OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27037** Structure No.: 60E0640N3400001 Local ID:086 1 Suff. Rating: 97.0 ND Health Index : 61.0

IDENTIFICATION

Description:
55' 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 - E0640 - 0
6. Feature Intersected: LITTLE STILLWATER CREEK
7. Facility Carried: MEHAN RD _MEHAN RD.
9. Location: 32ND ST\MEHAN RD .1E 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 15.05 17. Longitude: 096 56 27.27
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
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 to top of deck - 22.0' - 02/16/2006 - FL, 22.0, 11-09.
FL, 22.6, 0.6 water, 11-2011. * 10/11/13 - FL 22.6 TOD 28' Ewas of sw cor

AGE AND SERVICE

27. Year Built: 2002 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: 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): 55.0 69.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 33.0 41.0 -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 : 8/24/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,437.8 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: 54.4 ft 49. Structure Length: 55.3 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: $225,441 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $112,721 76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $375,360 114. 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: 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: 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 : 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: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 38.0 / -1
244. Span Lengths :
54 -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"? 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.: **27037** Structure No.: 60E0640N3400001 Local ID:086 1

Suff. Rating: 97.0 ND

Health Index : 61.0

Inspection Date:	10/11/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

9 beams, 1 brace @ mid point.

FX - fill settled at NE wing. * FX - Brush @ both West Corners blocking bridge corners [REMOVE]. * FX - Household trash in creek *

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)	1,404	1,404	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	404	0	0 %	404	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)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	112	112	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)	89	0	0 %	89	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 %
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 - Lite gravel on deck. No Notable Problems. 10% covered preventing drainage from deck.
107	FX - Rust top and bottom flanges with light pitting. - Paint scaling & peeling with lite metal bare spots, scattered.
202	FX - Moderate rust has formed with light scaling at ground line. 10 piles at wings.
219	FX - Lite to Moderate surface rust. Light scaling at ground line.
231	FX - Light rust has formed on most areas, ends have moderate surface rust only.
330	Weak Posts, good rail, 6'-3" spacing.
515	Rust top and bottom flanges with light pitting. - Paint scaling & peeling with lite metal bare spots, scattered.
690	
765	FX - Rust top and bottom flanges with light pitting. - Scattered bare spots.
919	
965	Minor this date

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	15.0	22.0	29.0	34.0	45.0	54.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.6	14.3	20.5	22.3	22.6	21.8	20.7	16.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Wtr. Edge	Flowline	Slope Ch.	_	Abutment	_	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – Sideview looking southwest

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27036** Structure No.: 60E0640N3400003 Local ID:087 1 Suff. Rating: 86.0 ND Health Index : 61.5

IDENTIFICATION

Description:
24' I-BEAM SPAN, SK20LF
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 - E0640 - 0
6. Feature Intersected: CREEK
7. Facility Carried: E0640 _MEHAN ROAD
9. Location: 32ND ST\MEHAN RD .3E 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 15.00 17. Longitude: 096 56 14.00
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	10/11/2013	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
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.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
FL to top of deck - 15.0' - 02/16/2006, 2011, 2013. - TOD 20' E of SW COR FL, 15.7, 0.0 water

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: 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): 61.9 100.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 37.0 67.0 -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 : 8/24/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 624.3 sq. ft 33. Median: 0 No median
34. Skew: 20 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.3 ft
48. Length Maximum Span: 23.0 ft 49. Structure Length: 23.9 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

PROPOSED IMPROVEMENTS

94. Bridge Cost: $156,178 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $78,089 76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $260,036 114. 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: 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: 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 : 38.0 / -1
244. Span Lengths :
23 -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 : 10/11/2013
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.: **27036** Structure No.: 60E0640N3400003 Local ID:087 1

Suff. Rating: 86.0 ND

Health Index : 61.5

Inspection Date:	10/11/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

9 beams. 1 brace @ mid-point.
Actual HS operating rating is 111.4 tons.

FX - Brush @ South Corners, Remove. * Moderate bank & channel erosion with some slumping * Brush at each 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)	619	0	0 %	619	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	125	0	0 %	125	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)	49	49	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 %
510	1	Wearing Surfaces	(SF)	619	619	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)	89	0	0 %	59	66 %	30	34 %	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 - 1 inch soil or gravel on 95% of deck.
107	FX - Rust top and bottom flanges with light pitting.
202	FX - Lite surface rust W/ Minor pitting @ groundline.
219	FX - Lite to Moderate surface rust.
231	FX - Surface rust is forming or has formed.
330	Galv. flexbeam Rail is good, 'Weak' Posts.
363	FX - Loss not serious any area.-- Lite on I-Beams, Pitting. Minor
510	0.5 soil in covers 50% of deck
515	Rust top and bottom flanges with light pitting. Paint failing
690	
765	FX - Rust top and bottom flanges with light-mod. pitting.
919	Galvanized coating

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	10.9	1.5	6.0	13.0	19.0	23.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.9	12.5	15.0	15.7	15.5	-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 east

Picture 2 – Sideview looking north

Picture 3 – Sideview looking north

Picture 4 – East abutment

Picture 5 – West abutment

Picture 6 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29657** Structure No.: 60E0640N3480006 Local ID:087A 1 Suff. Rating: 88.9 ND Health Index : 64.4

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 - E0640 - 0
6. Feature Intersected: COUNCIL CREEK
7. Facility Carried: E0640 E0640
9. Location: 4.4W, 1.7S OF YALE 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 12.00 17. Longitude: 096 47 27.00
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: 6 Bank Slumping
Flowline Notes:
FL, 10.5 TO S.TOP DECK. 0 WATER. 12-09. - FL, 11.0, 0.4
Water, 11-2011. 10-13 FL 10.6 TOD 2' E of SW COR

AGE AND SERVICE

27. Year Built: 2009 106. Year Reconstructed: -4
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 0.0 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): 24.4 44.0 0.0
66. Inventory Rating (H / HS / 3-3) : 14.5 26.3 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): 24.0 ft
Deck Area: 520. 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: 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: 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: $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: 80
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: 8 Equal Desirable
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 : 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: 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?: _
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.: **29657** Structure No.: 60E0640N3480006 Local ID:087A 1

Suff. Rating: 88.9 ND

Health Index : 64.4

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

New structure. 1st Inspection 2009. 9 beams. 1 brace @ midpoint.

Vegetation in uspsteam channel.

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)	508	508	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)	17	0	0 %	17	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)	40	0	0 %	40	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 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-Scattered gravel or dirt on deck.
107	FX-Surface or freckled rust has formed, beams have black coating. . - 3 beams show moderate surface rust, little or no coating.-
202	FX-Surface rust has formed or is forming on unpainted metal. - Lite scaling, staining @ base of West Abut. piles.
219	FX-Surface rust has formed or is forming on unpainted steel.
231	FX-Surface rust has formed or is forming on unpainted steel.
330	FX-N. rail shows some surface staining [lite distress]. 'Weak Posts', rail is taller than standard.
515	Surface or freckled rust has formed, beams have black coating. . - 3 beams show moderate surface rust, little or no coating.-
690	Steel Stay in place forms, w/ scattered freckling
765	FX-Surface or freckle rust is prevalant. - Beams have black coating. 3 beams have little or no coating, Moderate Surface rust.
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	5.0	11.0	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		10.9	11.0	10.3	9.6	-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	_	Abutment	_	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23514** Structure No.: 60E0650N3200002 Local ID:088 3 SD

Suff. Rating: 44.3 Health Index : 33.7

IDENTIFICATION

Description:
21' 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 - E0650 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 44TH ST (E0650) _E 0650
9. Location: 44TH ST&PLEASANT VY .2E 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 20.08 17. Longitude: 097 17 54.96
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	12	7/18/2015	7/18/2016
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: 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: 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.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:

12/7/09 FL 11.5 TOD 10' E of SW COR * FL 11.6 TOD 10' E OF SW COR * FL 11.5 TOD 11' E OF SW COR* 7/18/15- FL 11.7 TOD 11' E OF SW COR

AGE AND SERVICE

27. Year Built: 1935 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: 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): 15.0 27.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 9.0 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 : 5/25/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 366. 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: 19.2 ft 49. Structure Length: 20.5 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 327.8 ft
56. Minimum Lateral Undrclearance L: 327.8 ft

PROPOSED IMPROVEMENTS

94. Bridge Cost: $139,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $77,000 76. Lgth. of Improvment: 89.4 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: 4 Minimum 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: 8 Stable Above Footing

200c. Temperature: 90
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 : 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: 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.: 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: Not on Desired or Current
240. Appr. Roadway Type: Dirt

243. Girder Spacing/Number : 24.0 / -1
244. Span Lengths :
20 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 10.000
246. Type of Overlay : Soil
246. Overlay Thickness : 2.0
246. Overlay Date : 5/25/2004
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.: **23514** Structure No.: 60E0650N3200002 Local ID:088 3

Suff. Rating: 44.3 SD

Health Index : 33.7

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

Structure / Inspection Notes

* PX - heavy bank erosion w/bottom of both abutments exposed & some loss of fill on west * PX - needs all corner markers * Good soil roadway, some gravel present * Fair chance of overtopping * Channel fairly clear * Satisfactory ditches * Bridge not long enough for creek - NEEDS REPLACED. *

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)	369	0	0 %	369	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	226	0	0 %	0	0 %	226	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	0	0 %	8	80 %	2	20 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	3	0	0 %	3	100 %	0	0 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	36	0	0 %	18	50 %	6	17 %	12	33 %	0	0 %
231	1	Steel Pier Cap	(LF)	36	0	0 %	0	0 %	36	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	40	0	0 %	0	0 %	0	0 %	40	100 %	0	0 %
510	1	Wearing Surfaces	(SF)	369	0	0 %	369	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
968	1	Erosion	(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
31	FX-Up to 2 inches of soil build up between and outside the runners
107	PX-Rust Minor pitting on all 11 girders
202	PX - Rust. Pitting - section loss at base. Two piles at wings. Two pile in west abutment north end has large holes near ground line.
206	FX-3 timber pile at wings
216	PX - Bottom plank falling down on west abutment w/loss of fill evident. --- No roadway settlement.
231	PX-Heavy surface rust with scaling.
330	FX-Heavy surface rust overall. Rail low and weak. Loose on north side
510	Upto 2 inches of soil build up between and outside the runners
963	PX - Older structure with rusty steel items. Heavy loss on base west pile. Holes through pile NW COR.
968	FX-Erosion behind abutment at SW corner (photo)
970	PX - SW wing failed

Picture 1 – Roadway Looking East

Picture 2 – West Weight Limit Sign

Circle # 88

Picture 3 – East Weight Limit Sign

Picture 4 – Sideview Looking North

Circle # 88

Picture 5 – West Abutment

Picture 6 – East Abutment

Circle # 88

Picture 7 – Girders

Picture 8 – Base Northwest Pile

Picture 9 – Base East Pile

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22978** Structure No.: 60E0650N3350008 Local ID:089 3

Suff. Rating: 84.7 ND

Health Index : 68.9

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 - E0650 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 44TH ST (E0650) _
9. Location: 44TH ST & JARDOT RD .8E
11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 20.99
17. Longitude: 097 01 08.17
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: 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: 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

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 914.4 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: 34.0 ft
49. Structure Length: 34.9 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	7/20/2015	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

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 bridge - 14.0' 02/10/2009 - FL, 14.0, 11-09 * 7/26/11 FL 14.3 TOD 16 E of SW COR * 7.18.13 fl 14.5 tod 17' e of sw 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): 36.0 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 : 5/26/2004

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: 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: 94
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.: 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 : Chipseal
246. Overlay Thickness : 1.5
246. Overlay Date : 5/26/2004
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.: **22978** Structure No.: 60E0650N3350008 Local ID:089 3

Suff. Rating: 84.7 ND

Health Index : 68.9

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

Structure / Inspection Notes

* Erosion on NE 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)	893	804	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)	16	0	0 %	16	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)	70	45	64 %	25	36 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	893	0	0 %	893	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 %
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 - Asphalt breaking up
107	Rust with minor pitting on bottom flange.
202	FX - Rust with scaling at grade line. 6 pile at wings
219	FX - Heavy surface rust only.
231	FX - Heavy surface rust only.
330	Surf. or freckling is forming or has formed on part.
510	Overlay of 1 1/2 inch chip & seal. * FX- Overlay along rails retards deck drainage
515	Rust with minor pitting on bottom flange.
865	Rust with minor scaling on bottom flange. * Large logs under bridge
890	FX- Beginning to rust
919	Beginning to rust
963	Loss on girder ends less than 5 %
965	FX - Brush pile north edge bridge in creek

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking North

Circle # 89

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24227** Structure No.: 60E0650N3400002 Local ID:090 1 Suff. Rating: 84.7 ND Health Index : 70.2

IDENTIFICATION

Description:
77' I-BEAM SPAN, SK75RF
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 - E0650 - 0
6. Feature Intersected: LITTLE STILLWATER CREEK
7. Facility Carried: 44TH ST (E0650) _
9. Location: 44TH ST & MEHAN RD .2E 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 23.19 17. Longitude: 096 56 29.76
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	7/18/2013	7/18/2015
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
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: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 23.8' - 02/16/2009 - FL, 23.5, 11-09. 2013 FL 24.5 TOD 31' E OF SW COR

AGE AND SERVICE

27. Year Built: 1996 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): 39.0 55.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 25.0 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 : 5/26/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 2,045.1 sq. ft 33. Median: 0 No median
34. Skew: 15 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.1 ft
48. Length Maximum Span: 75.8 ft 49. Structure Length: 76.6 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.1 ft 52. Width Out to Out: 26.7 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: $275,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $151,000 76. Lgth. of Improvment: 176.9 ft
96. Total Cost: $439,000 114. 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: 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: 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 : 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 : 52.0 / -1
244. Span Lengths :
76 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
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.: **24227** Structure No.: 60E0650N3400002 Local ID:090 1

Suff. Rating: 84.7 ND

Health Index : 70.2

Inspection Date:	7/18/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	-1
		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)	1,999	0	0 %	1,999	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	466	0	0 %	466	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)	54	0	0 %	54	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	54	0	0 %	54	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	153	153	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	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	0.5 to 1 in. soil on deck edges @ rail. Minor this date (2013).
107	FX - Some light to moderate pitting on some girder ends. 2 to 10 feet areas affected. Heavy surface rust on exposed areas. Lots of paint left. Loss not serious. Rust top and bottom flanges with minor scaling.
202	Heavy surface rust. 9 pile at wings
219	Heavy surface rust. Minor scaling at grade line.
231	Moderate rust.
330	< none >
515	FX - Some light to moderate pitting on some girder ends. 2 to 10 feet areas affected. Heavy surface rust on exposed areas. Lots of paint left. Loss not serious. Rust top and bottom flanges with minor scaling.
690	Areas of rust.
765	FX - Some light to moderate pitting on some girder ends. 2 to 10 feet areas affected. Heavy surface rust on exposed areas. Lots of paint left. Rust top and bottom flanges with minor scaling.

Picture 1 – Roadway looking east

Picture 2 – Side view looking north

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23879** Structure No.: 60E0650N3440009 Local ID:091 1 Suff. Rating: 69.0 SD Health Index : 59.7

IDENTIFICATION

Description:
26' 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 - E0650 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 44TH ST. 44TH ST
9. Location: 44TH ST\CNCL CRK RD .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 21.37 17. Longitude: 096 51 23.14
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: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
1/25/01 - Flowline to deck top = 9.9' * 1/3/2003 - Flowline to deck top = 9.8' sats channel profile
FL, 9.8', F/top deck, 10-09. - FL, 9.6, 0.3 Water, 11-2011. * 10-13 FL 9.9' TOD 18' E of SW

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: 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: 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): 38.7 67.6 -1.1
66. Inventory Rating (H / HS / 3-3) : 23.1 40.4 -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 : 1/13/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 595.7 sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 22.3 ft
48. Length Maximum Span: 25.9 ft 49. Structure Length: 25.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 22.3 ft 52. Width Out to Out: 23.0 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: $156,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $86,000 76. Lgth. of Improvment: 99.9 ft
96. Total Cost: $246,000 114. 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: 4 Minimum 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: 7 Above Min Criteria
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 : 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: 101010
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 : 38.0 / -1
244. Span Lengths :
26 -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?: _
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.: **23879** Structure No.: 60E0650N3440009 Local ID:091 1

Suff. Rating: 69.0 SD

Health Index : 59.7

Inspection Date:	10/19/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

* beams.

FX-Needs vegetation cleared from approaches. Channel has a lot of vegetation growth. - Erosion along SE and SW approach embankments.

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)	577	520	90 %	57	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	128	0	0 %	128	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 %	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)	52	0	0 %	52	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)	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)	80	0	0 %	76	95 %	4	5 %	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	Some minor Popouts noted. - 45% gravel covered. 5% covered 10-19-13
107	FX-Moderate to heavy surface rust on flanges of Beams. Exterior beams worst.
202	PX-Lite to Moderate surface rust overall.
219	FX-Moderate to Heavy surface rust with pitting overall. Some deep pitting on several areas of west abutment.
231	FX-Some lite pitting on west cap. Moderate to heavy surface rust overall. Rust has formed on East Cap.
330	Galv. Flexbeam, Wide post spacing, No end units.
358	Random cracking along center of structure.
363	FX-Sec loss noted on Beam ends & Pitting @ abuts. Base pile west abut.
515	Moderate to heavy surface rust on flanges of Beams. Exterior beams worst.
690	FX-Steel SIP forms in good condition with lite surface rust thru-out.
765	FX - 2 ft area on west end of south girder has minor loss. Moderate to heavy surface rust on flanges of other exterior beam. Needs coating.
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	7.0	11.0	17.0	19.0	21.0	24.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		6.0	7.7	8.5	9.3	9.6	9.3	7.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Flowline	Wtr. Edge	_	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – East weight limit sign

Picture 3 – West weight limit sign

Picture 4 – Side view looking north

Picture 5 – East abutment

Picture 6 – West abutment

Picture 7 – Girders and SIP forms

Picture 8 – Base pile east abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20812** Structure No.: 60E0650N3480001 Local ID:092 1

Suff. Rating: 100.0 ND

Health Index : 94.8

IDENTIFICATION

Description:
2-40', 30' PAN GIRDER 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 - E0650 - 0
6. Feature Intersected: COUNCIL CREEK
7. Facility Carried: 44TH ST. 44TH ST
9. Location: 44THST\BATTLE RGE RD.1E 11. Mile Post: 8.598 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 19.92 17. Longitude: 096 47 59.57
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
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: 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:
1/25/01 - Flowline to deck top = 25.7' * 1/3/2003 - FL to deck top = 24.4' sats channel profile
FL, 26.8, 2.1 Water, 11-2011. * 10/12/13 - FL 26.9 TOD 65' E of SW COR

AGE AND SERVICE

27. Year Built: 1984 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 %: 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 59.0 -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 : 3/11/1997

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 3,116. 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: 40.0 ft 49. Structure Length: 112.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.9 ft 52. Width Out to Out: 27.6 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: $339,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $187,000 76. Lgth. of Improvment: 217.9 ft
96. Total Cost: $542,000 114. 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: 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: 7 Above Min Criteria
113. Scour Critical: 7 Countermeasures

200c. Temperature: 65
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.: 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: Other
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 :
40 -1 -1
40 -1 -1
30 -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.: **20812** Structure No.: 60E0650N3480001 Local ID:092 1

Suff. Rating: 100.0 ND

Health Index : 94.8

Inspection Date:	10/12/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

10 beams. Design has no joints on deck. -- No Visible Bearings.

