OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **16305** Structure No.: 60N3240E0630005 Local ID:180 3

Suff. Rating: 96.8 ND

Health Index : 97.7

IDENTIFICATION

Description:
2-10'X10'X34' RCB, SK45RF

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3240 - 0
6. Feature Intersected: HUNT CREEK
7. Facility Carried: COYLE RD (N3240) _N 3240
9. Location: COYLE RD & 19TH ST .5S
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 32.53
17. Longitude: 097 13 47.34
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/13/2015	7/13/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Culvert
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 2
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 2 Integral Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: N N/A (NBI)
59. Super.: N N/A (NBI)
60. Sub.: N N/A (NBI)
62. Culvert: 7 Minor Deteriorati
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

R.C.B. 10 ft. clear height.

AGE AND SERVICE

27. Year Built: 1965
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.3 mi
29. ADT: 629
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T

64. Operating Rating (H / HS / 3-3):	27.0	49.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	19.9	36.0	-1.1

65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/29/1991

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 23.0 ft
Deck Area: 1,076.4 sq. ft
33. Median: 0 No median
34. Skew: 45
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 32.0 ft
48. Length Maximum Span: 10.0 ft
49. Structure Length: 30.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 0.0 ft
52. Width Out to Out: 0.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $100,000
75. Type of Work: 33 Widen w/o Deck R
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $225,000
114. Future ADT: 1006
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: N Not applicable (NBI)
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 96
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 02
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 -1 -1
10 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: 31.9
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **16305** Structure No.: 60N3240E0630005 Local ID:180 3

Suff. Rating: 96.8 ND

Health Index : 97.7

Inspection Date:	7/13/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Mark corners. Place small/medium riprap at degrading east apron * Needs rail and markers * FX- Monor debris on west end of south barrel

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
241	1	Reinforced Concrete Culvert	(LF)	102	95	93 %	7	7 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
241	5 or 6 minor vertical cracks in each outer wall.
961	PX - Place small/medium riprap at degrading east apron .

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 180

Picture 3 – Top RCB

Picture 4 – Degrading East Apron

Picture 5 – Small Drift West Side

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **16211** Structure No.: 60N3240E0660002 Local ID:182 3

Suff. Rating: 96.9 ND

Health Index : 97.0

IDENTIFICATION

Description:
2-10'X10'X30' RCB

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3240 - 0
6. Feature Intersected: CREEK
7. Facility Carried: COYLE RD (N3240) _
9. Location: COYLE RD & 56TH ST .2S
11. Mile Post: 5.849 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 14.25
17. Longitude: 097 13 44.16
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/13/2015	7/13/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Culvert
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 2
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 2 Integral Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: N N/A (NBI)
59. Super.: N N/A (NBI)
60. Sub.: N N/A (NBI)
62. Culvert: 7 Minor Deteriorati
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

R.C.B. 10 ft. clear height.

AGE AND SERVICE

27. Year Built: 1965
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 475
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T

64. Operating Rating (H / HS / 3-3):	27.0	49.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	19.9	36.0	-1.1

65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 12/20/1989

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 678.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 30.5 ft
48. Length Maximum Span: 10.0 ft
49. Structure Length: 21.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 0.0 ft
52. Width Out to Out: 0.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $100,000
75. Type of Work: 33 Widen w/o Deck R
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 89.4 ft
96. Total Cost: $225,000
114. Future ADT: 760
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: N Not applicable (NBI)
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 93
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 3
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: 5
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 -1 -1
10 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: 30.3
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **16211** Structure No.: 60N3240E0660002 Local ID:182 3

Suff. Rating: 96.9 ND

Health Index : 97.0

Inspection Date:	7/13/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* 3 ft. silt in north barrel *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
241	1	Reinforced Concrete Culvert	(LF)	65	59	91 %	6	9 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
241	FX-Minor vertical cracks w/leaching in outer walls (3 in south & 1 in north). Minor crack w/staining in top of barrel #2. Solid for age. * Place small/medium rip rap in band 5' wide along west apron.
961	FX- Flowline degredation is at both apron edges
965	FX-Three feet of silt in North Barrell - Needs removal at east end

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 182

Picture 3 – Degrading West Apron

Picture 4 -- Degrading East Apron

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10626** Structure No.: 60N3240E0710004 Local ID:184 3

Suff. Rating: 78.7 ND

Health Index : 86.7

IDENTIFICATION

Description: 3-10'X12'X38' RCB

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3240 - 0
6. Feature Intersected: CREEK
7. Facility Carried: COYLE RD (N3240) COYLE RD
9. Location: COYLE RD & 116TH ST .4S
11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 43.69
17. Longitude: 097 13 47.59
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	12	7/24/2015	7/24/2016
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Unknown (NBI)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Culvert
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: N N/A (NBI)
59. Super.: N N/A (NBI)
60. Sub.: N N/A (NBI)
62. Culvert: 5 Moderate Damag
61. Channel/Channel Protection: 4 Protection Underminec

Flowline Notes:

RCB, 12 ft. clear height.

Profile,= W.end of Bbls., S to N. FL, 3.6 below Apron.

AGE AND SERVICE

27. Year Built: 1947
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 3.6 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T

64. Operating Rating (H / HS / 3-3):	27.0	48.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	20.0	36.0	-1.1

65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 3 10.0-19.9%below
Date Rated : 6/9/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 23.0 ft
Deck Area: 1,280.9 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 38.0 ft
48. Length Maximum Span: 10.0 ft
49. Structure Length: 32.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 0.0 ft
52. Width Out to Out: 0.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $100,000
75. Type of Work: 33 Widen w/o Deck R
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 112.0 ft
96. Total Cost: $225,000
114. Future ADT: 160
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 9 Above Desirable Crit
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 88
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 3
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 -1 -1
10 -1 -1
10 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: 37.9
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10626** Structure No.: 60N3240E0710004 Local ID:184 3

Suff. Rating: 78.7 ND

Health Index : 86.7

Inspection Date:	7/24/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* FX - Remove drift upstream side of box. * FX - Needs delineators or railing *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
241	1	Reinforced Concrete Culvert	(LF)	120	90	75 %	12	10 %	18	15 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
241	PX - Some minor to Mod. vertical cracks in south outer wall and near NE NW and SW corners. Some cracks with efflorescence in top of each barrel. - Culvert repaired per plan of action.
961	Scour repaired west end - 7/24/15- No east end scour
965	PX - Upstream to 3 ft. height-Remove. Moderate Drift
970	PX - SW wing failed

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	1.0	3.0	11.0	22.0	30.0	33.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		14.0	17.2	17.4	16.5	17.6	14.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Flowline	Flowline	Flowline	Flowline	Flowline	_	_	_	_	_	_	_	_	_	_

Picture 1 – East End

Picture 2 – West End

Circle # 184

Picture 3–West End Conc. Around Galv. Steel

Picture 4 – Southwest Wing

Circle # 184

Picture 5 – Sideview Looking East

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00837** Structure No.: 60N3250E0670001 Local ID:185 3 Suff. Rating: 60.3 ND Health Index : 67.0

IDENTIFICATION

Description:
30' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3250 - 0
6. Feature Intersected: WILDHORSE CREEK
7. Facility Carried: HACKELMAN(N3250) _N 3250
9. Location: HACKELMAN & 68TH ST .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 33.77 17. Longitude: 097 12 41.93
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/23/2015	7/23/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
FL, 14.0' , 12-09 * 7/15/11 FL 14.7 TOD 8' N of SE COR * 07/23/2013 FL 14.8 TOD 9' N OF SE COR * 7/23/2015- FL 14.7 TOD 10' N OF SE COR

AGE AND SERVICE

27. Year Built: 1990 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 16.0 27.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 10.0 16.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 1 30.0-39.9%below Date Rated : 6/9/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 791.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.7 ft
48. Length Maximum Span: 29.0 ft 49. Structure Length: 30.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.7 ft 52. Width Out to Out: 26.3 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000 76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000 114. Future ADT: 80
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 151515
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 34.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 15.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 6/9/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00837** Structure No.: 60N3250E0670001 Local ID:185 3

Suff. Rating: 60.3 ND

Health Index : 67.0

Inspection Date:	7/23/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* PX-Move creek flowline to mid-span from SE corner *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	773	0	0 %	773	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	200	0	0 %	200	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	20	0	0 %	20	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	773	773	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	100	0	0 %	90	90 %	10	10 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	66	0	0 %	66	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Scrapes on deck, from farming machinery.
107	FX-Moderate rust on all.
202	FX-Heavy surface rust w/scaling. 8 steel piles at wings.
219	FX - Some light exfoliation and pitting on south abutment (steel plates). Heavy surface rust on north. PX-Fill and protect from more N abutment erosion & SE corner scour.
231	FX-Heavy surface rust overall. Some scaling started.
330	FX-Minor damage between post #3 & #4 on the east side. FX- Limbs block view of rails
510	FX- Dirt/ gravel overlay along rails retards deck drainage
865	FX-Moderate to heavy surface rust overall.
890	FX- Stay in place forms. Beginning to rust
919	FX- Coating failing

Picture 1 – Roadway Looking South

Picture 2 – South Weight Limit Sign

Circle # 185

Picture 3 – Sideview Looking East

Picture 4 – North Abutment

Picture 5 – South Abutment

Picture 6 – Girders

Picture 7 – North Weight Limit Sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02980** Structure No.: 60N3270E0620003 Local ID:186 3 Suff. Rating: 21.0 SD Health Index : 0.0

IDENTIFICATION

Description:
13'-20'-17' I-BEAM SPANS, TEMP PIPES
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3270 - 0
6. Feature Intersected: HARRINGTON CREEK
7. Facility Carried: REDLAND RD (N3270 _N 3270
9. Location: REDLAND RD & 6TH ST .3S 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 06 43.00 17. Longitude: 097 10 35.00
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/16/2013	7/16/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way 103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 2 Critical 59. Super.: 3 Serious 60. Sub.: 2 Critical
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Two 6 ft. CGM pipes.

AGE AND SERVICE

27. Year Built: 1930 106. Year Reconstructed: Unknown
28A. Lanes on: 1 28B. Lanes Under: 0 19. Detour Length: 0.3 mi
29. ADT: 24 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads Date Rated : 7/2/2002

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 16.0 ft
Deck Area: 710.4 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 14.2 ft
48. Length Maximum Span: 20.0 ft 49. Structure Length: 50.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 14.2 ft 52. Width Out to Out: 14.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 327.8 ft
56. Minimum Lateral Undrclearance L: 327.8 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $110,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $61,000 76. Lgth. of Improvment: 141.3 ft
96. Total Cost: $225,000 114. Future ADT: 38
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Timber Piling
209. Type of Pier / Found.: Bent No
Timber Piling
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02980** Structure No.: 60N3270E0620003 Local ID:186 3

Suff. Rating: 21.0 SD

Health Index : 0.0

Inspection Date:	7/16/2013	Reported By:	UFD2017
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* 2 Temporary 6 ft x 36 ft CGMPs * Installed 1999 or 2000.

FX - CORNERS ARE NOT MARKED

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	710	0	0 %	0	0 %	0	0 %	710	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	0	0	0 %	0	0 %	0	0 %	0	0 %	0	0 %
111	1	Timber Open Girder/Beam	(LF)	100	0	0 %	0	0 %	0	0 %	100	100 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	17	0	0 %	0	0 %	0	0 %	17	100 %	0	0 %
216	1	Timber Abutment	(LF)	28	0	0 %	0	0 %	0	0 %	28	100 %	0	0 %
235	1	Timber Cap	(LF)	56	0	0 %	0	0 %	0	0 %	56	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	Temporary Str. 2- 6 ft. X 36 ft. long CGMP's in Place. -- Installed 1999, or 2000.
107	< none >
111	< none >
206	< none >
216	< none >
235	< none >

Picture 1 – Roadway looking north

Picture 2 – East end

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30912** Structure No.: 60N3270E0680008 Local ID:187 3

Suff. Rating: 97.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
70' I BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3270 - 0
6. Feature Intersected: WILD HORSE CREEK
7. Facility Carried: N3270 (REDLAND RD N3270
9. Location: REDLAND RD & 80TH ST .8S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 59.79
17. Longitude: 097 10 32.67
98. Border Br. Code: Unknown (P) % Resp. : Unkn
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/20/2015	7/20/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

7/2013 15.5 tod 45' n of se cor *

AGE AND SERVICE

27. Year Built: 2013
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	53.0	69.0	0.0
66. Inventory Rating (H / HS / 3-3) :	31.0	41.0	0.0

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 7/20/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 1,736. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.2 ft
48. Length Maximum Span: 68.0 ft
49. Structure Length: 70.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 24.2 ft
52. Width Out to Out: 24.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 160
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: Not Applicable (P)
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 8 Equal Desirable Crit
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 92
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Pedestal
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30912** Structure No.: 60N3270E0680008 Local ID:187 3

Suff. Rating: 97.0 ND

Health Index : 100.0

Inspection Date:	7/20/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

< none >

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,736	868	50 %	868	50 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	420	420	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	14	14	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	25	25	100 %	0	0 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	25	25	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	50	50	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	140	140	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	4,850	4,850	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	70	100 %	0	0 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	919	919	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	154	154	100 %	0	0 %	0	0 %	0	0 %	0	0 %
958	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Small cracks on deck
107	< none >
202	< none >
215	< none >
219	< none >
231	< none >
330	< none >
515	< none >
865	< none >
890	< none >
918	
919	< none >
958	Small deck cracking - Not leaking

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking West

Circle # 187

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Girders

Picture 6 – Base North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27033** Structure No.: 60N3280E0600006 Local ID:188 3

Suff. Rating: 96.8 ND

Health Index : 69.3

IDENTIFICATION

Description:
40' I BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3280 - 0
6. Feature Intersected: N. STILLWATER CREEK
7. Facility Carried: COTTONWD (N3280) _
9. Location: COTTONWD & LVIEW RD .6S
11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 08 06.16
17. Longitude: 097 09 30.51
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/2/2015	7/2/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 7 Good
60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline top of deck - 14.0' - 2/10/2006 -- FL, 14.0', 1209. * 7/5/11 FL 15.5 TOD 22' N of SW COR * 007/22/2013 FL 15.6 TOD 23' N OF SW COR * 7/2/15- FL 15.8 TOD 24' N OF SE COR

AGE AND SERVICE

27. Year Built: 2001
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 42.0 59.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 35.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/12/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,037.5 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 39.0 ft
49. Structure Length: 39.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $206,662
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $113,664
76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $328,334
114. Future ADT: 160
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 91
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 50.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Up
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27033** Structure No.: 60N3280E0600006 Local ID:188 3

Suff. Rating: 96.8 ND

Health Index : 69.3

Inspection Date:	7/2/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Concrete Deck controls raiting * FX-Brush hides rails on west side

< none >

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,013	1,013	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	210	0	0 %	210	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	14	0	0 %	14	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	52	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,980	0	0 %	0	0 %	1,980	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	683	683	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	88	0	0 %	88	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No notable problems.
107	FX-Rust in patches with no section loss.
202	FX-Surface rust only.
219	Looks good. FX-Banks below both abutments have no protection from erosion or potential scour
231	FX-Surface rust.
330	Post too far apart.
515	Paint failing
865	FX-Rust with light scaling on top and bottom flanges. Minor
890	Metal stay in place forms.
918	
919	Fading
963	FX-Section loss on ends. Less than 5%

Picture 1 – Roadway Looking South

Picture 2 – South Abutment

Circle # 188

Picture 3 – North Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09783** Structure No.: 60N3280E0610002 Local ID:189 3

Suff. Rating: 44.4 FO

Health Index : 60.7

IDENTIFICATION

Description:
52' RIVETED PONY TRUSS SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 6028C - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: N3280 COTTONWOOD RD.
9. Location: COTTONWD & MCELROY .2S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 37.24
17. Longitude: 097 09 30.38
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	5/16/2011	5/16/2013
FC Freq.:	Y	Y	24	**5/16/2011**	**5/16/2013**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Truss-Thru
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 5 Bank Prot Eroded

Flowline Notes:

Flowline to top of deck - 19.5' - 02/10/2006 *2/25/09 - Channel bank steep and slumping. Water 1'deep. See channel profile. * 5/16/2011 - FL TO TOD = 19.6 ' .*

AGE AND SERVICE

27. Year Built: 1941
106. Year Reconstructed: -4
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 137
30. Year of ADT: 2010
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: P Posted for load
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 19.9 32.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 11.0 19.9 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 3 10.0-19.9%below
Date Rated : 4/6/2001

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 974.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.7 ft
48. Length Maximum Span: 51.8 ft
49. Structure Length: 54.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft
52. Width Out to Out: 18.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $170,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $94,000
76. Lgth. of Improvment: 82.3 ft
96. Total Cost: $281,000
114. Future ADT: 219
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2030

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 75
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 202020
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
52 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : Pony
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09783** Structure No.: 60N3280E0610002 Local ID:189 3

Suff. Rating: 44.4 FO

Health Index : 60.7

Inspection Date:	5/16/2011	Reported By:	GWILSON
Invoice No.:	D2011	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

Other Special inspection only (exclusive of fracture critical or elemental inspections) was performed on 01/19/11. Neither structural defects nor ADT were found to warrant 12-month inspection, so Other Special inspections have been removed from schedule. 2/16/12, County sent photos verifying correct load posting.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,012	911	90 %	101	10 %	0	0 %	0	0 %	0	0 %
113	1	Steel Stringer/Floorbeam	(LF)	308	0	0 %	0	0 %	308	100 %	0	0 %	0	0 %
120	1	Steel Truss (Pony)	(LF)	108	0	0 %	102	93 %	7	7 %	0	0 %	0	0 %
152	1	Steel Floor Beam	(LF)	126	0	0 %	126	100 %	0	0 %	0	0 %	0	0 %
162	1	Steel Gusset Plate	(EA)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	10	100 %	0	0 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	43	0	0 %	43	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	43	0	0 %	43	100 %	0	0 %	0	0 %	0	0 %
313	1	Fixed Bearing	(EA)	4	0	0 %	4	100 %	0	0 %	0	0 %	0	0 %
362	1	Superstructure Traffic Impact	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,012	1,012	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	33	0	0 %	33	100 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
777	1	Steel Stringer End (5 Ft.)	(LF)	70	0	0 %	0	0 %	70	100 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(EA)	10	0	0 %	10	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	
113	Some splices in each stringer not completely welded. Rust spots and light scaling.
120	Rust and scaling. Dirt and debris caught on lower chord
152	Moderate surface rust on most areas. May be some light pitting on end floor beams.
162	Surface rust throughout.
202	Light rust.
216	Some decay present.
231	Heavy surface rust all areas.
313	Covered with dirt and debris.
362	Damage to NW batter post.
363	NE ENDPOST WITH HEAVY SECTION LOSS.
510	
515	Rust and scaling. Dirt and debris caught on lower chord
659	Stay-in-place forms are rusty in some areas.
777	Some splices in each stringer not completely welded and some rust starting.
918	Light rust.
970	Timber wings. NE wing has rotten timbers at top.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	0	18.0	37.0	52.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		17.0	19.6	18.0	9.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Abutment	_	_	_	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04254** Structure No.: 60N3280E0630003 Local ID:190 3 SD

Suff. Rating: 18.4

Health Index : 23.6

IDENTIFICATION

Description:
23' I-BEAM SPAN, (8' TEMP PIPE)

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3280 - 0
6. Feature Intersected: CREEK
7. Facility Carried: COTTONWD (N3280) _N 3280
9. Location: COTTONWD RD &19TH .3S
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 49.47
17. Longitude: 097 09 29.69
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/22/2013	7/22/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way
103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 2 Critical
59. Super.: 3 Serious
60. Sub.: 2 Critical
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

Temporary Pipe. 42 IN. STEEL PIPE, SHORT.

AGE AND SERVICE

27. Year Built: 1935
106. Year Reconstructed: Unknown
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 8.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 5/4/2000

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 333.7 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 14.3 ft
48. Length Maximum Span: 22.0 ft
49. Structure Length: 23.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 14.3 ft
52. Width Out to Out: 14.3 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $80,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $40,000
76. Lgth. of Improvment: 93.7 ft
96. Total Cost: $225,000
114. Future ADT: 80
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 85
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Not Applicable
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Dirt

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
23 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 5/4/2000
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04254** Structure No.: 60N3280E0630003 Local ID:190 3

Suff. Rating: 18.4 SD

Health Index : 23.6

Inspection Date:	7/22/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Temporary 46 inch diameter steel tank pipe * INSTALLED 2001-02. -- PIPE IS SHORT. *

Temporary pipe. FX-Tall grass hides corner markers. FX- Corners are not marked

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	329	0	0 %	0	0 %	0	0 %	329	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	230	0	0 %	0	0 %	0	0 %	230	100 %	0	0 %
217	1	Masonry Abutment	(LF)	32	0	0 %	0	0 %	0	0 %	32	100 %	0	0 %
243	1	Other Culvert	(LF)	34	34	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	46	0	0 %	0	0 %	46	100 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	329	329	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	14	0	0 %	0	0 %	0	0 %	14	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	NOTE - TEMPORARY STRUCTURE, 42 IN STEEL PIPE INSTALLED 2001-02. -- PIPE IS SHORT.
107	< none >
217	< none >
243	< none >
330	< none >
510	NOTE - TEMPORARY STRUCTURE, 42 IN STEEL PIPE INSTALLED 2001-02. -- PIPE IS SHORT.
919	< none >

Picture 1 – Roadway looking north

Picture 2 – Side view looking east

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22168** Structure No.: 60N3280E0690001 Local ID:191 3 Suff. Rating: 85.0 ND Health Index : 55.9

IDENTIFICATION

Description:
35' I-BM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3280 - 0
6. Feature Intersected: WILD HORSE CREEK
7. Facility Carried: COTTONWD (N3280) _
9. Location: COTTONWD RD & 92ND .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 47.54 17. Longitude: 097 09 28.35
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/20/2015	7/20/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
Flowline top of deck = 19.0' 02/06/2009 - FL, 19.0, 11-09. * 7/13/11 FL 19.1 TOD 2.0' N of SE COR * 7/20/15- FL 19.2 TOD 3' N OF SE COR

AGE AND SERVICE

27. Year Built: 1989 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 49.0 71.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 43.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/12/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 898.7 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.3 ft
48. Length Maximum Span: 35.1 ft 49. Structure Length: 36.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 24.3 ft 52. Width Out to Out: 24.9 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $185,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $102,000 76. Lgth. of Improvment: 119.1 ft
96. Total Cost: $294,000 114. Future ADT: 80
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 89
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 8901
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 42.0 / -1
244. Span Lengths :
36 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22168** Structure No.: 60N3280E0690001 Local ID:191 3

Suff. Rating: 85.0 ND

Health Index : 55.9

Inspection Date:	7/20/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Deck Controls Rating * FX- Clear brush from approaches *

* PX- Bottom of north backwall exposed approximately 1 ft for 16 ft & needs protection ASAP (photo) * Structure overtopped often * Moderate bank erosion & slumping all areas * Bank eroding down stream

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	877	877	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	208	0	0 %	208	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	14	0	0 %	0	0 %	14	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	50	0	0 %	25	50 %	25	50 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	50	0	0 %	50	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	72	0	0 %	72	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,138	0	0 %	2,138	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	79	0	0 %	79	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	2	0	0 %	0	0 %	1	50 %	1	50 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Notable Problems.
107	FX - Light rust.
202	PX - Rusty. 5 pile at wings. North pile pitted at ground line
219	PX - NNP Heavy rust base north abutment
231	FX - Rusty
330	FX - Surface defects
515	FX - Light rust.
865	FX - Moderate surface rust on flanges.
890	FX - Beginning to rust
919	Thin coating
963	FX - Exfoliation Section loss. Base north pile at abut.
965	FX- Two mattresses, two lawn chairs, and other trash were dumped into east side creek bed
968	Erosion beginning under north abutment (photo)
970	PX - NW wing braces broken loose & wing is leaning in badly. Needs repair ASAP. SE wing missing.

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking West

Circle # 191

Picture 3 – North Abutment

Picture 4 – South Abutment

Circle # 191

Picture 5 – Girders

Picture 6 – Base North Abutment

Picture 7 – Household Trash in Creek

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23516** Structure No.: 60N3280E0710008 Local ID:192 3

Suff. Rating: 86.0 ND

Health Index : 68.4

IDENTIFICATION

Description:
30' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3280 - 0
6. Feature Intersected: CREEK
7. Facility Carried: COTTONWD (N3280) _
9. Location: COTTONWD & 116TH .8S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 27.43
17. Longitude: 097 09 28.70
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/20/2015	7/20/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 6 Satisfactory
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

02/07/2006 - Flowline to deck top = 14.0' - FL, 14.0, 11-09 * 7/15/11 , 7.10.13 FL 14.7 TOD 5' N of SE COR * 7/20/15- FL 14.9 TOD 1' N OF SE COR

AGE AND SERVICE

27. Year Built: 1993
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: A Open, no restriction

63. Op. Rating Method: 2 AS Allow. Stress-To		Alt. Op. Rating Meth.: 2 AS Allow. Stress-T	
64. Operating Rating (H / HS / 3-3):	46.0	73.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	28.0	44.0	-1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To		Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To	

70. Posting: 5 At/Above Legal Loads
Date Rated : 8/12/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.0 ft
Deck Area: 780. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 30.0 ft
49. Structure Length: 30.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000
76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000
114. Future ADT: 80
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 7 Countermeasures

200c. Temperature: 84
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9301
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 44.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/12/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23516** Structure No.: 60N3280E0710008 Local ID:192 3

Suff. Rating: 86.0 ND

Health Index : 68.4

Inspection Date:	7/20/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Deck Controls Rating *

* PX- Tree limbs need cut back *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	762	686	90 %	76	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	240	0	0 %	240	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	300	300	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	66	66	100 %	0	0 %	0	0 %	0	0 %	0	0 %
958	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Soil & gravel @ edges. * FX- Tall grass hides deck corners and rails
107	FX - Mod to Hvy. surf. rust. Minor pitting beginning
202	FX - Rust with some minor scaling. 8 pile at wings
219	FX - Exfoliation noted on steel abutment.
231	FX - Heavy surface rust only.
330	< none >
510	FX- Light gravel overlay lies on outside 5' of deck
865	FX - Mod to hvy. surf. rust.
890	Beginning to rust
919	
958	2 minor transverse cracks.
963	FX - Exfoliation noted on steel abutment. Minor loss base pile at ground line
965	Channel filled with rocks causing water to run base south abutment

Picture 1 – Roadway Looking South

Picture 2 – South Abutment

Circle # 192

Picture 3 – North Abutment

Picture 4 – Girders

Picture 5 – Sideview Looking East

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **12299** Structure No.: 60N3290E0610000 Local ID:195 3 Suff. Rating: 32.9 SD Health Index : 33.4

IDENTIFICATION

Description:
71' PONY TRUSS SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3290 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: RANGE RD. RANGE RD
9. Location: RANGE& MCELROY INTERS 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 49.29 17. Longitude: 097 08 25.94
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	4/7/2011	4/7/2013
FC Freq.:	Y	Y	24	**4/7/2011**	**4/7/2013**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Truss-Thru
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 4 Poor 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:

1/19/01 - Flowline to deck top = 20.0' * 12/12/2006- Flowline to deck top = 20.0' fair profile * 3/25/03 - Flowline to deck top = 20.4' * 3/31/04 - Flowline to deck top = 20.3' 2/19/09 - See channel profile. Water 1' deep. * 4/7/2011 - FL TO TOD = 19.7' .*

AGE AND SERVICE

27. Year Built: 1950 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 100 30. Year of ADT: 2010 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: P Posted for load
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 6.0 8.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 3.0 4.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 0 >39.9% below Date Rated : 4/24/2001

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,420.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.4 ft
48. Length Maximum Span: 70.0 ft 49. Structure Length: 71.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 19.4 ft 52. Width Out to Out: 20.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $265,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $146,000 76. Lgth. of Improvment: 170.3 ft
96. Total Cost: $422,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2030

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 3 Intolerable - Correct
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 65
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 050505
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 06
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
71 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : Pony
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **12299** Structure No.: 60N3290E0610000 Local ID:195 3

Suff. Rating: 32.9 SD

Health Index : 33.4

Inspection Date:	4/7/2011	Reported By:	GWILSON
Invoice No.:	D2011	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

Other Special inspection only (exclusive of fracture critical or elemental inspections) was performed on 01/19/11. Neither structural defects nor ADT were found to warrant 12-month inspection, so Other Special inspections have been removed from schedule.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	1,420	0	0 %	1,420	100 %	0	0 %	0	0 %	0	0 %
113	1	Steel Stringer/Floorbeam	(LF)	781	0	0 %	0	0 %	781	100 %	0	0 %	0	0 %
120	1	Steel Truss (Pony)	(LF)	142	0	0 %	0	0 %	142	100 %	0	0 %	0	0 %
152	1	Steel Floor Beam	(LF)	66	0	0 %	66	100 %	0	0 %	0	0 %	0	0 %
162	1	Steel Gusset Plate	(EA)	40	0	0 %	40	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	0	0 %	10	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	44	0	0 %	0	0 %	22	50 %	22	50 %	0	0 %
231	1	Steel Pier Cap	(LF)	44	0	0 %	0	0 %	44	100 %	0	0 %	0	0 %
313	1	Fixed Bearing	(EA)	4	0	0 %	4	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	142	0	0 %	142	100 %	0	0 %	0	0 %	0	0 %
362	1	Superstructure Traffic Impact	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	43	0	0 %	43	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	43	0	0 %	43	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	2	0	0 %	0	0 %	2	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX - Some wear. N. End has one broken board.
113	Surface rust. Minor pitting on ends.
120	Welds at several locations. Dirt and debris with some pitting and rust throughout.
152	Heavy surface rust overall. Minor pitting on top flanges. Most of paint is gone.
162	Surface rust throughout, with some minor pitting. Outer gusset on L2, west truss, is missing rivets.
202	Light-to-moderate pitting overall.
216	PX - Heavy decay on SW corner with some fill spilling through. Top plank decayed over entire length for both abutments. E. Abutment has holes at the bottom with loss of fill.
231	FX - Heavy surface rust with some piting and some minor loss of section.
313	Bearings are welded to steel cap.
330	PX - All four corners are damaged. Damage to north rail near midspan.
362	PX - L2-U2 on east truss badly twisted, also U3 - L3 on north side damaged (see photos). No cracks or broken fasteners. Some others with minor damage. Steel railing and all four corners have vehicle damage.
363	90% condition ok.
515	PX - Vehicle damage to south vertical U2/L2 and U3/L3 on north side (see photos). Some moderate pitting at lower end posts and bottom of some verticals. Heavy surface rust overall. Paint is peeling off.
919	PX - All four corners are damaged. Damage to north rail near midspan.
968	FX - EROSION AT BOTH ABUTMENTS - HEAVIER AT SOUTH ABUTMENT.
970	Buried under dumped rubble on SE and NW. SW hard to identify due to heavy vegetation.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	0	12.0	30.0	36.0	49.0	71.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		4.0	5.0	18.0	19.7	18.0	8.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	_	_	Abutment	_	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25551** Structure No.: 60N3290E0690006 Local ID:196 3

Suff. Rating: 95.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
100' PC BEAM SPAN X 25.6' CLY RDWY

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3290 - 0
6. Feature Intersected: WILD HORSE CREEK
7. Facility Carried: RANGE RD (N3290) _
9. Location: RANGE RD & 92ND ST .6S
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 19.79
17. Longitude: 097 08 25.66
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/22/2015	7/22/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

Flowline to top of deck = 24.0' 02/02/2006 * 7/13/11 , 7.9.13 FL 26.2 TOR 51' N of SE COR

AGE AND SERVICE

27. Year Built: 1999
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 70
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 98.0 100.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 58.0 72.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/15/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 27.9 ft
Deck Area: 2,722.8 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.6 ft
48. Length Maximum Span: 98.0 ft
49. Structure Length: 100.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.6 ft
52. Width Out to Out: 27.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $322,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $177,000
76. Lgth. of Improvment: 206.6 ft
96. Total Cost: $514,000
114. Future ADT: 112
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 79
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Concrete Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
100 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Concrete
246. Overlay Thickness : 0.5
246. Overlay Date : 8/15/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25551** Structure No.: 60N3290E0690006 Local ID:196 3

Suff. Rating: 95.0 ND

Health Index : 100.0

Inspection Date:	7/22/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Good Rip Rap

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,562	2,562	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	354	354	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	54	54	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	205	205	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	300	300	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Small amount of gravel on decks
109	< none >
215	< none >
310	No notable problems.
331	< none >
510	Gravel and dirt overlay along rails retards drainage of deck
819	< none >
859	< none >
916	No notable problems.

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking West

Circle # 196

Picture 3 – North Abutment

Picture 4 – South Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01055** Structure No.: 60N3300E0530009 Local ID:197

Suff. Rating: 24.0 ND

Health Index : 34.0

IDENTIFICATION

Description:
50' PONY TRUSS SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3300 - 0
6. Feature Intersected: LONG BRANCH CREEK
7. Facility Carried: COUNTRY CLUB LN. COUNTRY CLUB LN.
9. Location: CNTRY CLB LN&NOBLE .9S
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 13 58.13
17. Longitude: 097 07 25.53
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	12	7/6/2015	7/6/2016
FC Freq.:	Y	Y	12	**7/6/2015**	**7/6/2016**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	Y	12	**7/6/2015**	**7/6/2016**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 2 Br eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Truss-Thru
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 5 Bank Prot Eroded

Flowline Notes:

10-17-13 - FL to TOD = 17.4' * 1/31/01 - Flowline to deck top = 18.3' * 12/13/2006- Flowline = sats. channel profile * 3/25/03 - Flowline to deck top = 17.2'

AGE AND SERVICE

27. Year Built: 1910
106. Year Reconstructed: 2010
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 24
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 3.0 6.0 0.0
66. Inventory Rating (H / HS / 3-3) : 2.0 4.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below
Date Rated : 11/1/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 16.0 ft
Deck Area: 675. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 13.5 ft
48. Length Maximum Span: 50.0 ft
49. Structure Length: 50.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 13.5 ft
52. Width Out to Out: 13.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $132,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $72,000
76. Lgth. of Improvment: 169.0 ft
96. Total Cost: $225,000
114. Future ADT: 38
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: Not Applicable (P)
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 5 Above Tolerable
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 85
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Timber Piling
209. Type of Pier / Found.: 2 Piers No
No Piling or Drilled Shaft
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 030303
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : NO
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 1001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
11 -1 -1
50 -1 -1
8 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : Pony
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01055** Structure No.: 60N3300E0530009 Local ID:197

Suff. Rating: 24.0 ND

Health Index : 34.0

Inspection Date:	7/6/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

1-19-11: North approach span has been removed and filled in; only truss span remains.* * Truss open for traffic

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	675	573	85 %	102	15 %	0	0 %	0	0 %	0	0 %
113	1	Steel Stringer/Floorbeam	(LF)	272	0	0 %	0	0 %	272	100 %	0	0 %	0	0 %
120	1	Steel Truss (Pony)	(LF)	100	0	0 %	0	0 %	100	100 %	0	0 %	0	0 %
152	1	Steel Floor Beam	(LF)	32	0	0 %	0	0 %	32	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	30	0	0 %	30	100 %	0	0 %	0	0 %	0	0 %
313	1	Fixed Bearing	(EA)	4	0	0 %	2	50 %	2	50 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	100	0	0 %	83	83 %	17	17 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	11	0	0 %	0	0 %	0	0 %	11	100 %	0	0 %
863	1	Steel Pier Beam	(LF)	24	0	0 %	0	0 %	24	100 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	11	0	0 %	0	0 %	0	0 %	11	100 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	11	0	0 %	0	0 %	0	0 %	11	100 %	0	0 %
957	1	Pack Rust	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
962	1	Superstructure Traffic Impact	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	Areas of minor checking. New deck in 2011.
113	Welded splices with web plates welded only along the flanges.
120	Eyebars are loose/bowed due to substructure movement. Eyebars have slid on pins. 1/16" loss to eyebar head at down stream L0.
152	Pitting less than 1/16" typical.
202	Only 4 steel columns remain; some rust.
219	FX- Metal sheets have rotated toward channel at south abutment. Both abutments are now galvanized metal built against pier columns.
313	FX - Light to moderate loss to lower areas. Outer anchor bolts gone on SE & SW.Pack rust under bearings. 1-3/4" pack rust under southwest truss bearing causing misalignment of truss. Retrofits have been applied to carry load from end posts to columns.
330	Heavy rust overall. Bent rail on most ends.
515	Paint system has failed.
863	Minor pitting typical throughout.
918	Both abutments are now galvanized metal built against steel columns. Metal sheets have rotated toward channel at south abutment.
919	Heavy rust overall. Bent rail on most ends.
957	FX - Up to 1-3/4" expansion under bearing shoes. Some on lower eyebars connections with up to 1/4" of swelling. Outer anchor failed on SE & SW (inner ones still in place). Some swelling noted in top chord and at floor beam - vertical connections.
962	Very minor impact to the west L2U2, east L1U1 and east L2U2.
963	Up to 1/16" Loss to eyebars and other steel elements.

Picture 1 – Roadway Looking South

Circle # 197

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09410** Structure No.: 60N3300E0610005 Local ID:198 3

Suff. Rating: 67.9 FO

Health Index : 63.6

IDENTIFICATION

Description:
19', 59', 29' I-BEAM SPANS

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3300 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: CNTRY CLUB (N3300 COUNTRY CLUB LN.
9. Location: 4W .5N OF US177/SH51
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 25.18
17. Longitude: 097 07 22.79
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1940
106. Year Reconstructed: 1989
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 2500
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 2,827.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.6 ft
48. Length Maximum Span: 59.1 ft
49. Structure Length: 107.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.6 ft
52. Width Out to Out: 26.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/6/2015	7/6/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

CONDITION

58. Deck: 5 Fair
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

12/12/2006 - Flowline to deck top = 23.0' sats. channel profile * 8/4/03 - Flowline to deck top = 22.6' * 11/10/04 - Flowline to deck top = 22.3' FL, 22.5', 12-09. * 7/5/11 FL 24.2 TOD 62' N of SE COR * 07/22/2013 FL 24.3 TOD 63' N OF SE COR *

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: K Closed to all traffic
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below
Date Rated : 9/15/2003

PROPOSED IMPROVEMENTS

94. Bridge Cost: $331,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $182,000
76. Lgth. of Improvment: 212.8 ft
96. Total Cost: $529,000
114. Future ADT: 4000
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 0 Bridge Closed
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 90
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: Bent No
Steel Piling
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: CLOSED
b. Posted Speed Limit : 40
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 4001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 29.0 / -1
244. Span Lengths :
19 -1 -1
59 -1 -1
29 -1
245. Girder Depth : 10.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09410** Structure No.: 60N3300E0610005 Local ID:198 3

Suff. Rating: 67.9
FO

Health Index : 63.6

Inspection Date:	7/6/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	-1
		Agency :	

Structure / Inspection Notes

ROAD AND BRIDGE UNDER CONSTRUCTION

* Very low sufficiency rating. * Very heavy fast traffic * Minor erosion beginning on north bank *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,762	0	0 %	2,486	90 %	276	10 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	863	0	0 %	863	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	32	0	0 %	25	78 %	7	22 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	52	0	0 %	26	50 %	26	50 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	3	0	0 %	3	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	105	0	0 %	105	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	217	217	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	11	0	0 %	0	0 %	11	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	112	0	0 %	112	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
958	1	Concrete Cracking	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Some light wear visible. One small repaired area in north span. Transverse cracks. Rebar exposed in center deck. Seal south approach hole at deck.
107	FX-Light pitting and initial exfoliation on all of span #1 (south) girders. Moderate to heavy surface rust otherwise w/scaling on webs of spans #2 & #3 girders.
202	PX-Some pitting to on bent #1. Heavy surface rust w/scaling overall. 4 - pile at wings.
216	FX-South in good condition. North-the top plank decayed over entire length. (photo)
219	FX-Surface rust overall.
231	FX-Heavy surface rust w/scaling all areas.
330	Some light damage on west.
515	Light pitting and initial exfoliation on all of span #1 (south) girders. Moderate to heavy surface rust otherwise w/scaling on webs of spans #1 & #3 girders. Paint on outside only main span
865	FX-Light pitting and initial exfoliation on all of span #1 (south) girders. Moderate to heavy surface rust otherwise w/scaling on webs of spans #1 & #3 girders.
890	Stay in place forms rusting through in several areas
958	FX-Moderate transverse crack over each pier.
963	Section Loss, exfoliation, mentioned in Beams & Beam ends. Sec.loss not serious to any element.

Picture 1 – Road Closed

Circle # 198

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20638** Structure No.: 60N3300E0630003 Local ID:199 3

Suff. Rating: 96.9 ND

Health Index : 98.4

IDENTIFICATION

Description:
3-10'X 8'X29' RCB

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3300 - 0
6. Feature Intersected: CREEK
7. Facility Carried: CTRY CLB LN(N3300) _
9. Location: CTRY CLB LN & 19TH .3S
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 47.74
17. Longitude: 097 07 21.63
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/23/2015	7/23/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Culvert
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: N N/A (NBI)
59. Super.: N N/A (NBI)
60. Sub.: N N/A (NBI)
62. Culvert: 7 Minor Deteriorati
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

R.C.B. 8 ft. clear height.

AGE AND SERVICE

27. Year Built: 1984
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 356
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T

64. Operating Rating (H / HS / 3-3):	27.0	49.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	19.9	36.0	-1.1

65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 12/20/1989

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 979.5 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 28.6 ft
48. Length Maximum Span: 10.0 ft
49. Structure Length: 32.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 0.0 ft
52. Width Out to Out: 0.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $100,000
75. Type of Work: 33 Widen w/o Deck R
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 112.0 ft
96. Total Cost: $225,000
114. Future ADT: 570
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 89
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 01
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 -1 -1
10 -1 -1
10 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 2.0
246. Overlay Date : 12/20/1989
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: 28.6
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20638** Structure No.: 60N3300E0630003 Local ID:199 3

Suff. Rating: 96.9 ND

Health Index : 98.4

Inspection Date:	7/23/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Mark Corners *

* FX - 2 ft. silt in north bbl- Remove for better flow. * Minor degrading east end center barrel. Place small rip rap at both ends of floor *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
241	1	Reinforced Concrete Culvert	(LF)	92	87	95 %	5	5 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
241	FX- Minor deterioration.
961	PX - Minor degrading downstream east end center barrel. Place small riprap at both ends of floor.
965	FX - 3 ft silt in east of south barrel. 2 ft. silt in north bbl - minor. FX- Minor drift is at upstream west end of north and center barrel openings.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 199

Picture 3 – Degrading East End

Picture 4 – West End

Circle # 199

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22690** Structure No.: 60N3300E0670001 Local ID:201 3 Suff. Rating: 86.0 ND Health Index : 51.7

IDENTIFICATION

Description:
28' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3300 - 0
6. Feature Intersected: CREEK
7. Facility Carried: CTRY CLB LN (N3300 _
9. Location: CTRY CLB LN & 68TH .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 34.36 17. Longitude: 097 07 20.46
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/23/2015	7/23/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck. 9.6' - 02/07/2006 - FL, 9.6', 11-09. * 7/16/11 FL 10.0 TOD 1' N of SE COR

AGE AND SERVICE

27. Year Built: 1991 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 79 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 40.0 70.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 36.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/11/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 736.3 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.7 ft
48. Length Maximum Span: 27.0 ft 49. Structure Length: 28.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.7 ft 52. Width Out to Out: 26.3 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $162,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $89,000 76. Lgth. of Improvment: 103.9 ft
96. Total Cost: $256,000 114. Future ADT: 126
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 82
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9101
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 51.0 / -1
244. Span Lengths :
28 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 21.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 6/11/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22690** Structure No.: 60N3300E0670001 Local ID:201 3

Suff. Rating: 86.0 ND

Health Index : 51.7

Inspection Date:	7/23/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX - Minor exfoliation on Steel Abut. & Steel Piles.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	719	719	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	126	0	0 %	126	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	0	0 %	18	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	26	50 %	26	50 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	709	0	0 %	709	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,212	0	0 %	1,212	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	62	0	0 %	62	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- 1" gravel on deck. FX- Tall brush hides deck corners
107	FX - Heavy surface rust on top and bottom flanges.
202	PX - Light exfoliation to 4 on south end. Heavy surface rust overall. 8-pile at wings
219	FX - Light to moderate exfoliation on lower areas on south.
231	FX - Moderate surface rust overall.
330	Broke loose at NW cor
510	Loose gravel and dirt overlay along rails retards drainage of deck.
515	PX- Heavy surface rust on top and bottom flanges.
865	FX - Heavy surface rust on top and bottom flanges.
890	FX - Rusty
919	Coating failing
963	FX - Exfoliation mentioned on Steel Abutment & Steel Piles. Less than 10% minor pitting on girders.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 201

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28550** Structure No.: 60N3300E0700001 Local ID:203 3

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
105' PC BEAM X 26'-9" W, 30 SKEW LF W/ TR1 RAIL

1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3300 - 0
6. Feature Intersected: WILD HORSE CREEK
7. Facility Carried: CTRY CLB LN(N3300) COUNTRY CLUB RD.
9. Location: CTRY CLB LN & 104TH,0.1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 52.00 17. Longitude: 097 07 21.00
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/22/2015	7/22/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: 1 Epoxy Coated Reinforci

CONDITION

58. Deck: 7 Good 59. Super.: 8 Very Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:

1/9/2009 - FL = 25.3' East Side Top of Rail - FL, 26.0, 11-09. * 7/13/11 FL 26.0 TOR 52' N of SE COR * 7/23/15- FL 26.4 TOR 52' N OF SE COR

AGE AND SERVICE

27. Year Built: 2008 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 75 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 73.0 100.0 0.0
66. Inventory Rating (H / HS / 3-3) : 43.0 64.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 7/22/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 3,044.9 sq. ft 33. Median: 0 No median
34. Skew: 15 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.7 ft
48. Length Maximum Span: 105.0 ft 49. Structure Length: 105.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.7 ft 52. Width Out to Out: 29.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $396,036 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $198,018 76. Lgth. of Improvment: 115.5 ft
96. Total Cost: $633,657 114. Future ADT: 120
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 78
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28550** Structure No.: 60N3300E0700001 Local ID:203 3

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	7/22/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Good rip rap

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,803	2,803	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	380	380	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	60	60	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	210	210	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Notable Problems
109	No Notable Problems.
215	NNP
310	NNP
331	NNP
819	NNP
859	NNP
916	NNP

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking East

Circle # 203

Picture 3 – South Abutment

Picture 4 – North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22472** Structure No.: 60N3300E0730000 Local ID:204 3

Suff. Rating: 85.0 ND

Health Index : 67.0

IDENTIFICATION

Description:
35' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3300 - 0
6. Feature Intersected: WALNUT CREEK
7. Facility Carried: CNTRY CLB LN.(N33(_
9. Location: CTRY CLB LN&140TH INTRS
11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.79
17. Longitude: 097 07 22.20
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/24/2015	7/24/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

Flowline to top of deck - 15.3' - 03/07/2006 - FL, 15.3', 11-09. * 7/8/11 FL 15.5 TOD 17' N of SE COR

AGE AND SERVICE

27. Year Built: 1990
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 15.0 mi
29. ADT: 24
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	47.9	73.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	29.0	43.0	-1.1

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/16/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 828. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 23.5 ft
48. Length Maximum Span: 33.5 ft
49. Structure Length: 34.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 23.5 ft
52. Width Out to Out: 24.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $183,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $100,000
76. Lgth. of Improvment: 117.3 ft
96. Total Cost: $290,000
114. Future ADT: 38
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 81
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 47.0 / -1
244. Span Lengths :
35 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 26.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/16/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22472** Structure No.: 60N3300E0730000 Local ID:204 3

Suff. Rating: 85.0 ND

Health Index : 67.0

Inspection Date:	7/24/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* ADT is only 2-5. Dead end just north of bridge. * Steel Piles & Steel Abuts. behind old RCB walls. *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	810	0	0 %	810	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	175	0	0 %	175	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	10	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	405	405	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,819	0	0 %	0	0 %	1,819	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	77	0	0 %	0	0 %	77	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-No Visible Problems due to soffit
107	FX-Rust on top and bottom flanges.
202	FX-Surface rust.
215	FX-Minor vertical cracks w/leaching in old RCB walls. Steel Piles behind old RCB walls. FX- Both banks are unprotected from potential scour or erosion
219	FX-lite rust forming
231	FX-lite rust forming.
330	FX - One section each side w/heavy surface rust. Others with minor deterioration. No damage.
510	FX- Dirt overlay on half of deck retards deck drainage.
515	PX-Rust on top and bottom flanges. Poor condition
865	FX-Rust on top and bottom flanges. Paint failing
890	FX-Minor section loss
919	PX- Beginning to fail

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 204

Picture 3 – North Abutment

Picture 4 – South Abutment

Circle # 204

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **08244** Structure No.: 60N3310E0540000 Local ID:205 3 Suff. Rating: 84.0 ND Health Index : 97.6

IDENTIFICATION

Description:
39' CONC GIRDER SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3310 - 0
6. Feature Intersected: LONG BRANCH CREEK
7. Facility Carried: SANGRE RD (N3310) _N 3310
9. Location: SANGRE&LONE CHMNY INTRS 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 13 54.00 17. Longitude: 097 06 20.73
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/6/2015	7/6/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 6 Satisfactory 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
Flowline to top of deck - 15.5' - 02/15/2006 - FL, 15.5, 12-09. * 7/7/11 FL 20.3 TOR 6' N of SE COR * 7/6/15- FL 20.5 TOR 2' N OF SE COR

AGE AND SERVICE

27. Year Built: 1940 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 2 M 13.5 (H 15) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 27.0 49.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 19.9 36.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads Date Rated : 2/29/1996

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 838.5 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.0 ft
48. Length Maximum Span: 37.0 ft 49. Structure Length: 39.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft 52. Width Out to Out: 21.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $193,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $106,000 76. Lgth. of Improvment: 124.1 ft
96. Total Cost: $307,000 114. Future ADT: 80
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 84
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
39 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 2/28/1996
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **08244** Structure No.: 60N3310E0540000 Local ID:205 3

Suff. Rating: 84.0 ND

Health Index : 97.6

Inspection Date:	7/6/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* PX - needs all corner markers * FX-Brush hides part of rail ends *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	702	632	90 %	70	10 %	0	0 %	0	0 %	0	0 %
110	1	Reinforced Conc Open Girder/Beam	(LF)	195	190	97 %	5	3 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	78	67	86 %	2	3 %	9	12 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	238	0	0 %	238	100 %	0	0 %	0	0 %	0	0 %
818	1	Integral Abutment	(LF)	44	42	95 %	2	5 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - Soil and gravel in gutters. Heavy scaling and wear on bare areas. * 2" Gravel on edges of deck. * 7/6/15-1" gravel on deck
110	FX - 6 foot area of honeycomb on west girder. 10 inches of main rebar visible.
331	FX - Concrete post & rail. -- SE corner post cracked loose at bottom. 1st rail cracked. SW post has spalls & chipping.
510	Loose gravel
818	Minor scaling at bottom of south abutment
859	FX-No Notable Problems.
968	Erosion base south abutment and base SE wing - needs protection. Water up this date. (07/31/13) PX-move flow line from S. abutment to beneath midspan of girders and then protect from potential scour and erosion. (PHOTO)

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 205

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Base South Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22970** Structure No.: 60N3310E0590009 Local ID:206 3 Suff. Rating: 97.0 ND Health Index : 76.2

IDENTIFICATION

Description:
35' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3310 - 0
6. Feature Intersected: COW CREEK
7. Facility Carried: SANGRE RD (N6610) _N 3310
9. Location: SANGRE RD & AIRPORT .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 08 44.34 17. Longitude: 097 06 19.20
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/6/2015	7/6/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
Flowline to top of deck - 15.0' - 02/15/2006 -- FL, 15.0, 12-09 * 7/6/11 FL 15.8 TOD 10' N of SE COR

AGE AND SERVICE

27. Year Built: 1992 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 40.0 67.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 27.0 36.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/14/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 905.7 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 34.0 ft 49. Structure Length: 34.7 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.5 ft 52. Width Out to Out: 26.1 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $183,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $100,000 76. Lgth. of Improvment: 117.3 ft
96. Total Cost: $290,000 114. Future ADT: 160
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 89
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9201
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 43.0 / -1
244. Span Lengths :
35 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 6/14/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22970** Structure No.: 60N3310E0590009 Local ID:206 3

Suff. Rating: 97.0 ND

Health Index : 76.2

Inspection Date:	7/6/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Stay in place forms. * Large log in channel under bridge * FX - Bushes cover southeast rail end

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	884	796	90 %	88	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	200	0	0 %	200	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	52	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	70	60	86 %	10	14 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	884	0	0 %	884	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,925	0	0 %	0	0 %	1,925	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	77	77	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Minor distress.
107	FX - Heavy rust on all bottom flanges.
202	FX - Minor scaling at grade line. 8 pile at wings
219	Rusty
231	Rusty
330	FX - Some minor deterioration on east.
510	FX - Minor distress. Loose * FX- Gravel overlay along both rails retards deck drainage
515	FX - Heavy rust on all bottom flanges.
865	FX - Fair paint
890	Beginning to rust
919	

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 206

Picture 3 – South Abutment

Picture 4 – North Abutment

Circle # 206

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02688** Structure No.: 60N3310E0710008 Local ID:207 3

Suff. Rating: 23.5 SD

Health Index : 0.0

IDENTIFICATION

Description:
30' I-BEAM SPAN, (TEMP PIPES)

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3310 - 0
6. Feature Intersected: CREEK
7. Facility Carried: SANGRE RD (N3310) _
9. Location: SANGRE RD & 116TH ST .8S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 28.45
17. Longitude: 097 06 15.98
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/8/2013	7/8/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 2 Critical
59. Super.: 3 Serious
60. Sub.: 2 Critical
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 3 Bank Prot Failed

Flowline Notes:

Low Water Crossing, 3-20 in.? pipes, 2004

AGE AND SERVICE

27. Year Built: 1930
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 15.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T

64. Operating Rating (H / HS / 3-3):	0.0	0.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	0.0	0.0	-1.1

65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/1/1901

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 495.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 16.4 ft
48. Length Maximum Span: 26.9 ft
49. Structure Length: 29.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 16.4 ft
52. Width Out to Out: 16.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 327.8 ft
56. Minimum Lateral Undrclearance L: 327.8 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000
76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000
114. Future ADT: 160
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 2 Intolerable - Replace
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 88
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: -1
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Timber Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0 -1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02688** Structure No.: 60N3310E0710008 Local ID:207 3

Suff. Rating: 23.5
SD

Health Index :
0.0

Inspection Date:	7/8/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	-1
		Agency :	

Structure / Inspection Notes

* 3-20 in. Temporary pipes, low water crossing * FX-Corners are not marked *

GHINES inspection comments - * CX - slab is undermined at east end 4-5 ft * CX - south pipe is 100% plugged * Posted "Caution - Road Subject to Flooding" on north * Satisfactory gravel roadway * Structure overtopped easilly * Structure is on a dead-end road * Structure overtopped 6 ft recently *

Additional Elements

Picture 1 – Roadway looking south

Picture 2 – East end outflow

Picture 3 – West end inflow

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27400** Structure No.: 60N3320E0530004 Local ID:208 3

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
85' PC BEAM SPAN SK 60 DEG RF W/ 26'-9" CLR.RDY.

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3320 - 0
6. Feature Intersected: LONG BRANCH CREEK
7. Facility Carried: WESTERN RD (N3320 N3320
9. Location: WESTERN & NOBLE RD,.4S
11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 14 25.38
17. Longitude: 097 05 15.92
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/31/2013	7/6/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

FL 22.8 F/ TOP RAIL, 12-09 * 7/7/11 FL 22.9 TOR 43' N of SE COR * FL 23.0 TOR 43' N OF SE COR *

AGE AND SERVICE

27. Year Built: 2005
106. Year Reconstructed: -4
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 95.0 100.0 0.0
66. Inventory Rating (H / HS / 3-3) : 57.0 63.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/16/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 2,481.5 sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.7 ft
48. Length Maximum Span: 88.0 ft
49. Structure Length: 88.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.7 ft
52. Width Out to Out: 28.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $309,043
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $154,521
76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $494,468
114. Future ADT: 160
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 84
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
No Piling or Drilled Shaft
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Not Applicable
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/16/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27400** Structure No.: 60N3320E0530004 Local ID:208 3

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	7/6/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

All elements in very good condition. Channel in good condition, in middle of span.
Riprap on both abutment slopes and all 4 approach embankment ditches. No scour noted.
Good gravel road.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,354	2,354	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	302	302	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	65	65	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	244	244	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	880	880	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Bare concrete deck with tined surface finish. * FX- Minor gravel on each side
109	No Notable Problems.
215	Reinforced concrete abutments in very good condition.
310	No Notable Problems.
331	Reinforced concrete railing in very good condition. Minor cracking. * FX- Tall grass hides rail ends
510	Minor gravel overlay along both rails retards deck drainage
819	< none >
859	No problems noted.
916	No Notable Problems.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 208

Picture 3 – North Abutment

Picture 4 – South Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23525** Structure No.: 60N3320E0640002 Local ID:208A 3 Suff. Rating: 71.2 ND Health Index : 53.1

IDENTIFICATION

Description:
40' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3320 - 0
6. Feature Intersected: CREEK
7. Facility Carried: WESTERN RD.(N3320 _
9. Location: WESTERN RD & 32ND .2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 06.63 17. Longitude: 097 05 13.30
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/11/2015	7/11/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 13.0' - 03/06/2006. -- FL, 13.0', 12-09. * 7/16/11 FL 14.3 TOR at NE COR * 7/11/15- FL 14.8 TOD AT NE COR

AGE AND SERVICE

27. Year Built: 1985 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 1448 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 40.0 64.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 27.0 36.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/14/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 1,044.1 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 39.0 ft 49. Structure Length: 40.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.5 ft 52. Width Out to Out: 26.1 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $201,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $110,000 76. Lgth. of Improvment: 129.0 ft
96. Total Cost: $319,000 114. Future ADT: 2317
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 92
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 8501
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 43.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 30.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 4.0
246. Overlay Date : 6/14/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23525** Structure No.: 60N3320E0640002 Local ID:208A 3

Suff. Rating: 71.2 ND

Health Index : 53.1

Inspection Date:	7/11/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

PX- Channel bears against NE wing & runs along north abutment getting deeper with each inspection * Heavy fast traffic *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,020	918	90 %	102	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	240	0	0 %	240	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	21	0	0 %	0	0 %	21	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,020	1,020	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,376	0	0 %	0	0 %	0	0 %	2,376	100 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	43	54 %	37	46 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	780	0	0 %	780	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	4 in. Asphalt overlay. Asph rough
107	FX-Rust with minor pitting and light scaling. FX- Minor drift is caught on girders
202	PX-Scaling at grade line. 7 pile at wings
219	FX-Scaling at grade line. PX-Creek flow line along base of N abutment should be moved to lie beneath mid-span of girders.
231	FX-Rust.
330	FX-Metal Guard Rail is LOW on east side.
510	FX-4 in. Asphalt overlay. Fair condition.
515	Rust with minor pitting and light scaling. Paint failing
865	FX-Rust with minor pitting and light scaling.
890	Stay in place forms. Steal. Beginning to rust
918	Abutments and wings
963	Fx-Beam ends. Section Loss less than 5%.
968	PX- Erosion at base of north abutment east end has increased 1.8' since 2006. Channel flowline should be moved to midway between both abutments

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking East

Circle # 208A

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Base North Abutment

Picture 6 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **07422** Structure No.: 60N3330E0680002 Local ID:209 3

Suff. Rating: 29.4 SD

Health Index : 0.0

IDENTIFICATION

Description:
27' I-BEAM SPAN, TEMP PIPE

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3330 - 0
6. Feature Intersected: LOST CREEK
7. Facility Carried: WASHINGTON(N3330 _
9. Location: WASHINGTON&80TH .2S
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 33.78
17. Longitude: 097 04 07.74
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/8/2013	7/8/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way
103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory
59. Super.: 2 Critical
60. Sub.: 4 Poor
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

TEMPORARY PIPE, 8 FT., 2006.

AGE AND SERVICE

27. Year Built: 1940
106. Year Reconstructed: Unknown
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 75
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/29/1992

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 430.6 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 16.0 ft
48. Length Maximum Span: 23.5 ft
49. Structure Length: 27.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 16.0 ft
52. Width Out to Out: 16.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 327.8 ft
56. Minimum Lateral Undrclearance L: 327.8 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $159,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $87,000
76. Lgth. of Improvment: 101.9 ft
96. Total Cost: $251,000
114. Future ADT: 120
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 87
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : Y02
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 32.0 / -1
244. Span Lengths :
26 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **07422** Structure No.: 60N3330E0680002 Local ID:209 3

Suff. Rating: 29.4 SD

Health Index : 0.0

Inspection Date:	7/8/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

2/7/2006 - STRUCTURE REPLACED WITH STEEL TANK. Desired bus route * Good gravel roadway * Moderate chance of overtopping * Moderate channel erosion upstream * Satisfactory ditches * Channel clear * FX-Corners are not marked

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	432	0	0 %	0	0 %	0	0 %	432	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	189	0	0 %	0	0 %	0	0 %	189	100 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	0	0 %	0	0 %	10	100 %	0	0 %
216	1	Timber Abutment	(LF)	32	0	0 %	0	0 %	0	0 %	32	100 %	0	0 %
231	1	Steel Pier Cap	(LF)	32	0	0 %	0	0 %	0	0 %	32	100 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	Some wear on runners which are barely exposed. Lots of discoloration below. NOTE; REPLACED WITH 1- 8 FT. TEMPORARY PIPE. 2006
107	Heavy surface rust w/scaling overall. Some areas of pitting on bottom flanges. Minor exfoliation on top in some areas w/pitting on all top flanges. No serious loss.
202	Heavy surface rust overall.
216	< none >
231	Some exfoliation on north due to soil build-up. Heavy surface rust overall.
363	90% condition ok, could be 80%.

Picture 1 – Roadway looking north

Picture 2 – Side view looking west

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **11082** Structure No.: 60N3336E0630002 Local ID:209A 3 Suff. Rating: 96.7 ND Health Index : 99.3

IDENTIFICATION

Description:
2-(10.25',2-12.5',10.25') X 5' X 40' R.C.BOX WITH HANDRAILS

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 06413 - 0
6. Feature Intersected: STILLWATER CREEK O'FLOW
7. Facility Carried: MAIN ST (E0632) _
9. Location: E0632&WASHG&19TH.5E.2S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 50.56
17. Longitude: 097 03 30.16
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/11/2015	7/11/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Culvert
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 8
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: N N/A (NBI)
59. Super.: N N/A (NBI)
60. Sub.: N N/A (NBI)
62. Culvert: 6 Deterioration
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

R.C.B. 5 ft. clear height.

AGE AND SERVICE

27. Year Built: 1949
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 1.0 mi
29. ADT: 4500
30. Year of ADT: 2013
109. Truck ADT %: 7
42A. Type of Service on: 1 Highway
42B. Type of Service under: 9 Relief for waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 27.0 49.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 19.9 36.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/6/1998

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 32.2 ft
Deck Area: 4,122.6 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 39.7 ft
48. Length Maximum Span: 13.1 ft
49. Structure Length: 98.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 40.0 ft
52. Width Out to Out: 42.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $100,000
75. Type of Work: 33 Widen w/o Deck R
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 98.1 ft
96. Total Cost: $225,000
114. Future ADT: 7200
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 87
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 35
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 2
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current Bus Route
240. Appr. Roadway Type: Concrete

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 10 12
12 10 10
12 12
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/6/1998
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: 38.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **11082** Structure No.: 60N3336E0630002 Local ID:209A 3

Suff. Rating: 96.7 ND

Health Index : 99.3

Inspection Date:	7/11/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Structure is (2) = (10.25'-12.5'-12.5'-10.25') x 5' x 40' RCB's (8 barrels total) *

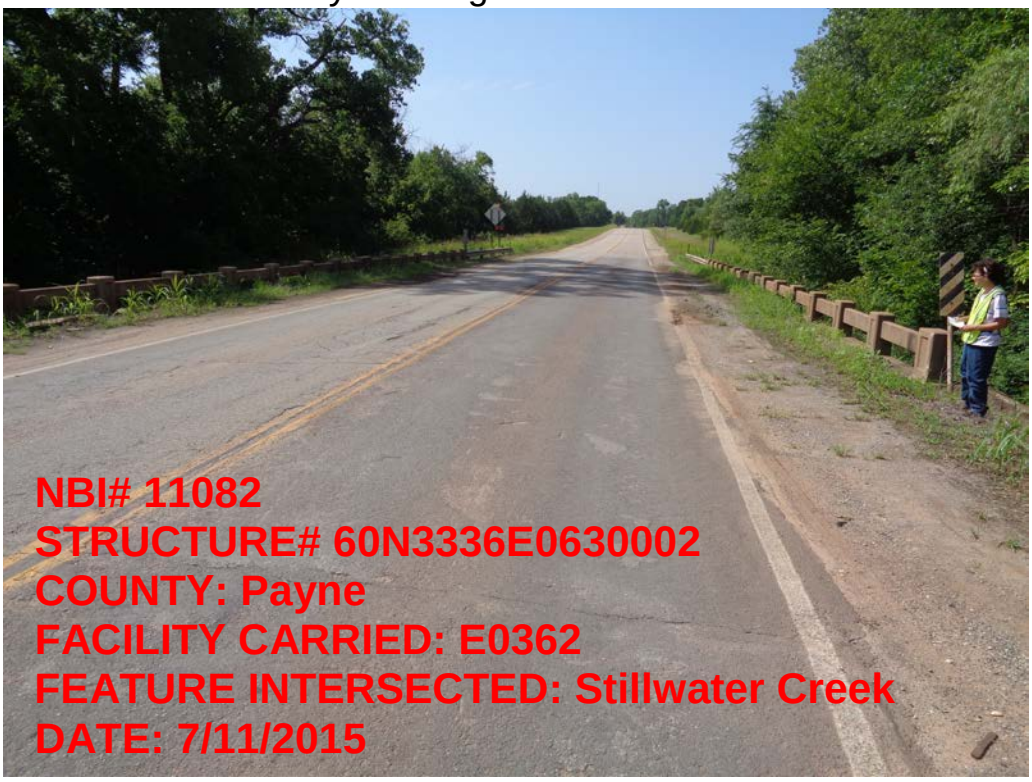
One foot of silt in all barrels. Trees in channel. * 7/11/15- Water in RCB

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
241	1	Reinforced Concrete Culvert	(LF)	336	329	98 %	7	2 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	197	187	95 %	10	5 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	3,924	0	0 %	2,354	60 %	0	0 %	1,570	40 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
241	none
331	Some superficial damage to 2 posts. 2 posts & 1 rail (on west) repaired years ago.
510	60% Asphalt 40% Dirt/ Gravel/ Grass along rails retards deck drainage

Picture 1 – Roadway Looking West



Picture 2 – North End

Circle # 209A

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24634** Structure No.: 60N3340E0530006 Local ID:210 3

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
80' PC BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3340 - 0
6. Feature Intersected: LONG BRANCH CREEK
7. Facility Carried: PERKINS RD(N3340) _
9. Location: PERKINS RD & NOBLE .6S
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 14 14.52
17. Longitude: 097 03 06.66
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1998
106. Year Reconstructed: -4
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 2,342.9 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.8 ft
48. Length Maximum Span: 80.0 ft
49. Structure Length: 82.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.8 ft
52. Width Out to Out: 28.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/7/2015	7/7/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

Flowline to top of deck - 22.7' - 02/15/2006. - FL, 22.5, 12-09. * 7/7/11 FL 24.5 TOR 39' N of SE COR * 7/7/15- WATER TOO SWIFT

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 89.9 100.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 54.0 61.9 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/16/2011

PROPOSED IMPROVEMENTS

94. Bridge Cost: $286,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $158,000
76. Lgth. of Improvment: 184.0 ft
96. Total Cost: $457,000
114. Future ADT: 80
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 73
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
80 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 8/16/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24634** Structure No.: 60N3340E0530006 Local ID:210 3

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	7/7/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Low chance of overtopping south approach * Channel well centered under structure * Structure above each approach 3 to 4 feet * FX- Minor erosion beginning at south bank

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,211	2,211	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	280	280	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	58	58	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	165	165	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	248	248	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Gravel on each edge of deck
109	NNP
215	NO Notable Problems.
310	No Notable Problems.
331	Surface defects.
510	Dirt and gravel overlay along both rails retards deck drainage
819	NNP
859	No deficiencies or damage.
916	No Notable Problems.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 210

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Bank Downstream

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26198** Structure No.: 60N3350E0530001 Local ID:210A 3

Suff. Rating: 86.0 ND

Health Index : 52.9

IDENTIFICATION

Description:
30' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3350 - 0
6. Feature Intersected: CREEK
7. Facility Carried: JARDOT RD(N3350) N 3350_
9. Location: JARDOT & NOBLE .1S
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 14 40.56
17. Longitude: 097 02 02.32
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/7/2015	7/7/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline to top of deck - 13.2' - 11-09 * 7/7/11 FL 13.0 TOD 12' N of SE COR

AGE AND SERVICE

27. Year Built: 1999
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 38.0 60.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 23.0 36.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/17/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 833.2 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.9 ft
48. Length Maximum Span: 29.0 ft
49. Structure Length: 30.3 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.9 ft
52. Width Out to Out: 27.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $673,153
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $764,000
76. Lgth. of Improvment: 85.0 ft
96. Total Cost: $1,461,000
114. Future ADT: 80
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 73
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9901
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 54.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 30.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 8/17/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Up
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26198** Structure No.: 60N3350E0530001 Local ID:210A 3

Suff. Rating: 86.0 ND

Health Index : 52.9

Inspection Date:	7/7/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* FX- Corners need marked * FX-Bushes hide rail ends on west side

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	815	0	0 %	815	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	140	0	0 %	140	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	14	14	0 %	0	0 %	0	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	47	0	0 %	47	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	55	0	0 %	55	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	60	60	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	815	815	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,501	0	0 %	0	0 %	1,501	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	516	516	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	66	0	0 %	66	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Lite gravel on deck, Photo. 1/2" gravel on deck, FX- gravel overlay pushed under rails, retards deck water drainage
107	FX-Rust with minor pitting on top and bottom flanges.
202	FX-Light scaling at grade line. 8 pile at wings
219	FX-Staining. FX-Slopes under both abutments are unportected against potential scour and erosion
231	FX-Light rust.
330	< none >
510	FX- 1" Gravel on deck is retarding drainage on deck
515	PX-Rust with minor pitting on top and bottom flanges.
865	PX-Minor pitting on top and bottom flanges.
890	Stay in place forms
918	
919	Faqding
968	Erosion at south abutment base has taken fill and protection from erosion since previous inspection in 2013

Picture 1 – Roadway Looking South

Picture 2 – North Abutment

Picture 3 – South Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27052** Structure No.: 60N3350E0680006 Local ID:211 3

Suff. Rating: 85.0 ND

Health Index : 45.3

IDENTIFICATION

Description:
40' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3350 - 0
6. Feature Intersected: LOST CREEK
7. Facility Carried: JARDOT RD(N3350) _
9. Location: JARDOT RD & 80TH ST .6S
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 14.12
17. Longitude: 097 02 00.84
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/23/2015	7/23/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory
59. Super.: 5 Fair
60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline to top of deck - 14.5' - 02/10/2006 - FL, 14.5, 10-09. * 7/22/11 FL 14.5 TOD 19' N of SE COR * 7/23/15- FL 14.6 TOD 18' N OF SE COR

AGE AND SERVICE

27. Year Built: 2002
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 40.0 64.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 27.0 36.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 6/14/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 953.7 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 23.3 ft
48. Length Maximum Span: 39.0 ft
49. Structure Length: 39.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 23.3 ft
52. Width Out to Out: 23.9 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $241,212
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $120,606
76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $401,618
114. Future ADT: 80
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 93
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 0201
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 48.0 / -1
244. Span Lengths :
39 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 6/14/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27052** Structure No.: 60N3350E0680006 Local ID:211 3

Suff. Rating: 85.0 ND

Health Index : 45.3

Inspection Date:	7/23/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

SIP forms @ soffit.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	929	0	0 %	929	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	210	0	0 %	190	90 %	20	10 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	14	0	0 %	0	0 %	14	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	48	0	0 %	0	0 %	48	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	511	511	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,079	0	0 %	0	0 %	2,079	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	48	69 %	22	31 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	840	840	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	88	88	100 %	0	0 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Minor Distress. --- Lite gravel on deck.
107	FX-Light rust with minor scaling.
202	PX-Surface rust. 4 pile at wings. Minor pitting
219	PX-Staining.
231	FX-Moderate surface rust.
330	< none >
510	Dirt overlay along rails retards deck drainage
515	PX-Light rust with minor scaling. Poor Condition
865	FX-Rust with minor scaling close to ends.
890	FX-Stay in place forms. Rust forming in small areas
918	
919	
963	FX-Beams & beam ends in CS-4, Sec.Loss. Less than 5% loss on girders.