PX -Brush @ corners restricting roadway width and hide unmarked deck corners and rail ends - Remove.
FX - Some minor erosion around pier columns. Channel eroding westward in curve north of structure.

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)	2,924	2,632	90 %	292	10 %	0	0 %	0	0 %	0	0 %
110	1	Reinforced Conc Open Girder/Beam	(LF)	1,129	1,050	93 %	79	7 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	3	75 %	1	25 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	56	56	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	226	215	95 %	11	5 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	0	0 %	1	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 %
818	1	Integral Abutment	(LF)	56	55	99 %	1	1 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(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	Numerous small pop-outs and minor wear with exposed aggregate. Mainly down centerline of structure.
110	Some minor damage and chipping on outer girders from drift removal. No steel visible. Some very small vertical cracks in many girder stems at 20 in. intervals. Not serious. Some minor chipped areas on a few girders in east span.
205	Light scaling on north column of East pier. All 4 footing 'Cans' exposed, to 3 ft.
234	No problems noted.
331	Minor chipped-spalled areas along top edge from equipment.[Debris Removal]
358	FX - Med cracks in deck (photos)
659	FX - Light cracking in tops of most spans. Some near pier in span 2 and 3 with Lite Leaching. No spalls visible.
818	Surface Defects, Scrapes, Staining.
965	No debris this date
968	PX - Erosion beginning base each pier (photos)

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	10.0	35.0	41.0	49.0	60.0	70.0	76.0	82.0	96.0	111.5	-1.0	-1.0	-1.0	-1.0
Profile		6.0	8.0	19.8	20.2	24.7	26.9	26.9	24.7	23.4	17.5	9.8	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Pier	Wtr. Edge	Flowline	Flowline	Wtr. Edge	Pier	_	Abutment	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – East abutment

Picture 4 – Base west pier

Picture 5 – Base east pier

Picture 6 – Deck cracking

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30918** Structure No.: 60E0660N3190002 Local ID:093 3

Suff. Rating: 97.0 ND

Health Index : 100.0

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 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0660 - 0
6. Feature Intersected: CLEAR CREEK
7. Facility Carried: E0660 (56TH ST) E0660 (56TH ST)
9. Location: .2E OF MAJOR ON 56TH ST.
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 28.42
17. Longitude: 097 19 00.63
98. Border Br. Code: Unknown (P) % Resp. : Unkn
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: 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 %: 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: 1,212.7 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 28.0 ft
48. Length Maximum Span: 40.4 ft
49. Structure Length: 42.4 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 28.0 ft
52. Width Out to Out: 28.6 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

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

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:

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):	100.0	100.0	0.0
66. Inventory Rating (H / HS / 3-3) :	63.0	87.9	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 : 7/29/2013

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: 7 Above Min Criteria
68. Deck Geometry: 7 Above 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: 87
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 : 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: 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 : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 7/29/2013
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?: _
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.: **30918** Structure No.: 60E0660N3190002 Local ID:093 3

Suff. Rating: 97.0 ND

Health Index : 100.0

Inspection Date:	7/18/2015	Reported By:	GWATKINS2
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

REPLACES NBI 00021.

< 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)	1,213	1,213	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	270	270	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	26	26	100 %	0	0 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	58	58	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	58	58	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	86	86	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	728	728	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,534	3,534	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	90	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)	1,300	1,300	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	92	92	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Tall grass hides deck corners
107	< none >
202	8 Pile at wings
219	FX- Both banks are unprotected from erosion or scour
231	< none >
330	< none >
510	Light gravel overlay retards deck drainage
515	< none >
865	< none >
890	< none >
918	
919	

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking South

Circle # 93

Picture 3 – East Abutment

Picture 4 – West Abutment

Circle # 93

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **08571** Structure No.: 60E0660N3200000 Local ID:094 3 Suff. Rating: 57.3 ND Health Index : 75.1

IDENTIFICATION

Description:
34' 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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST (E0660) _
9. Location: 56TH ST & PLEASANT VY 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 28.31 17. Longitude: 097 18 06.61
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: 8 Gravel
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 14.0'. - FL, 14.0', 11-09. 7/7/11 FL 17.8 TOR at SE COR *
7/18/15- FL 17.9 TOR SE COR

AGE AND SERVICE

27. Year Built: 1940 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: 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): 17.0 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: 2 20.0-29.9%below Date Rated : 8/2/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 723.6 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.6 ft
48. Length Maximum Span: 31.9 ft 49. Structure Length: 33.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 19.6 ft 52. Width Out to Out: 21.6 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: $180,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $99,000 76. Lgth. of Improvment: 115.6 ft
96. Total Cost: $285,000 114. 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: 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: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 86
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 : 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: 171717
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 : 42.0 / -1
244. Span Lengths :
34 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 20.000
246. Type of Overlay : Soil
246. Overlay Thickness : 2.5
246. Overlay Date : 8/2/2011
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.: **08571** Structure No.: 60E0660N3200000 Local ID:094 3

Suff. Rating: 57.3 ND

Health Index : 75.1

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

Structure / Inspection Notes

* Deck Controls Rating *

Old Str. Built 1940. * Needs markers North side * Needs brush cut back south 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)	656	0	0 %	590	90 %	66	10 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	168	0	0 %	168	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	43	40	93 %	3	7 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	70	35	50 %	0	0 %	0	0 %	35	50 %	0	0 %
510	1	Wearing Surfaces	(SF)	656	0	0 %	656	100 %	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 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	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-2.5 inches of soil over deck. 5" concrete deck controls rating.
107	FX-Moderate rust bottom plate.
215	Southeast wing is cracked at top.
331	PX-North railing is gone. Car could go over bridge.
510	2.5 inches of soil over deck.
859	No notable problems.
865	FX-Rust with minor scaling.
963	FX-Rust with minor scaling @ beam ends. Less that 5%
968	Base of east abutment (Photo)

Picture 1 – Roadway Looking West

Picture 2 – East Weight Limit Sign

Circle # 94

Picture 3 – Sideview Looking North

Picture 4 – East Abutment

Circle # 94

Picture 5 – West Abutment

Picture 6 – Girders

Circle # 94

Picture 7 – Soffit

Picture 8 – West Weight Limit Sign

Circle # 94

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29447** Structure No.: 60E0660N3200009 Local ID:095 3 Suff. Rating: 86.0 ND Health Index : 69.1

IDENTIFICATION

Description:
40' I-BEAM SPAN, SK 70 DEG LF
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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST (E0660) _
9. Location: 56TH ST & PLEASANT VY .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 30.00 17. Longitude: 097 17 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	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
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.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
Flowline to top of deck 16.5'. - FL, 16.5, 11-09 * 7/7/11 FL 18.8 TOD at NW COR * 7/18/15- FL 18.7 TOD AT NW COR

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 %: 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): 49.0 70.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 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 : 8/2/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 1,016. sq. ft 33. Median: 0 No median
34. Skew: 20 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.8 ft
48. Length Maximum Span: 39.2 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: 24.8 ft 52. Width Out to Out: 25.4 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: $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.: 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: 5 Stable w/in footing

200c. Temperature: 86
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.: 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: 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 : 48.0 / -1
244. Span Lengths :
40 -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 : 8/2/2011
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.: **29447** Structure No.: 60E0660N3200009 Local ID:095 3

Suff. Rating: 86.0 ND

Health Index : 69.1

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

Structure / Inspection Notes

* Deck Controls Rating *

* FX-Brush needs 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)	992	992	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)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	60	0	0 %	60	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)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	992	0	0 %	992	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,079	0	0 %	2,079	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	88	0	0 %	0	0 %	88	100 %	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" Dirt on deck, FX-Dirt overlay on deck edges prevent drainage.
107	FX-Age
202	FX-8 pile at abutments. Minor rust
219	FX-Minor rust, PX-Both banks are unprotected against erosion or scour. * FX- Water stands along 75% of wests abutment at the north end.
231	FX-Rusty
330	< none >
510	Loose gravel and dirt overlay retards deck drainage
515	FX-Fair paint
865	Paint beginning to fail
890	Stay in place forms
919	Failing
968	PX-Erosion base west abutment north end (photo)

Picture 1 – Roadway Looking West

Picture 2 – West Abutment

Circle # 95

Picture 3 – East Abutment

Picture 4 – Girders

Picture 5 – East Weight Limit Sign

Picture 6 – West Weight Limit Sign

Circle # 95

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00335** Structure No.: 60E0660N3280001 Local ID:096 3 Suff. Rating: 36.3 SD Health Index : 61.2

IDENTIFICATION

Description:
34 FT. 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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST (E0660) _
9. Location: 56TH ST & COTTONWD .1E 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 28.34 17. Longitude: 097 09 26.51
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	7/23/2015	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: 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 Continuous Stringer/Girder
44. Approach Span Material and Design Type
Steel Continuous Stringer/Girder
45. No. of Spans Main Unit: 1 46. No. of Approach Spans: 2
107. Deck Type: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 5 Fair 60. Sub.: 3 Serious
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck - 15.5' - 02/07/2006 - FL, 15.5, 12-09 * 7/15/11 FL 16.1 TOD 16' E of SW COR * 07/10/2013 FL 16.2 TOD 17' E OF SW COR *

AGE AND SERVICE

27. Year Built: 1913 106. Year Reconstructed: 1985
28A. Lanes on: 1 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: 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): 27.0 45.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 16.0 27.0 -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 : 8/2/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 544. 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: 27.0 ft 49. Structure Length: 34.0 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: $180,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $99,000 76. Lgth. of Improvment: 115.6 ft
96. Total Cost: $285,000 114. Future ADT: 40
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: 3 Intolerable - Correct 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: 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: Steel Post and Rail
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: 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: 1301
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 : 23.0 / -1
244. Span Lengths :
34 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 15.000
246. Type of Overlay : Soil
246. Overlay Thickness : 2.0
246. Overlay Date : 8/2/2011
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.: **00335** Structure No.: 60E0660N3280001 Local ID:096 3

Suff. Rating: 36.3 SD

Health Index : 61.2

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

Structure / Inspection Notes

PIERS & CAPS ADDED IN FRONT OF ABUTMENTS RESULT IN 3' CANTILEVER SPANS ON EACH END.

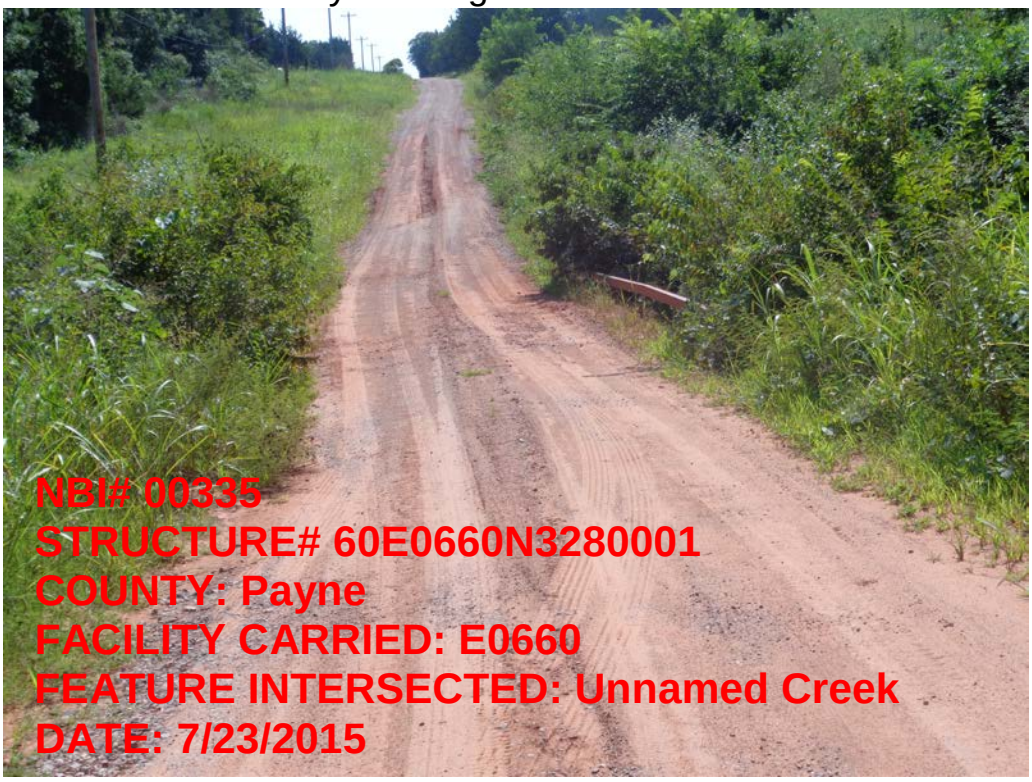
PX - SW ditch has eroded side of approach badly and needs rerouted. * Brush needs cut back *

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
31	1	Timber Deck	(SF)	544	0	0 %	544	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	306	0	0 %	280	92 %	26	9 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	6	0	0 %	6	100 %	0	0 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	32	0	0 %	0	0 %	24	75 %	8	25 %	0	0 %
231	1	Steel Pier Cap	(LF)	32	0	0 %	32	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	68	0	0 %	68	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	544	544	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	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-2 inch soil average on deck. Some discoloration below.
107	FX-Moderate Rust. On ends covered with soil.
202	FX-Heavy surface rust with scaling overall.
217	PX - Each corner crumbled badly at top. Light to moderate mortar loss in some areas. --- Backwall only, little suppost to beams. ---- NOTE, 3 Steel piles added in just front of rock abuts. with steel cap supporting beam ends.
231	FX-Heavy surface rust.
330	FX-Rail replaced. Light to moderate surface rust only. Low rail, lite attachment. Lite posts. Impact NW corner. Weak
510	2 inch soil average on deck. Some discoloration below.
963	FX-Section loss on pile 10% * Loss on girders 10%
968	FX- Erosion behind west abutment SW corner (photo). FX- Flow line is close to W abutment & needs to be moved toward midspan, and then protected from more erosion + potential scour.
970	PX - NW wing separated at top approximately 1 foot. No loss of fill yet. * SW wing failed causing erosion behind rock abutment

Picture 1 – Roadway Looking East



Picture 2 – West Abutment

Circle # 96

Picture 3 – East Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24638** Structure No.: 60E0660N3290008 Local ID:096A 3 Suff. Rating: 86.0 ND Health Index : 46.0

IDENTIFICATION

Description:
35' I-BEAM 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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST (E0660) _E 0660
9. Location: 15TH ST & RANGE RD .8E 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 28.44 17. Longitude: 097 07 35.37
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	7/23/2015	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: 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:
7/18/11 FL 13.6 TOD 24' E of SW COR * 07/09/2013 FL 13.4 TOD 24' E OF SW COR
*7/23/15- FL 13.3 TOD 23' E OF SW COR

AGE AND SERVICE

27. Year Built: 1996 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): 40.0 72.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 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 : 1/4/2005

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 945. sq. ft 33. Median: 0 No median
34. Skew: 15 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.5 ft
48. Length Maximum Span: 34.0 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: 26.5 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: $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: 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: 83
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: 9601
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 : 46.0 / -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 : 1/4/2005
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.: **24638** Structure No.: 60E0660N3290008 Local ID:096A 3

Suff. Rating: 86.0 ND

Health Index : 46.0

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

Structure / Inspection Notes

Exfoliation on 3 piles. FX- Tree limbs need to be cut back from SOUTH rail.

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)	927	834	90 %	93	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 %	0	0 %	18	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	54	0	0 %	48	89 %	6	11 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	54	0	0 %	0	0 %	54	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	70	66	94 %	4	6 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	231	0	0 %	231	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	77	77	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	Minor distress. Dirt on each edge of deck
107	FX- Moderate rusting on all. Minor pitting. No paint
202	PX - Minor loss and exfoliation to 3 piles. Heavy rust overall. Very heavy wall pipe (1/2 in.) * 8 pile at wings
219	FX-Moderate to heavy surface rust overall.
231	PX-Moderate to heavy rust. No loss
330	FX - Moderate damage at SW corner, needs welded. * FX- Tall grass hides deck corners and rail ends
510	FX- Gravel overlay along both rails retards deck drainage. Covers 25% of deck
865	FX-Some light to moderate pitting on bottom flange of 2nd beam from north. Moderate surface rust on exposed areas. Lots of paint on web areas.
890	Stay in place forms in good condition.
919	
958	Minor deck cracking - not leaking thru
963	FX - Exfoliation noted on 3 steel piles, Item 201. Less than 5% on girders

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 96A

Picture 3 – East Abutment

Picture 4 – West Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22462** Structure No.: 60E0660N3360005 Local ID:097 3

Suff. Rating: 86.0 ND

Health Index : 36.4

IDENTIFICATION

Description:
27' 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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST(E0660) _
9. Location: 56TH ST & BRUSH CRK .5E
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 29.27
17. Longitude: 097 00 21.24
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: 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: 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

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 699.7 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: 26.2 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: 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

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

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 - 14.7' - 03/06/2006. - FL, 14.7', 10-09. * 7/26/11 FL 16.0 TOD 13' E of SW COR * 2013 FL 16.1 TOD 14' E OF SW COR *7/22/15- FL 16.2 TOD 14' E OF SW 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):	39.0	66.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	23.0	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 : 8/2/2011

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: 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: 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.: 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 : 51.0 / -1
244. Span Lengths :
27 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : _
246. Overlay Thickness : 0
246. Overlay Date : 1/1/2007
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?: 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.: **22462** Structure No.: 60E0660N3360005 Local ID:097 3

Suff. Rating: 86.0 ND

Health Index : 36.4

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

Structure / Inspection Notes

Built 1990.

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)	688	0	0 %	688	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	119	0	0 %	0	0 %	119	100 %	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 %	52	100 %	0	0 %	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)	52	52	100 %	0	0 %	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	59	59	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- Deck is bare. Large chips out (PHOTO) FX- Tall grass hides deck corner markers
107	PX- Light to moderate pitting.
202	FX - Minor exfoliation at ground. Rusty. Needs Coating or Seal with Concrete? 8 pile at wings.
219	PX- Initial exfoliation started @ ground line, all areas. Heavy rust overall.
231	FX- Surface rust with light scaling overall.
330	< none >
865	Light to moderate pitting.
890	< none >
919	
963	FX - Exfoliation mentioned on Steel Abut. & Steel Piles. 5% loss.

Picture 1 – Roadway Looking West

Picture 2 – East Approach

Circle # 97

Picture 3 – Sideview Looking South

Picture 4 – West Abutment

Circle # 97

Picture 5 – East Abutment

Picture 6 – Girders

Picture 7 – Deck

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27062** Structure No.: 60E0660N3390002 Local ID:098 3

Suff. Rating: 100.0 ND

Health Index : 99.9

IDENTIFICATION

Description: 35'-75'-35' P.C. BEAM

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 - E0660 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: 56TH ST (E0660) E0660 (56TH ST.)
9. Location: .2W 1N .8W OF MEHAN
11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 29.53
17. Longitude: 096 57 30.81
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	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
Prestressed Concrete Stringer/Girder
44. Approach Span Material and Design Type
Not Applicable (P) 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.: 7 Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

FL, 36.0 F/ top of rail, 10-09. * 7/23/11 FL 36.5 TOR 76' E of SW COR

AGE AND SERVICE

27. Year Built: 2004
106. Year Reconstructed: -4
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: 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): 46.0 77.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 35.0 58.0 -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 : 10/11/2005

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 4,221.2 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: 147.6 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: 28.6 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: $549,024
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $274,512
76. Lgth. of Improvment: 162.4 ft
96. Total Cost: $878,438
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: 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: 88
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 : Drilled Shaft
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: _
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 Bus 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.: **27062** Structure No.: 60E0660N3390002 Local ID:098 3

Suff. Rating: 100.0 ND

Health Index : 99.9

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX- Trees need cut back on north side

Channel in middle of main span with riprap protection
on both sides. Good gravel road. Rip-rap failing on west 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)	3,867	3,867	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	457	457	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)	57	57	100 %	0	0 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	53	52	98 %	1	2 %	0	0 %	0	0 %	0	0 %
300	1	Strip Seal Expansion Joint	(LF)	57	57	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)	347	347	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 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Bare Concrete deck with 8 drains in very good condition. Minor scrape on west end.
109	No Visible Problems.
205	Concrete columns in very good condition.
215	Concrete abutment in very good condition.
234	Concrete cap in good condition, with localized areas of minor honeycombing.
300	Strip seals in very good condition, with some overhang at each end.
310	< none >
331	FX- Tall brush hides rail ends and deck corners. Concrete railing in good condition. Spalling on south rail (PHOTO)
819	< none >
859	Soffit in very good condtion.
916	< none >

Picture 1 – Roadway Looking West

Picture 2 – West Abutment

Circle # 98

Picture 3 – East Abutment

Picture 4 – South Rail

Circle # 98

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25586** Structure No.: 60E0660N3400002 Local ID:099 3

Suff. Rating: 71.8 ND

Health Index : 69.6

IDENTIFICATION

Description:
76' WF STEEL 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 - E0660 - 0
6. Feature Intersected: LITTLE STILLWATER CREEK
7. Facility Carried: 56TH ST (E0660) 56TH ST
9. Location: 56TH ST & MEHAN RD .2E
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 29.60
17. Longitude: 096 56 31.18
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	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:

2/1/01 - Flowline to deck top = 28.3' * 2/10/2003 - Flowline to deck top = 28.2' FL, 29.2', 10-09. * 7/23/11, 7/17/13 FL 28.2 TOD 35' of SW COR n *7/27/15- FL 28.4 TOD 36' E OF SW COR

AGE AND SERVICE

27. Year Built: 1998
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): 28.0 38.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 17.0 22.0 -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 : 8/3/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 2,072.7 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: 76.1 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: 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: $275,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $151,000
76. Lgth. of Improvment: 176.9 ft
96. Total Cost: $439,000
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: 86
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 : 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: 9801
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 : 45.0 / -1
244. Span Lengths :
76 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/3/2011
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.: **25586** Structure No.: 60E0660N3400002 Local ID:099 3

Suff. Rating: 71.8 ND

Health Index : 69.6

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Cut brush in front of 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)	2,024	1,822	90 %	202	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	528	0	0 %	528	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 %	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)	151	151	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	809	809	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	6,019	0	0 %	6,019	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	167	167	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	No defects or damage. Some gravel scattered across deck. Clear dirt under rails.
107	FX - Some lite pitting and exfoliation on #3, #5, & #6 on isolated areas. Mainly on cover plates. Lots of paint on webs.
202	FX - Heavy surface rust overall. 12 pile at wings.
219	FX- Heavy surface rust most areas.
231	FX- Moderate to heavy surface rust most areas. Minor rust.
330	< none >
510	Light gravel overlay along rails retards deck drainage
515	FX - Some lite pitting and exfoliation on #3, #5, & #6 on isolated areas. Mainly on cover plates. Lots of paint on webs. PX - paint in poor condition.
865	FX- Some lite pitting and exfoliationon #3, #5, & #6 on isolated areas. Mainly on cover plates. Lots of paint on webs.
890	< none >
919	
963	FX- Loss on girders not serious. Rust only.
968	FX - West abutment has no protection from erosion or scour. Erosion on east bank below abutment (photo) Repair with fill and riprap

Picture 1 – Roadway Looking East

Picture 2 – East Abutment

Circle # 99

Picture 3 – Erosion East Bank

Picture 4 – Girders

Circle # 99

Picture 5 – West Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02571** Structure No.: 60E0660N3490005 Local ID:100 1 Suff. Rating: 39.0 SD Health Index : 65.0

IDENTIFICATION

Description:
2-10' 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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST 56TH ST
9. Location: 56TH ST\CNCL RD .5E 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 28.42 17. Longitude: 096 46 34.50
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 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: 1 Monolithic Concrete
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 6 Satisfactory 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 3 Bank Prot Failed
Flowline Notes:
2013 - FL 9.6 TOD 16' E of SW COR

AGE AND SERVICE

27. Year Built: 1930 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: 5 MS 18 (HS 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): 5.0 8.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 2.0 3.0 -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 : 6/10/2002

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 818.1 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 35.7 ft
48. Length Maximum Span: 9.8 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: 35.7 ft 52. Width Out to Out: 35.7 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: $146,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $80,000 76. Lgth. of Improvment: 93.7 ft
96. Total Cost: $230,000 114. 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: 9 Above Desirable Crit
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: 62
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.: 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 : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 050505
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: FG
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: Desired Bus Route
240. Appr. Roadway Type: Gravel

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 : Soil
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.: **02571** Structure No.: 60E0660N3490005 Local ID:100 1

Suff. Rating: 39.0 SD

Health Index : 65.0

Inspection Date:	10/11/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

2 slab spans, No curbs.

Stream Scour Countermeasures in place, 10-09. Repairs appear to be working, 10-2011.

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
38	1	Reinforced Concrete Slab	(SF)	818	736	90 %	82	10 %	0	0 %	0	0 %	0	0 %
210	1	Reinforced Conc Pier Wall	(LF)	36	0	0 %	25	70 %	11	30 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	72	65	90 %	7	10 %	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)	818	818	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 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
38	About 1.5 in gravel layer covering about 80% of the deck. -- Scattered minor cracking.
210	FX - Several large spalls on west face of center wall with delaminations at 30 inch centers. 2 to 3 in void at bottom on west face up to 4 inches deep, has exposed rebar in 12 areas. Hairline pattern [Map] cracking overall.
215	FX - Moderate vertical crack at centerline on east. Hairline pattern cracking overall. Some light scaling on west wall.
358	Minor cracks on deck
510	About 1.5 in gravel layer covering about 80% of the deck. -- Scattered minor cracking.
659	Heavy spalling at north end of each span for approximately 2 ft in from edge. Moderate spalling at south end of west span and heavy cracking at south end of east span. Superficial pattern cracking all areas. - Rebar Exposed, scattered @ Openings.

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	16.0	22.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		6.7	6.8	8.4	9.6	8.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Pier	Pier	Flowline	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – East weight limit sign

Picture 3 – Sideview looking north

Picture 4 – South end east span

Picture 5 – South end deck

Picture 6 – North end wall

Picture 7 – West weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25257** Structure No.: 60E0660N3570005 Local ID:101 1 Suff. Rating: 52.8 SD Health Index : 60.5

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 - E0660 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 56TH ST 56TH ST
9. Location: 56TH ST\EAGLE RD .5E 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 28.12 17. Longitude: 096 38 05.39
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	10/10/2013	10/10/2015
FC Freq.:	N	N	NA	**NA**	**NA**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	N	6	**10/10/2013**	**4/10/2014**

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: 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.: 6 Satisfactory 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
11/06/2006 - FL to top of deck = 20.0' - FL, 20.0, 12-09.
FL, 19.4, 0.4 Water, 11-2011. * 10/10/13 - FL 19.5 TOD 5' E of SW 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: 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: 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): 26.0 38.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 15.0 22.0 -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 : 7/12/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 994.4 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: 37.1 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: 25.3 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: $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: 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: 4 Minimum 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: 4 Minimum Tolerable
113. Scour Critical: 5 Stable w/in 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 : 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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 44.0 / -1
244. Span Lengths :
38 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
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.: **25257** Structure No.: 60E0660N3570005 Local ID:101 1

Suff. Rating: 52.8 SD

Health Index : 60.5

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

8 BEAMS. 2 braces @ 1/3 points.

PX-Needs corner markers repaired or Reset, Structure on Sharp Curve FX-Needs vegetetion cleared from approaches. FX-Needs soil cleaned from deck. FX - Serious erosion along SW approach embankment.
NOTE - Extra Length Steel Wings [3] @ SE, SW, & NW.

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)	964	0	0 %	964	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	224	0	0 %	224	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	13	0	0 %	12	92 %	1	8 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	52	0	0 %	26	50 %	24	46 %	2	4 %	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)	75	0	0 %	75	100 %	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)	990	990	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)	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 %
968	1	Erosion	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	2	2	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - Deck has 1 inch average thickness of soil/gravel over entire surface.
107	FX - Moderate to heavy surface rust @ most areas. No noticable section loss. Paint failed overall.
202	FX - Mod. to Heavy surface rust overall. - Cap placed on Conc.Br.Seat with 2 steel columns added @ ends, resting on exposed abutment footing. [Photo] --- FX - footing areas need Rip-rap Protection. - SW & NW footings questionable. 9 pile at wings.
215	FX -Sctd. minor honeycombing. Some crumbling of edge of footing w/steel noted @ west. - Moderate diagonal crack on East abutment from back edge of seat at south end to front, 4 ft. length.
231	FX - Moderate to Heavy surface rust. -- Cap placed on conc. Br.Seats With 2 steel columns added @ ends, both abutments.[Photos]
330	No damage. Rail weak with wide post spacings (9-10 ft). - Spotted rust @ welded areas.
361	CX - West abutment footing undermined at NW corner. Reinspect in 6 months. PX - Need to realign channel and/or add protection soon
510	Deck has 1 inch average thickness of soil/gravel over entire surface.
515	Moderate to heavy surface rust @ most areas. No noticable section loss. Paint failed overall.
690	FX - Surface rusting & freckling. Steel stay in place forms
765	FX - Moderate to heavy surface rust, most areas. - Rusty flanges @ flakeing paint @ webs with rust spots thru-out.
919	Galvanized coating
968	FX - Heavy erosion behind SW conc wing and SW ditch out to road.
970	Metal/pipe walls behind wings to hold back embankment material. Serious erosion around SW and NW Extra Long Wings.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	4.0	11.0	22.0	37.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		19.0	19.4	18.9	16.4	11.8	-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.	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Erosion southwest corner

Picture 3 – Sideview looking north

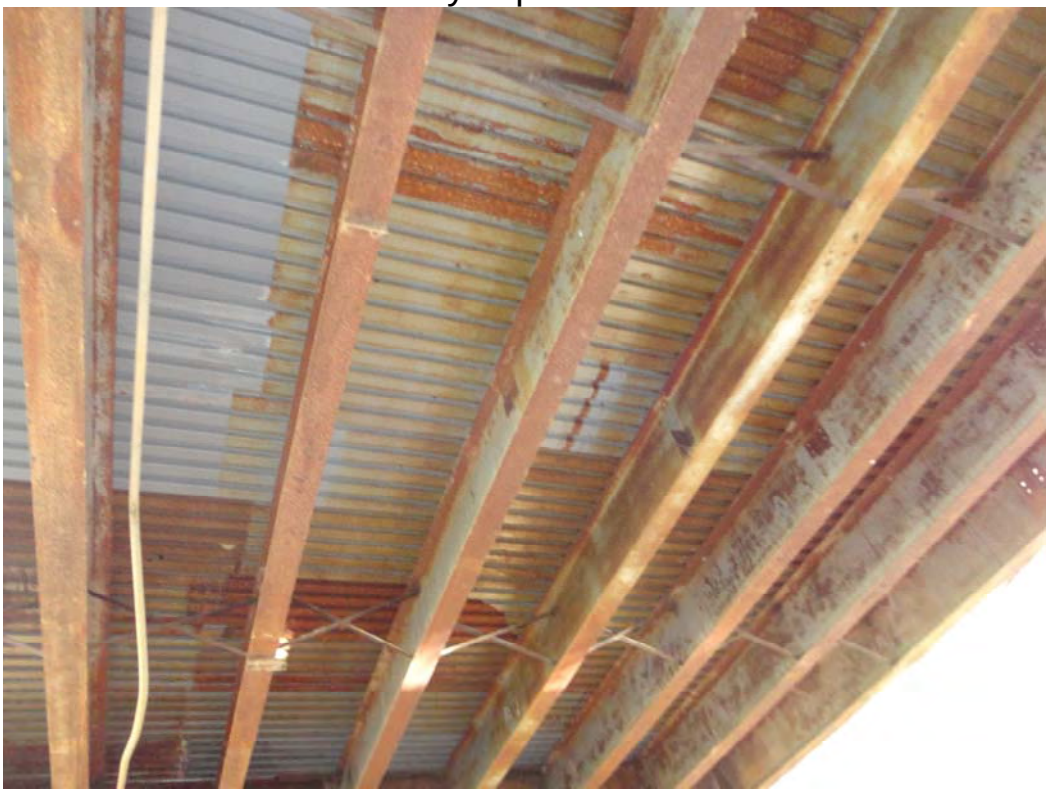
Picture 4 – East abutment

Picture 5 – West abutment

Picture 6 – Base west abutment

Picture 7 – Base northwest pile

Picture 8 – Girders and stay in place forms



Picture 9 – Erosion behind southwest wing

Picture 10 – Southwest Rd ditch

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **07926** Structure No.: 60E0670N3170009 Local ID:102 3 Suff. Rating: 55.5 SD Health Index : 50.4

IDENTIFICATION

Description:
23' TIMBER 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 - E0670 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 68TH ST (E0670) _
9. Location: 68TH&LOGAN CO LINE .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 36.08 17. Longitude: 097 20 12.77
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	7/13/2015	1/13/2016
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: 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
Wood or Timber 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: 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: 4 Protection Underminec
Flowline Notes:
Flowlline top of deck - 14.0' 02/06/2006. - FL, 14.0', 11-09. * 7/6/11 FL 14.2 TOD 15' E of SW COR * FL 14.4 TOD 16' E OF SW COR *

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: 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: 0 >39.9% below Date Rated : 8/3/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 376.7 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: 21.0 ft 49. Structure Length: 23.3 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: $146,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $80,000 76. Lgth. of Improvment: 93.7 ft
96. Total Cost: $230,000 114. 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: 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: 8 Equal Desirable Crit
113. Scour Critical: 5 Stable w/in 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: No 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: 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 : 3.0
246. Overlay Date : 8/3/2011
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.: **07926** Structure No.: 60E0670N3170009 Local ID:102 3

Suff. Rating: 55.5 SD

Health Index : 50.4

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

Structure / Inspection Notes

* FX-Mark corners. * Install "ONE LANE BRIDGE" signs * TEMP 8'x50' IRON PIPE SKEW 30 DEGREES

PX - loss of fill at SE wing/abutment area has caused a large sink hole into roadway edge. PX- road is rutted and rough, impassable in wet weather. Bank has erosion & slumping. Narrow Bridge, NO RAIL. * FX-Brush needs 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
31	1	Timber Deck	(SF)	373	0	0 %	0	0 %	373	100 %	0	0 %	0	0 %
111	1	Timber Open Girder/Beam	(LF)	230	0	0 %	184	80 %	46	20 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	6	0	0 %	0	0 %	6	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	32	0	0 %	10	31 %	10	31 %	12	37 %	0	0 %
231	1	Steel Pier Cap	(LF)	16	0	0 %	0	0 %	16	100 %	0	0 %	0	0 %
235	1	Timber Cap	(LF)	16	0	0 %	0	0 %	16	100 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	373	0	0 %	373	100 %	0	0 %	0	0 %	0	0 %
960	1	Settlement	(EA)	1	0	0 %	0	0 %	1	100 %	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	0	0 %	1	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	CX - 2 inches of soil on deck. Some decay noted (by digging thru overlay). * Decay & Section Loss * Remove Soil, Holds moisture. Several holes in deck. Planks failing outside edge.* Large holes in deck-planks weak*
111	FX-Cracking in two beams. Weak
202	PX-Light-Mod. rust at ground line.
206	PX-Moderate vertical splitting & weathering overall. Weak
216	PX-Both abutments have decay in lower two planks. Dirt spilling on.
231	PX-Rusty. Pitted
235	PX-Weak
510	FX - 2 inches of soil on deck. Some decay noted (by digging thru overlay). * Decay & Section Loss * Remove Soil, Holds moisture. Several holes in deck. Planks failing outside edge.
960	PX-Settlement 6" to 8" at NW corner. Settlement could be worse
963	FX-5% loss on base pile east abutment
968	FX-Erosion behind east abutment North end and base of East abutment and NW corner of bridge
970	PX - All four wings are segmented or missing.