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking West

Picture 3 – South Abutment

Picture 4 – Girders

Picture 5 – North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23540** Structure No.: 60N3360E0610002 Local ID:213 3

Suff. Rating: 98.9 ND

Health Index : 99.9

IDENTIFICATION

Description:
75' PC BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3360 - 0
6. Feature Intersected: WEST BRUSH CREEK
7. Facility Carried: BRUSHCRK RD(N336 _N 3360
9. Location: BRUSHCRK&MCELROY .2S
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 35.27
17. Longitude: 097 00 56.01
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/11/2015	7/11/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline to top of deck - 21.0' - 11-09 * 7/26/11 FL 24.3 TOR 38' N of SE COR * 7/11/15- FL 24.5 TOR 38' N OF SE COR

AGE AND SERVICE

27. Year Built: 1993
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 175
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 61.9 96.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 37.0 57.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/17/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 2,200.9 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.2 ft
48. Length Maximum Span: 75.0 ft
49. Structure Length: 77.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.8 ft
52. Width Out to Out: 28.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $279,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $153,000
76. Lgth. of Improvment: 179.3 ft
96. Total Cost: $445,000
114. Future ADT: 280
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 84
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
807.0 811.0 855.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
78 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/17/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23540** Structure No.: 60N3360E0610002 Local ID:213 3

Suff. Rating: 98.9 ND

Health Index : 99.9

Inspection Date:	7/11/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

< none >

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,077	2,077	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	257	257	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	57	57	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	155	145	94 %	10	6 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	2,077	2,077	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	NO Notable Problems.
109	NNP
215	NNP
310	NNP
331	Minor Defects.
510	Light gravel overlay along rails retards deck drainage
819	NNP
859	NNP
916	No Notable Problems

Picture 1 – Roadway Looking South

Picture 2 – South Abutment

Circle # 213

Picture 3 – North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20252** Structure No.: 60N3360E0630009 Local ID:214 3 Suff. Rating: 98.0 ND Health Index : 97.4

IDENTIFICATION

Description:
100' PC BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3360 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: BRUSH CRK (N3360) _
9. Location: BRUSH CRK & 19TH ST .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 19.90 17. Longitude: 097 00 55.89
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/18/2015	7/18/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 7 Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 28.0' - 02/16/2009 - FL, 28.0, 11-09 * 7/18/11 FL 32.0 TOR 55' N of SE COR * 7.18.13 fl 32.2 tor 54; n of se cor

AGE AND SERVICE

27. Year Built: 1982 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 98.0 100.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 58.0 72.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/17/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 2,910.9 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.8 ft
48. Length Maximum Span: 100.0 ft 49. Structure Length: 102.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.8 ft 52. Width Out to Out: 28.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $322,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $177,000 76. Lgth. of Improvment: 206.6 ft
96. Total Cost: $514,000 114. Future ADT: 160
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 95
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Elastomeric Sheet Type Strip Seal
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
808.0 797.0 836.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
100 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20252** Structure No.: 60N3360E0630009 Local ID:214 3

Suff. Rating: 98.0 ND

Health Index : 97.4

Inspection Date:	7/18/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* PX - Slight soil consolidation noted @ abutments. Install fill and rip rap at exposed piles under N abutment. * FX - Corners need marked

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,747	2,747	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	357	357	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	2	0	0 %	2	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
302	1	Compression Joint Seal	(LF)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	205	205	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
966	1	Exposed Abutment Piling	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Notable Problems, Gravel near edges, @ rail. Erosion under north abutment - Install fill and protection.
109	< none >
202	Two pile under north abutment - Rusty.
215	PX - Slight soil consolidation noted.
302	Mostly covered with soil. No seepage.
310	No Notable Problems.
331	Surface defects, weathering.
819	No Notable Problems.
859	No Notable Problems.
916	No Notable Problems.
966	PX - Two exposed steel pile at north abutment and one at south abutment
968	PX - Erosion under west end north abutment

Picture 1 – Roadway Looking South

Picture 2 – South Abutment

Circle # 214

Picture 3 – Base North Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22167** Structure No.: 60N3360E0640006 Local ID:215 3 Suff. Rating: 82.0 ND Health Index : 49.4

IDENTIFICATION

Description:
31' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3360 - 0
6. Feature Intersected: CREEK
7. Facility Carried: BRUSHCRK (N3360) _
9. Location: BRUSH CRK & 32ND ST .6S 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 34.91 17. Longitude: 097 00 56.63
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/18/2015	7/18/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 16.3' - 11-09. * 7/26/11 FL 16.0 TOD 24' N of SE COR

AGE AND SERVICE

27. Year Built: 1989 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 133 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 53.0 82.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 31.0 49.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/18/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 762.5 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.5 ft
48. Length Maximum Span: 29.7 ft 49. Structure Length: 30.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 24.5 ft 52. Width Out to Out: 25.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000 76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000 114. Future ADT: 213
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 96
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 36.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22167** Structure No.: 60N3360E0640006 Local ID:215 3

Suff. Rating: 82.0 ND

Health Index : 49.4

Inspection Date:	7/18/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

< none >

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	747	0	0 %	747	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	180	0	0 %	180	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	22	0	0 %	0	0 %	22	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	50	0	0 %	50	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	50	0	0 %	50	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	0	0 %	90	100 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	937	0	0 %	937	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	68	0	0 %	68	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Minor wear in wheel lanes w/exposed aggregate. Some damage from grading across deck. Minor.
107	FX- Moderate to heavy surface rust.
202	PX- Minor loss and exfoliation on "H" pile (in north abutment). Heavy rust overall. 8 pile at wings.
219	FX- Surface rust.
231	FX- Heavy surface rust.
330	FX
865	PX- Moderate to heavy surface rust.
890	FX- Beginning to rust
918	Coating on abutments and wings
919	Failing
963	FX- Exfoliation noted on N.Abut. piles, Sec.loss. Very minor.
968	Slumping bank at south abutment is unprotected from erosion

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking West

Circle # 215

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22508** Structure No.: 60N3360E0690000 Local ID:216 3 Suff. Rating: 86.0 ND Health Index : 47.2

IDENTIFICATION

Description:
49' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3360 - 0
6. Feature Intersected: LOST CREEK
7. Facility Carried: BRUSH CRK(N3360) _
9. Location: BRUSH CRK & 92ND INTRS 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.42 17. Longitude: 097 00 58.43
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/23/2015	7/23/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 15.5' - 02/10/2006 - FL, 15.5, 10-09. * 07082013 FL 15.4 TOD 13' N OF SE COR *

AGE AND SERVICE

27. Year Built: 1990 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 49.0 64.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 38.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/15/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,261. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 47.0 ft 49. Structure Length: 48.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.5 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $218,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $120,000 76. Lgth. of Improvment: 139.9 ft
96. Total Cost: $346,000 114. Future ADT: 160
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 93
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 38.0 / -1
244. Span Lengths :
49 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22508** Structure No.: 60N3360E0690000 Local ID:216 3

Suff. Rating: 86.0 ND

Health Index : 47.2

Inspection Date:	7/23/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Deck and beams control *

PX - Drift below bridge.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,236	0	0 %	1,236	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	347	0	0 %	327	94 %	20	6 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	20	0	0 %	0	0 %	20	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	26	50 %	26	50 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	0	0 %	52	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	98	95	97 %	3	3 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	80	89 %	10	11 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	108	0	0 %	108	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - Some minor wear in wheel lanes w/exposed aggregate. Could use a chip & seal overlay. 1/2" gravel on deck edge. FX- Tall grass hides part of deck corner markers
107	FX-Rust with light scaling. Welded together in some areas.
202	PX-Rust with minor pitting. 8 pile at wings.
219	PX-Light rust.
231	PXRust with light scaling.
330	FX-Light damage near NW end. Minor
865	FX-Rust with minor pitting.
890	FX-Stay in place forms beginning to rust
919	FX- Fading
963	FX-Beams & beam ends in CS-4. Loss of 10% all over - used girders from another bridge.
965	PX- Drift pile and trash lie under bridge from flowline up to base of south abutment. FX- Minor drift is caught in girders.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Girders

Picture 6 – Debris

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30030** Structure No.: 60N3370E0570002 Local ID:216B 1 Suff. Rating: 97.0 ND Health Index : 64.5

IDENTIFICATION

Description:
20 FT I BEAM SPAN 26' RDY
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3370 - 0
6. Feature Intersected: BRUSH CREEK
7. Facility Carried: N.FGRNDS.RD.N3370 N3370 N.FAIRGROUNDS RD.
9. Location: 3E, 1.8N OF US177/AIRPORT 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 11 10.00 17. Longitude: 096 59 54.00
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/1/2013	11/1/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
FL, 10.9 @W. top deck, 0.0 water, 11-2011 11-13 FL 12' N of SE COR

AGE AND SERVICE

27. Year Built: 2006 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 44.6 80.2 0.0
66. Inventory Rating (H / HS / 3-3) : 26.8 47.9 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 2/21/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.0 ft
Deck Area: 533. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.0 ft
48. Length Maximum Span: 20.0 ft 49. Structure Length: 20.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.0 ft 52. Width Out to Out: 25.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown 75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown 76. Lgth. of Improvment:
96. Total Cost: Unknown 114. Future ADT: 160
97. Year of Cost Est.: Unknown 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 57
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT Y
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30030** Structure No.: 60N3370E0570002 Local ID:216B 1

Suff. Rating: 97.0 ND

Health Index : 64.5

Inspection Date:	11/1/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

9 beams. 4 metal wings, 10.5 ft. length.

In service 10-2010.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	523	523	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	42	0	0 %	42	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	New deck, Lite gravel scattered over part.
107	FX-Rust is forming or has formed on uncoated portions of beams. -Beams have been spliced, alternately set @ abuts. - 1st @ N.Abut, Next @ S.Abut., etc.
202	FX-Rust forming or has formed.
219	FX-Rust forming or has formed.
231	FX-Rust forming or has formed.
330	FX-Galvanized flex-beam with rust spots widely scattered. Single rail, not nested. Appear to be 'Weak' posts-attachment, with some wide spacing
515	Some girders painted. some are not.
690	Steel Stay in Place forms. Some freckling.
765	Rust is forming or has formed on uncoated portions of beam ends..
919	Galvanized Flex-beam rails

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	1.0	7.0	12.0	15.0	20.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		9.9	10.4	10.9	10.9	9.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Flowline	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking west

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24661** Structure No.: 60N3370E0590002 Local ID:217 3 Suff. Rating: 86.0 ND Health Index : 58.0

IDENTIFICATION

Description:
58' I-BM SPAN, SK 75 RF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3370 - 0
6. Feature Intersected: EAST BRUSH CREEK
7. Facility Carried: FAIRGRNDS (N3370) FAIRGROUNDS RD
9. Location: FAIRGRNDS & AIRPORT .2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 22.81 17. Longitude: 096 59 51.22
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/7/2015	7/7/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
1209 FL, 16.8 F/ top deck, 11-09 * 7/18/11 FL 18.2 TOD 36' N of SE COR * 08/01/2013 FL 18.3 TOD 37' N OF SE COR *

AGE AND SERVICE

27. Year Built: 1997 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 75 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 52.0 65.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 31.0 39.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/19/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 23.0 ft
Deck Area: 1,562.3 sq. ft 33. Median: 0 No median
34. Skew: 15 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.2 ft
48. Length Maximum Span: 57.1 ft 49. Structure Length: 58.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.2 ft 52. Width Out to Out: 26.9 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $239,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $131,000 76. Lgth. of Improvment: 153.2 ft
96. Total Cost: $380,000 114. Future ADT: 120
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 68
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9701
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 44.0 / -1
244. Span Lengths :
58 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 33.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 0.5
246. Overlay Date : 8/19/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24661** Structure No.: 60N3370E0590002 Local ID:217 3

Suff. Rating: 86.0 ND

Health Index : 58.0

Inspection Date:	7/7/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Girders control *

* erosion extending in front of north abutment wall (see photo). * Channel in middle of span. * Vegetation in channel. * Drift on girders *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,522	1,522	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	384	0	0 %	384	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	0	0 %	18	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	115	115	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	250	250	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	4,594	0	0 %	0	0 %	4,594	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	128	128	100 %	0	0 %	0	0 %	0	0 %	0	0 %
958	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Seal transverse deck cracks
107	FX-Light to mod. surface rust on flanges & some areas of Web.
202	PX-Heavy surface rust and scaling overall. 8 pile at wings.
219	FX-Some light exfoliation noted @ bottom on south abutment. Heavy surface rust overall. Fill and protect slope at north abutment.
231	FX-Moderate to heavy surface rust only.
330	< none >
510	Patches of asphalt on each end of deck
515	PX-Light to mod. surface rust on flanges & some areas of Web. Poor condition.
865	FX-Light to moderate surface rust on flanges and some areas of webs.
890	Stay in place forms show some lite surface rust
919	
958	Minor cracks on deck.
963	FX - Exfoliation noted @ steel abutment. Very minor.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 217

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22430** Structure No.: 60N3370E0600009 Local ID:217A 3

Suff. Rating: 78.9 ND

Health Index : 62.5

IDENTIFICATION

Description:
24' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3370 - 0
6. Feature Intersected: CREEK
7. Facility Carried: FAIRGRNDS (N3370) _N 3370
9. Location: FAIRGRNDS & LVIEW .9S
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 51.38
17. Longitude: 096 59 50.90
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/7/2015	7/7/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

Flowline to top of deck - 14.0' - 11-09 * 7/23/11 FL 14.5 TOD 11' N of SE COR * FL 14.6 TOD 12' N OF SE COR * 7/7/15- FL 14.8 TOD 12' N OF SE COR

AGE AND SERVICE

27. Year Built: 1990
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 300
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	33.9	61.9	-1.1
66. Inventory Rating (H / HS / 3-3) :	19.9	36.0	-1.1

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 6/15/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 624. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 23.0 ft
49. Structure Length: 24.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.5 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000
76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000
114. Future ADT: 480
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 69
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
24 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Chipseal
246. Overlay Thickness : 0.5
246. Overlay Date : 6/15/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Up
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22430** Structure No.: 60N3370E0600009 Local ID:217A 3

Suff. Rating: 78.9 ND

Health Index : 62.5

Inspection Date:	7/7/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Low chance of Overtopping. * Very heavy traffic - Truck traffic

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	612	551	90 %	61	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	112	0	0 %	0	0 %	112	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	19	0	0 %	19	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	45	87 %	7	13 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	612	612	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	950	0	0 %	0	0 %	0	0 %	950	100 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	53	0	0 %	0	0 %	0	0 %	53	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Chip Seal Overlay.
107	PX-Minor surface rust in several places
202	FX-Surface rust. 9 pile at wings.
219	FX-Some initial exfoliation on lower 1 foot on south abutment. Heavy surface rust overall.
231	FX-Surface rust.
330	FX-Some damage on east (1 ft) & west (5 ft). Minor deterioration on most areas.
510	Chip Seal Overlay - 1/2 inch.
515	Thin paint - Failed
865	FX-Minor surface rust. Girders have been welded together (photo). Thin welds.
890	FX-Stay in place forms beginning to rust
919	Failing

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 217A

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23593** Structure No.: 60N3370E0620006 Local ID:218 1 Suff. Rating: 85.4 ND Health Index : 93.7

IDENTIFICATION

Description:
73' PC BEAM SPAN, SK60RF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3370 - 0
6. Feature Intersected: CREEK
7. Facility Carried: LOST CRK RD(N3370) _
9. Location: LOST CRK RD\6TH ST .6S 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 06 23.40 17. Longitude: 096 59 51.43
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/11/2013	10/11/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 8 Very Good 60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
FL, top of deck - 15.5' - 11-09. - FL, 21.0, 0.5 Water, 11-2011. * 10/4/13 FL 22.2 TOR 43' N of SE COR

AGE AND SERVICE

27. Year Built: 1994 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 1470 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 47.9 54.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 32.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads Date Rated : 10/30/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 2,099. sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.2 ft
48. Length Maximum Span: 70.6 ft 49. Structure Length: 72.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.8 ft 52. Width Out to Out: 28.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $263,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $145,000 76. Lgth. of Improvment: 169.0 ft
96. Total Cost: $419,000 114. Future ADT: 2352
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 70
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
73 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23593** Structure No.: 60N3370E0620006 Local ID:218 1

Suff. Rating: 85.4 ND

Health Index : 93.7

Inspection Date:	10/11/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 beams.

* PX - several small saplings need cut under structure *
FX - Debris under @ S.Abut. is FIRE Hazard, REMOVE.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,954	1,954	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	252	252	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	66	66	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	148	135	91 %	13	9 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - Dirt buildup in both guttersholding moisture on deck, Remove.
109	1 Spall [1 ft. shallow] 15 ft. F/ N. Abut. E.Face. Design has No Deck joints on Bridge.
215	NNP - Slight Seepage @ backwalls.
310	No Notable Problems.
331	Surface Defects. - Scrapes, Scaling.
659	No Notable Problems.
719	NNP
916	No Notable Problems.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	20.0	27.0	42.0	50.0	62.0	72.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		7.1	13.8	19.3	21.0	14.7	11.1	6.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Slope Ch.	Flowline	Slope Ch.	_	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – South abutment

Picture 3 – North abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22898** Structure No.: 60N3370E0640005 Local ID:219 1 Suff. Rating: 98.9 ND Health Index : 91.5

IDENTIFICATION

Description:
3-70' PC BEAM SPANS
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3370 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: N3370 _LOST CREEK RD.
9. Location: LOST CRK RD\32ND ST .5S 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 43.10 17. Longitude: 096 59 52.25
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/11/2013	10/11/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 3 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 8 Very Good 59. Super.: 8 Very Good 60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
FL, top of deck - 41.0' - 11-09. - FL, 42.4, 0.8 water, 11-2011. 10-13 FL 109' N of SE COR

AGE AND SERVICE

27. Year Built: 1991 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 6.0 mi
29. ADT: 250 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 61.9 91.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 37.0 54.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 10/30/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 5,890.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.0 ft
48. Length Maximum Span: 69.9 ft 49. Structure Length: 211.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.0 ft 52. Width Out to Out: 27.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $474,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $261,000 76. Lgth. of Improvment: 304.3 ft
96. Total Cost: $738,000 114. Future ADT: 400
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit 68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Elastomeric Sheet Type Strip Seal
Elastomeric Sheet Type Strip Seal
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers No
Drilled Shaft - No Footings
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
70 -1 -1
70 -1 -1
70 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22898** Structure No.: 60N3370E0640005 Local ID:219 1

Suff. Rating: 98.9 ND

Health Index : 91.5

Inspection Date:	10/11/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 PC Beams.

FX - 2 piles exposed @ south abut., 1 @ North.
FX - Slight settlement of approach Roadway @ Deck, to 1 inch. BUMP.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	5,509	4,958	90 %	551	10 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	840	840	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	3	0	0 %	3	100 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	4	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	56	51	91 %	5	9 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
302	1	Compression Joint Seal	(LF)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	427	384	90 %	43	10 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	120	120	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
966	1	Exposed Abutment Piling	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Dirt & Debris @ west Rail. - Lite deck cracking. -- CS-2 due to soffit.
109	No visible Problems. - 1 small spall, E.Exterior beam, 10 ft. F/ S.Abut.
202	FX - 2 exposed piles on south abutment, SE 1/4. 1 Exposed @ N @ E.1/4.
205	No Notable Problems. 'Cans' exposed @ S.Pier.
215	FX - Slight undermine of south abutment, SE 1/4. - 2 steel piles exposed. - Seepage @ South backwall. -- Burrowing Animals @ N. Abut., 1 pile exp.
234	No Visible Problems.
302	FX-South Joint good, Surface tearing @ E.Rail, N.Joint. (Photo)
310	No Notable Problems. [Thin Pads, 1-1/4 inch.]
331	Surface Defects. - Hairline Vertical Cracking thru-out. Spalling @ top, W.Face, @ S.Pier [40 ft.]
358	Scattered Transverse Cracking along with Random & map Cracking. Minor
659	FX-Scattered lite cracking with lite leaching [Effloresence] @ all spans.
719	NO Notable Problems
916	No Notable Problems. - -Sctd. Freckling.
966	PX - 2 piles exposed @ South abutment, 1 @ North Abut.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.5	13.0	40.0	71.0	85.0	95.0	110.0	120.0	130.0	141.0	156.0	172.0	190.0	219.0	-1.0
Profile		10.1	13.6	27.0	37.2	41.2	42.4	42.2	42.0	41.2	35.9	23.8	22.5	16.8	9.3	-1.0
Event		Abutment	_	_	Pier	_	Wtr. Edge	Flowline	Flowline	Wtr. Edge	Pier	_	_	_	Abutment	_

Picture 1 – Roadway looking south

Picture 2 – North approach

Picture 3 – East end north abutment

Picture 4 – North abutment

Picture 5 – Sideview looking southwest

Picture 6 – Base south pier

Picture 7 – Seal

Picture 8 – East end south abutment

Picture 9 – South approach

Picture 10 – Northwest bank

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22802** Structure No.: 60N3370E0650004 Local ID:221 3

Suff. Rating: 97.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
75' PC BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3770 - 0
6. Feature Intersected: DRY CREEK
7. Facility Carried: LOST CRK RD(N3370) _
9. Location: LOST CRK & 44TH ST .4S
11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 58.18
17. Longitude: 096 59 52.28
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/22/2015	7/22/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline to top of deck - 17.9' - 11/27/2007. - FL, 18.0', 10-09. * 7/26/11 FL 19.2 TOR 43' N of SE COR *7/22/15- Water standing

AGE AND SERVICE

27. Year Built: 1991
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 250
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 61.9 96.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 37.0 57.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/18/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 17.0 ft
Deck Area: 2,142. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 75.0 ft
49. Structure Length: 77.3 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.0 ft
52. Width Out to Out: 27.7 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $273,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $150,000
76. Lgth. of Improvment: 175.6 ft
96. Total Cost: $436,000
114. Future ADT: 400
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 90
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
75 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22802** Structure No.: 60N3370E0650004 Local ID:221 3

Suff. Rating: 97.0 ND

Health Index : 100.0

Inspection Date:	7/22/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

V.Good Str. Built 1991. * No approach rail on north end

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,010	2,010	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	260	260	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	155	154	99 %	1	1 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Visible Problems. CS-2 due to soffit.
109	< none >
215	< none >
310	NVP
331	Surface Defects.
819	NVP
859	Some light transverse cracking w/efflorescence starting @ south end.
916	< none >

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking East

Circle # 221

Picture 3 – South Abutment

Picture 4 – North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22971** Structure No.: 60N3370E0700003 Local ID:222 3 Suff. Rating: 76.6 ND Health Index : 53.4

IDENTIFICATION

Description:
35' I-BEAM SPAN, SK60RF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3370 - 0
6. Feature Intersected: CREEK
7. Facility Carried: FAIRGRNDS (N3370) _
9. Location: FAIRGRNDS & 104TH .3S 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 42.98 17. Longitude: 096 59 54.39
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/24/2015	7/24/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of bridge - 14.0' 02/10/2006 * 7/22/11 FL 14.0 TOD 27' N of SE COR * 07082013 FL 14.5 TOD 28' N OF SE COR *7/22/15- WATER STANDING

AGE AND SERVICE

27. Year Built: 1992 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 1.0 mi
29. ADT: 669 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 37.0 55.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 22.0 33.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/15/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 913.5 sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 34.1 ft 49. Structure Length: 35.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.5 ft 52. Width Out to Out: 26.1 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $183,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $100,000 76. Lgth. of Improvment: 117.3 ft
96. Total Cost: $290,000 114. Future ADT: 1070
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 95
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9201
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 51.0 / -1
244. Span Lengths :
35 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 6.0
246. Overlay Date : 6/15/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Up
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22971** Structure No.: 60N3370E0700003 Local ID:222 3

Suff. Rating: 76.6 ND

Health Index : 53.4

Inspection Date:	7/24/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

PX - heavy erosion behind NE wing * SE wing leaning out. * Fast traffic *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	892	803	90 %	89	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	175	0	0 %	175	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	0	0 %	18	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	70	54	77 %	16	23 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	892	0	0 %	892	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,684	0	0 %	1,684	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	77	0	0 %	77	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Minor Distress.
107	FX-Rust with minor pitting on top and bottom flange.
202	PX-Light exfoliation to bottom. Rust. 8 pile at wings.
219	FX - Beam ends in CS-2, Exfol. mentioned @ piles.
231	FX-Surface rust.
330	FXVehicle damage, SE corner. East side weak post
510	FX-Minor Distress in asphalt overlay. Patched areas.
515	FX-Rust with minor pitting on top and bottom flange.
865	FX-Rust with light scaling at ends.
890	FX- Stay in place forms minor rust.
919	Weak failing
963	FX-Very minor at girders. Base pile at abutment 5% loss.
968	Erosion base south abutment and east end north abutment. * FX - cover erosion at both abutments with fill and rip rap. 7/22/15- Water up

Picture 1 – Roadway Looking South

Picture 2 – East Rail

Circle # 222

Picture 3 – Sideview Looking East

Picture 4 – South Abutment

Picture 5 – North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23877** Structure No.: 60N3380E0650001 Local ID:224 3

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
35'-75'-35' PCB SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3380 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: PRAIRIE RD (N3380) PRAIRIE RD
9. Location: PRAIRIE RD & 44TH ST .1S
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 17.02
17. Longitude: 096 58 48.29
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1993
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 4,195.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.6 ft
48. Length Maximum Span: 75.1 ft
49. Structure Length: 147.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.9 ft
52. Width Out to Out: 28.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/27/2015	7/27/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

2/2/01 - Flowline to deck top = 31.7' * 2/10/2003 - Flowline to deck top = 33.1' FL, 33.0', 10-09. * 7/26/11 FL 35.4 TOR 78' N of SE COR * 7/27/15- FL 36.0 TOR 79' N OF SE COR

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	58.0	77.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	35.0	46.0	-1.1

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/22/2011

PROPOSED IMPROVEMENTS

94. Bridge Cost: $390,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $215,000
76. Lgth. of Improvment: 250.7 ft
96. Total Cost: $665,500
114. Future ADT: 160
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 96
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Elastomeric Sheet Type Strip Seal
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers No
Drilled Shaft - No Footings
210. Foundation Elev. 8209.0 7799.0
7885.0 7899.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
35 -1 -1
75 -1 -1
35 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23877** Structure No.: 60N3380E0650001 Local ID:224 3

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* FX- Erosion beginning on south bank has lost rip rap. * Bridge in very good condition. * Channel in middle of main span. * Channel has some minor erosion * US of bridge.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	3,954	3,954	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	508	508	100 %	0	0 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	4	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
302	1	Compression Joint Seal	(LF)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	295	295	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	60	60	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Some gravel scattered along edges. FX - Dirt under rail is high enough to stop water from draining from deck.
109	No defects noted.
205	PX - North bank has a steep slope near north pier columns.
215	No defects noted.
234	No defects noted.
302	FX - filled with dirt
310	No defects noted.
331	No defects noted.
819	No defects noted.
859	No defects noted.
916	< none >
968	FX- East half of south bank has lost rip rap to prevent scour.

Picture 1 – Sideview Looking Southwest

Picture 2 – North Abutment

Picture 3 – Erosion South Bank

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00410** Structure No.: 60N3380E0660009 Local ID:225 1 Suff. Rating: 65.0 SD Health Index : 0.0

IDENTIFICATION

Description:
20'& 8' I-BEAM SPANS (2- TEMP 10' PIPES)
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3380 - 0
6. Feature Intersected: CREEK
7. Facility Carried: PRAIRIE RD(N3380) _
9. Location: PRAIRIE RD & 56TH ST .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 44.02 17. Longitude: 096 58 48.59
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/17/2013	7/17/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 2 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 4 Poor 59. Super.: 4 Poor 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
2 - Temporary Pipes.

AGE AND SERVICE

27. Year Built: 1915 106. Year Reconstructed: 1960
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 75 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads Date Rated : 7/17/2002

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.0 ft
Deck Area: 538.2 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.0 ft
48. Length Maximum Span: 20.0 ft 49. Structure Length: 30.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft 52. Width Out to Out: 18.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000 76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000 114. Future ADT: 120
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Timber Piling
209. Type of Pier / Found.: Bent No
Steel Piling
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Basic Lead Silico
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 7/17/2002
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

LINK TO MAP

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00410** Structure No.: 60N3380E0660009 Local ID:225 1

Suff. Rating: 65.0 SD

Health Index : 0.0

Inspection Date:	7/17/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

TWO TEMP PIPES IN PLACE SINCE 2002.

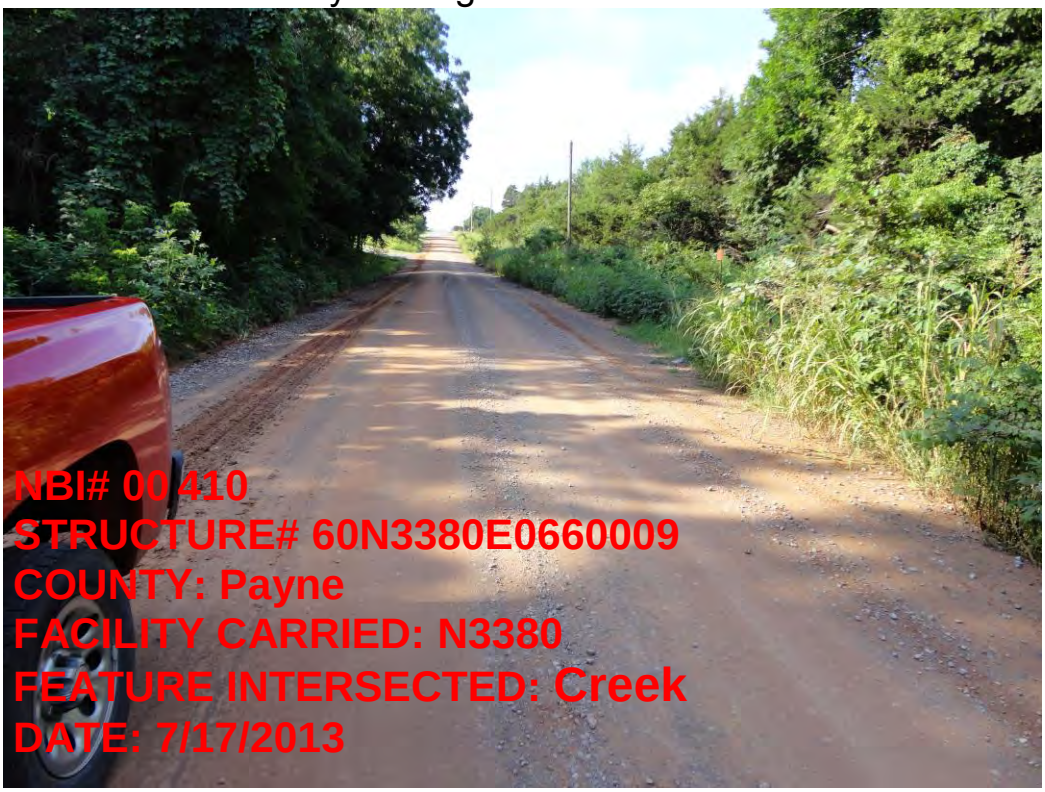
2-10 ft. steel pipes, 9-10 ft. Spacing. FX - Debris on west end

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	540	0	0 %	0	0 %	0	0 %	540	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	300	0	0 %	0	0 %	0	0 %	300	100 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	2	0	0 %	0	0 %	0	0 %	2	100 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	10	0	0 %	0	0 %	0	0 %	10	100 %	0	0 %
216	1	Timber Abutment	(LF)	36	0	0 %	0	0 %	0	0 %	36	100 %	0	0 %
231	1	Steel Pier Cap	(LF)	20	0	0 %	0	0 %	0	0 %	20	100 %	0	0 %
235	1	Timber Cap	(LF)	36	0	0 %	0	0 %	0	0 %	36	100 %	0	0 %
510	1	Wearing Surfaces	(SF)	540	540	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	NOTE -- Temporary pipes installed 2000-01?
107	< none >
202	< none >
206	< none >
216	< none >
231	< none >
235	< none >
510	NOTE -- Temporary pipes installed 2000-01?

Picture 1 – Roadway looking south



Picture 2 – West end

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00733** Structure No.: 60N3390E0560005 Local ID:226 1 Suff. Rating: 21.3 SD Health Index : 39.8

IDENTIFICATION

Description:
24' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3390 - 0
6. Feature Intersected: CREEK
7. Facility Carried: UNION RD. (N3390) UNION RD. N3390_
9. Location: UNION RD\YOST RD .5S 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 11 46.62 17. Longitude: 096 57 41.41
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	12	9/23/2014	9/23/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 4 Poor 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
11/23/09 Flowline to top of deck - 11.0' - 03/06/2006, - FL, 11.0, 11-09.
FL, 11.0, 10-2010. FL 10.9 f/TOP E.DECK, 11-2011, same 2012. *9/23/14 FL 10.8 TOD 7' N OF SE COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: Unknown
28A. Lanes on: 1 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2014 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 12.0 22.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 7.1 13.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-To
70. Posting: 0 >39.9% below Date Rated : 7/16/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 384. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 16.0 ft
48. Length Maximum Span: 22.0 ft 49. Structure Length: 24.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 16.0 ft 52. Width Out to Out: 16.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000 76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2034

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 75
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 121212
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 31.0 / -1
244. Span Lengths :
24 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : Soil
246. Overlay Thickness : 3.0
246. Overlay Date : 7/16/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00733** Structure No.: 60N3390E0560005 Local ID:226 1

Suff. Rating: 21.3 SD

Health Index : 39.8

Inspection Date:	9/23/2014	Reported By:	GWATKINS
Invoice No.:	60-110	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

12 MONTH FREQUENCY DUE TO SOUTH ABUTMENT CONDITION.

FX - Deck has heavy wear & decay appears to be thru-out. 3-4 in. soil gravel over.
PX- NW & NE wings need attn. due to Heavy erosion.
Note- SE wing metal plate with steel pile.
PX - Only one load posting sign in place! Add Sign @ South approach

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	396	0	0 %	0	0 %	396	100 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	167	0	0 %	0	0 %	167	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	3	0	0 %	0	0 %	3	100 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	33	0	0 %	16	50 %	13	40 %	3	10 %	0	0 %
330	1	Metal Bridge Railing	(LF)	49	0	0 %	0	0 %	49	100 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	396	396	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	PX - Runners are NOT exposed at south end & have heavy wear. Decay all of deck. - 3-4 in.Soil-Gravel over.
107	PX - Light pitting on majority. Mod to HVy. pitting on top flanges.
202	PX - Mod. to Heavy surface rust. Added Support for E.exterior beam @ S.abut. photo.
215	PX - Deterioration of South abutment. Cavities up to six inches deep at bottom. Scattered crumbling at top, worst @ SE Corner. - Two feet of section loss at SE corner. North abutment is scaled and eroding but not as severe. -- Pile support added @ SE Cor.
330	PX - Flexbeam, E.rail weak & barely standing on its own. W.rail barely strong enough for handrail. Hvy. rust ON SUPPORTS. HANDRAIL ONLY. Would not stop small car.
361	PX - Heavy scour base south abutment
363	FX - Lite-Moderate Sec.Loss on Unpainted Girders, worst @ top flanges & ends. Lite-Mod @ Unpainted column.
510	FX - Runners are NOT exposed at south end & have heavy wear. Decay all of deck. - 3-4 in.Soil-Gravel over.
919	Galvanized flex-beam rail *9/23/14 COATING
968	PX -Heavy to Severe erosion @ NW corner along wing [Needs ATTN.]. HVY. Erosion @ NE corner wing. Narrow Str.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	5.0	10.0	17.0	24.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.0	10.9	10.6	8.4	7.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Slope Ch.	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – North weight limit sign

Picture 3 – Sideview looking west

Picture 4 – South abutment

Picture 5 – North abutment

Picture 6 – Girder

Picture 7 – East end south Abutment

Picture 8 – South weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04622** Structure No.: 60N3390E0560009 Local ID:227 1 Suff. Rating: 61.7 ND Health Index : 84.4

IDENTIFICATION

Description:
23' CONC SLAB SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3390 - 0
6. Feature Intersected: LITTLE STILLWATER CREEK
7. Facility Carried: UNION RD. (N3390) _N 3390
9. Location: UNION RD\YOST RD .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 11 29.55 17. Longitude: 096 57 41.98
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/1/2013	11/1/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Slab
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 14.2' -11-09. - FL, 15.6, 0.0 water, 11-2011. * 11-13 FL TOD 15.5 9' N of SE COR

AGE AND SERVICE

27. Year Built: 1936 106. Year Reconstructed: Unknown
28A. Lanes on: 1 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: P Posted for load
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 19.9 37.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 10.0 19.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 3 10.0-19.9%below Date Rated : 4/20/1998

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 402.5 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 15.0 ft
48. Length Maximum Span: 21.0 ft 49. Structure Length: 23.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 15.0 ft 52. Width Out to Out: 17.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $80,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $40,000 76. Lgth. of Improvment: 93.7 ft
96. Total Cost: $225,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 7 Above Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 7 Countermeasures

200c. Temperature: 74
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Parapet - No rail
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 191919
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : Y
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
23 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 3.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04622** Structure No.: 60N3390E0560009 Local ID:227 1

Suff. Rating: 61.7 ND

Health Index : 84.4

Inspection Date:	11/1/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

PX - Needs one lane bridge signs. -- 15.0 curb to curb.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
38	1	Reinforced Concrete Slab	(SF)	345	0	0 %	345	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	36	29	80 %	7	20 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	46	43	93 %	3	7 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	345	345	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
38	FX-3 inch average soil overlay.
215	FX-Light cracking at centerline at top of South abutment.
331	FX-Surface defects.
510	3 inch average soil overlay.
659	No Notable Problems.
968	Erosion beginning base south abut (photo)

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	7.0	13.0	21.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		15.3	15.6	13.3	9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – South weight limit sign

Picture 3 – North weight limit sign

Picture 4 – Sideview looking west

Picture 5 – North abutment

Picture 6 – South abutment

Picture 7 – Soffit

Picture 8 – Base south abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25197** Structure No.: 60N3390E0580007 Local ID:227A 1 Suff. Rating: 97.0 ND Health Index : 55.2

IDENTIFICATION

Description:
29' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3390 - 0
6. Feature Intersected: LITTLE STILLWATER CREEK
7. Facility Carried: UNION RD. (N3390) _UNION RD.
9. Location: RICHMOND\UNION RD.7S 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 52.77 17. Longitude: 096 57 42.09
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/1/2013	11/1/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

Flowline to top of deck - 14.5' - 11-09. - FL, 14.1,0.0 Water, 11-2011. * 11-13 FL 14.2 TOD 9' N of SE COR

AGE AND SERVICE

27. Year Built: 1997 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 75 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Ton Alt. Op. Rating Meth.: 0 Field Evaluation
64. Operating Rating (H / HS / 3-3): 52.2 84.4 -1.1
66. Inventory Rating (H / HS / 3-3) : 31.4 50.6 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Ton Alt. Inv. Rating Meth.: 1 LF Load Factor-Ton
70. Posting: 5 At/Above Legal Loads Date Rated : 9/19/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 759.2 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.3 ft
48. Length Maximum Span: 28.3 ft 49. Structure Length: 29.2 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.3 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

LINK TO MAP

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000 76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000 114. Future ADT: 120
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 65
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 39.0 / -1
244. Span Lengths :
29 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 9/19/2012
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25197** Structure No.: 60N3390E0580007 Local ID:227A 1

Suff. Rating: 97.0 ND

Health Index : 55.2

Inspection Date:	11/1/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

9 beams.

Watch Deck Cracking & soffit.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	738	0	0 %	738	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	174	0	0 %	174	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	19	0	0 %	19	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	59	0	0 %	59	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	380	0	0 %	380	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	0	0 %	90	100 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Minor Distress. 40% gravel covered. - Lite-Mod. Wear on exposed concrete surface.
107	FX-Moderate to Heavy surface rust on all. Sctd. Lite Pitting.
202	FX-Mod. to Heavy surface rust with light scaling @ Groundline..
219	FX-Moderate Surface rust. -- Lite-Mod. Scaling @ Groundline.
231	FX-Lite to Moderate surface rust thru-out.
330	FX-Short rail Height, Wide Post Spacing, Scrapes & Bent Areas. - Galv. Flexbeam.
358	Lite random cracking near middle of deck.
510	Loose gravel
690	FX-Steel SIP forms in satisfactory condition. Mod, Freckling & surface rust thru-out.
765	FX-Mod. to Heavy surface rust. Sctd. Lite Pitting Near Abuts. (Minor)
919	Galvanized Flex-Beam Rails.
965	Debris blocking channel west side under bridge (photo)

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	7.0	14.0	20.0	28.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		12.5	14.1	13.9	13.6	12.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	_	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Sideview looking west

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

Picture 6 – Debris

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24663** Structure No.: 60N3390E0650008 Local ID:228 3

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
55' DBL. TEE SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3390 - 0
6. Feature Intersected: CREEK
7. Facility Carried: UNION RD. UNION RD
9. Location: UNION RD & 44TH ST .8S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 38.89
17. Longitude: 096 57 44.00
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Tee Beam
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1996
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 6.0 mi
29. ADT: 60
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,582.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.9 ft
48. Length Maximum Span: 55.1 ft
49. Structure Length: 56.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.6 ft
52. Width Out to Out: 28.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/27/2015	7/27/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:
10.9.09 FL, 21.0, Top Deck * 7.17.13 fl 21.2 tod 27' N of SE cor

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 40.0 60.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 24.0 37.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 7/26/2013

PROPOSED IMPROVEMENTS

94. Bridge Cost: $234,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $129,000
76. Lgth. of Improvment: 150.4 ft
96. Total Cost: $373,000
114. Future ADT: 96
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 95
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
7910.0 7883.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Not Applicable
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Other
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
55 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24663** Structure No.: 60N3390E0650008 Local ID:228 3

Suff. Rating: 100.0
ND

Health Index :
100.0

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX - Needs vegetation cleared from approaches. FX - Brush under contacting structure. [remove] Channel in middle of bridge opening and has a lot of vegetation in it.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,492	1,492	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	561	561	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	112	112	100 %	0	0 %	0	0 %	0	0 %	0	0 %
818	1	Integral Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - Gravel near rails.
109	Excellent condition overall. FIVE DBL TEES.
215	No problems noted.
331	FX - TALL BRUSH HIDES END RAILS
818	NO PROBLEMS NOTED
859	No defects noted.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 228

Picture 3 – North Abutment

Picture 4 – South Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24662** Structure No.: 60N3390E0650009 Local ID:229 3

Suff. Rating: 89.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
35'-70'-35' P.C. BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3390 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: UNION RD. UNION RD
9. Location: UNION RD & 44TH S .9S
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 32.20
17. Longitude: 096 57 44.01
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/27/2015	7/27/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	N	12	**7/27/2015**	**7/27/2016**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 5 Bank Prot Eroded

Flowline Notes:

2/1/01 - Flowline to deck top = 31.8' * 2/10/2003 - Flowline to deck top = 32.2' FL, 32.2, 10-09. * 7/23/11, 2013 FL 36.8 TOR 46' N of SE COR * 7/27/2015- FL 37.1 TOR 44' N OF SE COR

AGE AND SERVICE

27. Year Built: 1996
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 6.0 mi
29. ADT: 60
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 58.0 77.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 35.0 46.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 8/22/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 4,223.4 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.2 ft
48. Length Maximum Span: 75.1 ft
49. Structure Length: 148.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.9 ft
52. Width Out to Out: 28.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $392,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $215,000
76. Lgth. of Improvment: 251.5 ft
96. Total Cost: $667,700
114. Future ADT: 96
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 95
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Elastomeric Sheet Type Strip Seal
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers No
Drilled Shaft - No Footings
210. Foundation Elev. 8210.0 7700.0
7842.0 7867.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
35 -1 -1
70 -1 -1
35 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24662** Structure No.: 60N3390E0650009 Local ID:229 3

Suff. Rating: 89.0 ND

Health Index : 100.0

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* PX - Scour has exposed steel footings [cans] @ pier drilled shafts. - Covered up this date. * FX- Channel migrating. * FX-Needs vegetation cleared from approaches. * FX- Some minor erosion along NW and SW approach embankments. * PX- Erosion on south bank under bridge 7' from abutment- moniter in 12 months

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	3,981	3,981	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	451	451	100 %	0	0 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	4	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
302	1	Compression Joint Seal	(LF)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	295	295	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	120	120	100 %	0	0 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No problems noted. Lite gravel deposits @ rails.
109	No problems noted.
205	PX - Exposed metal forms [CANS] @ both piers, Pier 1 worst. SEE Photos. Fill material lost, RIP-Rap has dropped. REMEDY PER PLAN OF ACTION DATED 12-4-2009 FOR 3 FT EXPOSURE OF PIER FOUNDATIONS.
215	No problems noted.
234	No problems noted.
302	No problems noted. Joints partially covered near edges.
310	No problems noted.
331	No problems noted.
819	No Notable Problems.
859	No problems noted.
916	< none >
961	PX - Serious erosion along north side of pier 1 (see photos). Top of drilled shafts are exposed by scour. PX - Channel needs to be realigned and pier 1 protected per plan of action dated 12-4-2009. PX- Check channel migration changes
968	PX- Moniter serious erosion along north side of pier and on south bank under bridge only 7' from abutment. FX- Check progress of minor erosion along northwest and southwest approach embankments. Check depth of exposure for all 4 drill shafts at piers.

Picture 1 – Roadway Looking North

Picture 2 – Erosion South Bank

Circle # 229

Picture 3 – Erosion South Pier

Picture 4 – South Abutment

Picture 5 – Sideview Looking Northwest

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24120** Structure No.: 60N3390E0660006 Local ID:230 3

Suff. Rating: 86.0 ND

Health Index : 68.8

IDENTIFICATION

Description:
32' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3390 - 0
6. Feature Intersected: CREEK
7. Facility Carried: UNION RD. (N3390) _
9. Location: UNION RD & 56TH ST .6S
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 58.06
17. Longitude: 096 57 44.37
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/27/2015	7/27/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline to top of deck - 15.5' - 02/16/2006. - FL, 15.5', 10-09. * 7/23/11 FL 18.0 TOD 14' N of SE COR * 7012/13 fl 17.9 tod 15' n of se cor

AGE AND SERVICE

27. Year Built: 1994
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 39.0 65.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 36.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 6/15/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 837.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 30.8 ft
49. Structure Length: 32.2 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $174,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $96,000
76. Lgth. of Improvment: 112.0 ft
96. Total Cost: $276,000
114. Future ADT: 160
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 89
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9401
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 51.0 / -1
244. Span Lengths :
32 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 6/15/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24120** Structure No.: 60N3390E0660006 Local ID:230 3

Suff. Rating: 86.0 ND

Health Index : 68.8

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

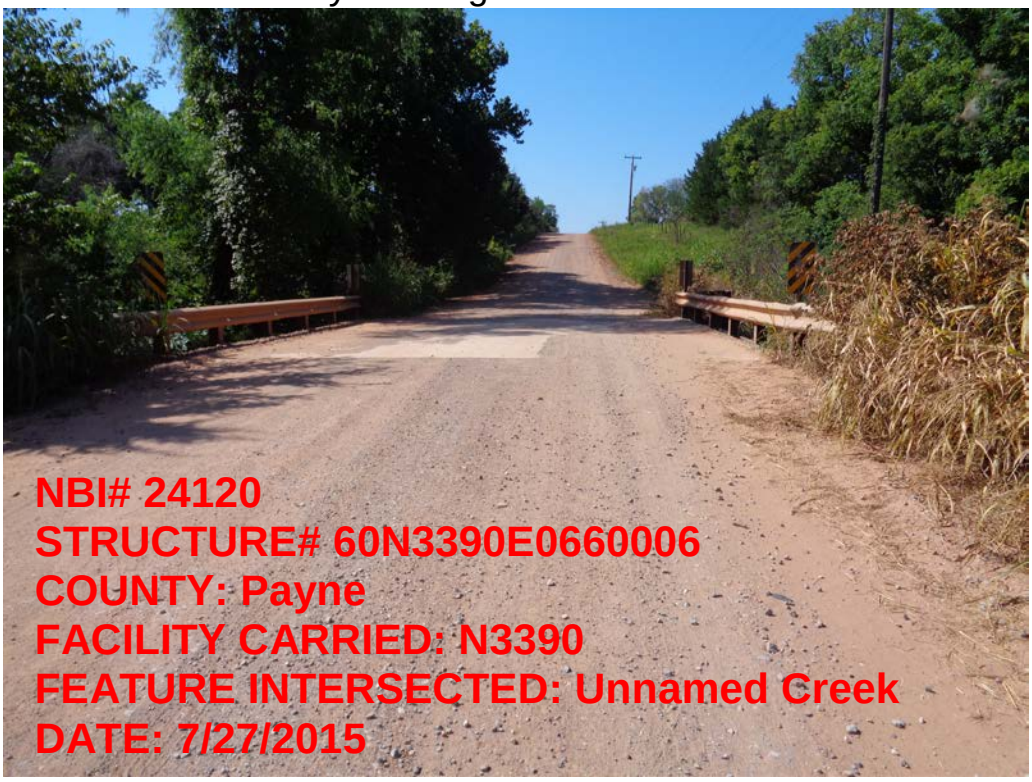
Built 1994.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	817	817	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	154	0	0 %	154	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	21	0	0 %	21	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	66	66	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	500	500	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,684	0	0 %	0	0 %	1,684	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	70	70	100 %	0	0 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Dirt on edges retards deck drainage FX- Tall grass hides most deck corners
107	FX- Rust top and bottom flanges.
202	FX - Minor scaling at grade line. 11 pile at wings.
219	FX - Minor scaling-exfoliation at grade line.
231	FX - Minor rust.
330	FX - Bushes hide rail ends FX- Saplings are growing up near west side of bridge.
510	FX- Dirt and gravel overlay along rails retards deck drainage
515	FX - Rust top and bottom flanges. Thin paint
865	FX - Rust top and bottom flanges.
890	FX - Minor rusting
919	
963	FX - @ base of Steel Abutment & Steel Piles. Minor.
968	FX- Bank is slumping near base of south abutment

Picture 1 – Roadway Looking South



Picture 2 – Sideview Looking East

Circle # 230

Picture 3 – South Abutment

Picture 4 – North Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25279** Structure No.: 60N3390E0730008 Local ID:231 3 Suff. Rating: 81.1 ND Health Index : 51.2

IDENTIFICATION

Description:
84' I-BEAM SPAN, SK53RF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 6050C - 0
6. Feature Intersected: HEADQUARTERS CREEK
7. Facility Carried: UNION RD. (N3390) _
9. Location: UNION RD & 140TH ST .8S 11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 41.77 17. Longitude: 096 57 45.96
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/25/2015	7/25/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 20.0' - 03/07/2006, - FL, 20.1, 10-09. * 7/8/2011 FL 21.0 TOD 45' N of SE COR * 07/08/2013 FL 21.2 TOD 44'N OF SE COR *

AGE AND SERVICE

27. Year Built: 1997 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 37.0 50.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 22.0 30.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/16/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 1,948.7 sq. ft 33. Median: 0 No median
34. Skew: 37 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 22.6 ft
48. Length Maximum Span: 83.0 ft 49. Structure Length: 84.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 22.6 ft 52. Width Out to Out: 23.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $290,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $160,000 76. Lgth. of Improvment: 186.3 ft
96. Total Cost: $463,000 114. Future ADT: 80
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 82
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 9701
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current Bus Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 38.0 / -1
244. Span Lengths :
84 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 3.0
246. Overlay Date : 6/16/2004
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25279** Structure No.: 60N3390E0730008 Local ID:231 3

Suff. Rating: 81.1 ND

Health Index : 51.2

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX-Corners need to be marked

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,898	1,898	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	591	0	0 %	578	98 %	13	2 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	30	0	0 %	0	0 %	30	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	59	0	0 %	59	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	59	0	0 %	0	0 %	59	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	167	82	49 %	82	49 %	0	0 %	3	2 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,898	1,898	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	6,653	0	0 %	0	0 %	6,653	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	79	0	0 %	69	87 %	10	13 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	185	0	0 %	185	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	3" Overlay. 2008-09? Deck corners are not marked.
107	FX-Rust top and bottom flanges with light pitting. Minor. Section loss beginning at bottom west girder (Photo)
202	PX-Heavy rust. 18 steel pile at wings. Pitting at ground line.
219	FX-Some minor exfoliation on most areas of lower 1 foot on south abutment.
231	PX-Moderate rust. Pitting
330	FX-Some minor damage on west rail at north end broken connection with post.
510	3" asphalt on deck 07/08/2013
515	PX-Rust top and bottom flanges with light pitting. Poor condition. Thin paint
865	PX-Rust top and bottom flanges with light pitting. Minor
890	Stay in place forms
919	FX- Failing
963	FX-Beams & beam ends in CS-2, Sec.Loss --- Exfol. on metal Abut. Minor
968	Repair, fill and protec against more erosion at NE corner of roadway.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 231

Picture 3 – South Abutment

Picture 4 – North Abutment

Circle # 231

Picture 5 – Girders

Picture 6 – Rail Northwest Corner

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27377** Structure No.: 60N3400E0660007 Local ID:232 3 Suff. Rating: 84.8 ND Health Index : 69.2

IDENTIFICATION

Description:
64' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3400 - 0
6. Feature Intersected: LITTLE STILLWATER CREEK
7. Facility Carried: MEHAN RD.(N3400) MEHAN RD
9. Location: MEHAN RD & 56TH ST .7S 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 53.08 17. Longitude: 096 56 40.46
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/27/2015	7/27/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Other Other (NBI)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
4/22/03 - Flowline to deck top = 22.0' -- FL, 22.0, 12-09. * 7/27/15- FL 22.3 TOD 29' N OF SE COR

AGE AND SERVICE

27. Year Built: 2003 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 200 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 39.0 59.0 0.0
66. Inventory Rating (H / HS / 3-3) : 27.0 35.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 7/13/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,791.9 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 27.5 ft
48. Length Maximum Span: 63.2 ft 49. Structure Length: 64.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 27.5 ft 52. Width Out to Out: 28.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $280,963 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $140,482 76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $467,804 114. Future ADT: 320
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 86
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 0301
227. Paint Coloring: Silver
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 54.0 / -1
244. Span Lengths :
63 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 5.0
246. Overlay Date : 7/13/2013
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27377** Structure No.: 60N3400E0660007 Local ID:232 3

Suff. Rating: 84.8 ND

Health Index : 69.2

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Channel clean *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,760	1,584	90 %	176	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	378	0	0 %	372	98 %	6	2 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	20	0	0 %	20	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	128	0	0 %	128	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,760	1,760	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	4,435	0	0 %	0	0 %	4,435	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	64	91 %	6	9 %	0	0 %	0	0 %
890	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Deck overlayed with 5" HMA, edge-to-edge. Surface in good condition.
107	FX - Some moderate section loss to bottom flange on #2 near mid-span for 3 ft. Also, on top of #3 near center for 3 ft. Some loss on N ends of #'s 1, 6, and 7 (mainly webs).
202	FX - Moderate surface rust. 10 pile at wings - rusty
219	Abutments in very good condition.
231	FX - Lite surface rust.
330	FX- Small posts
510	Deck overlayed with edge-to-edge. Surface in good condition. 5" total depth.
515	PX - Some moderate section loss to bottom flange on #2 near mid-span for 3 ft. Also, on top of #3 near center for 3 ft. Some loss on N ends of #'s 1, 6, and 7 (mainly webs). Paint beginning to fail.
865	FX - Some moderate loss to bottom flange on #2 near mid-span for 3 ft. Also, on top of #3 near center for 3 ft. Some loss on N ends of #'s 1, 6, & 7 (mainly webs).
890	Good condition
963	FX - Loss not significant except on #2 girder. See items 107,165. 5% loss - minor.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 232

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **21079** Structure No.: 60N3400E0670003 Local ID:233 3 Suff. Rating: 97.7 ND Health Index : 97.5

IDENTIFICATION

Description:
3-50' DBL TEE SPANS
1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 6038C - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: MEHAN (N3400) _N 3400
9. Location: MEHAN RD & 68TH ST .3S
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 23.17
17. Longitude: 096 56 41.13
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/25/2015	7/25/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Tee Beam
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 3
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 7 Good
60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of Deck - 37.0' - 02/21/2006 - FL, 37.0, 12-09 * 7/23/11 FL 38.7 TOC 76' N of SE COR * 7/25/15- FL 39.0 TOD 75' N OF SE COR

AGE AND SERVICE

27. Year Built: 1985
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 43.0 55.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 26.0 33.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 7/23/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 3,897.5 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.0 ft
48. Length Maximum Span: 49.9 ft
49. Structure Length: 149.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 24.0 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $394,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $217,000
76. Lgth. of Improvment: 253.3 ft
96. Total Cost: $612,000
114. Future ADT: 80
97. Year of Cost Est.: 2009
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 1 Meets Standards
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 96
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers Yes
Drilled Shaft - No Footings
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
50 -1 -1
50 -1 -1
50 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 0.5
246. Overlay Date : 7/23/2011
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **21079** Structure No.: 60N3400E0670003 Local ID:233 3

Suff. Rating: 97.7
ND

Health Index :
97.5

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX - Exposed steel piles @ both abutments.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	3,597	0	0 %	3,597	100 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	1,449	1,449	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	5	0	0 %	5	100 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	4	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	52	52	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	299	296	99 %	3	1 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	2,697	0	0 %	2,697	100 %	0	0 %	0	0 %	0	0 %
818	1	Integral Abutment	(LF)	52	35	67 %	17	33 %	0	0 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
909	1	Pourable Fixed Joint Seal	(LF)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	330	330	100 %	0	0 %	0	0 %	0	0 %	0	0 %
958	1	Concrete Cracking	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
966	1	Exposed Abutment Piling	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Moderate soil @ curbs. FX - Crack over bent #2, full width. -- 2 in. overlay. 7/25/15- 1/2 inch gravel on deck
109	No Notable Problems.
202	PX - 5 piles exposed. 4 at south abutment, 1 at north abutment - Rusty.
205	Erosion at base pile
234	< none >
330	< none >
510	FX - Moderate soil @ curbs. FX - Crack over bent #2, full width. -- 2 in. asphalt overlay. 7/25/15- 1/2 inch on 95% of deck
818	FX- Minor surface defects
859	FX - No Notable Problems. Due to deck
909	< none >
919	
958	FX - Concrete Cracking. Deck cracks (photo)
961	FX - Scour beginning at base concrete pile at piers.
966	PX - Piles exposed @ both abutments.
968	FX- Exposed pile at each abutment and base of concrete pier

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking West

Circle # 233

Picture 3 – South Abutment

Picture 4 – Under Bridge North

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00969** Structure No.: 60N3400E0730001 Local ID:234 3 Suff. Rating: 52.1 FO Health Index : 67.0

IDENTIFICATION

Description:
59' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3400 - 0
6. Feature Intersected: SAND CREEK
7. Facility Carried: MEHAN RD. (N3400) _
9. Location: MEHAN RD & 140TH ST .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 22.44 17. Longitude: 096 56 43.05
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/25/2015	7/25/2017
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Red Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 5 Steel Plate
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 21.5' - 03/07/2006 - FL, 21.5', 10-09. * 7/8/11 FL 18.5 TOD at NW WING * 07/05/2013 * 7/25/15- FL 18.9 TOD AT NW COR

AGE AND SERVICE

27. Year Built: 1985 106. Year Reconstructed: 1999
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 75 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 23.0 29.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 17.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/22/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 1,075.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 17.6 ft
48. Length Maximum Span: 57.1 ft 49. Structure Length: 59.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 17.6 ft 52. Width Out to Out: 18.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $241,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $132,000 76. Lgth. of Improvment: 154.6 ft
96. Total Cost: $383,000 114. Future ADT: 120
97. Year of Cost Est.: 2009 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 79
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 8501
227. Paint Coloring: Red
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 31.0 / -1
244. Span Lengths :
59 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 3.0
246. Overlay Date : 8/22/2011
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00969** Structure No.: 60N3400E0730001 Local ID:234 3

Suff. Rating: 52.1 FO

Health Index : 67.0

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* New Deck, 1999, corrugated metal with 3 in. asphalt overlay. Very rought on top *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
30	1	Steel Deck - Corrugated/Orthotropic/Etc.	(SF)	1,040	0	0 %	1,040	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	472	0	0 %	472	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	24	0	0 %	12	50 %	12	50 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	36	18	50 %	18	50 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	36	0	0 %	36	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	118	0	0 %	112	95 %	6	5 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,504	0	0 %	0	0 %	3,504	100 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	900	0	0 %	900	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	129	0	0 %	129	100 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
30	FX - North 3 to 4 feet of overlay is breaking w/impending pothole (photo). Feels like decking is loose from girder & vibrates when loaded. * Appears to Be Corrigated Steel Deck with 3 in. Asphalt Overlay. Installed 1999. * Deck braking up all over.
107	FX-Rust on top and bottom flanges.
202	PX- 14 pile at wings. Rusty-pitting at the waterline north abutment
219	FX-All new 12 gauge sheeting has been installed on north abutment [1999?] & each north wing behind existing sheeting. PX- Base abutment north end beginning to fail, water standing. PX- Add fill and protection at north abutment and wiongs to result in new flowline midways between both abutments
231	FX-Rusty.
330	FX-Heavy rust on 12 foot area on east. --- Low Rail.
515	FX- Rust on top and bottom flanges. Paint peeling
918	FX- Coating on abutments and wings fading
919	FX- Failing.
961	PX- Scour at west end of north abutment can be stopped by moving 3' of fll from midway between both abutments to create a new protected midway location for the flowline
968	Erosion base west end north abutment (PHOTO)

Picture 1 – Roadway Looking South

Picture 2 – Deck

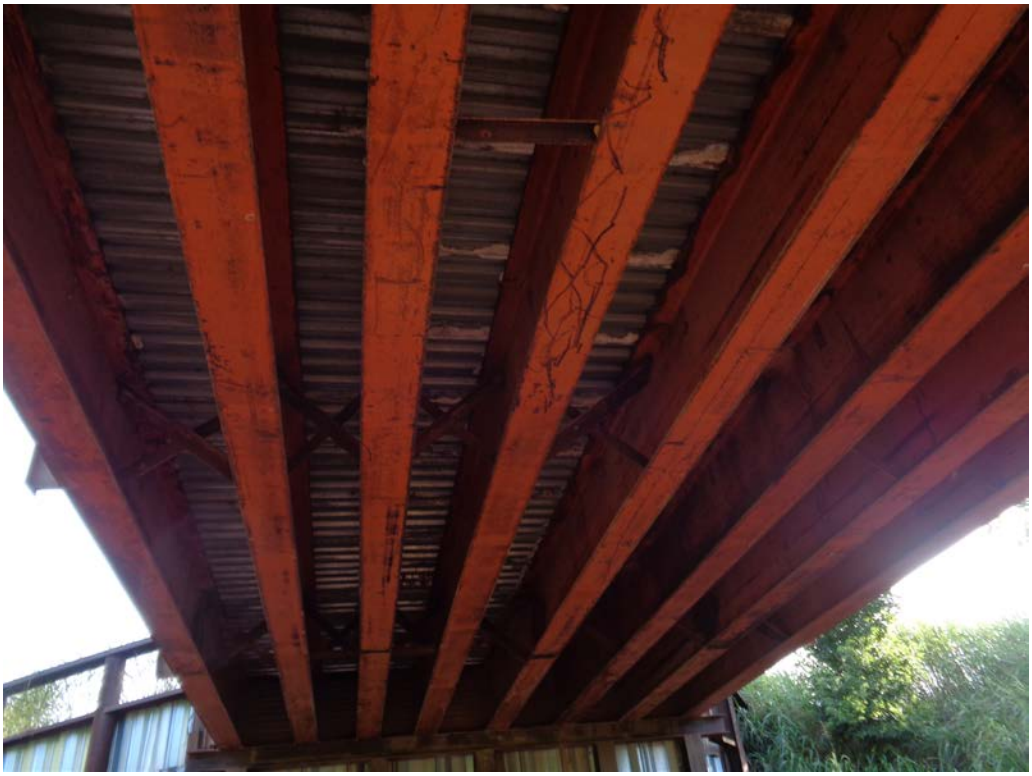
Circle # 234

Picture 3 – Sideview Looking East

Picture 4 – South Abutment

Picture 5 – North Abutment

Picture 6 – Girders



Picture 7 – Base North Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30027** Structure No.: 60N3410E0640008 Local ID:234A 1

Suff. Rating: 91.5 ND

Health Index : 67.1

IDENTIFICATION

Description:
29.4 FT. I BEAM SPAN 26' RDY

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3410 - 0
6. Feature Intersected: CREEK
7. Facility Carried: N3410 (ROSE RD) N3410 (ROSE RD)
9. Location: 2.8S, 1W OF SH51/SH108
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 40.00
17. Longitude: 096 55 35.00
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/5/2013	11/5/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 7 Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

FL, 12.9 ft. F/Top W deck, 0.0 water. 2011 * 11-13 FL 13.0 TOD 13' N of SE COR

AGE AND SERVICE

27. Year Built: 2013
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 29.6 47.3 0.0
66. Inventory Rating (H / HS / 3-3) : 17.7 28.4 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 2/18/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.0 ft
Deck Area: 775. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.0 ft
48. Length Maximum Span: 28.0 ft
49. Structure Length: 29.8 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.0 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 160
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 60
200d. Weather: RAINING/SNOWING
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30027** Structure No.: 60N3410E0640008 Local ID:234A 1

Suff. Rating: 91.5 ND

Health Index : 67.1

Inspection Date:	11/5/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

*OVERALL RATING CALCULATED AT 80% [2011].
*9 beams, 3'-2" avg. spacing. 2 braces @ 1/3 points.