Picture 1 – Roadway Looking West

Picture 2 – North End

Circle # 102

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **05855** Structure No.: 60E0670N3270001 Local ID:103 3

Suff. Rating: 78.4 ND

Health Index : 98.9

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 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0670 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 68TH ST (E0670) _E 0670
9. Location: 68TH ST& REDLAND RD .1E
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 35.43
17. Longitude: 097 10 23.32
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	7/23/2015	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
Concrete Slab
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: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

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

Flowline Notes:

Flowline to curb top. 10'-0" 02/02/2006 -- FL, 10.0, 12-09. * 7/16/11 FL 10.2 CURB 4' E of SW COR * 7/23/15- FL 9.9 CURB 3' E OF SW COR

AGE AND SERVICE

27. Year Built: 1938
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 30
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: B Posting Recommend
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) : 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 : 3/31/1998

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.0 ft
Deck Area: 818.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 34.0 ft
48. Length Maximum Span: 9.7 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: 34.0 ft
52. Width Out to Out: 34.0 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: 48
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: 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 : 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 : 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: Dirt

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 : Soil
246. Overlay Thickness : 40.0
246. Overlay Date : 3/31/1998
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.: -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.: **05855** Structure No.: 60E0670N3270001 Local ID:103 3

Suff. Rating: 78.4 ND

Health Index : 98.9

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

Structure / Inspection Notes

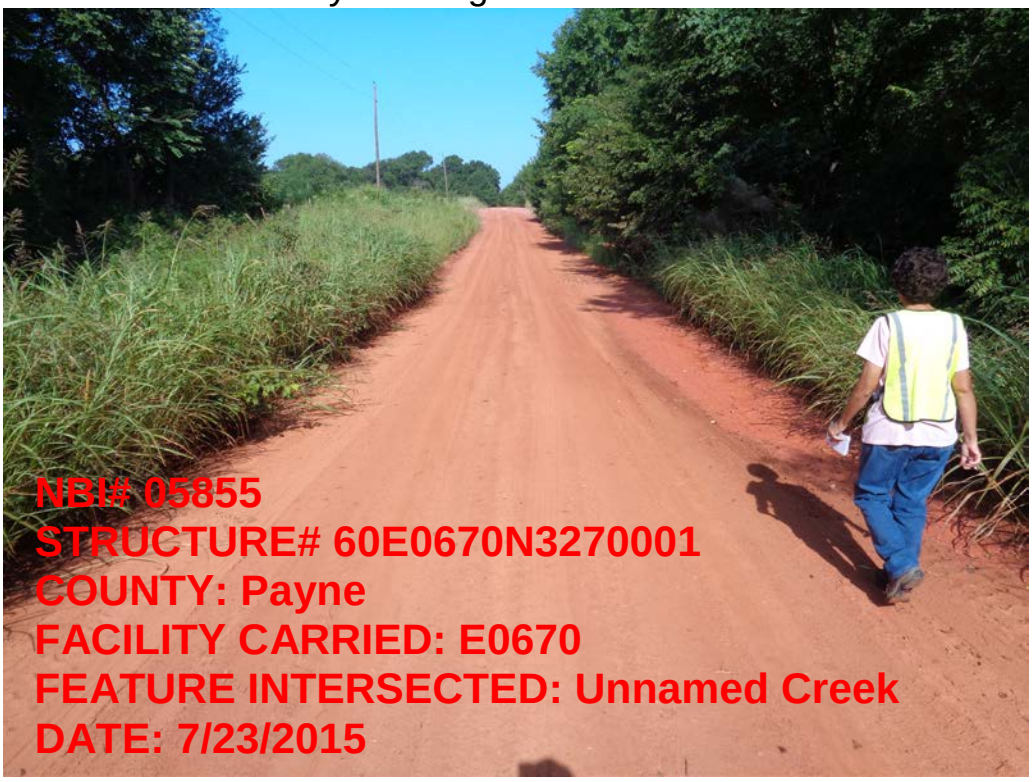
* Mark corners * West weight limit sign missing

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)	816	734	90 %	82	10 %	0	0 %	0	0 %	0	0 %
211	1	Other Material Pier Wall	(LF)	34	34	100 %	0	0 %	0	0 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	68	68	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	816	816	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 %
965	1	Debris	(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 %
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
38	FX- 40 to 42 inches of soil overlay. FX- Tall grass hides unmarked deck corners.
211	Surface Weathering.
217	Surface weathering.
510	FX- Deck carries 40 - 42 inches of soil overlay of slab spans.
859	No Notable Problems.
965	FX- Drift on north side (PHOTO)
968	FX- Erosion behind NW wing. Install fill and protection Creek running behind northwest wing at high water.
970	FX- FX-Rocks breaking off NW wing causing erosion out into road. Grout joints between loose rocks.

Picture 1 – Roadway Looking West



Picture 2 – Sideview Looking South

Circle # 103

Picture 3 – Northwest Wing

Picture 4 – East Spall

Circle # 103

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09417** Structure No.: 60E0670N3390008 Local ID:104 3 Suff. Rating: 44.4 SD Health Index : 45.0

IDENTIFICATION

Description:
16'-63'-30' I-BM 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 - 06023 - 0
6. Feature Intersected: STILLWATER CREEK
7. Facility Carried: 68TH ST (E0670) 68TH ST
9. Location: 68TH ST & UNION RD .8E 11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 36.96 17. Longitude: 096 56 51.55
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	7/27/2015	1/27/2016
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: 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: 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: 6 Satisfactory 59. Super.: 4 Poor 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
12092/2/01 - Flowline to deck top = 26.1' * 2/10/2003 - Flowline at bent 2 = 27.2' FL, 27.9', 10-09. * 7/23/11 FL 27.4 TOD 61' E OF SW COR * 7.17.13 - 1/26/15 fl 27.6 tod 61 e of sw cor

AGE AND SERVICE

27. Year Built: 1940 106. Year Reconstructed: 1990
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 200 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: 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): 19.9 25.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 12.0 15.0 -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 : 4/2/2001

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 2,896.7 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: 63.0 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: 25.9 ft 52. Width Out to Out: 26.6 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: $301,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $166,000 76. Lgth. of Improvment: 146.0 ft
96. Total Cost: $492,000 114. 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: 4 Minimum Tolerable 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: 7 Countermeasures

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.: 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 : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 191919
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: 4001
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 45.0 / -1
244. Span Lengths :
16 -1 -1
60 -1 -1
33 -1
245. Girder Depth : 27.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 3.0
246. Overlay Date : 4/2/2001
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.: **09417** Structure No.: 60E0670N3390008 Local ID:104 3

Suff. Rating: 44.4 SD

Health Index : 45.0

Inspection Date:	7/27/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Channel in middle of span. Drift caught on pier 2. Small drift caught in beams. Some minor erosion of channel banks.

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)	2,820	2,538	90 %	282	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	736	0	0 %	424	50 %	312	50 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	28	0	0 %	0	0 %	28	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	26	0	0 %	0	0 %	26	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	26	0	0 %	26	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	105	0	0 %	0	0 %	105	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	217	206	95 %	11	5 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	2,820	0	0 %	2,820	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	320	0	0 %	80	25 %	240	75 %	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)	240	0	0 %	240	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 3 in. HMA overlay. Deck dips downward at mid-structure--deflection greater on north side. Probably from the way the bridge was re-constructed (Re: Previous inspection reports.) --- Watch.
107	PX - All have heavy surface rust on exposed areas. Pitting
202	PX - Rust & Heavy pitting on all abutment piles. Heavy surface rust on pier 2. Surface rust on pier 1. -- Need coated @ groundline. 8 pile at wings. Very heavy pitting at ground line on pier, pile and abutments
216	PX - Moderate decay noted. West abutment failing at ground line.
219	FX- Heavy surface rust overall. Fill and protect SE corner from more erosion
231	PX - Lite pitting on W. Abut. Cap. -- Hvy. surface rust overall.
330	FX- Some minor buckling caused when structure was leveled.
510	FX - 3 in. HMA overlay. Deck dips downward at mid-structure--deflection greater on north side. Probably from the way the bridge was re-constructed (Re: Previous inspection reports.) --- Watch.
865	PX- 3 beams in each, approach span have moderate pitting in most areas. Rest have heavy surface rust on exposed areas.
890	FX- Rusty
919	FX- Coating failing
963	FX - Loss not serious any area. Loss 10% or more at pile

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.0	20.0	54.0	79.0	99.0	106.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.3	20.3	27.4	26.4	20.0	16.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Flowline	Pier	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway Looking East

Picture 2 – West Weight Limit Sign

Circle # 104

Picture 3 – West Approach

Picture 4 – Sideview Looking North

Circle # 104

Picture 5 – West Abutment

Picture 6 – Top West Pier

Picture 7 – Girders Center Span

Picture 8 – Base East Pier

Picture 9 – North Side East Pier

Picture 10 – Base East Pier

Picture 11 – East Abutment

Picture 12 – South Pile East Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24136** Structure No.: 60E0670N3410008 Local ID:105 1 Suff. Rating: 91.3 ND Health Index : 62.2

IDENTIFICATION

Description:
56' 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 - 06023 - 0
6. Feature Intersected: CREEK
7. Facility Carried: E0670 _ROSE RD.
9. Location: 68TH ST 11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 39.01 17. Longitude: 096 54 46.78
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: 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.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
FL to top of deck - 18.0' - 02/16/2006. - FL, 18.0', 10-09.
FL, 19.7, 0.0 Water, 11-2011. 10-13 FL 19.6 TOD 32' E of SW 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: 709 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): 40.0 61.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 28.0 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 : 7/13/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,492.2 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.8 ft
48. Length Maximum Span: 54.5 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: 25.8 ft 52. Width Out to Out: 26.6 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: $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: 1134
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: 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: 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 : 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 : 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 : 51.0 / -1
244. Span Lengths :
56 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 33.000
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.: **24136** Structure No.: 60E0670N3410008 Local ID:105 1

Suff. Rating: 91.3 ND

Health Index : 62.2

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

7 beams, 2 braces @ 1/3 points.

FX - Brush & TIMBER need removed under structure * FX - SW corner marker needs refastened, repaired, CHECK ALL *

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)	1,447	0	0 %	1,447	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)	26	0	0 %	26	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)	112	0	0 %	112	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,492	0	0 %	1,492	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)	70	0	0 %	70	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	FX6 inches average A/C overlay. Asphalt repaired Areas. - Lite surface cracking.
107	FX-Rust spots. - 5 beams brown coating, 2 with silver coating. Scattered bare metal @ all beams, mostly flanges.
202	FX-Minor scaling at ground line, scattered, Lite to Moderate surface rust. 14 pile at wings.
219	FX-Some very Lite scaling started at ground line to north half of west abutment. - Mod.to Heavy surface rust.
231	FX-Surface rust has formed on surface, lite pitting visible on top of top flanges.
330	Rail on Short, 'Weak' posts, wide Spacing. - Rust spots @ welded connections.
510	6 inches average A/C overlay. Asphalt repaired Areas. - Cracking
515	Rust spots. - 5 beams brown coating, 2 with silver coating. Scattered bare metal @ all beams, mostly flanges.
690	Steel SIP forms in good condition. - LIte rust @ Abuts. Litely Sctd, rust spotted, in exterior bays.
765	FX-Light rust bottom flange & extreme [flame cut] ends. Little rust on webs, freckling.
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	10.0	23.0	30.0	35.0	49.0	55.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		15.5	16.4	19.2	19.7	19.7	15.4	13.2	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Flowline	Flowline	Slope Ch.	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25258** Structure No.: 60E0670N3440009 Local ID:106 1 Suff. Rating: 82.5 ND Health Index : 58.0

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 - 06023 - 0
6. Feature Intersected: LONG BRANCH CREEK
7. Facility Carried: 68TH ST. (E0670) _COUNCIL CREEK RD.
9. Location: 68TH ST\CNCL CRK RD .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 38.88 17. Longitude: 096 51 23.85
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: 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: 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:
FL to top of deck - 14.5' - 02/28/2006 - FL, 14.5', 10-09.
FL,14.8, 1.8 Water, 11-2011. 10-13 FL 15.0 TOD 7' E of SW COR

AGE AND SERVICE

27. Year Built: 1997 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 mi
29. ADT: 125 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): 54.0 72.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 32.0 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 : 7/13/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,036. 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: 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: 25.3 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

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: 200
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: 5 Above Tolerable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 67
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: 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 : 35.0 / -1
244. Span Lengths :
40 -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"? 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.: **25258** Structure No.: 60E0670N3440009 Local ID:106 1

Suff. Rating: 82.5 ND

Health Index : 58.0

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

10 beams. 2 braces @ 1/3 points.

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	0	0 %	1,012	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	300	0	0 %	300	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	11	0	0 %	11	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	36	28	79 %	8	21 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	13	0	0 %	13	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)	79	0	0 %	79	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
360	1	Settlement	(EA)	1	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	1	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)	100	0	0 %	100	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-Deck cracking noted. [Moderate]
107	FX-Rust with minor pitting @ 5 of 10 beams, [N.4 & S.Ext.]. Freckling, Scaling, chalking @ 5 beams.
202	FX-Mod. to Heavy surface rust @ waterline @ west Abut. --- South @ E.abut., not visible. 9 pile at wings.
215	Minor spalling & chipping of edges of east seat area. [Steel cap on Br.Seat]
219	FX-Moderate to heavy surface rust noticable. West Abut has opening allowing fill to spill thru. [Photo].
231	FX-Steel Cap placed on Conc. Bridge Seats & bridge width extended to South with one steel pile support. -- Lite to moderate rust with Sctd. lite pitting near ends.
330	FX-Short height, not to stds.
358	Lite to Moderate size random Cracking.
360	FX - South West abutment approach settled in the past (unleveled). No movement noted. Stable at this time. - --- WATCH. -- Fill spilling thru extended Abutment, [steel extention, 6.5 ft.].
361	Minor scour base west abut ssouth end.
515	Paint failing.
690	Steel Stay in Place Forms. - Freckling & spotted lite rust areas.
765	Rust with minor pitting. See Item 106.
919	

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	1.5	10.0	16.0	23.0	29.0	36.0	39.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		14.8	14.3	13.5	11.2	8.9	2.4	3.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Wtr. Edge	_	_	_	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – Sideview looking south

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

Picture 6 – Base west abutment south end

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24643** Structure No.: 60E0670N3450004 Local ID:107 1 Suff. Rating: 94.4 ND Health Index : 67.9

IDENTIFICATION

Description:
50' 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 - E0670 - 0
6. Feature Intersected: LONG BRANCH CREEK
7. Facility Carried: 68TH ST. 68TH ST
9. Location: 68TH ST\W. POINT .4E 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 37.85 17. Longitude: 096 50 47.54
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	10/31/2013	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: 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: 1 Monolithic Concrete
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: 7 Minor Damage
Flowline Notes:
1/25/01 - Flowline to deck top = 18.7' * 1/3/2003 - Flowline to deck top = 18.9' good channel profile
FL, 18.9', 10-09. -FL, 18.6, 0.2 water, 11-2011 * 10-13 FL 20' E of SW COR

AGE AND SERVICE

27. Year Built: 1996 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 250 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): 74.9 97.5 -1.1
66. Inventory Rating (H / HS / 3-3) : 45.1 58.5 -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 : 2/9/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,318.3 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: 48.9 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: 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

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: 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: 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: 5 Above Tolerable
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: 64
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 : 35
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: Asphalt/Bituminous

243. Girder Spacing/Number : 44.0 / -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?: 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.: **24643** Structure No.: 60E0670N3450004 Local ID:107 1

Suff. Rating: 94.4 ND

Health Index : 67.9

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 beams.

-FX- Deck hole Needs to be filled. Hole still there. -Not causing a problem.

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)	1,287	0	0 %	1,287	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)	12	0	0 %	12	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	39	0	0 %	39	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	13	0	0 %	13	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)	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 %
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)	79	0	0 %	79	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-Numerous shallow pop-outs with minor surface wear exposing aggregate.
107	FX-Several areas of moderate surface rust on flanges, Exterior beams worse. - 1 girder with moderate to heavy surface rust, Placed 'upside down', 3rd F/West. - . Webs in good shape.
202	FX-Moderate to Heavy surface rust overall. pile at wings.
215	FX-Some areas of Lite scaling. Some old honeycombing with minor leaching. Solid overall.
219	FX-Extended to South with Steel Abut, [6.5 ft. @ each]. Mod. to Heavy surface rust.
231	FX-Light surface rust most areas. - Caps placed on Conc.Bridge Seats Where str. extended 6.5' width to South [2 steel Piles, 1 @ North.].
330	FX-N.Rail damaged with visible deterioration. - Low Rail, Wide Post Spacing.
358	Some small pattern [MAP] cracking near W end. -- Lite to Moderate transverse cracking near midspan.
515	Several areas of moderate surface rust on flanges, Exterior beams worse. - 1 girder with moderate to heavy surface rust, Placed 'upside down', 3rd F/West. - . Webs in good shape. Paint failing.
690	Steel SIP forms in good condition. -Freckling Thru-Out.
765	FX-Some areas of light surface rust on flanges. One (1) girder with moderate to heavy surface rust. Webs in good shape@ interior beams, Exterior have Surface rust.
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	2.0	12.0	20.0	29.0	39.0	50.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		15.1	18.4	18.6	18.0	15.2	11.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Wtr. Edge	Flowline	_	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking south

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22414** Structure No.: 60E0670N3470000 Local ID:108 1 Suff. Rating: 99.8 ND Health Index : 94.8

IDENTIFICATION

Description:
8-90' 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 - 06023 - 0
6. Feature Intersected: CIMARRON RIVER
7. Facility Carried: 68TH ST. (E0670) _
9. Location: 68TH\MT.VERNON RD INTR
11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 37.92
17. Longitude: 096 49 17.35
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	10/31/2013	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: 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:
FL to top of deck - 51.3' - 02/28/2006 -- FL, 51.5', 10-09. 11-2011,
No FL measure, Windy, High Flows.

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: 600
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 : 10/31/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 32.0 ft
Deck Area: 24,843.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 31.6 ft
48. Length Maximum Span: 90.9 ft
49. Structure Length: 722.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 32.2 ft
52. Width Out to Out: 34.4 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: $1,124,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $480,000
76. Lgth. of Improvment: 722.1 ft
96. Total Cost: $1,634,000
114. Future ADT: 960
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: 64
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.: 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
-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 :
90 90 90
90 90 90
90 90
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?: _
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.: **22414** Structure No.: 60E0670N3470000 Local ID:108 1

Suff. Rating: 99.8 ND

Health Index : 94.8

Inspection Date:	10/31/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 PC beams.