Force Account construction.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	745	745	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	175	0	0 %	175	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	60	60	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	80	89 %	10	11 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	New deck, V.lite gravel over part.
107	FX-Older beams, Lite rust has formed. - Sctd. areas of Mod-Hvy. rust near ends.
202	FX-Lite rust forming or has formed. 8 Pile at wings.
219	FX-Scattered lite rust forming or has formed.
231	FX-Lite rust forming or has formed.
330	Galvanized flex-beam with widely scattered rust spots. Posts appear weak.
515	Failing
690	Steel SIP forms. Spotted rust thru-out.
765	FX-Older beams, - Surface rust has formed & [lite pitting?]. Mod to Hvy. rust W/Mod. Pitting.
919	Small areas failing.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	1.0	4.0	11.0	14.0	17.0	23.0	29.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		9.2	9.1	12.9	12.9	12.9	11.5	7.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Wtr. Edge	Flowline	Wtr. Edge	Slope Ch.	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking west

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26184** Structure No.: 60N3420E0580002 Local ID:235 1 Suff. Rating: 85.7 ND Health Index : 66.9

IDENTIFICATION

Description:
40' I-BEAM SPAN, SK60RF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3420 - 0
6. Feature Intersected: CREEK
7. Facility Carried: RIPLEY RD(N3420) _RIPLEY RD.
9. Location: RIPLEY RD\RICHMOND.2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 10 19.29 17. Longitude: 096 54 28.31
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/5/2013	11/5/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
Flowline to top of deck - 11.3' - 11/17/2009. - 11-2011 2013, FL 11.3,0.0 Water TOD 22' of SE COR.

AGE AND SERVICE

27. Year Built: 2000 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 30.0 41.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 18.0 24.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 9/19/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 23.0 ft
Deck Area: 1,024. sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.2 ft
48. Length Maximum Span: 38.8 ft 49. Structure Length: 39.7 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.2 ft 52. Width Out to Out: 25.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $196,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $108,000 76. Lgth. of Improvment: 125.8 ft
96. Total Cost: $311,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 56
200d. Weather: RAINING/SNOWING
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 37.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26184** Structure No.: 60N3420E0580002 Local ID:235 1

Suff. Rating: 85.7 ND

Health Index : 66.9

Inspection Date:	11/5/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

9 beams.

FX - Debris upstream.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,000	1,000	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	266	0	0 %	266	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	20	0	0 %	20	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	62	0	0 %	62	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	62	0	0 %	62	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	89	0	0 %	80	90 %	9	10 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Notable Problems. Lite Soil-Gravel @ rails, 10%.
107	FX - Lite to Moderate Rust with minor pitting. - Bare Areas, Freckling, Chalking, Exterior beams Worst.
202	FX - 4 @ North Abut have Light scaling at ground line. - Lite surface has formed.
219	FX - Light scaling at ground line @ North Abut., 1 ft. height. --- Lite-Mod Rsut on Surface.
231	FX - Lite to Moderate surface rust has formed on Caps.
330	Glav. Flexbeam. Rail is short of Std. height, single rail, Not Nested.
515	
690	Freckling and rusty spots
765	FX - Lite to Moderate Rust with minor pitting.
919	Railing coating
965	FX - Drift in channel near SE corner

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	10.0	18.0	29.0	33.0	38.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		5.2	10.9	11.3	11.0	9.6	7.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Flowline	Slope Ch.	_	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking east

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27319** Structure No.: 60N3420E0580009 Local ID:236 1 Suff. Rating: 95.0 ND Health Index : 100.0

IDENTIFICATION

Description:
95' PC BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3420 - 0
6. Feature Intersected: COUNCIL CREEK
7. Facility Carried: RIPLEY RD.(N3420) _RIPLEY RD.
9. Location: RIPLEY RD\RICHMOND .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 44.72 17. Longitude: 096 54 28.62
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/5/2013	11/5/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 08 Rural min Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 8 Very Good 59. Super.: 8 Very Good 60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 8 Protected
Flowline Notes:
11/17/2009 - Flowline to deck top = 23.0'. - FL, 25.6, 0.5 water, 11-2011.. * 11-13 FL 45' N of SE COR

AGE AND SERVICE

27. Year Built: 2004 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 96.0 100.0 0.0
66. Inventory Rating (H / HS / 3-3) : 57.0 67.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 11/25/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 224.0 ft
Deck Area: 2,769. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.8 ft
48. Length Maximum Span: 95.0 ft 49. Structure Length: 97.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.8 ft 52. Width Out to Out: 28.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $553,252 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $304,289 76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $878,980 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 58
200d. Weather: RAINING/SNOWING
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27319** Structure No.: 60N3420E0580009 Local ID:236 1

Suff. Rating: 95.0 ND

Health Index : 100.0

Inspection Date:	11/5/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 PC Beams.

Good RIP-RAP

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,613	2,613	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	340	340	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	57	57	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	195	193	99 %	2	1 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Lite soil-gravel on deck. 96% bare. FX- gravel is pushed to deck edges under rails.
109	No Notable Problems.
215	No Visible Problems.
310	No Notable Problems. - [Thick, 3 inch Pads.]
331	Surface Defects. Hairline Vertical Cracking, Scattered.
659	Conventional Forming, Open Soffit.
719	NNP
916	No Notable Problems. Lock Nuts @ all bolts.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.0	24.0	31.0	39.0	45.0	59.0	71.0	80.0	94.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.0	20.0	20.2	25.1	25.6	24.1	17.6	17.4	10.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Slope Ch.	Flowline	Slope Ch.	_	_	Abutment	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking east

Picture 3 – North abutment

Picture 4 – South abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01887** Structure No.: 60N3420E0720003 Local ID:237 1

Suff. Rating: 17.8 SD

Health Index : 26.3

IDENTIFICATION

Description:
78' PONY TRUSS SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3420 - 0
6. Feature Intersected: BRUSH CREEK
7. Facility Carried: RIPLEY RD. RIPLEY RD
9. Location: RIPLEY RD\9TH ST .3S
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 56.10
17. Longitude: 096 54 34.68
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		N	24	3/29/2011	3/29/2013
FC Freq.:	Y	N	24	**3/29/2011**	**3/29/2013**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	Y	24	**3/14/2012**	**3/14/2014**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Truss-Thru
44. Approach Span Material and Design Type
Unknown (NBI) Unknown (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 4 Poor
59. Super.: 3 Serious
60. Sub.: 4 Poor
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 4 Protection Underminec

Flowline Notes:

12/17/2006 - Flowline to curb top = 21.0' poor channel profile * 2/4/03 - Flowline to curb top = 21.6' * 5/11/04 - Flowline to curb top = 21.2' * 3-29-2011 - FL TO TOD = 23.5 ' *

AGE AND SERVICE

27. Year Built: 1927
106. Year Reconstructed: -4
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 125
30. Year of ADT: 2010
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 2 M 13.5 (H 15)
41. Posting status: P Posted for load
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 21.3 27.0 37.5
66. Inventory Rating (H / HS / 3-3) : 7.3 9.3 12.9
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 4 0.1-9.9%below
Date Rated : 3/12/2009

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,313.2 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 15.8 ft
48. Length Maximum Span: 76.0 ft
49. Structure Length: 78.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 15.8 ft
52. Width Out to Out: 16.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	-1	-1	-1	-1	-1	-1

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $140,000
75. Type of Work: 31 Repl-Load Capacit
95. Roadway Cost: $77,000
76. Lgth. of Improvment: 179.3 ft
96. Total Cost: $225,000
114. Future ADT: 200
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2030

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: Not Applicable (P)
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 75
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 101010
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : NO
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
78 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 2.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : Pony
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01887** Structure No.: 60N3420E0720003 Local ID:237 1

Suff. Rating: 17.8 SD

Health Index : 26.3

Inspection Date:	3/14/2012	Reported By:	AFINLEY
Invoice No.:	10055-04	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

*3/14/2012 - Other special inspection performed. 1 timber pile now visible at N. abutment, undermining near pile approximately 2.5'. No measurable change to low chord section loss at time of other special inspection. *

Channel profile was preformed due to undermining of the North Abutment.oil and gravel is packed between gusset plates of the lower chord and could not be removed by hand during the inspection.
Other Special items include; holes through channel of lower chord; scour along north bank; undermining at north abutment. 2/27/12: County sent photos verifying 10-ton load posting at bridge; data updated accordingly.

Additional Elements

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	0	19.5	34.8	53.0	71.3	71.4	74.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.6	18.8	20.8	23.5	22.6	20.3	18.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Wtr. Edge	Flowline	Wtr. Edge	Other	Abutment	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23612** Structure No.: 60N3430E0530000 Local ID:238 1 Suff. Rating: 89.0 ND Health Index : 44.9

IDENTIFICATION

Description:
38' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3430 - 0
6. Feature Intersected: CAMP CREEK
7. Facility Carried: BETHEL RD.(N3430) _BETHEL RD.
9. Location: BETHELRD\NOBLE RD INTR 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 14 46.61 17. Longitude: 096 53 24.40
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/8/2013	11/8/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

Flowline to top of deck - 17.8' - 03/13/2006. - FL, 17.8, 12-09.
FL, 16.7, 0.0 water, 11-2011. FL 16.8 TOD 30' N of SE COR

AGE AND SERVICE

27. Year Built: 1993 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 6.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 43.0 60.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 37.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 7/19/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 762. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.3 ft
48. Length Maximum Span: 38.1 ft 49. Structure Length: 38.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 19.3 ft 52. Width Out to Out: 20.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $191,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $105,000 76. Lgth. of Improvment: 122.5 ft
96. Total Cost: $303,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 5 Above Tolerable
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 70
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 26.0 / -1
244. Span Lengths :
38 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 20.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23612** Structure No.: 60N3430E0530000 Local ID:238 1

Suff. Rating: 89.0 ND

Health Index : 44.9

Inspection Date:	11/8/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

9 beams, center beam 3 inches smaller than others.

PX - Str. Needs corner Markers, --- Structure situated on Curve.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	735	662	90 %	73	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	253	0	0 %	0	0 %	253	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	24	12	50 %	0	0 %	12	50 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	39	0	0 %	39	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	42	0	0 %	42	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	75	0	0 %	75	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	0	0 %	90	100 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	-- Sctd.lite gravel on deck. - 1 Small Transv. Crack on S. 1/4 of deck
107	PX-Moderate to Heavy surface rust with light pitting. [NOTE - Center beam 3 inches smaller than other 8.]
202	FX - Light to moderate exfoliation at bottom of all piles. Up to 25% on SW @ south abutment. - 'H' Beam piles, Lite pitting on 2 E.@ S.Abut.
219	FX-Sctd. Lite exfoliation at ground line on north abutment & some seam areas on south abutment. Light pitting overall.
231	FX-Lite to Moderate surface rust with scaling @ ends.
330	FX-Minor deterioration overall. Rail 'weak' with only 5 posts. - No End Sections. No Notable damage.
363	FX - Exfoliation noted on Steel Piles & steel abutment. Minor
690	Steel Stay In Place forms have some rusting started. Freckling Thru-out.
765	PX-Moderate to Heavy surface rust with Light to Moderate pitting, scattered.
919	Galvanized Flex-Beam Rails

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	7.0	19.0	29.0	37.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.5	12.8	15.7	16.7	16.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Slope Ch.	Flowline	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00735** Structure No.: 60N3430E0580009 Local ID:239 1 Suff. Rating: 51.0 SD Health Index : 35.0

IDENTIFICATION

Description:
24' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3430 - 0
6. Feature Intersected: CREEK
7. Facility Carried: BETHEL RD.(N3430) N3430_
9. Location: BETHEL RD\RICHMOND .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 42.59 17. Longitude: 096 53 24.51
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/21/2013	10/21/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 4 Poor 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 8.1' - 11/17/2009. - FL, 8.7, 0.0 Water, 11-2011. * 10-13 FL 8.5 TOD 16' N of SE COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 13.7 24.6 -1.1
66. Inventory Rating (H / HS / 3-3) : 8.2 14.8 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below Date Rated : 9/19/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.0 ft
Deck Area: 434.4 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.1 ft
48. Length Maximum Span: 21.0 ft 49. Structure Length: 24.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.1 ft 52. Width Out to Out: 18.1 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000 76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 63
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: P
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 131313
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 24.0 / -1
244. Span Lengths :
24 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 9/19/2012
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00735** Structure No.: 60N3430E0580009 Local ID:239 1

Suff. Rating: 51.0 SD

Health Index : 35.0

Inspection Date:	10/21/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

9 beams. Built 1920?

PX - west rail is missing. East is Handrail only.
PX - Structure needs Corner markers, Advance Narrow Bridge Signs & LOAD RATING Signs. Erosion beggining behind abutment SW COR

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	434	0	0 %	0	0 %	434	100 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	217	0	0 %	0	0 %	217	100 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	36	0	0 %	36	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	25	0	0 %	25	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	200	200	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	PX - Surface wear, small hole @ SW corner. -- New runners, 2011. FX-Partial 2" dirt overlay.
107	PX-Surface Rust with moderate pitting. - Heavy Pitting @ Top Flanges, Exterior beams Worst.
215	Light scaling overall. -- Embedded Channel Iron Bearing.
330	PX - West rail is missing, other damage.
363	FX - Hvy Pitting @ top flanges of Exterior Beams
510	FX - Surface wear, small hole @ SW corner. -- New runners, 2011. 50% covered

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	9.0	15.0	17.0	23.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		3.5	8.6	8.7	8.0	3.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Flowline	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – North weight limit sign

Picture 3 – South weight limit sign

Picture 4 – Side view looking south

Picture 5 – South abutment

Picture 6 – North abutment

Picture 7 – Girders

Picture 8 – Erosions southwest corner

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20500** Structure No.: 60N3430E0590006 Local ID:240 1 Suff. Rating: 98.0 ND Health Index : 78.1

IDENTIFICATION

Description:
80' PC BEAM SPAN, SK60LF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3430 - 0
6. Feature Intersected: COUNCIL CREEK
7. Facility Carried: N3430 _BETHEL RD.
9. Location: BETHEL RD\AIRPORT RD.6S 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 05.63 17. Longitude: 096 53 25.35
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/21/2013	10/21/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 8 Very Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 21.1' - 11/17/09. - FL, 24.0, 0.0 Water, 11-2011. * 10-13 FL 38' N of SE COR

AGE AND SERVICE

27. Year Built: 1983 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 89.9 103.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 54.0 61.9 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads Date Rated : 11/7/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 2,303.5 sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.0 ft
48. Length Maximum Span: 80.0 ft 49. Structure Length: 83.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.0 ft 52. Width Out to Out: 27.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $288,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $159,000 76. Lgth. of Improvment: 185.2 ft
96. Total Cost: $460,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 61
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Elastomeric Sheet Type Strip Seal
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
80 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20500** Structure No.: 60N3430E0590006 Local ID:240 1

Suff. Rating: 98.0 ND

Health Index : 78.1

Inspection Date:	10/21/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

Built 1983. No Rip-rap under. 4 PC Beams.

FX - Both abutments are being undermined with piling exposed.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,314	0	0 %	2,314	100 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	291	291	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	6	0	0 %	6	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	66	0	0 %	66	100 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	167	167	100 %	0	0 %	0	0 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	4	50 %	4	50 %	0	0 %	0	0 %	0	0 %
966	1	Exposed Abutment Piling	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Lite gravel-soil @ rails. - FX - Utility [2 in. pipe] @ West gutter-line holding Soil & water on Deck.
109	Embedded anchor Plates [@ bearings] Showing surface rust.
202	FX - Steel piles [2 @ South, 4 @ North] exposed @ abuts.
215	FX - Soil Consolitation-Undermining @ both abutments with piling exposed. -- Seepage @ South Backwall. - Debris on South Br. seat, Remove. - Lite Staining on concrete Abut.
310	Some light rusting on steel plates and anchors. -- NVP, [Thin Pads, 1 inch.]
331	Surface Defects, Scrapes, popouts.
361	FX - Undermining of both abutments. No Rip-Rap on Slopes under. - Could be Soil consolidation or Erosion.
659	No Visible Problems.
719	NNP - Embedded Anchor Plates [@ bearings] showing surface rust.
916	Exterior Plates have Surface rust.
966	PX - Steel piles [4 @ N, 2 @ S.] exposed @ abuts.
968	FX - Erosion at S.W. bank. See Photo.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.0	9.0	18.0	25.0	40.0	50.0	64.0	73.0	79.0	79.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		9.8	11.7	18.6	23.1	24.0	23.3	18.1	14.1	10.6	10.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Slope Ch.	Flowline	Slope Ch.	_	_	_	Abutment	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Side view looking east

Picture 3 – South abutment

Picture 4 – North abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23599** Structure No.: 60N3430E0610002 Local ID:241 1 Suff. Rating: 97.0 ND Health Index : 61.3

IDENTIFICATION

Description:
31' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3430 - 0
6. Feature Intersected: CREEK
7. Facility Carried: BETHEL RD.(N3430) _BETHEL RD.
9. Location: BETHEL RD\MCELROY .2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 44.49 17. Longitude: 096 53 25.60
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/21/2013	10/21/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

Flowline to top deck- 18.0' -11/29/09. - FL, 18.2,0.0, Water, 11-2011. 10-13 FL 18.4 TOD 16' N of SE COR

AGE AND SERVICE

27. Year Built: 1994 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 42.0 67.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 40.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 9/19/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 819. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.3 ft
48. Length Maximum Span: 30.3 ft 49. Structure Length: 31.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.3 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $171,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $94,000 76. Lgth. of Improvment: 109.6 ft
96. Total Cost: $270,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 58
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 40.0 / -1
244. Span Lengths :
31 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23599** Structure No.: 60N3430E0610002 Local ID:241 1

Suff. Rating: 97.0 ND

Health Index : 61.3

Inspection Date:	10/21/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 Beams.

* PX - needs all corner markers. --- Rail has no end Sections. House hold trash under bridge.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	797	0	0 %	797	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	168	0	0 %	168	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	22	0	0 %	22	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	40	77 %	12	23 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	46	88 %	6	12 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	62	0	0 %	62	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Lite soil-gravel on deck @ rails, 30%. Transverse cracking.
107	FX-Rust with minor scaling & Lite pitting of bottom flange, 5 of 8 beams.
202	FX-Scattered Light scaling at ground line, 4 of 10 piles.12 piles at wings.
219	FX-Rust with minor scaling at grade line. -- S.abut. has scattered Exfol. @ groundline.
231	Minor rustis forming or has formed. Rusty @ W 1/2 of S.Cap.
330	FX-Minor bend on top of east rail from tree falling. --- Wide post Spacing, No End Sections.
358	2 lite transverse cracks visible.
515	Rust with minor scaling & Lite pitting of bottom flange, 5 of 8 beams.
690	Steel S.I.P. forms in good condition.
765	FX-Rust with Lite scaling & Lite Pitting of bottom flanges.
919	Galvanized Rails

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	6.0	14.0	22.0	30.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		15.8	18.0	18.2	18.0	16.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Flowline	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Side view looking east

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and SIP forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04805** Structure No.: 60N3430E0730008 Local ID:242 1 Suff. Rating: 41.5 SD Health Index : 85.3

IDENTIFICATION

Description:
30' CONC GIRDER SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3430 - 0
6. Feature Intersected: BRUSH CR.TRIB.
7. Facility Carried: ESECO N 3430 ESECO
9. Location: ESECO\PAROTTE .8S 11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 42.44 17. Longitude: 096 53 29.81
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	12	9/25/2014	9/25/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 6 Satisfactory 60. Sub.: 3 Serious
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 3 Bank Prot Failed
Flowline Notes:

112/17/2006- Flowline to curb top = 19.9' poor channel profile
FL, 20.0', 10-09. FL, 20.5, 11-2010.- FL, 20.0F/top W. curb.
FL, 20.0, 0.0 water, 10-2012 * 11-13 FL 20.0' TOC 17' N of SW COR

AGE AND SERVICE

27. Year Built: 1936 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 100 30. Year of ADT: 2014 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: P Posted for load
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 32.0 57.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 23.0 42.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 3 10.0-19.9%below Date Rated : 5/10/1996

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 549. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 16.1 ft
48. Length Maximum Span: 0.0 ft 49. Structure Length: 29.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 16.1 ft 52. Width Out to Out: 18.5 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000 76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2034

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 3 Intolerable - Correct 68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 5 Above Tolerable
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 81
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 202020
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 5/10/1996
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04805** Structure No.: 60N3430E0730008 Local ID:242 1

Suff. Rating: 41.5 SD

Health Index : 85.3

Inspection Date:	9/25/2014	Reported By:	GWATKINS
Invoice No.:	60-110	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

12 MONTH FREQUENCY DUE TO SCOUR.
Structure in satisfactory shape for age --something needs to be done about the Scour with undermining along the south abutment to keep it in good shape.

PX - Long term Stream Degredataion has led to Scour @ S.Abut. 3 Ft. & 1 ft. undermining. Photos. FX-Deck has no corner markers

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	553	0	0 %	553	100 %	0	0 %	0	0 %	0	0 %
110	1	Reinforced Conc Open Girder/Beam	(LF)	151	140	93 %	11	7 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	39	6	15 %	29	75 %	4	10 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	59	0	0 %	59	100 %	0	0 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	553	0	0 %	553	100 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	fx- Moderate scaling with some traffic damage. Some minor spalls. Lite scattered gravel on deck, 100% coverage with 1" *9/25/14 tall weeds hide unmarked rail ends
110	Minor vertical spalls on outer face of west girder.
215	PX-Moderate scaling at bottom of south abutment. Lots of rubble in footing [footing exposed]. No cracking noted this inspection [2012]. Some moderate pop-outs on north abut. - SW corner of footing exposed & undermined 1.0 ft.
330	FX-Heavy surface rust only. -- Steel pipe Handrail on tall Curbs[17"]. - Scattered bent areas.
361	PX - N.E. & S.W corners of abutment footings exposed with several areas of initial undermining started, South worst, 1.0 ft. undermining. -- SW has 3 ft. of scour below top of footing. Needs protection soon at each abutment. PX- Erosion along SW and NE wings.
510	Loose gravel
659	A few small spalls noted near west girder at south end, NE area. Less than 2%.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	2.0	0	0	17.0	26.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		17.0	0	0	19.3	18.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	-	-	Flowline	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – South weight limit sign

Picture 3 – North weight limit sign

Picture 4 – Sideview looking west

Picture 5 – South abutment

Picture 6 – North abutment

Picture 7 – Base north Abutment

Picture 8 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00967** Structure No.: 60N3440E0600003 Local ID:244 1 Suff. Rating: 38.9 SD Health Index : 53.7

IDENTIFICATION

Description:
50' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3440 - 0
6. Feature Intersected: FEATHER CREEK
7. Facility Carried: COUNCIL CREEK(N3 _COUNCIL CREEK RD.
9. Location: CNCLCRK \LAKEVIEW .3S 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 08 28.21 17. Longitude: 096 52 22.18
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/21/2013	10/21/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 20.8' - 11/29/07. - FL, 21.3, 1.1 Water,
, 11-2011. * 10-13 FL 25' N of SE COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: 1970
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 9.0 11.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 5.0 6.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below Date Rated : 11/8/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.0 ft
Deck Area: 898.2 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.0 ft
48. Length Maximum Span: 49.0 ft 49. Structure Length: 49.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft 52. Width Out to Out: 18.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $220,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $121,000 76. Lgth. of Improvment: 141.3 ft
96. Total Cost: $350,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 61
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 090909
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00967** Structure No.: 60N3440E0600003 Local ID:244 1

Suff. Rating: 38.9 SD

Health Index : 53.7

Inspection Date:	10/21/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

6 beams.

Beams breaking away from abutments. Timber wings.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	898	0	0 %	898	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	299	0	0 %	191	64 %	108	36 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	13	0	0 %	0	0 %	13	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	36	0	0 %	17	47 %	16	44 %	3	8 %	0	0 %
231	1	Steel Pier Cap	(LF)	36	0	0 %	36	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	98	0	0 %	88	90 %	10	10 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX-Up to 2 inches of soil between & outside runners. - Runners have Heavy Wear. FX-Deck corners are unmarked.
107	FX-Some minor exfoliation & pitting on top of outer girders and to lower flanges at abutment seats. Heavy surface rust on other exposed areas. None serious. Pitting on top flanges of all beams.
202	PX-Lite to moderate surface rust overall with Lite scaling @ groundline, N.Abut. S.Piles embedded into Conc. footing. -- Some initial pitting started. Piles are filled with concrete. 3 piles at wings
216	FX - Heavy decay near bottom of north abutment.
231	FX-Some light to moderate loss to plate on top of channel beam caps. Heavy surface rust @ interior beams where dirty. Cap Ends have less rust.
330	FX-Light damage near midspan on east rail. Heavy surface rust overall. --- Handrail Only. -- SW 10 ft. of rail destroyed.
363	FX-Minor on girders.
515	Some minor exfoliation & pitting on top of outer girders and to lower flanges at abutment seats. Heavy surface rust on other exposed areas. None serious. Pitting on top flanges of all beams. Paint failing.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	11.0	18.0	22.0	30.0	39.0	50.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.2	17.0	20.3	21.4	21.3	17.4	9.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		_	_	Wtr. Edge	Flowline	Flowline	_	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – South weight limit sign

Picture 3 – Rail southeast corner

Picture 4 – North weight limit sign

Picture 5 – Side view looking east

Picture 6 – South abutment

Picture 7 – South abutment

Picture 8 – North abutment

Picture 9 – Girders

Picture 10 – East bank

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29543** Structure No.: 60N3440E0610008 Local ID:245 1

Suff. Rating: 65.4 ND

Health Index : 72.1

IDENTIFICATION

Description:
140' THRU TRUSS

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3440 - 0
6. Feature Intersected: COUNCIL CREEK
7. Facility Carried: N3440 N3440
9. Location: 6W 0.25N JCT SH51/SH18
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 11.67
17. Longitude: 096 52 20.68
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/21/2013	10/21/2015
FC Freq.:	Y	N	24	**10/31/2011**	**10/31/2013**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	N	24	**7/17/2010**	**10/31/2012**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Truss-Thru
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 0 None
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 9 Excellent
59. Super.: 5 Fair
60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 5 Bank Prot Eroded

Flowline Notes:
24'-6" from bridge to top of water level. 26'-1" from bridge to bottom of channel.

AGE AND SERVICE

27. Year Built: 1936
106. Year Reconstructed: 2009
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 1.9 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: P Posted for load
63. Op. Rating Method: 3 LRFR -Tons
Alt. Op. Rating Meth.: 3 LRFR -Tons
64. Operating Rating (H / HS / 3-3): 20.6 32.6 54.0
66. Inventory Rating (H / HS / 3-3) : 15.4 24.5 41.7
65. Inv. Rating Method: 1 LF Load Factor-Ton
Alt. Inv. Rating Meth.: 1 LF Load Factor-Ton
70. Posting: 3 10.0-19.9%below
Date Rated : 3/8/2010

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 15.0 ft
32. Approach Roadway Width (W/ Shoulders): 28.0 ft
Deck Area: 3,587.4 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.3 ft
48. Length Maximum Span: 140.0 ft
49. Structure Length: 141.8 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.0 ft
52. Width Out to Out: 25.3 ft
53. Minimum Vertical Clearance Over Bridge: 15.0 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	1500	-1	-1	1500	-1	-1
Post.	-1	-1	-1	-1	-1	-1

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $466,587
75. Type of Work: Unknown (P)
95. Roadway Cost: $233,293
76. Lgth. of Improvment:
96. Total Cost: $746,539
114. Future ADT: 160
97. Year of Cost Est.: 2013
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: Not Applicable (P)
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 9 Above Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 52
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Open Joint - No Device
_
204. Type of Handrail: -1
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 202020
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Excellent
224. Critical Feature Type: 1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: _
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : Overhead
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29543** Structure No.: 60N3440E0610008 Local ID:245 1

Suff. Rating: 65.4 ND

Health Index : 72.1

Inspection Date:	10/21/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

This truss was dismantled and moved to this location in 2009 from 6018R1463SX (NBI#05032). Originally built in 1936.
O/S Inspection: Transverse welds on verticals, diagonals, and middle gusset plates; The bowing exterior gusset plates at U3 and U4 on both trusses; Areas of loss at end gusset plates; Welded railing connections; Riveted truss connections.
O/S inspection performed on 11-1-12 - No changes noted.

< none >

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	3,545	3,545	100 %	0	0 %	0	0 %	0	0 %	0	0 %
113	1	Steel Stringer/Floorbeam	(LF)	780	0	0 %	0	0 %	780	100 %	0	0 %	0	0 %
152	1	Steel Floor Beam	(LF)	200	0	0 %	0	0 %	200	100 %	0	0 %	0	0 %
162	1	Steel Gusset Plate	(EA)	72	0	0 %	0	0 %	72	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	12	0	0 %	0	0 %	12	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
304	1	Open Expansion Joint	(LF)	50	50	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
313	1	Fixed Bearing	(EA)	2	0	0 %	2	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	280	250	89 %	30	11 %	0	0 %	0	0 %	0	0 %
357	1	Pack Rust	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
362	1	Superstructure Traffic Impact	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	238	0	0 %	0	0 %	238	100 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
721	1	Steel Truss (Overhead)	(LF)	280	0	0 %	0	0 %	280	100 %	0	0 %	0	0 %
777	1	Steel Stringer End (5 Ft.)	(LF)	60	0	0 %	0	0 %	60	100 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	< none >
113	Surface corrosion along entire top flange; Top flanges are bent at the floor beams in isolated locations; numerous overcuts in stringer copes
152	Corrosion along entire top flange; pitting up 1/8-inch deep on the underside of the top flange of floor beam ends; floor beam 2 bottom flange is bent and warped at a couple locations; floor beam 3 has a section cut from the top flange between stringers 3 and 4
162	FX - Monitor welded gusset plates for cracks. All gusset plates have surface corrosion. Inside gusset plates at bottom nodes typically have areas of approximately 40% section loss along low chord channel.
202	wingwall piles are not load bearing
219	none
304	none
310	Bearing plates rest against wingwall piles
313	Corrosion reactivating at bearing area
330	Few cracked tack welds between members and railing.
357	Pack rust between interior gusset plates along the lower chord top flange at panel points; The end gusset plates have up to 1/4-inch section loss due to pack rust
362	L0U1, east truss has minor damage to interior channel bottom flange; L3M2 and L4U3 east truss and L3U4 west truss are bent out of plane; south portal bracing and sway bracing at panel point 1 have collision damage
363	FX - There is significant section loss to inside gusset plates along low chord, estimated to be approximately 40% along top edge of low chord channel (typical). Heavy pitting & moderate section loss are also typical in top flanges at floor beam ends for approximately 3'.
515	Surface corrosion along entire top flange; Top flanges are bent at the floor beams in isolated locations; numerous overcuts in stringer copes
659	Stay in place forms have no corrosion noted.
721	Active rust along lower chord at panel points; L1L2 west truss is bent to the east approximately 2-inches
777	Surface corrosion along top flange; overcuts in stringer copes
965	FX - Large amount of drift caught on steel pile under bridge.

Picture 1 – Roadway looking south

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **05553** Structure No.: 60N3450E0590007 Local ID:247 1 Suff. Rating: 38.9 SD Health Index : 0.0

IDENTIFICATION

Description:
20' I-BEAM SPAN (TEMP 1/2 PIPE)

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 6040C - 0
6. Feature Intersected: CREEK
7. Facility Carried: WESTPOINT RD(N34 _N 3450
9. Location: W.POINT\AIRPORT RD.7S
11. Mile Post: 2.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 08 57.38
17. Longitude: 096 51 17.44
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/19/2013	10/19/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory
59. Super.: 2 Critical
60. Sub.: 4 Poor
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Temporary pipe. 8 ft. steel pipe, 40 ft. length.

AGE AND SERVICE

27. Year Built: 1938
106. Year Reconstructed: 2003
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T

64. Operating Rating (H / HS / 3-3):	0.0	0.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	0.0	0.0	-1.1

65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/1/1901

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.0 ft
Deck Area: 398.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.5 ft
48. Length Maximum Span: 20.0 ft
49. Structure Length: 20.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 19.5 ft
52. Width Out to Out: 20.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $136,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 87.1 ft
96. Total Cost: $225,000
114. Future ADT: 160
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 45
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 29.0 / -1
244. Span Lengths :
20 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : Soil
246. Overlay Thickness : 4.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **05553** Structure No.: 60N3450E0590007 Local ID:247 1

Suff. Rating: 38.9 SD

Health Index : 0.0

Inspection Date:	10/19/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

* Temporary 8 foot steel tank, 40 ft. length *

* Structure has been replaced with an 8 foot steel tank, slightly squashed, 40 ft. length.
NO rails or markers. Pipe appears to be working well, No Visible signs of overtopping.
NOTE - West 15 ft. of pipe Invert has Heavy rust & Scaling. Holding water in this area. FX-ROadway has little protection from erosion at pipe.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	400	0	0 %	0	0 %	0	0 %	400	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	180	0	0 %	0	0 %	0	0 %	180	100 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	0	0 %	0	0 %	10	100 %	0	0 %
216	1	Timber Abutment	(LF)	39	0	0 %	0	0 %	0	0 %	39	100 %	0	0 %
231	1	Steel Pier Cap	(LF)	39	0	0 %	0	0 %	0	0 %	39	100 %	0	0 %
510	1	Wearing Surfaces	(SF)	400	400	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	NOTE, REPLACED [2003] WITH 8 FT. STEEL TANK, slightly squashed. 40 ft. length.
107	< none >
202	< none >
216	< none >
231	< none >
510	NOTE, REPLACED [2003] WITH 8 FT. STEEL TANK, slightly squashed. 40 ft. length.

Picture 1 – Roadway looking south

Picture 2 – Side view looking west

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30334** Structure No.: 60N3450E0630002 Local ID:248 1

Suff. Rating: 97.0 ND

Health Index : 69.8

IDENTIFICATION

Description:
56 FT I BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3450 - 0
6. Feature Intersected: CREEK
7. Facility Carried: N3450 N3450
9. Location: W. POINT RD, 19TH ST. .2S
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 56.49
17. Longitude: 096 51 18.00
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/19/2013	10/19/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 8 Very Good
59. Super.: 6 Satisfactory
60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:
FL, 19.3, 0.0 Water, Top E.Deck, 11-2011.

AGE AND SERVICE

27. Year Built: 2011
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	63.3	79.1	0.0
66. Inventory Rating (H / HS / 3-3) :	38.0	47.6	0.0

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 10/5/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,456.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 56.0 ft
49. Structure Length: 56.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 160
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 67
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : _
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30334** Structure No.: 60N3450E0630002 Local ID:248 1

Suff. Rating: 97.0 ND

Health Index : 69.8

Inspection Date:	10/19/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

_ 9 beams.
REPLACES NBI 00968.

FX - Erosion behind 3 of 4 wings. New const. [2-2011]

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,422	0	0 %	1,422	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	414	0	0 %	414	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	113	0	0 %	113	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Lite gravel scattered on deck. Lite Surface cracking found near rails.
107	FX-Scattered lite rust, 2 of 9 beams worse. Bare Bottom flanges. Scattered areas of Bare metal with surface rust.
202	FX-Lite Surface rust has formed on 5, Staining & Surface rust on 5.8 piles at wings
219	FX-Rust has formed or is forming on the uncoated metal.
231	Rust has formed or is forming on the uncoated metal.
330	FX-Galv. Flexbeam, Surface defects. 'Weak' Attachment. -- Height not to standards, Varies.
358	Hairline cracks, scattered near rails. Minor.
515	Scattered lite rust, 2 of 9 beams worse. Bare Bottom flanges. Scattered areas of Bare metal with surface rust. Fair paint.
690	Steel SIP forms. Freckling.
765	FX-Spotted areas of surface rust, bare metal.
919	Galvanized Rails
968	Minor behind wings.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	8.0	20.0	25.0	36.0	43.0	55.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.6	12.8	16.5	19.2	19.3	18.4	12.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Flowline	Flowline	_	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Side view looking west

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and SIP forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00732** Structure No.: 60N3460E0560001 Local ID:250 1 Suff. Rating: 25.1 SD Health Index : 30.0

IDENTIFICATION

Description:
27' I-BM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3460 - 0
6. Feature Intersected: SALT CREEK
7. Facility Carried: CLAY RD. CLAY RD.
9. Location: CLAY RD\YOST RD .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 12 04.55 17. Longitude: 096 50 11.32
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	6	9/22/2014	2/22/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 4 Poor 60. Sub.: 3 Serious
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
1/24/01 - Flowline to deck top = 10.1' * 1/2/2003 - Flowline to deck top = 11.1' poor channel profile *
FL, 11.0, 12-09. Fl, 11.0, 10-2010. FL, 10.0 @ top Deck, 11-2011.

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: -4
28A. Lanes on: 1 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2014 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 10.0 20.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 10.0 20.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below Date Rated : 9/19/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 419.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 15.7 ft
48. Length Maximum Span: 24.0 ft 49. Structure Length: 26.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 15.7 ft 52. Width Out to Out: 15.7 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $80,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $44,000 76. Lgth. of Improvment: 101.9 ft
96. Total Cost: $225,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2034

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 3 Intolerable - Correct 68. Deck Geometry: 8 Desirable Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 3 SC - Unstable

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 060606
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : M
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 37.0 / -1
244. Span Lengths :
27 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : Soil
246. Overlay Thickness : 3.0
246. Overlay Date : 9/19/2012
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00732** Structure No.: 60N3460E0560001 Local ID:250 1

Suff. Rating: 25.1 SD

Health Index : 30.0

Inspection Date:	9/22/2014	Reported By:	GWATKINS
Invoice No.:	60-110	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Appears to have had reconstruction or rehab during lifetime.
6 beams, 12 X 6.5", 3/8" flanges.

FX-Need corner markers, FX-Need vegetation removed from approaches, PX-Railing need replaced
PX - Erosion-Scour @ NW Corner needs attention.-- Strongly suggest Repair NW Corner or Replace ASAP. R.Cagle PE Very heavy truck traffic

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	420	0	0 %	420	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	161	0	0 %	0	0 %	161	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	16	0	0 %	0	0 %	16	100 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	16	0	0 %	0	0 %	12	75 %	4	25 %	0	0 %
231	1	Steel Pier Cap	(LF)	16	0	0 %	0	0 %	16	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	26	0	0 %	0	0 %	26	100 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	420	0	0 %	420	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX - Hole @ NW Corner.12 X 8". Moderate wear & splitting of runners. Grader damage @ SW corner of Deck. 3+ inches of gravel cover over all of Deck.
107	PX-Hvy. surface rust overall. Appears to be Heavy pitting on top flanges & @ extreme ends. 6 girders.
202	PX-Lite Sec.loss at bottom, ground line, Heavy surface rust. Lite to mod. surface rust overall.
216	PX - Sctd. decay noted along lower boards . South abutment is deteriorating quickly. North Abut. is masonry.
217	CX - Some Moderate to Hvy. mortar Loss along lower portion. -- Large open vert. crack close to west side, W. 1/3. --- Previous Conc.repairs undermined. --- NOTE - Conc. cap on N. masonry abut. [No Cracks] *9/22/14 WEST 4 OR 5 FEET OF NORTH ABUTNENT AT POINT OF FAILING. CX REMEDY PER POA DATEE
231	PX-Sctd. light pitting on top flange. Mod. to Heavy surface rust overall. - Double 'C' channel @ South Abut.
330	PX - East rail heavily damaged. Heavy surface rust overall. Handrail only! - West rail missing.
361	PX - Needs Action --- Erosion/scour along NW corner. Undermining noted along abutment and NW wing causing heavy cracking @ NW Cor., loss of support. *9/22/14 CX-CLOSE BRIDGE IMMEDIATELY DUE TO RECENT CHANGE IN N ABUT
363	FX-Minor to lite section loss at bottom of abutment piles & @ Cap.
510	FX - Hole @ NW Corner.12 X 8". Moderate wear & splitting of runners. Grader damage @ SW corner of Deck. 3+ inches of gravel cover over all of Deck.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	0	0	14.0	0	24.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		4.5	0	0	10.2	0	9.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	-	-	Flowline	-	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – North weight limit sign

Picture 3 – South weight limit sign

Picture 4 – South abutment

Picture 5 – North abutment

Picture 6 – West end North abutment

Picture 7 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24155** Structure No.: 60N3460E0600001 Local ID:251 1 Suff. Rating: 85.0 ND Health Index : 51.8

IDENTIFICATION

Description:
22' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3460 - 0
6. Feature Intersected: CREEK
7. Facility Carried: CLAY RD. (N3460) _N 3460
9. Location: CLAY RD\LAKEVIEW RD.1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 08 33.46 17. Longitude: 096 50 13.54
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/19/2013	10/19/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

Flowline to top of deck - 12.5' - 03/09/2006 - FL, 12.5, 12-09.
FL, 13.3, 0.5 water, 11-2011. FL 13.4 TOD 13' N of SE COR

AGE AND SERVICE

27. Year Built: 1996 106. Year Reconstructed: 2006
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 45.6 82.1 -1.1
66. Inventory Rating (H / HS / 3-3) : 27.3 49.2 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 1 30.0-39.9%below Date Rated : 9/19/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 572. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 21.0 ft 49. Structure Length: 22.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $143,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $78,000 76. Lgth. of Improvment: 91.6 ft
96. Total Cost: $225,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 39
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 212121
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 1.5 / 18
244. Span Lengths :
22 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 1.250
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24155** Structure No.: 60N3460E0600001 Local ID:251 1

Suff. Rating: 85.0 ND

Health Index : 51.8

Inspection Date:	10/19/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

18 beams.

New Concrete deck, 2006.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	558	558	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	192	0	0 %	0	0 %	192	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	46	88 %	6	12 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	44	0	0 %	44	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	160	0	0 %	0	0 %	160	100 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	New Conc. deck, 2006. -- 20% soil Gravel cover. 10-13 100% cover this date.
107	PX-Moderate to Heavy rust with pitting and scaling.
202	FX-Moderate to Heavy rust, Moderate scaling @ bottom of West 2 @ N.Abut. 8 piles at wings.
219	FX-Exfoliation started at ground line on each abutment. -- Backwall material is steel plate, used.
231	FX-Surface rust has formed on unpainted metal.
330	Only 3 posts, Attachment 'Weak'. Galv.Flexbeam.
358	Lite transverse cracks, scattered. 10-13 Not visable this date.
690	Stay in Place forms with new deck installed 2006. Freckling & small areas of surface rust.
765	PX-Same as beams. Moderate to Heavy Rust with Pitting & Scaling.
919	Galvanized Rails.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	1.0	9.0	12.0	20.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.1	12.7	13.2	13.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Wtr. Edge	Flowline	Abutment	_	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – North weight limit sign

Picture 3 – Side view looking west

Picture 4 – North abutment

Picture 5 – South abutment

Picture 6 – Girders and SIP forms

Picture 7 – South weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02055** Structure No.: 60N3460E0720005 Local ID:252 1

Suff. Rating: 56.9 ND

Health Index : 73.5

IDENTIFICATION

Description:
38' I-BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3460 - 0
6. Feature Intersected: ELM CREEK
7. Facility Carried: BRETHEREN BRETHEREN RD.
9. Location: BRETHEREN\9TH ST .5S
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 52.60
17. Longitude: 096 50 16.56
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1928
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 914.9 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.0 ft
48. Length Maximum Span: 38.1 ft
49. Structure Length: 43.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft
52. Width Out to Out: 21.3 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/29/2013	10/29/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

CONDITION

58. Deck: 6 Satisfactory
59. Super.: 6 Satisfactory
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

12/17/06 - Flowline to deck top = 15.7' poor channel profile * 2/4/03 - Flowline to deck top = 15.9' * 5/11/04 - Flowline to deck top = 16.5'
FL, 16.5', 10-09. - FL, 16.7-,0.0 water, 1102011. 10-13 FL 26' N of SE COR

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 21.0 30.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 12.6 18.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 4 0.1-9.9%below
Date Rated : 9/21/2012

PROPOSED IMPROVEMENTS

94. Bridge Cost: $203,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $112,000
76. Lgth. of Improvment: 130.6 ft
96. Total Cost: $323,000
114. Future ADT: 160
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 71
200d. Weather: RAINING/SNOWING
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : Pedestal
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 141414
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 57.0 / -1
244. Span Lengths :
38 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 26.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02055** Structure No.: 60N3460E0720005 Local ID:252 1

Suff. Rating: 56.9 ND

Health Index : 73.5

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

5 Beams.

FX - Needs vegetation cleared from approaches. Debris from Bridge Seats. Heavy Vines @ NE Corner.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	916	824	90 %	92	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	164	0	0 %	164	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	51	48	95 %	3	5 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	82	0	0 %	82	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	49	0	0 %	44	90 %	5	10 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Minor wear and spalls overall. Deck is about 20% covered with soil/gravel. - FX - Dirt & debris in gutters & on curbs.
107	FX-Minor defects on inner areas, Chalking, freckling, Paint scaling. Some heavy surface rust on outer girders along flanges.
215	Superficial surface weathering overall. Lite Debris on Br.Seat, Interior areas. FX - Heavy to Severe @ Exterior Girders, CleanOff.
331	FX-Concrete Post & Rail. Moderate Surface damage to each post.
358	PX-6 Lite to moderate transverse cracks at 6-8 ft intervals.
361	FX - North backwall is undermined @ West Conc. PILE with small cavity developing - monitor (see photo.)
363	FX - Lite Debris on Deck @ gutters & on curbs. Heavy debris on bridge seat @ exterior beams, covering flanges & Partial web @ all corners. Section loss beginning on girder ends outside girders.
515	Minor defects on inner areas, Chalking, freckling, Paint scaling. Some heavy surface rust on outer girders along flanges. Paint failed.
659	FX-5 transverse cracks with Leaching. - 3 small spalls noted, 1 with Exposed Rebar..
765	PX-Minor exfoliation at abutment seats to lower flanges of outer girders with heavy debris on Br.Seat @ Exterior Girders. -- Minor defects on inner areas, Chalking, Freckling.-- Some heavy surface rust on outer girders along flanges.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.0	15.0	24.0	30.0	40.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.7	14.0	16.0	16.6	16.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Flowline	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – North weight limit sign

Picture 3 – Concrete cracking

Picture 4 – Girder end southwest corner

Picture 5 – Sideview looking east

Picture 6 – South abutment

Picture 7 – North abutment

Picture 8 – Girders

Picture 9 – Base north abutment

Picture 10 – North weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01015** Structure No.: 60N3470E0570003 Local ID:253 1 Suff. Rating: 25.8 SD Health Index : 60.0

IDENTIFICATION

Description:
14'-51' I-BEAM SPANS
1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3470 - 0
6. Feature Intersected: SALT CREEK
7. Facility Carried: MT.VERNON RD.(N34 _
9. Location: MT.VERNON RD\VFW RD.3S
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 11 00.05
17. Longitude: 096 49 07.67
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	11/8/2013	11/8/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 2
46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

Flowline to top of deck - 15.5' - 11/27/2007. - FL, 15.5, 12-09.
FL, 13.8, .5 Water, 11-2011. 11-13 FL 39' N of SE COR

AGE AND SERVICE

27. Year Built: 1920
106. Year Reconstructed: 1960
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 6.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: B Posting Recommend
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 7.9 10.2 -1.1
66. Inventory Rating (H / HS / 3-3) : 4.7 6.2 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below
Date Rated : 9/21/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 1,027. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 15.5 ft
48. Length Maximum Span: 50.9 ft
49. Structure Length: 65.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 15.5 ft
52. Width Out to Out: 15.8 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $127,000
75. Type of Work: 31 Repl-Load Capacit
95. Roadway Cost: $70,000
76. Lgth. of Improvment: 162.6 ft
96. Total Cost: $225,000
114. Future ADT: 80
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 7 Above Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 50
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: 1 Pier _
No Piling or Drilled Shaft
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: RN
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : M
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Poor
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 37.0 / -1
244. Span Lengths :
14 -1 -1
51 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01015** Structure No.: 60N3470E0570003 Local ID:253 1

Suff. Rating: 25.8 SD

Health Index : 60.0

Inspection Date:	11/8/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

CX-Proper posting required at "7 Tons Weight Limit"

New deck, 2005 ------- One lane bridge. Low traffic. Bridge Just 0.10 mi. south closed.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	1,007	0	0 %	1,007	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	390	0	0 %	0	0 %	390	100 %	0	0 %	0	0 %
211	1	Other Material Pier Wall	(LF)	16	0	0 %	16	100 %	0	0 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	33	0	0 %	33	100 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	48	0	0 %	48	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	131	0	0 %	0	0 %	131	100 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX-Minor splits. New Deck, 2005. - Runners showing wear, Lite Gravel on ends [5 ft.]
107	PX-Section loss where beams are covered in dirt @ abuts. & pier. - Heavy Sec.loss @ top flanges, S.span, S. Span Worst. Extreme ends @ N.Abut.
211	FX - Stone separation, mortar cracking and mortar loss. - Has formed Concrete Cap, Satisfactory Condition.
217	FX-Old cracking and minor weathering. - Mortar loss & mortar cracking. Abuts. have formed concrete caps, Sat.Condition.
234	FX-Minor deterioration., Satisfactory condition.
330	PX - SW post loose. Some moderate damage left and right span 2. Moderate to Heavy surface rust overall. -- 'Handrail only.'
363	FX-Sec. Loss on Beams. Heavy [50%] on beams @ South span. - Mod.Sec.loss @ ends @ N.Span, N.Abut.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	13.0	16.0	27.0	30.0	40.0	53.0	62.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		7.2	8.3	10.7	10.6	12.6	13.8	13.2	10.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Pier	Pier	_	_	Flowline	Wtr. Edge	Abutment	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – North weight limit sign

Picture 3 – South weight limit sign

Picture 4 – Sideview looking west

Picture 5 – South abutment

Picture 6 – Section loss top of girder south span

Picture 7 – Top of pier wall

Picture 8 – Girders

Picture 9 – North abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00831** Structure No.: 60N3470E0570004 Local ID:254 1 Suff. Rating: 25.7 SD Health Index : 59.2

IDENTIFICATION

Description:
31' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3470 - 0
6. Feature Intersected: CREEK
7. Facility Carried: MT. VERNON RD. MT. VERNON RD
9. Location: MT.VERNON RD\VFW RD.4S 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 10 54.80 17. Longitude: 096 49 07.84
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	12	9/22/2014	9/22/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 3 1-lane Br for 2-way 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
3/6/02 - Flowline to deck top = 12.5' poor profile * 12/13/2006 - Flowline to deck top = 12.0' * 5/4/04 -
Flowline to deck top = 12.0' Rock Flowline

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: Unknown
28A. Lanes on: 1 28B. Lanes Under: 0 19. Detour Length: 6.0 mi
29. ADT: 50 30. Year of ADT: 2014 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 7.1 12.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 4.0 7.1 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below Date Rated : 7/20/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 418.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 13.7 ft
48. Length Maximum Span: 26.9 ft 49. Structure Length: 29.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 13.7 ft 52. Width Out to Out: 14.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	-1	-1	-1	-1	-1	-1

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $84,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $46,000 76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $225,000 114. Future ADT: 80
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2034

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace 68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 070707
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : M
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Poor
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 24.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 10.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00831** Structure No.: 60N3470E0570004 Local ID:254 1

Suff. Rating: 25.7 SD

Health Index : 59.2

Inspection Date:	9/22/2014	Reported By:	GWATKINS
Invoice No.:	60-110	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

8 beams. [6 beams, 2 'C' channels] Low traffic volume.

STRUCTURE closed until repaired. 6-21-2011.
Structure REPAIRED & ready to OPEN to traffic, 2-6-12. RWC

PX-Need corner markers and One-lane Bridge signs.

2-12, REVIEW OF LOAD RATING COMPLETED 7-2004 = 60% OF CALCULATED RATING. THIS RATING IS OK FOR THIS STRUCTURE @ THIS TIME. R.CAGLE

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	409	0	0 %	409	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	240	0	0 %	0	0 %	240	100 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	36	0	0 %	30	83 %	6	17 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	59	0	0 %	0	0 %	59	100 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	3	0	0 %	3	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX- Deck and runners in good condition. Some lite-mod. gravel accumulation on deck & between runners. Scattered cracking & or splitting of planks.
107	PX - Lite to Moderate exfoliation-pitting at abutment seats. Moderate to Heavy surface rust overall.
217	FX-The South Abutment has been GROUTED to repair loose stones & repairs appear good. - Will review @ next scheduled inspection. North Abutment has a small area of footing exposed. [photos]. ROCK Flowline. Lite stone & grout cracking @ both.
330	PX - Both rails damaged and LOOSE. Edge marker or Handrail ONLY. 6 ft. rail missing @ NE Corner. --- Needs Corner Markers. - Low traffic volume.
361	[Slight Undermining @ South Abutment, REPAIRED, 2012]. - FX - Small area of Footing Exposed @ north abutment. Degrading flowline over long term. Structure built 1920. - Rock Flowline
363	FX - As noted on item #106, noticable exfoliation @ beam ends @ both bridge Seats & rust-pitting.
970	FX - Erosion at NW, NE, and SE wings. NW abut-wing area into roadway.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	2.0	7.0	15.0	20.0	23.0	28.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.5	11.8	120.0	11.8	11.2	9.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Wtr. Edge	Flowline	Wtr. Edge	-	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – North weight limit sign

Picture 3 – South weight limit sign

Picture 4 – Sideview looking west

Picture 5 – North abutment

Picture 6 – South abutment

Picture 7 – Girders

Picture 8 – South west wing

Picture 9 – Base north abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28021** Structure No.: 60N3470E0630004 Local ID:256 1

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
105' PC BEAM SPAN, 26.75' CLR.RDY., SK 30 DEG LF W/ TR1 RAIL

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3470 - 0
6. Feature Intersected: COUNCIL CREEK TRIB.
7. Facility Carried: MT. VERNON RD. MT. VERNON RD
9. Location: MT.VERNON RD\19TH ST.4S
11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 46.07
17. Longitude: 096 49 10.56
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/19/2013	10/19/2015
FC Freq.:	N	N	NA	NA	NA
UW Freq.:	N	N	NA	NA	NA
OS Freq.:	N	N	NA	NA	NA

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 8 Very Good
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

2007 - FL, 22.5 ft. F/ top E.Rail. - FL, 22.9, 0.4 water, 11-2011. * 10-13 FL 40' N of SE COR

AGE AND SERVICE

27. Year Built: 2007
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 6.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 72.0 108.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 43.0 65.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 11/7/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.7 ft
Deck Area: 3,064.3 sq. ft
33. Median: 0 No median
34. Skew: 60
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.7 ft
48. Length Maximum Span: 105.0 ft
49. Structure Length: 107.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.7 ft
52. Width Out to Out: 28.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $122,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $67,000
76. Lgth. of Improvment: 157.3 ft
96. Total Cost: $225,000
114. Future ADT: 160
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 60
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Not Applicable
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
105 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28021** Structure No.: 60N3470E0630004 Local ID:256 1

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	10/19/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 PC Beams

PX - Debris under @ S.Abut. Strong FIRE Hazard, REMOVE ASAP. FX-Trees need trimmed back.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,881	2,881	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	380	380	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	66	66	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	210	210	100 %	0	0 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	NVP - Lite Soil Gravel @ deck ends. No Joints on deck.
109	No Visible Problems.
215	NVP
310	Thick Pads [3 inch]. NVP
331	Widely Scattered Hairline vertical cracking.
358	Hairline Random cracking Near rails, Widely Scattered. Very minor.
659	NVP
719	No Visible Problems.
916	NVP

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.0	13.0	40.0	44.0	54.0	68.0	87.0	104.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		9.2	11.8	22.9	22.7	21.7	21.5	14.3	9.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Flowline	_	-	Slope Ch.	_	Abutment	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Side view looking west

Picture 3 – North abutment

Picture 4 – South abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29014** Structure No.: 60N3470E0640003 Local ID:257 1

Suff. Rating: 98.0 ND

Health Index : -1.0

IDENTIFICATION

Description:
3-70' PC BEAM X 26'-9" W, 30 SKEW RF W/TR1 RAIL

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3470 - _
6. Feature Intersected: COUNCIL CREEK
7. Facility Carried: IRR N3470 IRR N3470
9. Location: 3W, 1.8S OF SH 18/SH 51
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 58.75
17. Longitude: 096 49 10.60
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	12/24/2013	12/24/2015
FC Freq.:	N	-	NA	**NA**	**NA**
UW Freq.:	N	-	NA	**NA**	**NA**
OS Freq.:	N	-	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Other Other (NBI)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 2
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 9 Excellent
59. Super.: 9 Excellent
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

AGE AND SERVICE

27. Year Built: 2013
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: Unknown
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 48.0 54.0 0.0
66. Inventory Rating (H / HS / 3-3) : 29.0 32.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/7/2014

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 99.0 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 5,985. sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.8 ft
48. Length Maximum Span: 70.0 ft
49. Structure Length: 210.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.8 ft
52. Width Out to Out: 28.5 ft
53. Minimum Vertical Clearance Over Bridge: 99.0 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 99.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 99.0 ft
56. Minimum Lateral Undrclearance L: 99.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $333,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $111,000
76. Lgth. of Improvment: 231.0 ft
96. Total Cost: $555,000
114. Future ADT: 100
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 99.0 ft
40. Horizontal Clearance: 99.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 99.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 30
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Sealed Expansion Joint
Sealed Expansion Joint
204. Type of Handrail: TR-1
205. Material and Quantity : 25.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers Yes
Drilled Shaft - No Footings
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : _
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29014** Structure No.: 60N3470E0640003 Local ID:257 1

Suff. Rating: 98.0 ND

Health Index : -1.0

Inspection Date:	12/24/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	5,985	5,985	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	714	714	100 %	0	0 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	4	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	62	62	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	62	62	100 %	0	0 %	0	0 %	0	0 %	0	0 %
302	1	Compression Joint Seal	(LF)	62	62	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	412	412	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	110	110	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	
109	
205	
215	
234	
302	
310	
331	
659	
719	
916	

Picture 1 – Roadway looking north

Picture 2 – Sideview looking west

Picture 3 – Seal

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29951** Structure No.: 60N3470E0720008 Local ID:258 1 Suff. Rating: 97.0 ND Health Index : 50.6

IDENTIFICATION

Description:
45 FT. I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3470 - 0
6. Feature Intersected: ELM CREEK
7. Facility Carried: N3470 (STILES RD.) STILES RD.
9. Location: 1.8S, 3W OF S.H. 33/18 11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 36.00 17. Longitude: 096 49 12.00
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/29/2013	10/29/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
FL, 15.0, top deck, 10-2010, - Fl, 18.0, 0.0 water, 11-2011. 10-13 FL 18.1 TOD 30' N of SE COR

AGE AND SERVICE

27. Year Built: 2013 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 60.9 82.0 0.0
66. Inventory Rating (H / HS / 3-3) : 24.6 37.5 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 11/26/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,177.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 43.5 ft 49. Structure Length: 45.3 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $88,000 75. Type of Work: Unknown (P)
95. Roadway Cost: $44,000 76. Lgth. of Improvment: 99.9 ft
96. Total Cost: $299,000 114. Future ADT: 100
97. Year of Cost Est.: 2011 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 65
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 11/26/2013
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29951** Structure No.: 60N3470E0720008 Local ID:258 1

Suff. Rating: 97.0 ND

Health Index : 50.6

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

11-24 inch steel beams, 5 have been spliced with Fish Plates. 3 braces @ 1/4 points. 31 inch spacing.

Completed 2010.
FX - Questionable welding attachment to Steel piles @ Caps. NEEDS additional Welding for strength.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,151	1,151	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	385	0	0 %	0	0 %	385	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	575	0	0 %	575	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	110	0	0 %	0	0 %	110	100 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	New Deck, Lite gravel scattered over part. 40%. Mostly near rails.
107	PX-Mod. to Hvy. surface rust on all beams. - 5 of 11 have been spliced & Fish Plated.
202	FX-Lite rust with lite pitting. 11 inch round piles. 8 piles at wings
219	FX-Scattered lite rust.
231	FX-Surface rust is forming or has formed on the unpainted steel piles. --- FX - Welding attachment to Cap is not good on Some of the locations. Additional Welding desired. [New welder in training?]
330	FX-Galvanized flex-beam with rust spots widely scattered. 'Weak' posts & attachment.
510	50% deck covered with 1/2" gravel
690	Stay in place forms. Lite freckling thru-out
765	PX-Mod. to Hvy. surface rust on all ends.
919	Galvanized Flex-Beam Rails

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	12.0	17.8	29.0	40.0	44.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.1	15.0	19.0	18.0	9.6	9.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Slope Ch.	Flowline	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Sideview looking east

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

Picture 6 – West bank (upstream)

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00145** Structure No.: 60N3480E0590005 Local ID:259 1 Suff. Rating: 32.0 SD Health Index : 22.3

IDENTIFICATION

Description:
30' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3480 - 0
6. Feature Intersected: CREEK
7. Facility Carried: BATTLE RIDGE RD. BATTLE RIDGE RD
9. Location: BATTLERDG\AIRPORT .5S 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 03.89 17. Longitude: 096 48 06.73
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/19/2013	10/19/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 1
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 4 Poor 59. Super.: 4 Poor 60. Sub.: 2 Critical
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
1/25/01 - Flowline to deck top = 16.9' * 11/27/2006 - Flowline to deck top 16.0' poor channel profile *
2/3/03 - Flowline to deck top = 16.1' * 5/4/04 - Flowline to deck top = 16.1'

AGE AND SERVICE

27. Year Built: 1910 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 25 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: E Open, temp struct
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 0 >39.9% below Date Rated : 7/21/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 527.4 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 17.4 ft
48. Length Maximum Span: 29.9 ft 49. Structure Length: 29.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 17.7 ft 52. Width Out to Out: 17.7 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $168,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $92,000 76. Lgth. of Improvment: 107.7 ft
96. Total Cost: $265,000 114. Future ADT: 40
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace 68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 3 Intolerable - Correct
113. Scour Critical: 3 SC - Unstable

200c. Temperature: 36
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Timber Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Poor
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 23.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 10.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00145** Structure No.: 60N3480E0590005 Local ID:259 1

Suff. Rating: 32.0 SD

Health Index : 22.3

Inspection Date:	10/19/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

STRUCTURE REPLACED WITH 10'X70' & 16'X70' CMSP

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	529	0	0 %	0	0 %	529	100 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	299	0	0 %	0	0 %	299	100 %	0	0 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	10	0	0 %	0	0 %	0	0 %	10	100 %	0	0 %
216	1	Timber Abutment	(LF)	36	0	0 %	0	0 %	0	0 %	36	100 %	0	0 %
235	1	Timber Cap	(LF)	36	0	0 %	0	0 %	18	50 %	18	50 %	0	0 %
330	1	Metal Bridge Railing	(LF)	59	0	0 %	59	100 %	0	0 %	0	0 %	0	0 %
360	1	Settlement	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX - Some Damage & wear in wheel paths. 7 planks do not touch outside girders [less than 16 ft. in length]. Lite gravel accumilitation @ both ends. No Runners.
107	FX - Moderate to heavy pitting on top flanges. Minor pitting with heavy surface rust overall.
206	PX - All piles are hollow, decayed, with splits and all appear weak. - The top of South Piles have rotated toward the center of the channel more than 1.0 foot.
216	C X - Large gaps w/heavy decay on north abutment with loss of fill. Bottom of south abutment visible w/loss of fill. No roadway settlement noted. Severe section loss. -- Large Voids. - Loss of Fill @ corners of Deck due to wing & backwall conditions.
235	FX - Top plank on south split lengthwise from abutment rotation. Up to 2 inch gap at east half, w/moderate to Severe decay.
330	Heavy surface rust only. Some light damage noted on west rail. Handrail Only.
360	FX - North abutment leans in at top 4-6 inches. South Abutment leans in toward the center of the channel more than 1.0 foot. S.Abut losing fill @ bottom.
363	Moderate to Heavy pitting @ top of top flanges. Heavy surface rust overall.
919	Heavy surface rust only. Some light damage noted on west rail. Handrail Only.
970	PX - All wings decayed & failed. Some moderate to heavy loss of fill at each corner. Erosion at shoulders up to 30 inches into edge of roadway [NW].

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	1.0	9.0	13.0	17.0	23.0	28.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.5	15.0	16.7	16.7	15.0	13.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Wtr. Edge	Flowline	Flowline	Wtr. Edge	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking west

Picture 5 – Girders and stay in place forms

Picture 6 – West bank (upstream)

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20036** Structure No.: 60E0648N3480002 Local ID:260 1 Suff. Rating: 68.7 ND Health Index : 59.6

IDENTIFICATION

Description:
28' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3480 - 0
6. Feature Intersected: CREEK
7. Facility Carried: E0648 _N3480
9. Location: .8S .2W of 32nd/BTLERD 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 33.07 17. Longitude: 096 47 52.01
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/12/2013	10/12/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 11.7' - 03/09/2006. - FL, 11.7', 10-09
Fl, 12.5, 0.0 water, 11-2011. 10-2013 FL 13.0 E of SW COR

AGE AND SERVICE

27. Year Built: 1938 106. Year Reconstructed: 1988
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 23.0 41.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 24.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 7/21/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 516.7 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.4 ft
48. Length Maximum Span: 24.9 ft 49. Structure Length: 27.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.4 ft 52. Width Out to Out: 18.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $162,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $89,000 76. Lgth. of Improvment: 103.9 ft
96. Total Cost: $256,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 4 Minimum Tolerable
113. Scour Critical: 7 Countermeasures

200c. Temperature: 68
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Other
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 36.0 / -1
244. Span Lengths :
28 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 15.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20036** Structure No.: 60E0648N3480002 Local ID:260 1

Suff. Rating: 68.7 ND

Health Index : 59.6

Inspection Date:	10/12/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

7 beams, No visible Bearings.