Suggest to have snooper inspection every 5 years
Large drift at pier columns * See Debris Smart Flag. Small this date 10-31-13

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)	24,840	22,356	90 %	2,484	10 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	2,560	2,560	100 %	0	0 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	14	13	93 %	1	7 %	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)	240	240	100 %	0	0 %	0	0 %	0	0 %	0	0 %
302	1	Compression Joint Seal	(LF)	4	0	0 %	4	100 %	0	0 %	0	0 %	0	0 %
310	1	Elastomeric Bearing	(EA)	64	64	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	1,444	1,401	97 %	43	3 %	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)	320	317	99 %	3	1 %	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)	64	64	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	Widely Scattered Popouts & Spalling @ 'D' cracking @ Fixed Joints.
109	No visible problems.
205	Numerous gunshot spalls, piers 2,3 & 4. - Lite Vertical crack[10+ ft.] @ N.Face, N.Column, West Pier, hairline cracking visible @ S.Column. --- Large fire spall south column pier 3 from East.
215	Surface Defects.
234	Surface Defects.
302	FX-Debris near rails, Surface weathering, Widely Scattered Surface Tearing.
310	1 inch thick bearings. NVP.
331	Minor spalls with minor cracking, widely scattered.
358	Some hairline cracking along south edge of spans 4 & 5.
659	NVP
719	No visible problems. --- Very Lite end armor & Diaphragm cracking.
909	FX-Adhesion Failures. Lite 'D' cracking with some small spalls. Noticable Sctd. seepage under.
916	Most Exterior bolts & Plates have scattered freckling. -- A number of bolts are rusty.
965	FX - Debris @ piers 2,3,4,5, & 6. Heavier @ piers 4 & 5 [from West] 10/2013 Minor this date.

Picture 1 – Roadway looking west

Picture 2 – Sideview looking southwest

Picture 3 – East abutment

Picture 4 – Under bridge west

Picture 5 – West abutment

Picture 6 – Under bridge east

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26183** Structure No.: 60E0670N3490002 Local ID:109 1

Suff. Rating: 88.5 ND

Health Index : 96.7

IDENTIFICATION

Description:
21'x13' X30'STEEL Plate ARCH CULVERT

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 - E0670 - 0
6. Feature Intersected: SHORT CREEK
7. Facility Carried: DUNKIN RD. DUNKIN RD
9. Location: DUNKIN\KINGS HWY .2E
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 37.15
17. Longitude: 096 46 55.25
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	10/12/2013	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 Culvert
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: N N/A (NBI)
108A. Wearing Surface: N N/A (no deck (NBI))
108B. Membrane: N N/A (no deck (NBI))
108C. Deck Protection: N N/A (no deck (NBI))

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: 6 Bank Slumping

Flowline Notes:

Steel Pipe Arch

AGE AND SERVICE

27. Year Built: 1998
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 297
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: 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 : 5/5/2000

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.9 ft
Deck Area: 549. sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.6 ft
48. Length Maximum Span: 21.0 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: 24.6 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: $100,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $75,000
76. Lgth. of Improvment: 89.4 ft
96. Total Cost: $225,000
114. Future ADT: 475
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: 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: 5 Stable w/in 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 : -
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 : NO
215. Overpass : D - ACCO Off System
221. Substructure Cond. (U/W) : -
222. Fill over RCB: 2
223. Appr. Slab/Rdwy Cond.: Good
224. Critical Feature Type: 7
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: Asphalt/Bituminous

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
21 -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.: 30.0
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.: **26183** Structure No.: 60E0670N3490002 Local ID:109 1

Suff. Rating: 88.5 ND

Health Index : 96.7

Inspection Date:	10/12/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

In Place, 1998. - 21 X 13 X 30 Steel Pipe Arch

FX - Needs corner markers. --- NOTE -- Guardrail over str. is Low, Height not to Std.
PX - Delay washout of structure by adding fill to both ends/constructing curtain 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
202	1	Steel Column or Pile Extension	(EA)	12	0	0 %	12	100 %	0	0 %	0	0 %	0	0 %
240	1	Steel Culvert	(LF)	30	27	90 %	3	10 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	42	0	0 %	0	0 %	42	100 %	0	0 %	0	0 %
361	1	Scour	(EA)	1	0	0 %	1	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 %
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
202	FX - 12 pile at wings. Rusty.
240	Some water stains at seams at 4 ft above bottom on each side. Not serious. Some distortion of floor. No significant changes in dimensions. -- Steel end walls, [wings?]
330	FX - Rail bent and weak
361	FX - Soundings indicate [large] cavities of unknown depth under floor. Erosion on north end below floor. Needs concrete curtain wall constructed to prevent flow from traveling under pipe.
919	
965	Minor this date

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – Base north end

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23541** Structure No.: 60E0670N3530003 Local ID:110 1

Suff. Rating: 30.7 SD

Health Index : 51.3

IDENTIFICATION

Description:
22'34'25' 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 - E0670 - 0
6. Feature Intersected: SKULL CREEK
7. Facility Carried: 68TH ST. 68TH ST
9. Location: 68TH ST\NORFOLK .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 02 37.70
17. Longitude: 096 42 32.53
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	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: 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.: 5 Fair
60. Sub.: 4 Poor
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 5 Bank Prot Eroded

Flowline Notes:

1/26/01 - Flowline to deck top = 20.1' * 11/27/2006 - Flowline to deck top = 18.0' fair channel profile * 2/3/03 - Flowline to deck top = 18.3' * 5/13/04 - Flowline to deck top = 18.1'

AGE AND SERVICE

27. Year Built: 1993
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 123.7 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: 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): 15.0 27.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 9.0 16.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor
Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads
Date Rated : 2/10/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 14.1 ft
Deck Area: 1,302.4 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 1 Yes, flared
47. Inv. Rte. Total Horiz. Clr.: 16.1 ft
48. Length Maximum Span: 34.1 ft
49. Structure Length: 81.0 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: 16.1 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: $285,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $157,000
76. Lgth. of Improvment: 182.8 ft
96. Total Cost: $454,000
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: 4 Minimum Tolerable
68. Deck Geometry: 3 Intolerable - Correct
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 5 Above Tolerable
72. Approach Alignment: 3 Intolerable - Correct
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 82
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: -1 -1
202. Waterproof Membrane : -1
Date Installed : 1/1/1901
203. Type Exp. Dev. : Open Joint - No Device
Open Joint - No Device
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.: 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 : -1
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 151515
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: 2
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 : -1.0 / -1
244. Span Lengths :
23 -1 -1
34 -1 -1
25 -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.: **23541** Structure No.: 60E0670N3530003 Local ID:110 1

Suff. Rating: 30.7 SD

Health Index : 51.3

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Low Traffic, Dead End Road. -- West Pier Footings Exposed
6 beams on end spans, 5 @ center Span.

PX - Cap @ Bent 2 Crumbling. Repairs needed.
PX - No Rail.
FX - West Pier Spread? Footings 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)	1,304	1,304	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	290	0	0 %	290	100 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	4	0	0 %	1	25 %	3	75 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	39	0	0 %	39	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	46	0	0 %	46	100 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	33	0	0 %	26	80 %	7	20 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	1	100 %	0	0 %	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 %
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)	170	0	0 %	153	90 %	17	10 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	No Visible Problems.
107	FX - Rusty Patches. Mostly Surface Rust --- End Spans have more rust.
205	PX - Large spalls on NE, SE, & NW. Mainly spiral bars visible with some loss.
215	FX - Light to moderate scaling and weathering overall.
219	FX - Rusty
234	PX - Cap on bent 2 crumbling under 2 girders with steel exposed. -- FX - Debris on Both caps.
358	Very light, Lite, Random & Widely Scattered
361	Scour base west pier - photo
363	FX - Portion of Ends in CS-4 & Exposed rebar @ Caps, & Columns.
515	Rusty Patches. Mostly Surface Rust --- End Spans have more rust.
690	Freckling and Spotted areas of surface rust
765	FX - Some moderate pitting on south girder (span 2) & north girder (span 3). Heavy surface rust on exposed areas of others.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	4.0	19.0	22.0	31.0	38.0	43.0	46.0	55.0	64.0	73.0	82.5	-1.0	-1.0	-1.0
Profile		10.8	2.5	16.9	19.6	19.6	19.3	17.8	16.8	16.7	13.4	7.5	4.8	-1.0	-1.0	-1.0
Event		Abutment	_	Slope Ch.	Pier	Flowline	Flowline	Wtr. Edge	Slope Ch.	Pier	_	Slope Ch.	Abutment	_	_	_

Picture 1 – Roadway looking east

Picture 2 – East weight limit sign

Picture 3 – Sideview looking south

Picture 4 – East abutment

Picture 5 – Base west pier

Picture 6 – Girders and stay in place forms

Picture 7 – West weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04408** Structure No.: 60E0680N3180004 Local ID:111 3 SD Suff. Rating: 43.3 Health Index : 41.0

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 - E0680 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 80TH ST (E0680) _
9. Location: 80TH ST & PEACH RD .4E 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 44.04 17. Longitude: 097 19 42.59
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	7/13/2015	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: 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: 8 Wood or Timber
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:
4/1/02 - FL to deck top = 7.0' sats. channel profile 02/01/2006 FL, 7.0', 11-09. * 7/6/11 FL 7.5 TOP TIMBER DECK 20' E of SW COR * 7/13/15-0FL 7.8 TOD 21' E OF SW COR

AGE AND SERVICE

27. Year Built: 1935 106. Year Reconstructed: Unknown
28A. Lanes on: 2 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): 10.0 16.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 6.0 9.0 -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 : 8/3/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 592. sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.8 ft
48. Length Maximum Span: 29.0 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: 19.8 ft 52. Width Out to Out: 19.8 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: $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: 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: 2 Intolerable - Replace 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: 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: 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 : -
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 : 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.: 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: Dirt

243. Girder Spacing/Number : 38.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 16.000
246. Type of Overlay : Soil
246. Overlay Thickness : 6.0
246. Overlay Date : 8/3/2011
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.: **04408** Structure No.: 60E0680N3180004 Local ID:111 3

Suff. Rating: 43.3 SD

Health Index : 41.0

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

Structure / Inspection Notes

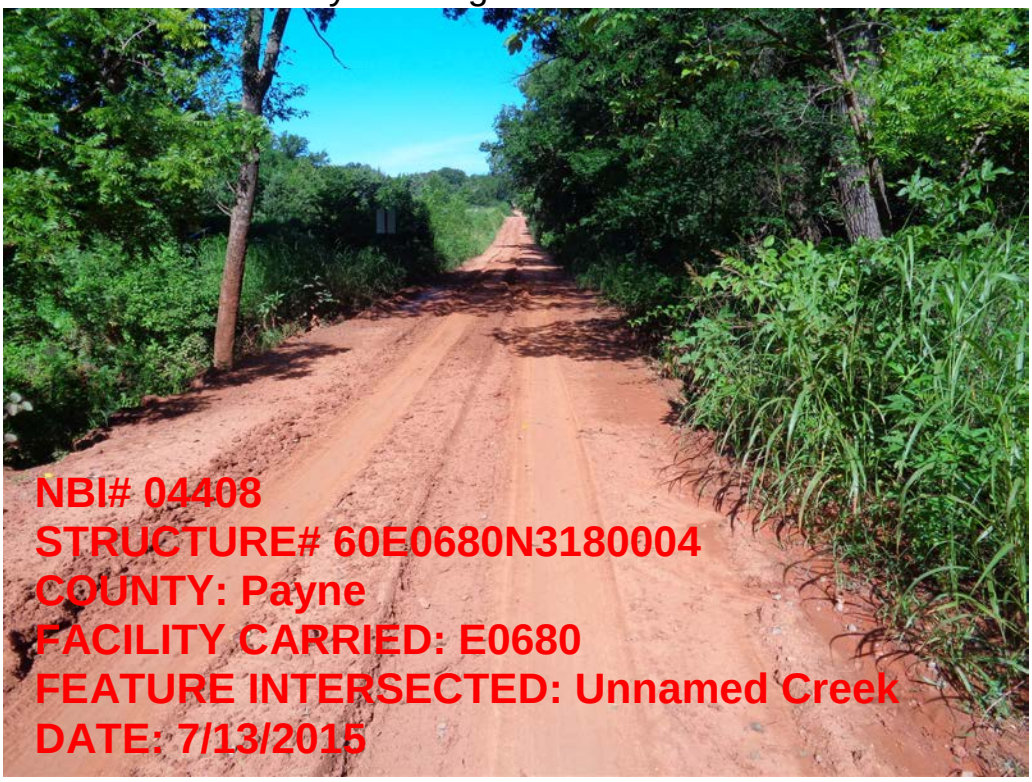
PX - needs all corner markers, NO RAIL -------- Narrow structure, 19.6 ft. * Fair chance of overtopping * Moderate bank & channel erosion * Channel clean & along east abutment * Satisfactory ditches * FX- Log hung on north girder *
Erosion beginning at north end east abutment (PHOTO)

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)	594	0	0 %	594	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	180	0	0 %	0	0 %	180	100 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	32	0	0 %	32	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	594	0	0 %	594	100 %	0	0 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	2	0	0 %	2	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX - 6 inch soil average on deck. Some superficial grader damage noted. -- Remove soil, holds moisture. --- NO RAIL.
107	PX-Moderate rust on all.
215	FX-Minor scaling most areas. Small vertical crack on east abutment. Most of west abutment not visible.
510	FX - 6 inch soil average on deck. Some superficial grader damage noted. -- Remove soil, holds moisture. --- NO RAIL.
963	Sec loss on west end south girder - 20% (photo) Girder ends covered with dirt. - Section loss on all ends.
970	Two west wings covered up with dirt or missing

Picture 1 – Roadway Looking West



Picture 2 – East Weight Limit Sign

Circle # 111

Picture 3 – West Weight Limit Sign

Picture 4 – Sideview Looking North

Circle # 111

Picture 5 – East Abutment

Picture 6 – West Abutment

Picture 7 – Erosion North End East Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30824** Structure No.: 60E0680N3190006 Local ID:112 3

Suff. Rating: -1.0 N/A

Health Index : -1.0

IDENTIFICATION

Description:
100' I BEAM SPAN 26' - 0" CLR RDWY 30D SKEW, TR4 RAILS

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 - E0680 - 0
6. Feature Intersected: CLEAR CREEK
7. Facility Carried: E0680 (80TH ST.) E0680 (80TH ST)
9. Location: 2.6 mi. E Logan county ln
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 42.00
17. Longitude: 097 18 24.00
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	7/14/2014	7/14/2014
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: 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
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:

AGE AND SERVICE

27. Year Built: 2014
106. Year Reconstructed: 0
28A. Lanes on: 2
28B. Lanes Under: -1
19. Detour Length: 2.0 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: 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	54.0	0.0
66. Inventory Rating (H / HS / 3-3) :	18.0	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 : 7/18/2014

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.0 ft
Deck Area: 2,961. sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.9 ft
48. Length Maximum Span: 103.0 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: 25.9 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.	-1	-1	-1	-1	-1	-1

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: Unknown
75. Type of Work: Unknown (P)
95. Roadway Cost: Unknown
76. Lgth. of Improvment:
96. Total Cost: Unknown
114. Future ADT: 100
97. Year of Cost Est.: Unknown
115. Year of Future ADT: 2024

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: Unknown (NBI)
68. Deck Geometry: Unknown (NBI)
69. Underclearance, Vertical and Horizontal: Unknown (NBI)
71. Waterway Adequacy: 8 Equal Desirable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: -1
200d. Weather: -1
201. Structural Steel ASTM Desig.: A A
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 : 45.2
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 : _
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: _

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.: **30824** Structure No.: 60E0680N3190006 Local ID:112 3

Suff. Rating: -1.0
N/A

Health Index :
-1.0

Inspection Date:	7/14/2014	Reported By:	GWATKINS
Invoice No.:	60-109	Inspected With:	-1
		Agency :	

Structure / Inspection Notes

Bridge 308240000000000 entered 5/3/2013 13:42:41 by userid pontis * 107' steel beam span, SK 60 LF

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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	291	291	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)	6	6	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	214	214	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(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 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	30	30	100 %	0	0 %	0	0 %	0	0 %	0	0 %
916	1	Steel Bearing Assembly	(EA)	6	6	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	
107	
215	
310	
331	
515	
659	
765	
916	

Picture 1 – Roadway looking east

Picture 2 – Side view looking south

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders

Picture 6 – Bearings

Picture 7 – Sign on rail

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01838** Structure No.: 60E0680N3190008 Local ID:113 3 Suff. Rating: 40.1 FO Health Index : 52.5

IDENTIFICATION

Description:
36' 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 - E0680 - 0
6. Feature Intersected: CLEAR CREEK
7. Facility Carried: 80TH ST (E0680) _
9. Location: 80TH ST MAJOR RD .8E 11. Mile Post: 0.800 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 44.28 17. Longitude: 097 18 13.92
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	12	2/17/2014	2/17/2015
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: 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.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
4/1/02 - FL to deck top = 21.0' sats. profile 02/01/06 * 3/27/2014 - FL 20.9 TOD 16' E of SW COR

AGE AND SERVICE

27. Year Built: 1927 106. Year Reconstructed: 1989
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 2.0 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): 14.0 22.0 0.0
66. Inventory Rating (H / HS / 3-3) : 8.0 13.0 0.0
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 : 5/27/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 635.1 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: 31.0 ft 49. Structure Length: 36.0 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: 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.	-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: $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.: 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: 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: 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: 131313
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : NR
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 : 22.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 14.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 5/27/2004
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.: **01838** Structure No.: 60E0680N3190008 Local ID:113 3

Suff. Rating: 40.1 FO

Health Index : 52.5

Inspection Date:	2/17/2014	Reported By:	GWATKINS
Invoice No.:	60-108	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

CX-EAST WEIGHT LIMIT SIGN HAS FAILED

< 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
31	1	Timber Deck	(SF)	576	0	0 %	576	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	324	0	0 %	0	0 %	324	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	12	0	0 %	6	50 %	6	50 %	0	100 %	0	0 %
216	1	Timber Abutment	(LF)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	18	0	0 %	18	100 %	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)	72	0	0 %	72	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)	576	0	0 %	576	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 %
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
31	FX-UP TO 1 INCH OF SOIL BUILD UP BETWEEN AND OUTSIDE THE RUNNERS * 2-17-2014 2" Soil this date
107	PX -No noticeable section loss.
202	FX - Surface rust on piling. Four pile at wings.
216	Age * 2/17/2014 px - East Abut Failing at Base
217	PX-Cracks in west abutment need to be sealed
231	FX - Surface rust on steel caps.
330	Truss members serving as traffic railing. This structure is not a truss.
363	FX - Section loss to steel members not significant.
510	FX-UP TO 1 INCH OF SOIL BUILD UP BETWEEN AND OUTSIDE THE RUNNERS * 2/17/2014 2'
515	No noticeable section loss. * 2-17-2014 paint failed
968	Erosion under east abutment and at NE corner (photos). PX-ADD RIP RAP AT NE CORNER BANK AND DITCH.

Picture 1 – Roadway looking west

Picture 2 – East weight limit sign

Circle # 113

Picture 3 – West weight limit sign

Picture 4 – Sideview looking south

Circle # 113

Picture 5 – East abutment

Picture 6 – West abutment

Picture 7 – Girders

Picture 8 – South west wing

Circle # 113

Picture 9 – North west wing

Picture 10 – Base east abutment

Circle # 113

Picture 11 – Northeast Road Ditch

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00789** Structure No.: 60E0680N3230004 Local ID:114 3 Suff. Rating: 35.9 SD Health Index : 37.4

IDENTIFICATION

Description:
26' 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 - E0680 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 80TH ST (E0680) 80TH ST
9. Location: 80TH ST MERIDIAN RD .4E 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 45.12 17. Longitude: 097 14 26.39
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	12	7/14/2015	7/14/2016
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: 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 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: 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: 4 Protection Underminec
Flowline Notes:

12/12/2006 - Flowline to deck top at N. = 9.4' - S.= 13.2' fair profile * 3/22/04 - Flowline to deck top on S. = 12.5' FL, 12.5, 11-09. FL, 12.5, 10-2010. * FL 12.4 TOD 15' E of SW COR

AGE AND SERVICE

27. Year Built: 1931 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: 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): 8.0 14.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 4.0 8.0 -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 : 6/1/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 471.6 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: 24.5 ft 49. Structure Length: 26.2 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: $156,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $86,000 76. Lgth. of Improvment: 99.9 ft
96. Total Cost: $246,000 114. 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: 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: 6 Equal Min Criteria
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 : 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: 070707
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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 31.0 / -1
244. Span Lengths :
26 -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 : 6/1/2004
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.: **00789** Structure No.: 60E0680N3230004 Local ID:114 3

Suff. Rating: 35.9 SD

Health Index : 37.4

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Needs to be marked as ONE LANE BRIDGE

PX - Needs action @ SW area of Abutment. * Needs fill + rip rap before next 12 month inspection

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)	472	0	0 %	472	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	182	0	0 %	0	0 %	182	100 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	36	0	0 %	18	50 %	18	50 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	472	0	0 %	472	100 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX-Runners showing moderate wear. Runners covered over with 4" of gravel overlay
107	PX-Light pitting overall on north girder. Moderate to heavy pitting on all areas of all others with scaling. #4 & #6 are bent laterally small amount. Minor serious loss.
215	PX - Moderate deterioration at seat areas on west. Poor bearings for beams. [Photo] Several gouges with some scaling on each abutment. Abutments are tapered from bridge seat @ Exterior beam down to ground line, near 3 ft.taper, more width @ bottom. PX-Reinspect in 12 months. No scour protection
510	Runners showing moderate wear. Lite Gravel between & outside runners. 2" gravel on deck above runners.* Loose gravel*
961	PX - Still a large cavity along SW area up to 30 inches back under ledge. Cavity is within tapered abutment [wing?] area. Strongly suggest, needs filled w/concrete. Minor scour under east abutment. Scour could be worse now. No settlement this date (07/11/2013) Reinspect in 12 months, no scour protection.

Picture 1 – Roadway Looking West

Picture 2 – East Weight Limit Sign

Circle # 114

Picture 3 – Sideview Looking North

Picture 4 – Base West Abutment

Picture 5 – West Abutment

Picture 6 – East Abutment

Picture 7 – Base East Abutment

Picture 8 – Girders

Picture 9 – West Weight Limit Sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **06368** Structure No.: 60E0680N3260001 Local ID:116 3

Suff. Rating: 49.8 FO

Health Index : 59.9

IDENTIFICATION

Description:
41' 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 - E0680 - 0
6. Feature Intersected: WILDHORSE CREEK
7. Facility Carried: 80TH ST (E0680) _
9. Location: 80TH ST & KARSTEN .1E
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 43.78
17. Longitude: 097 11 36.63
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: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
108B. Membrane: 0 None
108C. Deck Protection: None

AGE AND SERVICE

27. Year Built: 1938
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 %: 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): 18.0 ft
Deck Area: 661. 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: 39.5 ft
49. Structure Length: 41.3 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

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: 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: 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

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:

FL, 11-09, 19.0' Top of deck. 7/15/11 FL 12.9 TOD 3' E of SW COR * 07/11/2013 Drift in FL *

LOAD RATING AND POSTING

31. Design Load: 2 M 13.5 (H 15)
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): 13.0 24.0 -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: 0 >39.9% below
Date Rated : 6/1/2004

PROPOSED IMPROVEMENTS

94. Bridge Cost: $198,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $109,000
76. Lgth. of Improvment: 127.4 ft
96. Total Cost: $315,000
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: 3 Intolerable - Correct
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: 94
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 : 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: 131313
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 :
-1 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Chipseal
246. Overlay Thickness : 2.0
246. Overlay Date : 6/1/2004
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.: **06368** Structure No.: 60E0680N3260001 Local ID:116 3

Suff. Rating: 49.8 FO

Health Index : 59.9

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

Structure / Inspection Notes

Drift on upstream side in fence line.

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)	661	0	0 %	661	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	289	0	0 %	229	79 %	60	21 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	36	0	0 %	30	83 %	4	11 %	2	6 %	0	0 %
510	1	Wearing Surfaces	(SF)	661	413	62 %	248	38 %	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
970	1	Wing	(EA)	2	0	0 %	2	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	FX- 2" gravel on deck. Cant see deck. Runners breaking up.
107	FX-Moderate rust on all beams.
217	FX - Large vertical crack in west abutment - Clean and Seal. * FX - Small vertical crack in east abutment - Fill and Protect. West abutment breaking off at ground line. * PX-Creek flowline has migrated from midspan to west abutment causing undermining
510	2" gravel on deck. Cant see deck. 6' width is timber runners and 10' width is 2" gravel overlay
965	PX- Heavy debris under bridge causing water to run on west abutment
968	Erosion beginning at base west abutment
970	FX - SW separating up to 3 inches at top & leans in 1 inch. Stable at this time. NE wing cracked up to 1/2 inch away - fill and protect.

Picture 1 – Roadway Looking East

Picture 2 – West Weight Limit Sign

Circle # 116

Picture 3 – Deck Runners

Picture 4 – East End Deck

Circle # 116

Picture 5 – Sideview Looking South

Picture 6 – Debris

Circle # 116

Picture 7 – West Abutment

Picture 8 – Base West Abutment

Picture 9 – East Abutment

Picture 10 – Girders

Picture 11 – East Weight Limit Sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **06207** Structure No.: 60E0680N3270006 Local ID:117 3

Suff. Rating: 18.9 SD

Health Index : 0.0

IDENTIFICATION

Description:
30' I-BEAM SPAN, (TEMPORARY 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 - E0680 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 80TH ST (E0680) _
9. Location: 80TH ST & REDLAND RD .6E
11. Mile Post: 3.599 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 43.44
17. Longitude: 097 10 05.29
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	7/9/2013	7/9/2015
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: 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:

3/1/00 - Flowline = 7.3' --- Temp. 7 ft. steel pipe. - 11-09

AGE AND SERVICE

27. Year Built: 1938
106. Year Reconstructed: Unknown
28A. Lanes on: 1
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 : 7/3/2002

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.0 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.: 16.0 ft
48. Length Maximum Span: 30.0 ft
49. Structure Length: 30.7 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: $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: 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: 4 Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 86
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 : 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.: 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 :
31 -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.: **06207** Structure No.: 60E0680N3270006 Local ID:117 3

Suff. Rating: 18.9 SD

Health Index : 0.0

Inspection Date:	7/9/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Temporary 7 ft x 36 ft steel tank * South end needs markers

* Minor bank slumping on SE * Tank still in place, a 7 ft x 36 ft steel tank, 1 ft cover on top * Posted 13 tons on east only (remove) * Good gravel roadway * Some riprap at ends of tank First reported 2002.

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)	491	0	0 %	0	0 %	0	0 %	491	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	217	0	0 %	0	0 %	0	0 %	217	100 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	5	0	0 %	0	0 %	0	0 %	5	100 %	0	0 %
216	1	Timber Abutment	(LF)	20	0	0 %	0	0 %	0	0 %	20	100 %	0	0 %
235	1	Timber Cap	(LF)	24	0	0 %	0	0 %	0	0 %	24	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	Temporary Pipe, first reported 2002. -- 7 ft. X 36 ft. steel pipe.
107	< none >
206	< none >
216	< none >
235	< none >

Picture 1 – Roadway looking east

Picture 2 – South end

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **06208** Structure No.: 60E0680N3280003 Local ID:118 3

Suff. Rating: 82.0 ND

Health Index : 0.3

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 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0680 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 80TH ST (E0680) _
9. Location: 80TH ST & COTTONWD .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 43.83
17. Longitude: 097 09 21.53
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	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: 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: 8 Gravel
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 6'-5". 02/02/2009. - FL, 6.5, 11-09. * 7/16/11 FL 6.0 TOD 4' E of SW COR

AGE AND SERVICE

27. Year Built: 1938
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 %: 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: 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: 5 At/Above Legal Loads
Date Rated : 6/1/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 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: 29.0 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.: 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: 4 Tolerable
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: 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 : -
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 : NR
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 : 35.0 / -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 : 10.0
246. Overlay Date : 6/1/2004
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?: _
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.: **06208** Structure No.: 60E0680N3280003 Local ID:118 3

Suff. Rating: 82.0
ND

Health Index :
0.3

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

Structure / Inspection Notes

Temp - 9' x 43' Iron Pipe

FX-Brush hides markers * Minor erosion out into shoulder

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)	0	0	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	210	0	0 %	0	0 %	0	0 %	210	100 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	36	0	0 %	0	0 %	0	0 %	36	100 %	0	0 %
330	1	Metal Bridge Railing	(LF)	30	0	0 %	0	0 %	0	0 %	30	100 %	0	0 %
510	1	Wearing Surfaces	(SF)	540	0	0 %	0	0 %	0	0 %	540	100 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	10 in. soil over, - Sat.cond.
107	Heavy rust with small pitting all beams.
215	FX - Large vertical crack on east abutment near center.
330	FX - Rail damaged each side & ineffective. --- Handrail ONLY. Rail missing north side
510	10 in. soil over, - Sat.cond.

Picture 1 – Roadway Looking West

Picture 2 – South End

Circle # 118

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25265** Structure No.: 60E0680N3300001 Local ID:119 3

Suff. Rating: 97.0 ND

Health Index : 69.5

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 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0680 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 80TH ST (E0680) _
9. Location: 80TH & CNTRY CLB LN .1E
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 44.24
17. Longitude: 097 07 18.33
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
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.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 7 Minor Damage

Flowline Notes:

Flowline to top of deck. 18.5'- 02/02/2006 - FL, 17.9', 11-09. * 7/16/11 FL 18.2 TOD 20' E of SW COR 07/09/2013 FL 18.3 TOD 21' E OF SW COR *

AGE AND SERVICE

27. Year Built: 1997
106. Year Reconstructed: Unknown
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: 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 71.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 28.0 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 : 6/1/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,258.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.4 ft
48. Length Maximum Span: 45.7 ft
49. Structure Length: 46.6 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.4 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: $213,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $117,000
76. Lgth. of Improvment: 136.8 ft
96. Total Cost: $339,000
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: 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: 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 : Red Lead Ready
Overcoat : 0
226. Date Painted: 9701
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 52.0 / -1
244. Span Lengths :
47 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 30.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 6/1/2004
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.: **25265** Structure No.: 60E0680N3300001 Local ID:119 3

Suff. Rating: 97.0 ND

Health Index : 69.5

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

Structure / Inspection Notes

Built 1997

< 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)	1,230	615	50 %	615	50 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	256	0	0 %	256	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)	54	0	0 %	54	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	54	0	0 %	54	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	93	93	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	233	233	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,385	0	0 %	2,385	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	103	103	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 %
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	Small cracks.
107	FX-Fair paint
202	FX-Rusty. 8 -pile at wings
219	FX-Rust forming. West abutment could use fill and rip rap for erosion
231	FX-Rust has formed.
330	< none >
510	FX- Light gravel overlay retards deck drainage
515	Fair paint
865	Fair paint
890	Freckled rust
919	
958	Minor cracks in deck
968	PX- West bank is slumping 3 feet at midway between abutment base and flow line. PX- East bank is unprotected from erosion at abutment

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking North

Circle # 119

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27172** Structure No.: 60E0680N3510009 Local ID:121 1 Suff. Rating: 86.0 ND Health Index : 61.5

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 - E0680 - 0
6. Feature Intersected: SKULL CREEK
7. Facility Carried: E0680 (FAIRLAWN) _
9. Location: FAIRLAWN/LINWOOD .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 44.59 17. Longitude: 096 44 02.27
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 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.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
FL to top of deck - 22.8' - 03/10/2006 - FL, 22.8', 10-09.
FL, 22.1, 2.6 Water, 11-2011. * 10/10/13 - FL 22.5 TOD 23' E of SW 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: 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-Tor Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 68.0 91.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 41.0 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 : 2/9/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.7 ft
Deck Area: 1,213.6 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: 45.0 ft 49. Structure Length: 46.5 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: 26.1 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: $306,386 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $153,193 76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $510,133 114. 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: 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: 72
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 : 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 : 38.0 / -1
244. Span Lengths :
46 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 30.000
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.: **27172** Structure No.: 60E0680N3510009 Local ID:121 1

Suff. Rating: 86.0 ND

Health Index : 61.5

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

9 beams. 3 braces @ 1/4 points.

FX - Beam ends in Condition State 3.

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)	1,186	0	0 %	1,186	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)	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)	93	93	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	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	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	NVP - 1/2 inch gravel on 45% of deck.
107	FX - Random patches of rust with minor pitting. Paint Scaling. - 1 beam appears to have been placed 'upside down' from previous placement. USED BEAMS
202	PX - Surface Rust forming or has formed.
219	FX - Surface Rust with minor scaling @ ground line.
231	FX - Surface rust is forming or has formed.
330	'Weak' Steel posts. Single Rail, Not Nested.
358	Lite to Moderate size, Lite Density.
363	FX - West abut. @ groundline. 4 of 5 west columns @ ground line.
515	Random patches of rust with minor pitting. Paint Scaling. - 1 beam appears to have been placed 'upside down' from previous placement. USED BEAMS
690	Freckling, spotted surface rust.
765	Random Surface rust spots.
919	Galv. 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	16.0	26.0	31.0	42.0	45.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		17.4	19.5	22.1	21.8	19.5	14.3	11.0	-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 east

Picture 2 – Sideview looking south

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25609** Structure No.: 60E0680N3570006 Local ID:123 1

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
35'-100'-35' 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 - 6022C - 0
6. Feature Intersected: EUCHEE CREEK
7. Facility Carried: 80TH ST. (E0680) _OAK GROVE RD.
9. Location: 80TH ST\OAK GROVE RD.6E
11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 45.11
17. Longitude: 096 37 50.34
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	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 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: 7 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:

Flowline, 27.3, 4.1 Water, 11-2011. 2013 - FL 29.5 TOR 50' E of West Pier South Side

AGE AND SERVICE

27. Year Built: 1997
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 2.5 mi
29. ADT: 75
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): 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 : 10/28/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.7 ft
Deck Area: 4,929.9 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: 100.1 ft
49. Structure Length: 172.9 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: 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: $425,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $234,000
76. Lgth. of Improvment: 273.2 ft
96. Total Cost: $661,000
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: 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: 62
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.: 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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
35 -1 -1
100 -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"? 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.: **25609** Structure No.: 60E0680N3570006 Local ID:123 1

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

4 PC beams.

FX - Heavy Brush @ all 4 corners, {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)	4,928	4,928	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	549	549	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)	56	56	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)	344	341	99 %	3	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)	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 %

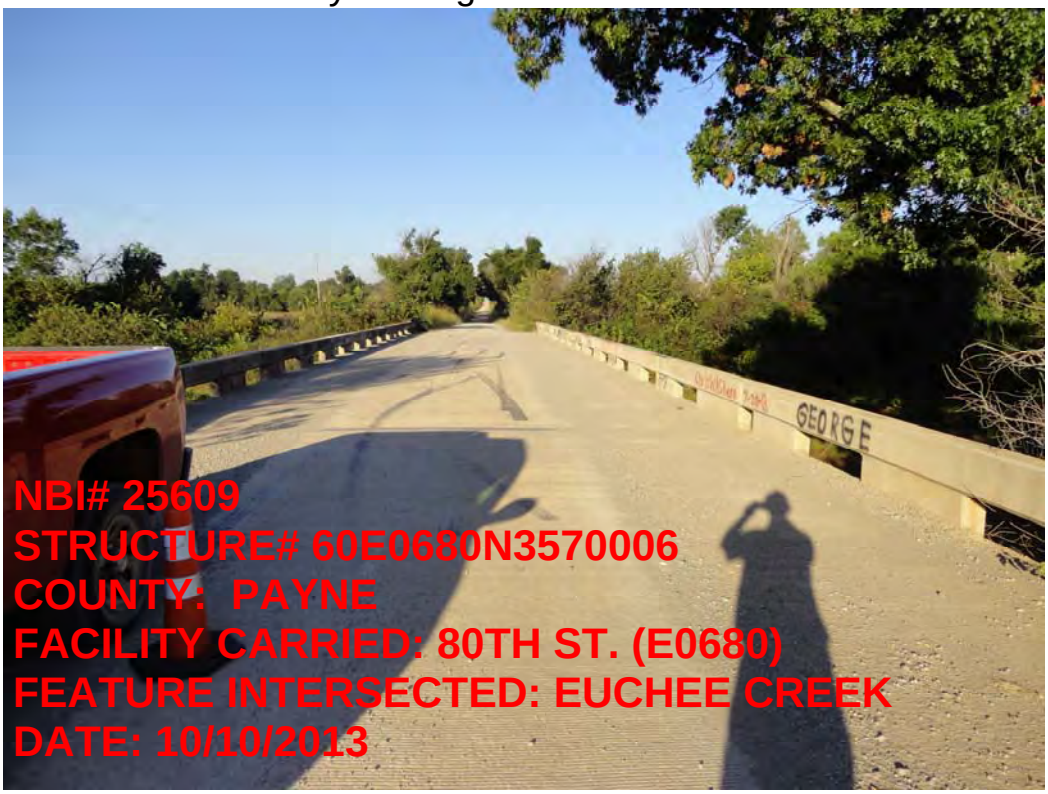
Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	NO Visible Problems. - Lite soil & Gravel, Mostly @ Rails.
109	NVP, 35' TYPE II PC BEAMS, 100' TYPE IV PC BEAMS
205	Footing 'Can' visible @ NE Column.
215	NVP -- Very lite seepage @ backwalls.
234	Piers have a 'Stepped' Cap.
302	Presently debris covered, Working well.
310	Thin Pads, [1/2 inch]. No Notable Problems.
331	Surface Defects. Sm.Spalls @ roadside Face. Minor
659	NVP
719	No visible Problems.
916	Locknuts missing on 6 bolts @ West Abut. & E.&W.Piers, Scattered. Scattered Freckling @ Plates & bolts.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.5	17.0	36.0	51.0	80.0	110.0	123.0	136.0	143.0	160.0	169.0	-1.0	-1.0	-1.0	-1.0
Profile		8.5	12.5	17.4	23.2	29.5	25.9	23.2	21.4	17.6	11.4	8.1	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Pier	Wtr. Edge	Flowline	Flowline	Wtr. Edge	Pier	_	_	Abutment	_	_	_	_

Picture 1 – Roadway looking west



Picture 2 – East abutment

Picture 3 – Sideview looking southwest

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **08569** Structure No.: 60E0690N3190002 Local ID:124 3 SD

Suff. Rating: 55.5 Health Index : 19.5

IDENTIFICATION

Description:
13',22' I-BEAM SPANS, 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 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST (E0690) 92ND ST.
9. Location: 92ND ST & MAJOR RD .2E 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.13 17. Longitude: 097 18 53.67
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: 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

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: 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): 17.1 ft
Deck Area: 592. 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: 22.0 ft 49. Structure Length: 36.7 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

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	7/15/2015	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: 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

CONDITION

58. Deck: 4 Poor 59. Super.: 4 Poor 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
1/18/01 - Flowline to deck top = 17.5' * 12/12/2006 - Flowline to deck top = 17.1' poor channel profile * 12/10/04 - Flowline = poor channel profile
FL, 17.1', 11-09.