FX - E. end of S. rail is loose.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	513	462	90 %	51	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	126	0	0 %	126	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	39	19	49 %	20	51 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	56	0	0 %	0	0 %	0	0 %	56	100 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	69	0	0 %	66	95 %	3	5 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	1/2 inch soil gravel over 90% of deck
107	FX-Some minor exfoliation on top of south girder near midspan. Moderate to heavy surface rust most areas. Some paint left on girders. ---- All have been spliced w/welds at midspan, Welds look good at this time.WATCH --- Fair to satisfactory overall. Bare Metal Spots, Freckling & Paint scaling, Needs NEW Coating.
215	Hairline pattern [Map] cracking overall (superficial).-- Moderate scaling near bottom on west up to 1/2 inch deep. Solid for age.
330	PX - E.End of S.RAil is loose. Handrail Only. Very weak.
363	FX-Sec. Loss not serious in any area. Lite-Mod pitting @ beam flanges, Scattered. Very Minor
515	Some minor exfoliation on top of south girder near midspan. Moderate to heavy surface rust most areas. Some paint left on girders. ---- All have been spliced w/welds at midspan, Welds look good at this time.WATCH --- Fair to satisfactory overall. Bare Metal Spots, Freckling & Paint scaling, Needs NEW Coating. Paint faded.
690	FX- Galv. Barn siding used for Stay In Place forms. Rusty along edges, seams & near abutments. Satisfactory condition.
765	Moderate to heavy surface rust most flange areas. Some paint left on girders. All have been spliced w/welds at midspan. Welds look good at this time. ---- Spotted Rust areas with minor scaling of paint.
968	Erosion beginning base east abutment - Photo

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	9.0	11.0	14.0	19.0	28.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		9.8	12.5	12.5	11.8	12.1	6.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Flowline	_	_	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – Sideview looking south

Picture 3 – East abutment

Picture 4 – West abutment

Picture 5 – Base east abutment

Picture 6 – Girders and stay in place forms

Picture 7 – Girder welds

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29659** Structure No.: 60N3520E0590004 Local ID:262 1 Suff. Rating: 97.0 ND Health Index : 64.6

IDENTIFICATION

Description:
20 FT I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3520 - 0
6. Feature Intersected: CREEK
7. Facility Carried: N3520 N3520
9. Location: 2W & 2.6 N OF YALE 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 09 13.00 17. Longitude: 096 43 53.00
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/31/2013	10/31/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 7 Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
FL, 12.2 F /W TOP DECK, 0 WATER. 12-09. - FL, 12.6, 0.0 Water, 11-2011.

AGE AND SERVICE

27. Year Built: 2005 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 54.0 98.0 0.0
66. Inventory Rating (H / HS / 3-3) : 32.0 59.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 9/21/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 535.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 20.0 ft 49. Structure Length: 20.6 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.5 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $75,000 75. Type of Work: 35 Rehabilitate-gen.
95. Roadway Cost: $120,000 76. Lgth. of Improvment: 22.0 ft
96. Total Cost: $210,000 114. Future ADT: 160
97. Year of Cost Est.: 2011 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 7 Above Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 65
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29659** Structure No.: 60N3520E0590004 Local ID:262 1

Suff. Rating: 97.0 ND

Health Index : 64.6

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

20 ft. I-beam span. In service since 2005? --- 9 beams, Spliced, [3.5 ft. F/End] with Cover plates @ bottom Flange. - 1 brace @ midpoint.

Built in 2005.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	525	0	0 %	525	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	9	50 %	9	50 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	41	41	100 %	0	0 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	10% this date. Gravel-Soil on 40% of deck. - 10% this date.
107	Freckled areas thru-out. Appears to be no active corrosion. -- NOTE, All beams have welded joint 3.5 ft. from end with Cover Plate on bottom flange. Welds Appear Good.
202	PX - 'H' Beam piles, Rust is forming, except @ ground line, Rust has formed, Lite scaling. 8 pile at wings
219	FX - Surface rust is forming or has formed on the unpainted steel. Lite Scaling @ Groundline.
231	FX - Rust is forming or has formed on the unpainted Metal.
330	Galv.Flexbeam, 'Weak' Posts.
358	Widely Scattered Hairline & Lite Cracking.
363	
515	Freckled areas thru-out. Appears to be no active corrosion. -- NOTE, All beams have welded joint 3.5 ft. from end with Cover Plate on bottom flange. Welds Appear Good.
690	
765	FX - Section loss base most pile at abutments - photos
919	Galvanized flex-beam rails

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	6.0	14.0	20.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		12.6	12.0	11.8	10.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Abutment	_	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Sideview looking west

Picture 3 – North abutment

Picture 4 – South abutment

Picture 5 – Girders and stay in place forms

Picture 6 – Base pile north abutment

Picture 7 – Base pile south abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01016** Structure No.: 60N3520E0670009 Local ID:263 1 Suff. Rating: 96.0 ND Health Index : 72.4

IDENTIFICATION

Description:
60' STEEL SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3520 - 0
6. Feature Intersected: SKULL CREEK
7. Facility Carried: HARMONY RD. HARMONY RD
9. Location: HARMONY RD\68TH ST .9S 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 47.37 17. Longitude: 096 43 55.40
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/10/2013	10/10/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 7 Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
FL, 21.6 F/E top deck, 2.8 water. FL 21.7 TOD 9' N of SE COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: 2011
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 55.4 70.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 33.3 42.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 2/21/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,612.1 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 58.1 ft 49. Structure Length: 62.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $247,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $136,000 76. Lgth. of Improvment: 158.6 ft
96. Total Cost: $393,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 80
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 3.1 / 9
244. Span Lengths :
62 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 3.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : 0
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01016** Structure No.: 60N3520E0670009 Local ID:263 1

Suff. Rating: 96.0 ND

Health Index : 72.4

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

Bridge verified replaced on 1-21-11; NBI 01016 "Closed to traffic."
Rebuilt with I-Beams & auxillary support @ abuts to allow 26.0 ft. width. [Design change]
Original abutments retained, therefore new bridge retains old NBI number.
9 Beams.
Rebuilt with I-Beams & auxillary support @ abuts to allow 26.0 ft. width. [Design change]

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,575	0	0 %	1,575	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	459	0	0 %	459	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	4	0	0 %	4	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	44	40	91 %	4	9 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	125	105	84 %	20	16 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Deck, 7 inches thick. Lite gravel scattered over part.
107	FX-Some of the beams have bare metal on flanges due to being placed with previous imbedded flanges @ bottom of beams.
202	FX-Surface Rust has formed or is forming.
215	Some sctd.areas of scaling and dark staining. Surface defects.
231	Surface Rust has formed or is forming.
330	Galvanized flex-beam with rust spots widely scattered. - weak posts, some with wide spacing.
358	widely Scattered Hairline Transverse Cracking.
363	Lite exfoliation & rust @ extreme ends, 0.5 ft. @ most beams. Minor
515	Some of the beams have bare metal on flanges due to being placed with previous imbedded flanges @ bottom of beams.
690	FX-Steel stay in place forms. SCTd, rusty sections.
765	FX-See item 107. And rust-Exfol. @ extreme ends, 0.5 ft.
919	Galv. Rails
965	FX - Debris in channel. Appears to be from deck removal. Restricting low flows in N 1/2 of channel.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	1.0	8.0	18.0	25.0	34.0	48.0	53.0	60.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		19.6	21.6	20.3	18.8	16.8	18.5	15.5	6.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Flowline	Wtr. Edge	-	Slope Ch.	Slope Ch.	Abutment	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking east

Picture 3 – North abutment

Picture 4 – South abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02892** Structure No.: 60N3520E0730001 Local ID:264 1 Suff. Rating: 63.7 SD Health Index : 65.0

IDENTIFICATION

Description:
47' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3520 - 0
6. Feature Intersected: COTTONWOOD CREEK
7. Facility Carried: HARMONY RD. _HARMONY RD.
9. Location: HARMONY RD\ESECO .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 16.08 17. Longitude: 096 43 53.65
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Red. Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 4 Poor 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline, 14.7' from top of deck, 3-06. - FL, 14.7' F/ Top Deck, 10-09.
FL, 15.0, 1.2 water, 11-2011.

AGE AND SERVICE

27. Year Built: 1930 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 29.0 40.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 17.0 24.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-To
70. Posting: 2 20.0-29.9%below Date Rated : 9/26/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 958. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.0 ft
48. Length Maximum Span: 43.0 ft 49. Structure Length: 47.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft 52. Width Out to Out: 20.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $215,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $118,000 76. Lgth. of Improvment: 138.4 ft
96. Total Cost: $342,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 84
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: No Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 181818
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 57.0 / -1
244. Span Lengths :
47 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 9/26/2012
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02892** Structure No.: 60N3520E0730001 Local ID:264 1

Suff. Rating: 63.7 SD

Health Index : 65.0

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

5 unpainted beams.

Deck has large transverse cracks.
PX - Narrow structure has no rail, ineffective curbs?
PX - Needs corner Markers, see Narrow Str. , Needs Rails.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	862	0	0 %	776	90 %	86	10 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	190	0	0 %	190	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	42	38	90 %	4	10 %	0	0 %	0	0 %	0	0 %
311	1	Moveable Bearing (roller, sliding, etc.)	(EA)	5	0	0 %	5	100 %	0	0 %	0	0 %	0	0 %
313	1	Fixed Bearing	(EA)	5	0	0 %	5	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	958	0	0 %	958	100 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	50	0	0 %	50	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - 3 inches of gravel (average) on deck. Large transverse cracks visible. - Repair with Overlay? 10-13 1/2" gravel on deck this date
107	FX-Moderate to Heavy surface rust overall with scaling, Lite pitting.
215	Minor scaling. Minor weathering overall.
311	FX-3/4 inch steel plates, Pitting, no paint.
313	FX-3/4 inch steel plates, pitting, no paint.
358	PX - Large transverse cracks visible in some areas.
363	FX-Exfoliation noted @ expsoed Soffit Steel. Rust with Lite pitting on beams. Minor
510	FX - 3 inches of gravel (average) on deck. Large transverse cracks visible. - Repair with Overlay? less than 1/2" gravel on 50% of deck.
659	PX - Large spalls between outer 2 girders with loss up to 1 inch deep.--- Steel has lots of Rust.
765	FX-Moderate to Heavy surface rust overall. - Mod. Scaling on 1 ft. ends covered with dirt, 2 exterior beams @ both abuts.
968	Erosion beginning base north abutment.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.5	12.0	20.0	30.0	35.0	41.0	46.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.8	10.9	13.8	15.0	15.0	13.8	9.6	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Wtr. Edge	Flowline	_	Wtr. Edge	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – South weight limit sign

Picture 3 – Concrete cracking

Picture 4 – North weight limit sign

Picture 5 – North abutment

Picture 6 – South abutment

Picture 7 – Girders

Picture 8 – Soffit

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22094** Structure No.: 60N3530E0630006 Local ID:265 1 Suff. Rating: 99.5 ND Health Index : 92.8

IDENTIFICATION

Description:
8-100' PC BEAM SPANS
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 06022 - 0
6. Feature Intersected: CIMARRON RIVER
7. Facility Carried: NORFOLK RD.(N3530 _NORFOLK RD.
9. Location: NORFOLK RD\19TH ST .6S 11. Mile Post: 7.399 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 31.29 17. Longitude: 096 42 49.94
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/12/2013	10/12/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 8 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 8 Very Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 38.2' - 02/27/2006 -- FL, 38.0, 12-09
FL, 37.5, 2.1 ft. water, 11-2011.

AGE AND SERVICE

27. Year Built: 1988 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 10.0 mi
29. ADT: 625 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 98.0 100.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 58.0 72.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 11/1/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 32.0 ft
Deck Area: 27,676. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 32.2 ft
48. Length Maximum Span: 100.1 ft 49. Structure Length: 799.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 32.8 ft 52. Width Out to Out: 34.6 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $1,245,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $480,000 76. Lgth. of Improvment: 879.9 ft
96. Total Cost: $1,759,000 114. Future ADT: 1000
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 79
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Sealed Expansion Joint
Sealed Expansion Joint
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers No
Drilled Shaft - No Footings
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
Petroleum Produc -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
100 100 100
100 100 100
100 100
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22094** Structure No.: 60N3530E0630006 Local ID:265 1

Suff. Rating: 99.5 ND

Health Index : 92.8

Inspection Date:	10/12/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

5 PC Beams. Str. has no Approach slabs.

FX - SW side drain damaged * Structure could use a snooper inpsection every 5 years * FX - Large drift build-up at bents 6 & 7 * --- FX - Soil settlement under south bridge seat (piling exposed)
Utilities - 6 inch pipe utility attached unde east overhang. 2.5 inch pipe utility @ west overhang.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	26,236	0	0 %	26,236	100 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	3,600	3,600	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	3	0	0 %	3	100 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	14	14	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	69	69	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	230	230	100 %	0	0 %	0	0 %	0	0 %	0	0 %
300	1	Strip Seal Expansion Joint	(LF)	5	5	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	1,601	1,585	99 %	16	1 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	400	400	100 %	0	0 %	0	0 %	0	0 %	0	0 %
909	1	Pourable Fixed Joint Seal	(LF)	3	0	0 %	3	100 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
966	1	Exposed Abutment Piling	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - Lite Spalling - Asph. repairs @ fixed Deck Joints. Scattered Transverse cracks thruout deck.
109	No Notable Problems.
202	FX - 3 exposed piles @ South Abutment. - Surface Rust. - Erosion @ SE & SW corners has exposed Piles.
205	Surface Defects.
215	FX - 3 steel piles exposed @ south abutment. -- concrete portions show No Visible Problems.
234	No Notable Problems.
300	FX - Full of gravel and soil. Clean out.
310	No Notable Problems. Thin Pads [1 inch].
331	Hairline Vertical Cracking Thru-out. - Surface defects.
358	Hairline & Lite Transverse cracking scattered thru-out the deck.
659	Several transverse hairline cracks w/light leaching-effloresence, mainly in spans 4,5,6,7, & 8 at 4 to 8 feet apart. - Cracking Does not appear to be serious @ this time. --
719	NNP
909	FX - Reseal. NOTE- New, 1988. - Note, 'D' Cracking & adhesion failures, scattered.
916	Sctd. surf. rust forming, [Freckling.]
965	FX - Lite to moderate Debris @ upstream columns, piers 2,3,4, & 5. [Photos]
966	PX - 3 exposed piles @ South Abutment. - Rusty. Sandy fill material.
968	PX - Well developed trench is on lower unprotected portion of N bank.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.0	24.0	89.0	101.0	301.0	401.0	470.0	490.0	501.0	522.0	570.0	601.0	612.0	650.0	681.0
Profile		10.9	21.0	21.6	33.2	36.0	34.9	35.4	29.9	31.0	34.9	35.0	28.8	33.3	35.2	33.1
Event		Abutment	_	Slope Ch.	Pier	Pier	Pier	Slope Ch.	Slope Ch.	Pier	Slope Ch.	Slope Ch.	Pier	Slope Ch.	Flowline	Wtr. Edge

Picture 1 – Roadway looking south

Picture 2 – North abutment

Picture 3 – Erosion north bank

Picture 4 – Under bridge south

Picture 5 – Sideview looking southwest

Picture 6 – Sideview looking southeast

Picture 7 – Under bridge south

Picture 8 – Sideview looking northeast

Picture 9 – West end south abutment

Picture 10 – South abutment

Picture 11 – Seal

Picture 12 – Seal

Picture 13 – East rail

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01579** Structure No.: 60N3530E0670003 Local ID:266 1 Suff. Rating: 62.6 SD Health Index : 56.8

IDENTIFICATION

Description:
71' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3530 - 0
6. Feature Intersected: SKULL CREEK
7. Facility Carried: NORFOLK RD. NORFOLK RD
9. Location: NORFOLK RD\68TH ST .3S 11. Mile Post: 3.699 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 19.80 17. Longitude: 096 42 50.72
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/10/2013	10/10/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

1/3/2003 - Flowline to deck top = 20.1' poor channel profile
FL, 20.0 to top deck, 10-09. - FL, 19.4, 0.0 water, 11-2011. * 10/2013 FL 19.4 TOD 54' N of SE COR

AGE AND SERVICE

27. Year Built: 1925 106. Year Reconstructed: 1995
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 2 M 13.5 (H 15) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 36.8 47.6 -1.1
66. Inventory Rating (H / HS / 3-3) : 22.0 28.5 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 9/26/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,836.3 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.9 ft
48. Length Maximum Span: 67.9 ft 49. Structure Length: 70.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.6 ft 52. Width Out to Out: 25.9 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $265,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $146,000 76. Lgth. of Improvment: 170.3 ft
96. Total Cost: $422,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 78
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 45.0 / -1
244. Span Lengths :
69 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 8.0
246. Overlay Date : 9/26/2012
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01579** Structure No.: 60N3530E0670003 Local ID:266 1

Suff. Rating: 62.6 SD

Health Index : 56.8

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 Beams. X bracing @ 1/4 points.

FX-Vegetation in channel needs to be cleared. PX-Needs approach railings.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,815	0	0 %	1,815	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	489	0	0 %	440	90 %	49	10 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	52	42	80 %	10	20 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	141	0	0 %	141	100 %	0	0 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,815	0	0 %	1,815	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	72	90 %	8	10 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Asphalt overlay (est ~ 5 inches) in good condition. - Surface Cracking. - Sight settlement of Rdy. @ NE Corner.
107	FX-Some moderate pitting and exfoliation on bottom of girders 1,3,5,6,7. Moderate to heavy surface rust on exposed areas. -- Paint is failing or has failed thru-out. --- Beams have bolted connections, No problems @ this time.
215	Small spalls with some minor scaling overall. Rebar visible on south abutment near beam #2.
330	Some minor rust on 'Weak' [C Channel] supports. Scrapes, widely Sctd.
361	FX - Erosion has exposed the abutment stub wall with some undermining. Footings not visible.
363	FX-Section Loss On Beams & ends, not presently a problem.
510	Asphalt overlay (est ~ 5 inches) in good condition. - Surface Cracking. - Sight settlement of Rdy. @ NE Corner.
515	Some moderate pitting and exfoliation on bottom of girders 1,3,5,6,7. Moderate to heavy surface rust on exposed areas. -- Paint is failing or has failed thru-out. --- Beams have bolted connections, No problems @ this time.
690	FX- Steel S.I.P. forms in good condition with some rusted areas (<10%)
765	Some moderate pitting and exfoliation on bottom of girders 1,3,5,6,7. Moderate to heavy surface rust on exposed areas. - Paint system is failing.
919	

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	3.0	22.0	32.0	45.0	55.0	63.0	70.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		6.0	10.1	15.4	18.7	19.4	19.4	18.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Slope Ch.	Slope Ch.	Flowline	Slope Ch.	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Sideview looking west

Picture 3 – North abutment

Picture 4 – North cap

Picture 5 – Scour under northeast wing

Picture 6 – South abutment

Picture 7 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04627** Structure No.: 60N3530E0680008 Local ID:267 1 Suff. Rating: 35.9 SD Health Index : 0.0

IDENTIFICATION

Description:
10' MASONRY ARCH & 10' CONC SLAB SPANS (TEMP PIPE)

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 06022 - 0
6. Feature Intersected: TURKEY CREEK
7. Facility Carried: NORFOLK RD. _
9. Location: NORFOLK RD\80TH ST .8S
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 01.51
17. Longitude: 096 42 50.68
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/14/2013	10/14/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: T Temporary
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Masonry Arch-Thru
44. Approach Span Material and Design Type
Concrete Slab
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 1
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 3 Serious
59. Super.: 2 Critical
60. Sub.: 2 Critical
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:
Temporary pipe. 8 ft. CGMP Arch.

AGE AND SERVICE

27. Year Built: 1936
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: E Open, temp struct
63. Op. Rating Method: 2 AS Allow. Stress-To
Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 0.0 0.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 0.0 0.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/1/1901

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 602.8 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.0 ft
48. Length Maximum Span: 9.8 ft
49. Structure Length: 24.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.0 ft
52. Width Out to Out: 25.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000
76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000
114. Future ADT: 160
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 2 Intolerable - Replace
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 9 Above Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 86
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : -
Type of Foundation : -
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : _
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 2.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04627** Structure No.: 60N3530E0680008 Local ID:267 1

Suff. Rating: 35.9 SD

Health Index : 0.0

Inspection Date:	10/14/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 ft. CGMP with steel wings, round piles @ wings.

Temporary Pipe. 8 ft. steel pipe. Placed Before 2009. [2008?] Galv Rail posted 13-T

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	300	270	90 %	30	10 %	0	0 %	0	0 %	0	0 %
145	1	Masonry Arch	(LF)	23	0	0 %	0	0 %	0	0 %	23	100 %	0	0 %
211	1	Other Material Pier Wall	(LF)	23	0	0 %	0	0 %	0	0 %	23	100 %	0	0 %
217	1	Masonry Abutment	(LF)	49	0	0 %	0	0 %	0	0 %	49	100 %	0	0 %
330	1	Metal Bridge Railing	(LF)	23	0	0 %	0	0 %	0	0 %	23	100 %	0	0 %
510	1	Wearing Surfaces	(SF)	300	300	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Temporary Pipe Structure. 8 ft. pipe with metal wings in place.
145	< none >
211	< none >
217	< none >
330	< none >
510	Temporary Pipe Structure. 8 ft. pipe with metal wings in place.
659	< none >

Picture 1 – Roadway looking north

Picture 2 – South weight limit sign

Picture 3 – North weight limit sign

Picture 4 – Sideview looking west

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10135** Structure No.: 60N3530E0690002 Local ID:268 1 Suff. Rating: 76.2 ND Health Index : 79.9

IDENTIFICATION

Description:
2-10' CONC. SLAB SPANS
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - 06022 - 0
6. Feature Intersected: CREEK
7. Facility Carried: NORFOLK RD.(N3530 _NORFOLK RD.
9. Location: NORFOLK RD\DEEP RK .2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 38.35 17. Longitude: 096 42 50.71
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Slab
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 2 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 6 Satisfactory 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 7.1' - Rock flowline - 11/30/2007 -
FL, 7.1', 10-09. - FL, 7.1 0.0 Water, 11-2011. 10-2013 FL Center north barrel east side

AGE AND SERVICE

27. Year Built: 1945 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 750 30. Year of ADT: 2013 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 37.0 67.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 36.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 5 At/Above Legal Loads Date Rated : 4/24/2000

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 645.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.8 ft
48. Length Maximum Span: 9.8 ft 49. Structure Length: 24.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 24.8 ft 52. Width Out to Out: 27.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000 76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000 114. Future ADT: 1200
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 84
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: 1 Pier _
No Piling or Drilled Shaft
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 -1 -1
10 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 12.0
246. Overlay Date : 1/1/2000
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10135** Structure No.: 60N3530E0690002 Local ID:268 1

Suff. Rating: 76.2 ND

Health Index : 79.9

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

SE wing completely separated.
NOTE - S.Span has 1-1.5 ft. silt @ East 1/2. --- 50 ft. downstream [East] degrading flowline, 4+ ft.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
38	1	Reinforced Concrete Slab	(SF)	648	583	90 %	65	10 %	0	0 %	0	0 %	0	0 %
210	1	Reinforced Conc Pier Wall	(LF)	26	12	46 %	13	50 %	1	4 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	52	26	50 %	26	50 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	43	32	75 %	11	25 %	0	0 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	648	0	0 %	648	100 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
38	12 in. overlay, Soil & Asphalt.
210	FX - Some minor scaling with reinforcing exposed. - FL =Rock. - Footing exposed, all of N.Face, 1/4 of South Face.
215	FX - Some minor scaling near footing @ north abutment. - Footing Exposed on Rock flowline, @ N.Abut.
331	Conc. Post & Rail. - 1 section broken on east side. 3 posts chipped badly.
361	FX-Scour beginning under north abutment and wings and under pier wall northside.
510	12 in. overlay, Soil & Asphalt. FX-Unsealed cracking
659	Large spalls. Full width on north end approximately 18 inches into span.
965	FX - Heavy debris in SW channel, [Remove for Better Flow.] Debris in South span.
970	FX - SE wing failed. Completely separated. - Little or no loss of fill.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	11.0	12.5	22.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		4.7	6.9	7.0	7.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Pier	Pier	Abutment	_	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Southeast wing

Picture 3 – Sideview looking west

Picture 4 – Scour under north abutment

Picture 5 – Scour under pier wall

Picture 6 – Debris south span

Picture 7 – Erosion behind northwest wing

Picture 8 – Soffit south end

Picture 9 – Scour under northwest wing

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **11202** Structure No.: 60N3530E0710002 Local ID:269 1 Suff. Rating: 86.2 ND Health Index : 89.5

IDENTIFICATION

Description:
2- 10' CONCRETE SLAB SPANS
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3530 - 0
6. Feature Intersected: CREEK
7. Facility Carried: NORFOLK RD. NORFOLK RD
9. Location: NORFOLK RD\MAIN ST .2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 58.25 17. Longitude: 096 42 51.19
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	12	9/23/2014	9/23/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Continuous Slab
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 2 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
2013-conc floor

AGE AND SERVICE

27. Year Built: 1950 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 100 30. Year of ADT: 2014 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 2 M 13.5 (H 15) 41. Posting status: P Posted for load
63. Op. Rating Method: 2 AS Allow. Stress-To Alt. Op. Rating Meth.: 2 AS Allow. Stress-T
64. Operating Rating (H / HS / 3-3): 21.0 37.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 25.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 4 0.1-9.9%below Date Rated : 7/26/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 652.8 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.9 ft
48. Length Maximum Span: 9.8 ft 49. Structure Length: 24.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 24.9 ft 52. Width Out to Out: 27.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $149,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $82,000 76. Lgth. of Improvment: 95.8 ft
96. Total Cost: $236,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2034

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 7 Countermeasures

200c. Temperature: 53
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: 1 Pier _
No Piling or Drilled Shaft
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 212121
b. Posted Speed Limit : 35
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : Not Applicable
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
10 -1 -1
10 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 6.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **11202** Structure No.: 60N3530E0710002 Local ID:269 1

Suff. Rating: 86.2
ND

Health Index :
89.5

Inspection Date:	9/23/2014	Reported By:	GWATKINS
Invoice No.:	60-110	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

PX - Lite Erosion around all wings. * Concrete Floor has been added within south span since 11-1-10 inspection to remedy scour. * FX - Four feet of silt in North span needs cleaned out.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
38	1	Reinforced Concrete Slab	(SF)	597	537	90 %	60	10 %	0	0 %	0	0 %	0	0 %
210	1	Reinforced Conc Pier Wall	(LF)	26	23	90 %	3	10 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	48	43	90 %	5	10 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	48	0	0 %	24	50 %	24	100 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	597	597	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
38	Soffit = CS-2. Recent Asphalt Overlay, 2010.
210	Surface Defects. Footing was previously exposed @ South side of pier, New concrete floor placed since last inspection. Presently, no visible problems.
215	MINOR SPALLING ON NORTH ABUTMENT.
331	PX -MODERATE TO HEAVY SPALLING TO RAIL SECTIONS. - MOST ALL GONE ON WEST EXCEPT FOR REBAR. [Conc. Post & rail].
510	Soffit = CS-2. Recent Asphalt Overlay, 2010.
659	FX - lite-mod. SPALLING IS PRESENT IN EACH SPAN, MAINLY UNDER THE CURBS. Rebar exposed.
965	FX - NORTH SPAN 60% BLOCKED WITH SILT.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0.1	1.0	3.0	9.0	11.0	12.5	22.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.3	9.9	9.9	9.6	8.0	4.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Flowline	Pier	Pier	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – West rail

Picture 3 – North weight limit sign

Picture 4 – South weight limit sign

Picture 5 – Sideview looking west

Picture 6 – Soffit

Picture 7 – Debris north span

Picture 8 – Soffit north Span.

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23987** Structure No.: 60N3530E0730005 Local ID:270 1

Suff. Rating: 81.2 ND

Health Index : 40.4

IDENTIFICATION

Description:
51' I-BM SPAN
1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3530 - 0
6. Feature Intersected: COTTONWOOD CREEK
7. Facility Carried: NORFOLK RD. NORFOLK RD
9. Location: NORFOLK RD\ESECO .5S
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 56.22
17. Longitude: 096 42 49.89
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

1/30/01 - Flowline to deck top = 20.0' * 1/3/2003 - Flowline to deck top = 20.6' fair channel profile
FL, 20.6', 10-09. - FL, 20.2, 1.5 Water, 11-2011. 10-2013 FL 20.5 TOD 23' N of SE COR

AGE AND SERVICE

27. Year Built: 1994
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 37.7 48.6 -1.1
66. Inventory Rating (H / HS / 3-3) : 22.6 29.1 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 1 30.0-39.9%below
Date Rated : 9/26/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 23.0 ft
Deck Area: 1,384.4 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.2 ft
48. Length Maximum Span: 49.9 ft
49. Structure Length: 50.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.6 ft
52. Width Out to Out: 27.2 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $222,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $122,000
76. Lgth. of Improvment: 142.8 ft
96. Total Cost: $354,000
114. Future ADT: 160
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Open Joint - No Device
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 222222
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 48.0 / -1
244. Span Lengths :
50 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 33.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23987** Structure No.: 60N3530E0730005 Local ID:270 1

Suff. Rating: 81.2 ND

Health Index : 40.4

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 Beams All have been spliced near center. FISH Plates.

PX-Needs corner markers. FX-Needs vegetation cleared from approaches.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,354	0	0 %	1,354	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	328	0	0 %	328	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	22	0	0 %	0	0 %	22	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	102	0	0 %	102	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	100	0	0 %	100	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Minor wear overall. Some aggregate visible.
107	FX-Heavy surface rust w/scaling on exposed areas. Small girders not counted in quantity. Some light pitting started. Most of paint gone. -- All Beams have been Spliced near center, Fish Plates.
202	PX - Light to moderate pitting most areas. Some exfoliation on 2 piles on N.Abut. - --------- Suggest Coating or Conc. encasement. 4 piles at wings
216	FX - Serious decay with failing areas. 4 ft on SW and SE, 12 ft on NE. New planks at north abutment
231	FX-Moderate to Heavy surface rust has formed on the unpainted metal.
330	FX-No damage. Some light deterioration. 'Weak' posts, Wide Spacing. 'C' Channel posts.
358	NOTE - Hairline to Lite Transverse Cracking, 15 ft. spacing.
363	FX - Sec.Loss lite @ piles. -- Beams & ends, note Heavy surface rust & some scaling.
515	Heavy surface rust w/scaling on exposed areas. Small girders not counted in quantity. Some light pitting started. Most of paint gone. -- All Beams have been Spliced near center, Fish Plates. Paint failing.
690	FX Steel S.I.P. forms in good condition. Rusty
765	FX-Heavy surface rust w/scaling on exposed areas. Small girders not counted in quantity. Some light pitting started. --- Nothing appears to be CS-4, RC.
919	Painted galv rails.
968	FX - Erosion around NE & SE wingwalls. All wings are metal. Bkwall is Timber. Erosion has been filled up.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	12.0	23.0	31.0	39.0	49.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.2	13.6	18.7	20.2	18.7	14.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Wtr. Edge	Flowline	Wtr. Edge	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – North weight limit sign

Picture 3 – Sideview looking west

Picture 4 – North abutment

Picture 5 – South abutment

Picture 6 – Girders and stay in place forms

Picture 7 – South weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29053** Structure No.: 60N3536E0620003 Local ID:270A 1

Suff. Rating: 75.2 ND

Health Index : 68.1

IDENTIFICATION

Description:
31' Concrete ARCH

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: YALE

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 5 - 1 - N3536 - 1
6. Feature Intersected: CREEK
7. Facility Carried: MAIN STREET N3536
9. Location: MAIN STREET
11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 06 24.00
17. Longitude: 096 42 06.00
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/31/2013	10/31/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 04 City/Municipal Hwy Agenc
26. Functional Class: 07 Rural Mjr Collecto
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Concrete Arch-Deck
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 8 Unknown
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

FL, 21.3, W. TOP CB. - FL, 17.4, 1.9 water, F/to E.Curb, 11-2011.

AGE AND SERVICE

27. Year Built: 1931
106. Year Reconstructed: -4
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 0.0 mi
29. ADT: 300
30. Year of ADT: 2013
109. Truck ADT %: 16
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown
41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	19.0	33.9	0.0
66. Inventory Rating (H / HS / 3-3) :	14.0	25.0	0.0

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 3 10.0-19.9%below
Date Rated : 6/29/2009

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 75.0 ft
Deck Area: 3,131.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 75.0 ft
48. Length Maximum Span: 31.0 ft
49. Structure Length: 31.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 75.0 ft
52. Width Out to Out: 101.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $407,241
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $203,620
76. Lgth. of Improvment: 0.0 ft
96. Total Cost: $651,585
114. Future ADT: 480
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: NA-no waterway
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 9 Above Desirable Crit
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 63
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 191919
b. Posted Speed Limit : 25
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current Bus Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 4.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29053** Structure No.: 60N3536E0620003 Local ID:270A 1

Suff. Rating: 75.2 ND

Health Index : 68.1

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

31 ft. concrete arch span.

Channel Protection Downstream. --- 2 curb side street grated inlets [4 total] 15 ft. from ends of arch. * PX - SW bank has erosion with no protection. * Water standing under arch *

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
144	1	Reinforced Conc Arch	(LF)	101	0	0 %	101	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	202	0	0 %	202	100 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	62	0	0 %	60	96 %	2	4 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
144	FX - Minor Cracks & Spalls. - Seepage @ curb inlets, Sm. spall @ E.afcia, Rebar expsoed.
215	FX - Minor cracks & spalls. -- Previous repairs @ E.1/2, south Abut., working well. Scattered Leaching & Seepage. --- Minor Distress near Utility & Street Drains [Soffit]. --- NOTE - 8 inch cast iron utility 20 ft. from west opening, 5 ft. below Crown of Arch.
331	FX - Minor cracks & spalls, weathering. - Concrete Post & Rail Behind sidewalks.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	8.0	16.0	25.0	31.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		16.9	17.1	17.4	16.7	16.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Flowline	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking east

Picture 3 – North weight limit sign

Picture 4 – South weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00834** Structure No.: 60N3540E0610002 Local ID:271 1

Suff. Rating: 81.4 ND

Health Index : 61.0

IDENTIFICATION

Description:
35' I-BM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3540 - 0
6. Feature Intersected: CREEK
7. Facility Carried: LAWSON RD. LAWSON RD
9. Location: LAWSON RD\MCELROY .2S
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 07 43.31
17. Longitude: 096 41 46.46
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1920
106. Year Reconstructed: 1992
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 150
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 909. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.3 ft
48. Length Maximum Span: 34.1 ft
49. Structure Length: 35.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.3 ft
52. Width Out to Out: 25.9 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/3/2013	10/3/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

CONDITION

58. Deck: 7 Good
59. Super.: 5 Fair
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

1/26/01 - Flowline to deck top = 13.8' * 1/2/2003 - Flowline to deck top = 13.8' fair channel profile
FL, 13.8, 12-09. - FL, 13.3, 0.0 water, 11-2011. 10-13 FL 13.8 TOD at SE COR

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	54.8	82.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	32.8	49.2	-1.1

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 9/26/2012

PROPOSED IMPROVEMENTS

94. Bridge Cost: $183,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $100,000
76. Lgth. of Improvment: 117.3 ft
96. Total Cost: $290,000
114. Future ADT: 240
97. Year of Cost Est.: 2007
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 5 Above Min Tolerable
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 87
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Cantilever
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 44.0 / -1
244. Span Lengths :
35 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : Chipseal
246. Overlay Thickness : 2.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00834** Structure No.: 60N3540E0610002 Local ID:271 1

Suff. Rating: 81.4 ND

Health Index : 61.0

Inspection Date:	10/3/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 Beams. Braced @ midpoint.