LOAD RATING AND POSTING

31. Design Load: 1 M 9 (H 10) 41. Posting status: E Open, temp struct
63. Op. Rating Method: 1 LF Load Factor-Ton 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-Ton Alt. Inv. Rating Meth.: 1 LF Load Factor-Ton
70. Posting: 5 At/Above Legal Loads Date Rated : 1/4/2005

PROPOSED IMPROVEMENTS

94. Bridge Cost: $124,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $68,000 76. Lgth. of Improvment: 60.1 ft
96. Total Cost: $225,000 114. 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: 3 Intolerable - Correct
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: 4 Stable, needs action

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: No Rail
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: 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: 3
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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 25.0 / -1
244. Span Lengths :
22 -1 -1
13 -1 -1
-1 -1
245. Girder Depth : 12.000
246. Type of Overlay : Soil
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?: 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.: **08569** Structure No.: 60E0690N3190002 Local ID:124 3

Suff. Rating: 55.5 SD

Health Index : 19.5

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

Structure / Inspection Notes

* 2-10'x54' long steel pipe at 15d skew * FX-Brush hides unmarked corners *

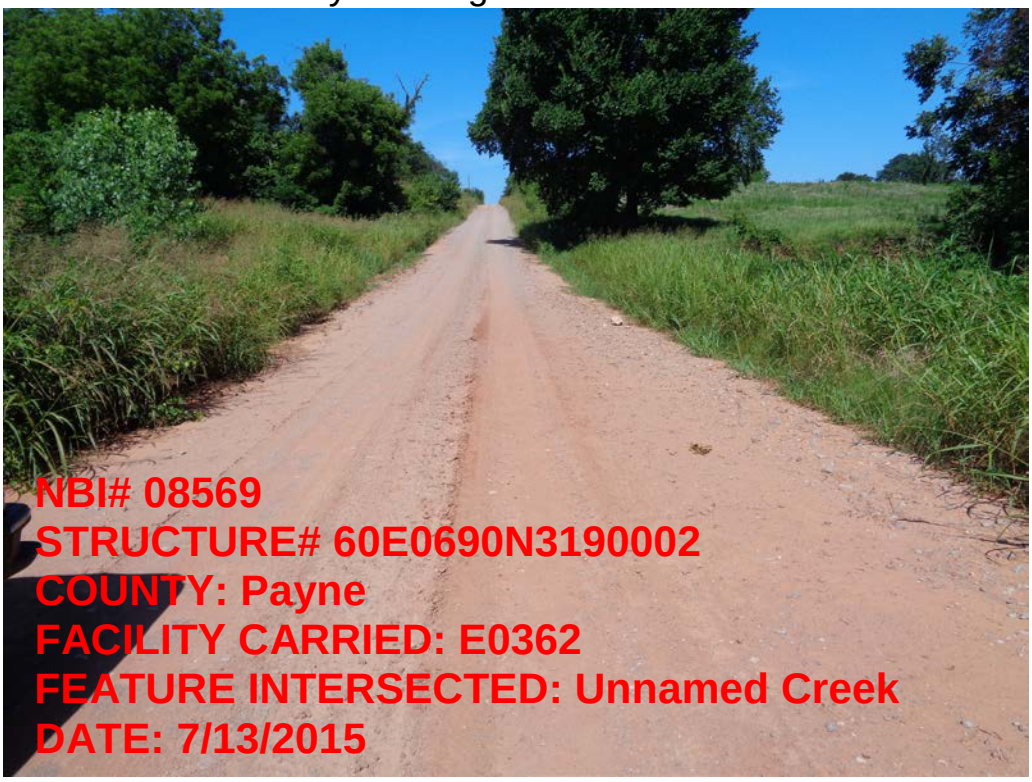
* FX - Drift north side needs to be removed soon. * FX-Erosion on SW bank. (Large) *

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)	587	0	0 %	0	0 %	0	0 %	587	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	277	0	0 %	0	0 %	277	100 %	0	0 %	0	0 %
111	1	Timber Open Girder/Beam	(LF)	49	0	0 %	49	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	12	0	0 %	0	0 %	0	0 %	12	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)	48	0	0 %	0	0 %	0	0 %	48	100 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	11	0	0 %	0	0 %	11	100 %	0	0 %	0	0 %
960	1	Settlement	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	0	0 %
963	1	Steel Section Loss	(EA)	1	0	0 %	0	0 %	0	0 %	1	100 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	0	0 %	1	100 %	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 - Soil between runners, about 2 ins. thick, covering all of the deck. Some wear and equipment damage to runners. Signs of distress (moisture) on bottom.
107	Heavy Section loss on #3 (in west) with holes in bottom flange. Minor pitting on tops of all others. 80% = ok.
111	Some minor decay.
202	Light to moderate exfoliation at bottom of all piles. Heavy surface rust all areas.
216	PX - Bottom of west abutment undermined with cavity started due to drift. Needs repaired soon. Lower board on east mostly rotted.
231	Heavy surface rust with scaling overall.
515	Heavy Section loss on #3 (in west) with holes in bottom flange. Minor pitting on tops of all others. 80% = ok.
960	FX - East abutment unchanged. Pile at east leaning 12 inches at top due to lateral pressure.
963	PX - Holes in Beam #3, Loss moderate overall.
965	FX - Lite-mod. Drift Build up @ Pile Bent.
970	PX - NE wing failed with loss of fill. Almost into edge of roadway. NW wing leaning badly w/minor separation at abutment started. Heavy brush under bridge.

Picture 1 – Roadway Looking West



Picture 2 – South End

Circle # 124

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28560** Structure No.: 60E0690N3190004 Local ID:125 3

Suff. Rating: 95.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
105' PC BEAM X 26'-9" RDWY, 0 SKEW 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 - E0690 - 0
6. Feature Intersected: CLEAR CREEK
7. Facility Carried: 92ND ST (E0690) E0690
9. Location: 1.9E,7.0S OF I-35/S.H.51
11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 54.00
17. Longitude: 097 18 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	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: 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: 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, 22.3 F/ top of N. rail. 7/6/11 FL 23.8 TOR 60' E of SW COR

AGE AND SERVICE

27. Year Built: 2009
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): 64.0 100.0 0.0
66. Inventory Rating (H / HS / 3-3) : 43.0 72.0 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 : 8/4/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 30.0 ft
Deck Area: 2,981.9 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: 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: 26.8 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: $387,837
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $193,918
76. Lgth. of Improvment: 115.5 ft
96. Total Cost: $620,539
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: 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: 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 : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/4/2011
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.: **28560** Structure No.: 60E0690N3190004 Local ID:125 3

Suff. Rating: 95.0 ND

Health Index : 100.0

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

Structure / Inspection Notes

Bridge 285600000000000 entered 10/18/2006 08:38:57 by userid pontis

* Very good rip rap protection on banks

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)	2,814	2,814	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)	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)	210	210	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	525	525	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	NEW, no visible problems.
109	< none >
215	NVP
310	NVP
331	< none >
510	FX- Dirt and gravel overlay along rails retards deck drainage
819	NVP
859	NVP
916	< none >

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 125

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24112** Structure No.: 60E0690N3200003 Local ID:125A 3

Suff. Rating: 86.0 ND

Health Index : 68.5

IDENTIFICATION

Description:
23' I-BEAM SPAN, SK85LF

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 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST. (E0690) _
9. Location: 92ND ST& PLEASANT VY .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.03
17. Longitude: 097 17 43.25
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	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: 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 - 13.0' - 03/13/2006. - FL, 13.0', 11-09. * 7/13/15- FL 13.1 TOD 6' E OF SW COR

AGE AND SERVICE

27. Year Built: 1995
106. Year Reconstructed: Unknown
28A. Lanes on: 2
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: 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 72.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 28.0 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 : 8/5/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 604.1 sq. ft
33. Median: 0 No median
34. Skew: 5
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.8 ft
48. Length Maximum Span: 22.0 ft
49. Structure Length: 22.8 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.8 ft
52. Width Out to Out: 26.5 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: $146,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $80,000
76. Lgth. of Improvment: 93.7 ft
96. Total Cost: $230,000
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: 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: 86
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: 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: 9501
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 : 51.0 / -1
244. Span Lengths :
23 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 1/1/1994
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.: **24112** Structure No.: 60E0690N3200003 Local ID:125A 3

Suff. Rating: 86.0 ND

Health Index : 68.5

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

Structure / Inspection Notes

* Deck Controls Rating *

* 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)	588	588	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)	53	0	0 %	37	70 %	16	30 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	53	0	0 %	53	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	46	0	0 %	46	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	588	588	100 %	0	0 %	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	1	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	51	0	0 %	51	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 Visible Problems.
107	FX-Heavy surface rust most areas.
202	FX-Heavy surface rust with light scaling only. 8 pile at wings.
219	FX-Some initial exfoliation on lower 6 inches on most of west abutment.
231	FX-Heavy surface rust.
330	FX-Age-bent south side
510	Dirt and gravel overlay along rails retards deck drainage
865	FX-Heavy surface rust.
890	Stay in place forms
919	Rail bent south side. Coating dulling
963	FX-Exfoliation @ most of W.Abut., lower 6 inches. Very minor.

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking South

Circle # 125A

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **08577** Structure No.: 60E0690N3230001 Local ID:126 3 SD

Suff. Rating: 32.0 Health Index : 33.3

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 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST (E0690) E0690
9. Location: 92NDST & MERIDIAN RD .1E 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.19 17. Longitude: 097 14 46.10
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	7/15/2015	7/14/2017
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: 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
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: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 4 Poor 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
4/2/02 - Flowline to deck top = 15.2' poor channel profile * 11/12/2002 - Flowline to deck top = 16.4' fair channel profile * 12/9/04 - Flowline to deck top = 16.3'11/09 * 7/14/11 FL 15.9 TOD 15' E of SW COR * 07/11/2013 FL 16 TOD 14' E OF SW COR *

AGE AND SERVICE

27. Year Built: 1940 106. Year Reconstructed: 2002
28A. Lanes on: 1 28B. Lanes Under: 0 19. Detour Length: 3.0 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: 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): 15.0 24.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 9.0 14.0 -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 : 1/5/2005

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 484.4 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: 28.3 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: 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: $85,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $47,000 76. Lgth. of Improvment: 109.6 ft
96. Total Cost: $225,000 114. Future ADT: 40
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: 6 Equal Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 92
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 : 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 : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 141414
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : Y
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: Dirt

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
31 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.1
246. Overlay Date : 12/9/2004
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.: **08577** Structure No.: 60E0690N3230001 Local ID:126 3

Suff. Rating: 32.0 SD

Health Index : 33.3

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Heavy bank erosion & slumping * Channel clear & widening * Heavy erosion in SW ditch * FX- Tall grass hides unmarked deck corners

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)	488	0	0 %	488	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	248	0	0 %	0	0 %	248	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	11	0	0 %	0	0 %	11	100 %	0	0 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	4	0	0 %	0	0 %	0	0 %	4	100 %	0	0 %
216	1	Timber Abutment	(LF)	31	0	0 %	15	48 %	16	52 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	36	0	0 %	0	0 %	36	100 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	488	0	0 %	488	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 %
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 - Heavy amount of gravel & soil on deck between runner, decay. Runners failing. Plank broke at north end (photo). No holes visable this date - runners not usable
107	PX- Minor exfoliation at Abutments.
202	PX-Minor exfoliation at ground line. Heavy surface rust overall. 3 steel pile at wings
206	PX- Timber pile at wings failing
216	FX - Some decay on 2nd and 5th plank from bottom on west abutment. Also, near bottom at NE corner. FX-Flow line is near enough to east abutment to begin undermining timber unprotected backwall planks
231	PX-Heavy surface rust with scaling only. Light surface rust on new west cap.
510	FX- Loose gravel retards deck drainage
963	FX - Exfoliation noted On Steel Columns & Beams. 10% loss
968	PX- Flowline at northeast corner should be moved 15' west to flow midway between both abutments. FX - Erosion on both slopes. Under abutment at NE corner
970	FX - SE wing separated with loss of fill started. NW wing repaired with new pile and sheeting.

Picture 1 – Roadway Looking West

Picture 2 – East Weight Limit Sign

Circle # 126

Picture 3 – Sideview Looking North

Picture 4 – East Abutment

Circle # 126

Picture 5 – West Abutment

Picture 6 – Girders

Picture 7 – West Weight Limit Sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09243** Structure No.: 60E0690N3230003 Local ID:127 3 Suff. Rating: 49.0 SD Health Index : 50.8

IDENTIFICATION

Description:
60' 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 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST (E0690) 92ND ST.
9. Location: 92NDST & MERIDIAN RD .3E 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.04 17. Longitude: 097 14 28.23
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	7/14/2015	7/14/2017
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: 8 Wood or Timber
108A. Wearing Surface: 8 Gravel
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 5 Fair 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to deck top 23.8' 11-09 * 7/14/2011 FL 23.5 TOD 30' E of SW COR * 7/14/15-FL 23.8 TOD 29' E A SW 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: 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: 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): 24.0 29.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 18.0 -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 : 1/5/2005

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 1,076.4 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: 57.1 ft 49. Structure Length: 59.9 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: $191,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $105,000 76. Lgth. of Improvment: 92.8 ft
96. Total Cost: $314,000 114. Future ADT: 40
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: 4 Tolerable
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: 94
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 : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: 141414
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : M
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: 0
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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 48.0 / -1
244. Span Lengths :
60 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.2
246. Overlay Date : 1/5/2005
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.: **09243** Structure No.: 60E0690N3230003 Local ID:127 3

Suff. Rating: 49.0 SD

Health Index : 50.8

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

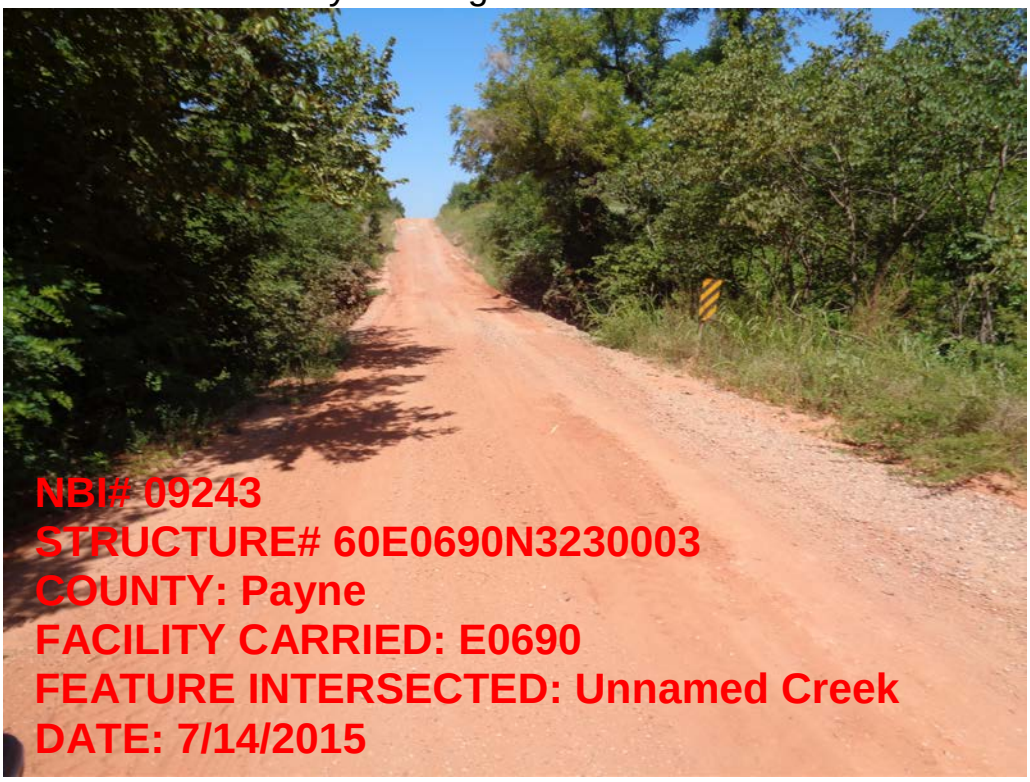
FX - Erosion @ both Front slopes, Abuts. FX- Only northeast deck corner is marked for 23' drop to creek

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)	1,078	0	0 %	0	0 %	1,078	100 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	305	0	0 %	0	0 %	305	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	10	0	0 %	10	100 %	0	0 %	0	0 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	8	0	0 %	0	0 %	8	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	38	6	16 %	20	53 %	12	32 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	52	0	0 %	52	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,078	1,078	100 %	0	0 %	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)	4	0	0 %	4	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	PX - Heavy wear up to 1/2 inch in wheel lanes with some minor decay noted. Needs runners. Covered with 2" gravel 7/11/2013.
107	PX-Heavy surface rust w/scaling all areas. No measureable loss. 90% = ok. May be some pitting on top flanges.
202	FX-Heavy surface rust overall w/some insignificant pitting. Heavy wall oil field pipe.
206	FX-Timber pile at wings failing
216	PX - Bottom exposed on SW & NE corners w/loss of fill started, backwall needs extended down. PX - Large cavity at NE up to 3 foot high noted. Needs repair ASAP.
231	FX-Rust forming or has formed.
510	2" gravel and dirt overlay retards deck drainage
968	FX - Erosion on both front slopes. Behind abutments at base. PX - add fill and protection at both abutments & at SW and NE corners with no protection.
970	FX-Wings at point of failing

Picture 1 – Roadway Looking West



Picture 2 – East Weight Limit Sign

Circle # 127

Picture 3 – Sideview Looking South

Picture 4 –West Abutment

Circle # 127

Picture 5 – East Abutment

Picture 6 – Girders

Picture 7 – Erosion Northeast Corner

Picture 8 – West Weight Limit Sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20968** Structure No.: 60E0690N3270006 Local ID:128 3 Suff. Rating: 64.7 ND Health Index : 50.3

IDENTIFICATION

Description:
41' 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 - E0690 - 0
6. Feature Intersected: WILD HORSE CREEK
7. Facility Carried: 92ND ST (E0690) _
9. Location: 92ND ST&REDLAND RD .6E 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 51.62 17. Longitude: 097 09 55.64
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: 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:
Flowline top of deck = 19.0' 02/06/2006 - FL, 19.0, 11-09 * 7/13/11 FL 21.0 TOD 24' E of SW COR

AGE AND SERVICE

27. Year Built: 1985 106. Year Reconstructed: 2007
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.0 mi
29. ADT: 30 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): 23.0 32.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 19.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/5/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 745.1 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: 40.0 ft 49. Structure Length: 41.4 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: $198,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $109,000 76. Lgth. of Improvment: 127.4 ft
96. Total Cost: $315,000 114. Future ADT: 48
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: 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.: - -
-
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: 8501
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 : 30.0 / -1
244. Span Lengths :
41 -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 : 8/5/2011
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.: **20968** Structure No.: 60E0690N3270006 Local ID:128 3

Suff. Rating: 64.7 ND

Health Index : 50.3

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

Structure / Inspection Notes

Mod. to HVY. bank erosion. * 10-15-07, E.wingwalls rebuilt.