PX-Needs corner markers, Str. on a curve with no Guardrail End pieces.
FX-Needs vegetation cleared from approaches.
Erosion along NW, Sw, SE approach embankments. ---
FX - Mod. to Hvy. surface rust on Steel Piles.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	888	0	0 %	888	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	200	0	0 %	190	95 %	10	5 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	43	13	30 %	30	70 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	60	0	0 %	0	0 %	60	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	61	8	13 %	53	87 %	0	0 %	0	0 %	0	0 %
363	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	915	0	0 %	915	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	61	0	0 %	61	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	68	85 %	12	15 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Asphalt surface in fair condition. 2 in. overlay.
107	FX-Moderate to Heavy surface rust with scaling on bottom flanges. Minor pitting on #2 and #5 beams on north end. Small area affected with minimal section loss. Blue Paint. -- Beams appear to have been installed 'upside down'. - Bare metal on bottom flanges. - Exterior Beams worst.
202	PX-Moderate to Heavy surface rust overall. Slight scaling @ bottom 0.5 ft.
215	FX - Some minor scaling and deterioration in scattered areas. PX - Channel flow line should be moved to mid-span between abutments away from SE COR of S abutment then add protected fill at S abutment.
231	FX-Rust has formed on the unpainted metal. -- Installed on Concrete bridge seats with an additional support @ ends outside the Conc. Abut., 2 piles @ ea. abut.Cap.
330	FXSurface freckling of Flexbeam. Installed on 'Weak' "C" channel posts. Rusty approach rails.
363	As noted on steel items. - Loss in isolated areas only. Pitting on bottom flanges of beams. Minor
510	Asphalt surface in fair condition. 2 in. overlay. Fair condition.
515	Moderate to Heavy surface rust with scaling on bottom flanges. Minor pitting on #2 and #5 beams on north end. Small area affected with minimal section loss. Blue Paint. -- Beams appear to have been installed 'upside down'. - Bare metal on bottom flanges. - Exterior Beams worst.
690	FX- Steel S.I.P. forms with lite to moderate surface rust.
765	FX-Moderate to Heavy surface rust with scaling on bottom flanges. Minor pitting on 3 beams. Beams installed 'Upside down' from original placement.
919	Galvanized Rails
968	FX-Erosion is along NW, SW & SE approach embankments.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	7.0	17.0	25.0	34.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		12.8	13.3	13.3	11.0	10.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Flowline	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking south

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Soffit and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **11971** Structure No.: 60N3540E0640002 Local ID:271A 1 Suff. Rating: 56.5 ND Health Index : 62.0

IDENTIFICATION

Description:
40' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3540 - 0
6. Feature Intersected: CREEK
7. Facility Carried: LAWSON RD(N3540) _N 3540
9. Location: LAWSON RD\32ND ST .2S 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 03.03 17. Longitude: 096 41 46.44
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/12/2013	10/12/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:

Flowline to top of deck - 13.6' - 02/27/2006 - FL, 13.5 to top deck, 10-09 FL, 13.5, 0.0 water, 11-2011. 10-13 FL 13.6 TOD 19' N of SE COR

AGE AND SERVICE

27. Year Built: 1950 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 15.0 mi
29. ADT: 20 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 18.6 26.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 11.2 16.1 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 3 10.0-19.9%below Date Rated : 9/26/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 804. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.5 ft
48. Length Maximum Span: 38.1 ft 49. Structure Length: 40.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 19.5 ft 52. Width Out to Out: 20.1 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $196,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $108,000 76. Lgth. of Improvment: 125.8 ft
96. Total Cost: $311,000 114. Future ADT: 32
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 70
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Timber Bulkhead
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 151515
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 32.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 20.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? Yes
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **11971** Structure No.: 60N3540E0640002 Local ID:271A 1

Suff. Rating: 56.5 ND

Health Index : 62.0

Inspection Date:	10/12/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 beams. 3 braces @ 1/4 points.

PX - One load posting sign damaged.
PX - Needs corner markers, Narrow bridge signs. Limbs overhanging str. narrowing roadway, REMOVE.W.L> sign south end P-15-T North sign P-1-T

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
31	1	Timber Deck	(SF)	780	0	0 %	780	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	322	0	0 %	322	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	12	0	0 %	12	100 %	0	0 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	39	0	0 %	39	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	39	0	0 %	39	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	79	0	0 %	79	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
968	1	Erosion	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	3	0	0 %	0	0 %	3	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX-Timber deck.Timber Runners. -- Lite Gravel-soil on deck, not on runners. Runners showing wear.
107	FX-Rust with minor pitting. - Surface rust thru-out. FX-Dirt on girder ends.
202	FX-Minor scaling at ground line, Lite- Mod surface rust.
216	FX-Some decay noted @ both abuts.--- FX - Material spilling thru @ south Abut.
231	FX-Rust with minor scaling. - Soil gravel on top, Lite to Mod.pitting of top surfaces.
330	FX-No damage. Rail 'weak' with wide post spacings (10 feet). Spotted freckle rust, Lite damage. - No approach Sections.
515	Rust with minor pitting. - Surface rust thru-out. Paint failed.
919	Galvanized Rail.
968	Erosion into road at all corners Photo SE COR
970	FX - The NW, SE, & NE wings have failed at 75% to 100%. Holes into edge of roadway up to 2 feet at SE & NE. Needs repair now.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	10.0	20.0	28.0	39.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.1	12.8	13.5	11.7	6.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Flowline	_	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – South weight limit sign

Picture 3 – North weight limit sign

Picture 4 – Erosion southwest corner

Picture 5 – Sideview looking west

Picture 6 – North abutment

Picture 7 – South abutment

Picture 8 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29856** Structure No.: 60N3540E0680001 Local ID:272 1

Suff. Rating: 99.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
105' PC BEAM SPAN SK30RF

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3540 - 0
6. Feature Intersected: TURKEY CREEK
7. Facility Carried: N3540 (EUCHEE) N3540
9. Location: EUCHEEVALLEY/80THST.1S
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 42.00
17. Longitude: 096 41 42.00
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 8 Very Good
59. Super.: 9 Excellent
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

FL, 24.2 F/ TOP E. RAIL. 0.0 Water- ROCK FL 10-13 FL 24.3 TOR 60' N of SE COR

AGE AND SERVICE

27. Year Built: 2008
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 3.0 mi
29. ADT: 200
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 72.0 108.0 0.0
66. Inventory Rating (H / HS / 3-3) : 43.0 64.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 11/2/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 3,021.2 sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.3 ft
48. Length Maximum Span: 104.0 ft
49. Structure Length: 107.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.3 ft
52. Width Out to Out: 28.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 320
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 8 Equal Desirable Crit
68. Deck Geometry: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 7 Above Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 90
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
Drilled Shaft - No Footings
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : 45
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : _
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : _
Working/Not Working : _
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29856** Structure No.: 60N3540E0680001 Local ID:272 1

Suff. Rating: 99.0 ND

Health Index : 100.0

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

New str.2008, 4 PC Beams
REPLACES NBI 01493.

No Notable Problems.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	2,837	2,837	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	380	380	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	61	61	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	216	216	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	40	40	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	8	8	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	< none >
109	NVP
215	Surface Defects.
310	NVP - 3 INCH THICK PADS. NW HAS Thickened Plate.
331	NVP
659	No Visible Problems.
719	Beam Ends located @ Expansion End. [South].
916	Thickened Bearing plate @ N.Abut., NW bearing. Photo.

Picture 1 – Roadway looking north

Picture 2 – Sideview looking east

Picture 3 – North abutment

Picture 4 – South abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29647** Structure No.: 60N3540E0680007 Local ID:272A 1 Suff. Rating: 97.0 ND Health Index : 72.6

IDENTIFICATION

Description:
72' I-BEAM SPAN, 26 FT WIDE
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3540 - 0
6. Feature Intersected: CREEK
7. Facility Carried: EUCHEE VALLEY EUCHEE VALLEY RD.
9. Location: 1.3N, 1W OF SCHLEGEL 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 32.00 17. Longitude: 096 41 48.00
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 7 Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
FL, 18.8 ft. F/ Top of deck, 10-09. - FL, 18.9, 0.3 water, 11-2011 * 10-13 FL 18.8 TOD 42' N of SE COR

AGE AND SERVICE

27. Year Built: 2005 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 6.0 mi
29. ADT: 50 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 47.6 61.9 0.0
66. Inventory Rating (H / HS / 3-3) : 28.5 37.1 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 9/26/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 1,872.1 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.0 ft
48. Length Maximum Span: 70.4 ft 49. Structure Length: 72.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.0 ft 52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $260,000 75. Type of Work: 35 Rehabilitate-gen.
95. Roadway Cost: $416,000 76. Lgth. of Improvment: 259.2 ft
96. Total Cost: $728,000 114. Future ADT: 100
97. Year of Cost Est.: 2011 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 92
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29647** Structure No.: 60N3540E0680007 Local ID:272A 1

Suff. Rating: 97.0 ND

Health Index : 72.6

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

7 Beams. 4 Braces @ 1/5 points

FX - Pavement alligatoring [breaking up] @ SW approach.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,872	1,872	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	434	0	0 %	434	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	144	0	0 %	144	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	70	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Notable Problems.
107	FX-Minor rust on top & bottom flanges, Spotted areas of Bare metal, Peeling.
202	Minor rust. -- Short exposures. Photos. 8 pile at wings.
219	FX-Surface rust has formed on most of the metal abutment. FX-Both banks under bridge are unprotected from potential scour.
231	FX-Surface rust has formed or is forming on the unpainted metal.
330	FX-Rust forming, Scattered. 'Weak' Post & some weak attachments.
358	Hairline & Lite Scattered Transverse Cracking Minor.
515	Minor rust on top & bottom flanges, Spotted areas of Bare metal, Peeling.
690	Stee S.I.P. forms. Freckling surface rust @ most areas. Spotted lighter rust.
765	Minor rust scattered, With Peeling Paint.
919	Galvanized rail.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	18.0	34.0	38.0	42.0	53.0	70.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		1.4	6.6	18.2	18.9	18.4	8.8	4.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Flowline	Slope Ch.	_	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – South approach

Picture 3 – Sideview looking west

Picture 4 – North abutment

Picture 5 – South abutment

Picture 6 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28355** Structure No.: 60N3540E0710003 Local ID:273 1 Suff. Rating: 99.0 ND Health Index : 71.1

IDENTIFICATION

Description:
54' I-BEAM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3540 - 0
6. Feature Intersected: TURKEY CREEK
7. Facility Carried: N3540 EUCHEE VALLEY RD.
9. Location: EUCHEE VALL.3S.OFMAINST. 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 55.87 17. Longitude: 096 41 47.26
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 7 Good 60. Sub.: 7 Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 8 Protected
Flowline Notes:

Flowline to top of deck - 24.0' - 11/30/2007 - FL, 24.0', 10-09.
FL, 25.0, 0.6 Water, 11-2011 * 10-13 FL 25.1 TOD 28' N of SE COR

AGE AND SERVICE

27. Year Built: 2005 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 6.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 54.0 68.0 0.0
66. Inventory Rating (H / HS / 3-3) : 32.0 41.0 0.0
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 11/2/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,531.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.0 ft
48. Length Maximum Span: 52.8 ft 49. Structure Length: 54.7 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.0 ft 52. Width Out to Out: 28.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $80,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $40,000 76. Lgth. of Improvment: 31.2 ft
96. Total Cost: $225,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 1 Meets Standards
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 82
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : _
Working/Not Working : _
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28355** Structure No.: 60N3540E0710003 Local ID:273 1

Suff. Rating: 99.0 ND

Health Index : 71.1

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 Beams. 2 braces @ 1/3 points.

NEW str. 2005.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,422	1,422	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	354	354	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	37	0	0 %	37	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	109	109	100 %	0	0 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Visible Problems. - Slight settlement @ approaches.
107	Rust Forming or has Formed on the Unpainted Beams.
202	Surface Rust formed or forming. 25 pile at wings
219	Galvanized Metal Backwalls & wings. Unpainted Steel Braces & Piles.
231	Rust formed or forming. -- Stiffners added @ Beams & Piles.
330	Galv. Flexbeam. No visible Problems. Single rail, NOT Nested.
358	Widely scattered Hairline & Lite Cracking.
690	No visible problems. - Freckling of Steel S.I.P. forms.
765	Surface Rust is Forming or has formed on the unpainted beams.
919	Galvanized rail.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	8.0	20.0	30.0	34.0	40.0	53.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		17.6	20.5	22.2	24.4	25.0	24.2	7.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Slope Ch.	Wtr. Edge	Flowline	Wtr. Edge	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking south

Picture 2 – Sideview looking east

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26790** Structure No.: 60N3540E0730001 Local ID:274 1 Suff. Rating: 97.9 ND Health Index : 100.0

IDENTIFICATION

Description:
3-70' PC BEAM SPANS, SK60RF
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3540 - 0
6. Feature Intersected: EUCHEE CREEK
7. Facility Carried: EUCHEE VALLEY(N3 _EUCHEE VALLEY RD.
9. Location: EUCHEE VY\ESECO .1S 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 18.58 17. Longitude: 096 41 45.25
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 3 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 8 Very Good 59. Super.: 8 Very Good 60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 8 Protected
Flowline Notes:

Flowline to top of deck - 27.0' - 11/30/2007 - FL, 27.0', 10-09
FL, 31.9, 2.9 Water, 11-2011. * 10-13 FL 31.7 TOD 35' N of S Pier East side.

AGE AND SERVICE

27. Year Built: 2003 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 0 Unknown 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 47.9 54.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 32.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 11/2/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 6,035. sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.7 ft
48. Length Maximum Span: 70.0 ft 49. Structure Length: 212.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.7 ft 52. Width Out to Out: 28.4 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $1,207,682 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $664,225 76. Lgth. of Improvment: 233.8 ft
96. Total Cost: $1,918,705 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 1 Meets Standards 36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards 36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 7 Above Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 75
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Elastomeric Sheet Type Strip Seal
-
204. Type of Handrail: TR-1
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: 2 Piers No
Drilled Shaft - No Footings
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : -
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Conventional Forming
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26790** Structure No.: 60N3540E0730001 Local ID:274 1

Suff. Rating: 97.9 ND

Health Index : 100.0

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 PC Beams.

Very Good Condition.
FX - Brush under Contacting Structure, Remove.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	5,673	5,673	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	708	708	100 %	0	0 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	4	100 %	0	0 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	66	66	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	66	66	100 %	0	0 %	0	0 %	0	0 %	0	0 %
300	1	Strip Seal Expansion Joint	(LF)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	425	425	100 %	0	0 %	0	0 %	0	0 %	0	0 %
659	1	Soffit of Concrete Decks and Slabs	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
719	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	120	120	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Visible Problems, Normal Wear on Surface.
109	NVP
205	Surface Defects, scrapes.
215	NVP
234	No visible problems. Slight seepage noticed @ S.Cap.
300	NVP, Debris filled. @ Piers.
310	NVP -- Thick Pads [3+ inches]
331	Surface Defects. - Scattered hairline Vertical Cracking.
659	NVP -- Conventional Forming.
719	NVP
916	NVP

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	4.0	15.0	43.0	71.0	85.0	105.0	120.0	138.0	141.0	149.0	180.0	209.0	-1.0	-1.0	-1.0
Profile		9.5	11.8	19.7	29.1	31.8	31.9	30.8	29.0	28.8	28.2	15.0	8.5	-1.0	-1.0	-1.0
Event		Abutment	_	Slope Ch.	Pier	Flowline	Flowline	_	Wtr. Edge	Pier	Slope Ch.	_	Abutment	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Sideview looking east

Picture 3 – South abutment

Picture 4 – North abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30637** Structure No.: 60N3550E0730006 Local ID:275 1

Suff. Rating: 91.5 ND

Health Index : -1.0

IDENTIFICATION

Description:
50' I BEAM

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3550 - 0
6. Feature Intersected: SAND CREEK
7. Facility Carried: IRR N3550 SCHLEGEI IRR N3550 SCHLEGEL
9. Location: SCHLEGEL-ESECO .6S
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 54.09
17. Longitude: 096 40 40.04
98. Border Br. Code: Jnknown (P) % Resp. : Unkn
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	12/24/2013	12/24/2015
FC Freq.:	N	-	NA	**NA**	**NA**
UW Freq.:	N	-	NA	**NA**	**NA**
OS Freq.:	N	-	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Unknown (NBI)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 8 Very Good
59. Super.: 7 Good
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

2013-ICE IN CREEK

AGE AND SERVICE

27. Year Built: 2013
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: -1
19. Detour Length: 2.0 mi
29. ADT: 100
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 5 MS 18 (HS 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	33.9	43.0	0.0
66. Inventory Rating (H / HS / 3-3) :	19.9	26.0	0.0

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: Not Applicable (P)
Date Rated : 12/30/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 99.0 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,282.7 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.4 ft
48. Length Maximum Span: 48.5 ft
49. Structure Length: 50.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.4 ft
52. Width Out to Out: 26.2 ft
53. Minimum Vertical Clearance Over Bridge: 99.0 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 99.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	-1	-1	-1	-1	-1	-1

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 99.0 ft
56. Minimum Lateral Undrclearance L: 99.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 160
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 99.0 ft
40. Horizontal Clearance: 99.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 99.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 1 Meets Standards
36B. Transition: 1 Meets Standards
36D. Approach Rail Ends: 1 Meets Standards
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 25
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Steel Post and Rail
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : _
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming:
236. Deck Cleaning : -1
238. School Bus Rte: _
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : -1.0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30637** Structure No.: 60N3550E0730006 Local ID:275 1

Suff. Rating: 91.5 ND

Health Index : -1.0

Inspection Date:	12/24/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,323	1,323	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	360	360	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	18	100 %	0	0 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	52	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	52	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	100	100	100 %	0	0 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	90	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	8IN CONCRETE DECK
107	USED GIRDERS. RUSTY
202	8 PILES AT WINGS
219	
231	
330	
358	MINOR ON DECK
690	
765	
919	

Picture 1 – Roadway looking south

Picture 2 – Concrete cracking

Picture 3 – Sideview looking west

Picture 4 – North abutment

Picture 5 – South abutment

Picture 6 – Soffit and girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30338** Structure No.: 60N3550E0720001 Local ID:275B 1

Suff. Rating: 97.0 ND

Health Index : 70.5

IDENTIFICATION

Description:
28' I BEAM SPAN

1. State: Oklahoma
2. SHD District: Division 4
3. County Code: PAYNE
4. Place Code: Unknown

Admin. Area: Cnty. District 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3550 - 0
6. Feature Intersected: CREEK
7. Facility Carried: N3550 N3550
9. Location: 1.1S 5E JCT 18/33
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 10.00
17. Longitude: 096 40 41.00
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/4/2013	10/4/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network
20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency
22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local
37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h
101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic
103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS
105. Fed. Land Hwy 0 N/A (NBI)
110. National Truck Network: 0 Not part of na
112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1
46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good
59. Super.: 6 Satisfactory
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

FL, 13.2, 0.0 Water, T/.W.Deck,11-2011. * 10-13 FL 13.0 TOD 18' N of SE COR

AGE AND SERVICE

27. Year Built: 2011
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 50
30. Year of ADT: 2013
109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20)
41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor
Alt. Op. Rating Meth.: 1 LF Load Factor-To

64. Operating Rating (H / HS / 3-3):	43.5	70.2	0.0
66. Inventory Rating (H / HS / 3-3) :	26.1	42.1	0.0

65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 1/11/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 780. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.5 ft
48. Length Maximum Span: 28.5 ft
49. Structure Length: 30.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.0 ft
52. Width Out to Out: 26.0 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 80
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft
40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required
116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard
36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard
36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria
68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 80
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : _
_
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: _
_
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : _
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : _
221. Substructure Cond. (U/W) : _
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Excellent
224. Critical Feature Type: -1
225. Paint Type : _
Overcoat : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: No
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30338** Structure No.: 60N3550E0720001 Local ID:275B 1

Suff. Rating: 97.0 ND

Health Index : 70.5

Inspection Date:	10/4/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

New Construction, completed 2011. 1st inspection. 9 Beams, 2 braces @ 1/3 points.

NOTE - 3 of 5 piles @ N.Abut. have leveling materials welded to Cap. WATCH.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	780	780	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	175	0	0 %	175	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	16	16	100 %	0	0 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	52	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	90	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	New Deck, 2011. No visible Problems.
107	FX-Freckling, chalking, surface rust @ Flanges & Scattered.
202	Lite surface rust has formed on all columns. 6 pile at wings
219	Surface rust has formed or is forming on the unpainted Steel abutments.
231	Surface rust is froming or has formed on the unpainted caps.
330	Galv. Flexbeam. Attachment has wide post spacing & rail is lower than standards.
358	Small cracks in deck.
515	Freckling, chalking, surface rust @ Flanges & Scattered. Paint failing
690	Steel stay in place forms have some freckling & spotted areas with surface rust.
765	Freckling, Scaling, Chalking, & Surface rust @ Flanges & Scattered Thru-out.
919	

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	8.0	15.0	23.0	29.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.4	12.7	13.2	10.8	9.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Flowline	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking north

Picture 2 – Sideview looking west

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23399** Structure No.: 60N3570E0620003 Local ID:276 1 Suff. Rating: 97.0 ND Health Index : 65.3

IDENTIFICATION

Description:
48' I-BM SPAN
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3570 - 0
6. Feature Intersected: DEER CREEK
7. Facility Carried: EAGLE RD. EAGLE RD
9. Location: EAGLE RD\6TH ST .3S 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 06 44.15 17. Longitude: 096 38 33.05
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/10/2013	10/10/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	N	N	NA	**NA**	**NA**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 09 Rural Local 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) Not Applicable (P)
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 0
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 7 Good 59. Super.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
1/26/01 - Flowline to deck top = 18.3' * 1/2/2003 - Flowline to deck top = 18.6' sats channel profile
FL, 18.5, 12-09. - FL, 18.9, 1.2 water, 11-2011. * 10-13 FL TOD 15' N of SE COR

AGE AND SERVICE

27. Year Built: 1993 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 100 30. Year of ADT: 2013 109. Truck ADT %: 10
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

LOAD RATING AND POSTING

31. Design Load: 4 M 18 (H 20) 41. Posting status: A Open, no restriction
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 45.5 59.4 -1.1
66. Inventory Rating (H / HS / 3-3) : 27.2 35.6 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 9/26/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.9 ft
Deck Area: 1,256.1 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.3 ft
48. Length Maximum Span: 47.4 ft 49. Structure Length: 48.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.6 ft 52. Width Out to Out: 25.9 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U	DO NOT U

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $220,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $121,000 76. Lgth. of Improvment: 141.3 ft
96. Total Cost: $350,000 114. Future ADT: 160
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2033

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: 1 Not Required 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 6 Equal Min Criteria 68. Deck Geometry: 6 Equal Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 82
200d. Weather: PARTLY CLOUDY
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Skeleton
Type of Foundation : Steel Piling
209. Type of Pier / Found.: - -
-
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : -
Date Installed : 1/1/1901
213. Utilities Attached : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: NR
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 9999
Max. Measured Clearance : 9999
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: Perm. Metal Deck Forms (SIP)
236. Deck Cleaning : -1
238. School Bus Rte: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 43.0 / 8
244. Span Lengths :
50 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 2.500
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? _
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: Yes
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : _
256. Chan. Profile Up/Down Stream?: Down
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23399** Structure No.: 60N3570E0620003 Local ID:276 1

Suff. Rating: 97.0 ND

Health Index : 65.3

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 beams. 2 braces @ 1/3 points.

PX-Needs corner markers. FX-Needs vegetation cleared from approaches. Some minor bank erosion.
Vegetation in channel.
FX - Brush under contacting structure, North Bank.

Elm.	Env.	Description	Un.	Qty.	Qty.St. 1	% 1	Qty.St. 2	% 2	Qty.St. 3	% 3	Qty.St. 4	% 4	Qty.St. 5	% 5
12	1	Reinforced Concrete Deck	(SF)	1,241	0	0 %	1,241	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	304	0	0 %	304	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	96	96	100 %	0	0 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
690	1	Steel Stay-In-Place (SIP) Form	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	80	0	0 %	80	100 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Some minor wear and implement damage noted. 40% soil-gravel covered.
107	FX-Minor paint deterioration [Freckling, scaling] with light surface rust in most areas.
202	FX-Lite to Moderate Surface rust with V.Lite pitting on most surface areas. 8 pile at wings
219	FX-Lite to Moderate surface rust overall. Some leaching between seams in a few areas. -- Heavy rust @ base [groundline] of South Abutment, Sctd. Scaling.
231	FX-Lite to moderate surface rust overall on Unpainted Caps.
330	No Problem Areas noted. Wide Post Spacing. -- Low Rail, 'C' Channel posts.
358	Light cracking noted in several areas. Transverse cracks near end of deck.
515	Minor paint deterioration [Freckling, scaling] with light surface rust in most areas.
690	Steel S.I.P. forms in good condition. Freckling with lite surface rust near abuts.
765	FX-Moderate to heavy surface rust on most ends. Minor paint deterioration [freckling, Scaling] with light rust in most areas. -- Some light scaling on ends of several beams.
919	Galvanized Rails

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	5.0	10.0	15.0	21.0	34.0	47.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		14.8	15.0	17.7	18.9	17.7	10.9	10.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Wtr. Edge	Flowline	Wtr. Edge	Slope Ch.	Abutment	_	_	_	_	_	_	_	_

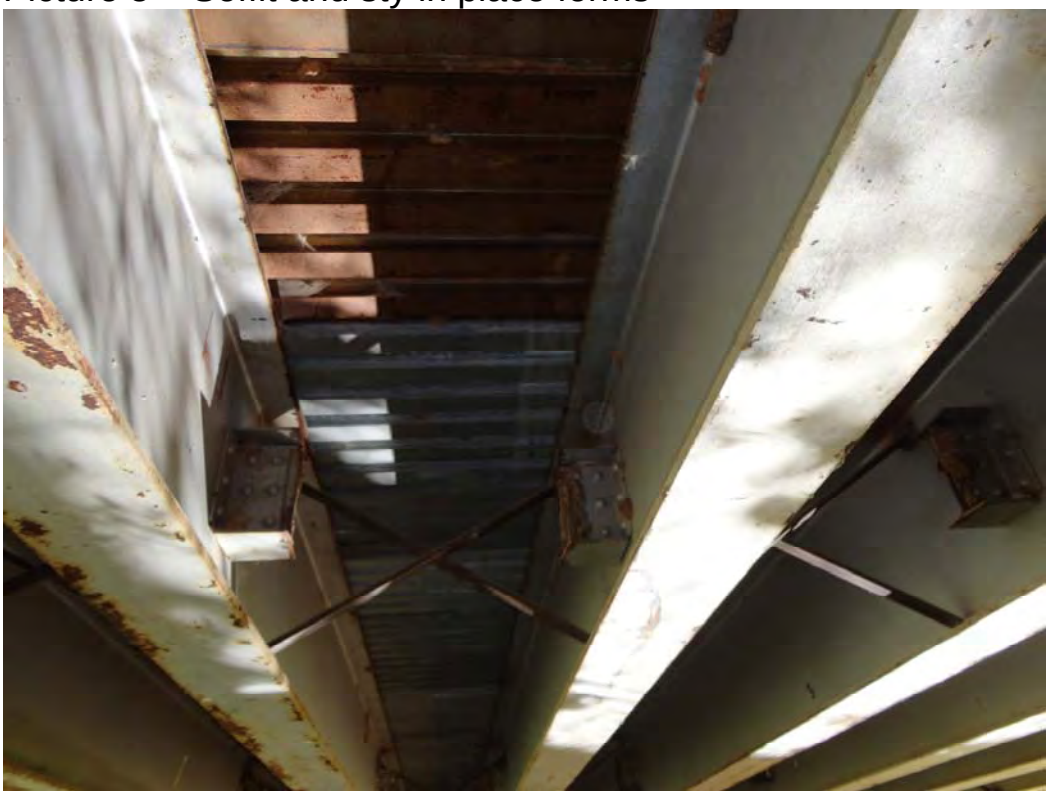
Picture 1 – Roadway looking south

Picture 2 – Sideview looking east

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Soffit and sty in place forms



Picture 6 – Concrete cracking

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10928** Structure No.: 60N3570E0680007 Local ID:277 1 Suff. Rating: 39.7 SD Health Index : 51.1

IDENTIFICATION

Description:
62' PONY TRUSS SPAN & 21', 25' I-BEAM SPANS
1. State: Oklahoma 2. SHD District: Division 4
3. County Code: PAYNE 4. Place Code: Unknown
Admin. Area: Cnty. District 1
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3570 - 0
6. Feature Intersected: EUCHEE CREEK
7. Facility Carried: OAKGROVE RD OAKGROVE RD
9. Location: OAKGROVE RD\80TH ST .7S 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 00.37 17. Longitude: 096 38 33.69
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel Truss-Thru
44. Approach Span Material and Design Type
Steel Stringer/Girder
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 2
107. Deck Type: 1 Concrete-Cast-in-Place
108A. Wearing Surface: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1948 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 81 30. Year of ADT: 2010 109. Truck ADT %: 15
42A. Type of Service on: 1 Highway
42B. Type of Service under: 5 Waterway

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 2,206.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 17.7 ft
48. Length Maximum Span: 62.0 ft 49. Structure Length: 108.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.0 ft 52. Width Out to Out: 20.3 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	-1	-1	-1	-1	-1	-1
Post.	-1	-1	-1	-1	-1	-1

55A/55B. Minimum Lateral Undrclearance R: N Feature not hwy or RR 0.0 ft
56. Minimum Lateral Undrclearance L: 0.0 ft

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/20/2012	4/7/2013
FC Freq.:	Y	N	24	**4/7/2011**	**4/7/2013**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	Y	24	**7/20/2012**	**7/20/2014**

CLASSIFICATION

12. Base Hwy Network : Not on Base Network 20. Toll Facility: 3 On free road
21. Custodian: 02 County Hwy Agency 22. Owner: 02 County Hwy Agency
26. Functional Class: 07 Rural Mjr Collecto 37. Historical Sig.: 5 Not eligible for NRHP
100. Defense Highway: 0 Not a STRAHNET h 101. Parallel Structure: No || bridge exists
102. Dir. of Traffic: 2 2-way traffic 103. Temp. Structure: Not Applicable (P)
104. Highway System: 0 Not on NHS 105. Fed. Land Hwy 1 IRR-Indian Res Rd
110. National Truck Network: 0 Not part of na 112. NBIS Length: Long Enough

CONDITION

58. Deck: 4 Poor 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
1/30/01 - Flowline = current to swift * 12/17/2006 - Flowline to deck top at E. side bent 2 = 26.0' fair channel profile * 2/4/03 - Flowline at centerline = 23.0' - 27.4' @ bent 1 (E) * 4/29/04 - Flowline at centerline = 24.7' - 25.2' at bent #1. * 4/7/2011 - FL TO TOD = 26.1' .*

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: P Posted for load
63. Op. Rating Method: 1 LF Load Factor-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 18.0 32.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 11.0 19.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 2 20.0-29.9%below Date Rated : 7/26/2004

PROPOSED IMPROVEMENTS

94. Bridge Cost: $287,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $143,500 76. Lgth. of Improvment: 213.8 ft
96. Total Cost: $459,200 114. Future ADT: 130
97. Year of Cost Est.: 2007 115. Year of Future ADT: 2030

NAVIGATION DATA

38. Navigation Control: Permit Not Required
39. Vertical Clearance: 0.0 ft 40. Horizontal Clearance: 0.0 ft
111. Pier Protection: Not Applicable (P) 116. Lift Bridge Vert. Clear.: 0.0 ft

APPRAISAL

36A. Bridge Rail: 0 Substandard 36C. Approach Rail: 0 Substandard
36B. Transition: 0 Substandard 36D. Approach Rail Ends: 0 Substandard
67. Str. Evaluation: 4 Minimum Tolerable 68. Deck Geometry: 4 Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 4 Tolerable
72. Approach Alignment: 4 Minimum Tolerable
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 99
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : -
-
204. Type of Handrail: Concrete Post and Rails
205. Material and Quantity : -1.0
208. Type of Abutment : Pedestal
Type of Foundation : Natural Foundation Matl.
209. Type of Pier / Found.: 2 Piers Yes
No Piling or Drilled Shaft
210. Foundation Elev. -1.0 -1.0
-1.0 -1.0 -1.0
211. Wear. Surf. Prot. System : None
Date Installed : 1/1/1901
213. Utilities Attached : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 171717
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : NO
Working/Not Working : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: -1
223. Appr. Slab/Rdwy Cond.: Satisfactory
224. Critical Feature Type: 1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: -1
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 53.0 / -1
244. Span Lengths :
26 -1 -1
62 -1 -1
26 -1
245. Girder Depth : -1.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/1901
246. Overlay Depth Changed > 1"? No
247. Protective Systems : 1: _
2: _ 3: _
4: _ 5: _
248. No. of Field Splices w/ Corrosion : -1
249. Scour Crit. POA exists?: _
250. Culvert Headwall Dist.: -1.0
254. Thru Truss Type : Pony
256. Chan. Profile Up/Down Stream?: _
257a. OkiePROS Auto. Truck Routing NA
258. Plans w/ found. are in file at ODOT
259. Scour Eval. is in file at ODOT
263. Interchange at Intersection
264. Interstate Milepoint -1.00

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10928** Structure No.: 60N3570E0680007 Local ID:277 1

Suff. Rating: 39.7 SD

Health Index : 51.1

Inspection Date:	7/20/2012	Reported By:	GWILSON
Invoice No.:	10055-06	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

O.S. Inspections to monitor scour at south abutment and south pier. 7-20-2012: No visible changes.

Load posting sign at the north end needs tree limbs removed from around it.

Additional Elements

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	0	21.0	53.0	83.0	108.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		15.0	23.2	22.4	26.1	15.9	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Pier	-	Pier	Abutment	_	_	_	_	_	_	_	_	_	_