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)	738	738	100 %	0	0 %	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)	14	0	0 %	0	0 %	14	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	36	0	0 %	0	0 %	36	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	82	0	0 %	82	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	246	246	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,435	0	0 %	0	0 %	2,435	100 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	630	630	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	90	0	0 %	90	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	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	
107	FX-Surface rust.
202	PX - Some light exfoliation at bottom of 3 piles on west abutment and #1 on east. Heavy surface rust overall. 6 pile at wings
216	FX - Some decay noted on east abutment to 1 plank. - Bottom exposed 1 to 3 feet w/old repairs to fill. Some loss of fill.
219	FX-Added, 2007. Bending in - Road bed pressure
231	PX-Some minor pitting on bottom of east cap. Heavy rust with scaling, all areas.
330	FX-Low rail, Surface rust.
510	Runners
515	PX-Surface rust.
918	< none >
919	Failing
963	FX-Exfoliation noted on steel piles, Sec.loss. Less than 10%
968	PX- erosion exposed east abutment sheet metal back wall bottoms at south end

Picture 1 – Roadway Looking East

Picture 2 – East Abutment

Circle # 128

Picture 3 – West Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **09146** Structure No.: 60E0690N3300002 Local ID:131 3 Suff. Rating: 65.7 ND Health Index : 48.9

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 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST (E0690) _
9. Location: 92NDST&CNTRY CLB LN .2E 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.10 17. Longitude: 097 07 10.09
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	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
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.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to deck top = 18.0' - 02/06/2006 - FL, 19.2', 11-09. * 7/16/11 FL 19.2 TOD 32' E of SW COR * 07/09/2013 Rock FL

AGE AND SERVICE

27. Year Built: 1940 106. Year Reconstructed: 1992
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: 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): 24.0 32.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 19.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 6/3/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 19.0 ft
Deck Area: 1,024.7 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 21.0 ft
48. Length Maximum Span: 46.3 ft 49. Structure Length: 47.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 21.0 ft 52. Width Out to Out: 21.8 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: $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: 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: 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: _
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: Gravel

243. Girder Spacing/Number : 52.0 / -1
244. Span Lengths :
47 -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.: **09146** Structure No.: 60E0690N3300002 Local ID:131 3

Suff. Rating: 65.7 ND

Health Index : 48.9

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

Structure / Inspection Notes

* Structure widened & new backwalls added Sept. 1992. New deck, only thing from previous structure was 5 inner girders * Good gravel roadway * Low chance of overtopping * Moderate bank erosion w/minor slumping * FX-Brush at deck corners hides 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)	987	493	50 %	494	50 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	287	0	0 %	287	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	19	0	0 %	0	0 %	19	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	44	0	0 %	40	91 %	4	9 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	44	0	0 %	0	0 %	44	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	94	94	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	646	0	0 %	646	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)	103	103	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 %
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	FX- Minor concrete cracking
107	FX-Minor rust. Minor debris on outside girders
202	PX-Rust and minor section loss. 11 pile at wings
219	FX-Light exfoliation at ground line all areas except SW. Minor. Shape west bank at erosion areas & protect from further erosion
231	PX-Heavy surface rust all areas.
330	< none >
515	FX-Minor rust. Paint on outside girders only
865	FX-Rust..
890	FX- Stay in place forms large areas of rust
919	
958	Small cracks on deck, not leaking through
963	FX - Exfoliation is mentioned on Steel Abutment & Sec. Loss @ Steel Piles. Minor
970	FX - Movement on the SE wing has pulled each brace.

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 131

Picture 3 – East Abutment

Picture 4 – West Abutment

Circle # 131

Picture 5 – Girders

Picture 6 – Base Pile West Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23968** Structure No.: 60E0690N3300009 Local ID:131A 3

Suff. Rating: 86.0 ND

Health Index : 66.1

IDENTIFICATION

Description:
25' 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 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST (E0690) _
9. Location: 92NDST&CNTRY CLB LN .9E
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 51.96
17. Longitude: 097 06 23.45
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: 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: 1995
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

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.9 ft
Deck Area: 662.5 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: 24.2 ft
49. Structure Length: 25.0 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: 26.5 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 327.8 ft
56. Minimum Lateral Undrclearance L: 327.8 ft

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: 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.: 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 - 7.5' - 02/10/2006 - FL, 7.5', 11-09. * 7/16/11 FL 8.8 TOD 2' E of SW COR * 07/08/2013 FL 8.9 TOD 2' E OF SW 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): 36.0 64.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 21.0 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 : 1/5/2005

PROPOSED IMPROVEMENTS

94. Bridge Cost: $152,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $84,000
76. Lgth. of Improvment: 97.9 ft
96. Total Cost: $241,000
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: 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: 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. : Open Joint - No Device
-
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 : 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 : -
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 : 28.0 / -1
244. Span Lengths :
25 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 15.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 5/18/1995
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

LINK TO MAP

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23968** Structure No.: 60E0690N3300009 Local ID:131A 3

Suff. Rating: 86.0 ND

Health Index : 66.1

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

Structure / Inspection Notes

Redirect channel to middle of span. * Protect both banks

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)	650	585	90 %	65	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	180	180	0 %	0	0 %	0	100 %	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)	50	0	0 %	50	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)	650	650	100 %	0	0 %	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)	120	120	0 %	0	0 %	0	100 %	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	No Visible Problems. - 07/16/2011 1 in. soil on deck. 07/08/2013 On edge of deck this date
107	FX-Rust with no scaling.
202	PX-Rust. 8 pile at wings. Pile at west fitting at water line.
219	PX-Rust with minor scaling at water line west abutment
231	FX-Rusty
330	FX-Beginning to rust
363	FX-Beam ends in CS-4. Very minor
510	No Visible Problems. - 1 in. soil on deck. On Edges-No gravel on driving lanes
690	Stay in place forms rust forming
765	FX-Rust with light scaling on ends.
965	PX-Dirt under bridge causing water to run west end

Picture 1 – Roadway looking east

Picture 2 – Side view looking north

Picture 3 – East abutment

Picture 4 – West abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30391** Structure No.: 60E0690N3360000 Local ID:132 3

Suff. Rating: 68.2 ND

Health Index : -1.0

IDENTIFICATION

Description:
60' PONY TRUSS

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 - E0690 - 2
6. Feature Intersected: LOST CREEK
7. Facility Carried: E0690 (92ND ST.) E0690
9. Location: 92ND & BRUSH CR. INT.
11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 51.95
17. Longitude: 097 00 51.95
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	5/21/2012	5/21/2014
FC Freq.:	Y	N	24	**2/1/2012**	**2/1/2014**
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.: 4 Hist sign not determin
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: 8 Very 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 TO TOD = 17'1" S EDGE, 1' WATER

AGE AND SERVICE

27. Year Built: 2012
106. Year Reconstructed: -4
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 2.0 mi
29. ADT: 50
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): 15.0 28.0 0.0
66. Inventory Rating (H / HS / 3-3) : 12.0 21.0 0.0
65. Inv. Rating Method: 2 AS Allow. Stress-To
Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 1 30.0-39.9%below
Date Rated : 2/17/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 25.0 ft
Deck Area: 1,074. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 17.9 ft
48. Length Maximum Span: 60.0 ft
49. Structure Length: 60.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 17.9 ft
52. Width Out to Out: 17.9 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.	-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: 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: 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: 5 Above Min Tolerable
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: 45
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 : NO
c. Narrow/One Lane Bridge sign : N
d. Vertical Clearance Sign: _
Advanced Warning Sign : NO
Min. Measured Clearance : -1
Max. Measured Clearance : -1
e. Navigation Lights : _
Working/Not Working : _
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 : Red Lead Ready
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 : -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.: **30391** Structure No.: 60E0690N3360000 Local ID:132 3

Suff. Rating: 68.2 ND

Health Index : -1.0

Inspection Date:	5/21/2012	Reported By:	AFINLEY
Invoice No.:	10055-05	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

Truss was brought it in from its previous location during replacement project BRF-160C(141)CO to replace a structurally deficient I-beam span that was closed in 2007. *5/21/2012 - O.S. Inspection performed to verify load posting. Bridge was posted, O.S. Inspections removed from schedule.

Additional Elements

< none >

Picture 1 – Roadway looking west

Picture 2 – Sideview looking south

Circle # 132

Picture 3 – Stringers

Picture 4 – Stringers

Circle # 132

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25266** Structure No.: 60E0690N3370003 Local ID:134 3 Suff. Rating: 86.0 ND Health Index : 71.4

IDENTIFICATION

Description:
33' I-BEAM SPAN, SK70LF
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 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 92ND ST (E0690) _
9. Location: 92ND&FAIRGRNDS RD .3E 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.27 17. Longitude: 096 59 39.99
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. 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: 7 Minor Damage
Flowline Notes:

Flowline top of deck - 13.9' - 02/10/2006 - FL, 14., 10-09. * 7/22/11 FL 13.9 TOD 15' E of SW COR * 07/08/2013 FL 14 TOD 16' E OF SW COR * 7/25/15- FL 14.2 TOD 16' E OF SW COR

AGE AND SERVICE

27. Year Built: 1997 106. Year Reconstructed: Unknown
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: 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 88.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 35.0 53.0 -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 : 8/8/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 888.3 sq. ft 33. Median: 0 No median
34. Skew: 20 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.4 ft
48. Length Maximum Span: 32.0 ft 49. Structure Length: 32.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.4 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: $177,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $97,000 76. Lgth. of Improvment: 113.8 ft
96. Total Cost: $281,000 114. 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: 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: 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 : -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: 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 : 53.0 / -1
244. Span Lengths :
33 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 4.0
246. Overlay Date : 8/8/2011
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.: **25266** Structure No.: 60E0690N3370003 Local ID:134 3

Suff. Rating: 86.0 ND

Health Index : 71.4

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Deck Controls Rating *

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)	868	781	90 %	87	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	160	0	0 %	145	91 %	15	9 %	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)	36	29	81 %	7	19 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	25	0	0 %	25	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	25	0	0 %	25	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	66	0	0 %	66	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	868	0	0 %	868	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,715	0	0 %	0	0 %	1,715	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	50	71 %	20	29 %	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)	73	0	0 %	73	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-Asphalt on deck.
107	FX-Rust on top & bottom of flanges.
202	FX-Rust. 5 pile at wings
215	FX-Spalling on west abutment at add on.
219	FX-Rust.
231	FX-Rust. Minor
330	FX-Bent
510	FX-Asphalt on deck. Patched
515	PX- Rust on top & bottom of flanges. Paint poor condition
865	FX-Rust on top and bottom of flanges.
890	FX-Stay in place forms beginning to rust
919	Failing
963	FX-Beams & beam ends in CS-4, Sec.Loss. Loss less than 5%

Picture 1 – Roadway Looking East

Picture 2 – East Abutment

Circle # 134

Picture 3 – West Abutment

Picture 4 – Girders

Picture 5 – Sideview Looking Northeast

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01747** Structure No.: 60E0690N3440003 Local ID:135 1 Suff. Rating: 43.6 SD Health Index : 50.7

IDENTIFICATION

Description:
97' HI 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 - E0690 - 0
6. Feature Intersected: BIG CREEK
7. Facility Carried: 92ND ST. (E0690) _
9. Location: 92ND ST\CNCL RD .3E 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 53.46 17. Longitude: 096 52 10.03
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: 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 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: 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:
Flowline to top of deck - 27.7' - 02/28/2006 2/18/09 - Water is 2.5 feet deep. See channel profile. * 3-29-2011 - FL TO TOD = 28.1' *

AGE AND SERVICE

27. Year Built: 1926 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: 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: 1 M 9 (H 10) 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 31.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 11.0 19.0 -1.1
65. Inv. Rating Method: 2 AS Allow. Stress-To Alt. Inv. Rating Meth.: 2 AS Allow. Stress-To
70. Posting: 4 0.1-9.9%below Date Rated : 3/28/1996

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 16.2 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 1,905.2 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: 96.0 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: 18.0 ft 52. Width Out to Out: 19.0 ft
53. Minimum Vertical Clearance Over Bridge: 16.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 0.0 ft

	N/E			S/W		
Meas.	E1601	-1	-1	W1601	-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: $318,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $175,000 76. Lgth. of Improvment: 204.4 ft
96. Total Cost: $508,000 114. 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: 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: 8 Equal Desirable
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 4 Stable, needs action

200c. Temperature: 76
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 : 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: 212121
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 1510
Max. Measured Clearance : 1601
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 :
97 -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 : 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.: **01747** Structure No.: 60E0690N3440003 Local ID:135 1

Suff. Rating: 43.6 SD

Health Index : 50.7

Inspection Date:	3/14/2012	Reported By:	AFINLEY
Invoice No.:	10055-04	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

Note: O.S. Inspection added back to shedule to monitor scour/erosion ar east abutment, 3-29-2011. * 3/14/2012 - Other Special inspection performed, void at E. Abutment remains. Approach roadway needs to be removed and the void filled. *

PX - No vertical limit posting signs in place. Measured 16'1" clearance.

Additional Elements

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	0	30.0	50.0	73.0	97.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		16.0	24.0	28.1	25.0	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	_	_	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02814** Structure No.: 60E0690N3510000 Local ID:136 1 Suff. Rating: 47.9 ND Health Index : 40.5

IDENTIFICATION

Description:
30' I-BM SPAN SK 60 LF
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 - E0690 - 0
6. Feature Intersected: SKULL CREEK
7. Facility Carried: DEEP ROCK DEEP ROCK
9. Location: DEEPRCK\LINWOOD INTER 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.15 17. Longitude: 096 44 57.91
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: 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: 5 Bank Prot Eroded
Flowline Notes:

1/3/2003 - Flowline to deck top = 14.0' poor channel profile
FL, 14.0, to top curb, 1.0 water, -10-09. - FL, 12.1, 0.2 water, 11-2011. * 10-2013 FL, 12.2 TOC 26' W of SE COR

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: 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): 13.6 22.2 -1.1
66. Inventory Rating (H / HS / 3-3) : 8.2 13.2 -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 : 2/10/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 713.9 sq. ft 33. Median: 0 No median
34. Skew: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.7 ft
48. Length Maximum Span: 30.0 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: 19.0 ft 52. Width Out to Out: 22.3 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: 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: 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: 5 Stable w/in 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: 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 : None
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 : 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 : 44.0 / -1
244. Span Lengths :
30 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 20.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 8.0
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.: **02814** Structure No.: 60E0690N3510000 Local ID:136 1

Suff. Rating: 47.9 ND

Health Index : 40.5

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

7 Beams. CX-Proper "13 Tons" Posting required.

PX- Needs corner markers. 'S' curve 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)	608	0	0 %	548	90 %	60	10 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	140	0	0 %	140	100 %	0	100 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	46	0	0 %	46	100 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	59	0	0 %	0	0 %	43	73 %	16	27 %	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 %
510	1	Wearing Surfaces	(SF)	608	608	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 %
765	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	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 to Mod. damage and deterioration on curbs. - Lite Cracking of A/C overlay. 8 inch average thickness of overlay.
107	FX-Scattered light scaling and exfoliation on top of outside girders. Heavy rust with Lite Pitting-scaling overall.
215	FX-Moderate to heavy erosion at Ground line. Up to 4 inches on NW. No steel noted. PX-W bank abutment lacks fill & protection from more scour & erosion. PX-E bank lacks protection from scour.
331	FX - Flex-beam replaced (2) section. Most railing deteriorated and spalling. Minor damage to each post. Flexbeam rail needs repairs @ NE End.
361	PX-Scour at base of west abutment is now beginning.
363	FX - Lite Pitting on beams & beam ends. - Exposed Reinf. Steel @ Soffit & Curbs. Minor.
510	Lite to Mod. damage and deterioration on curbs. - Lite Cracking of A/C overlay. 8 inch average thickness of overlay.
659	FX - Lots of Moderate to Hvy. spalling @ First 2 bays on each side. Some near abutment seats and a few other areas. Up to 2 inchs of spalling loss with exfoliation of rebar evident.
765	FX-Scattered light scaling and exfoliation of top flange of outside girder. - Surface rust with some pitting-scaling overall.
968	PX- Erosion is now undermining base of west abutment.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	12.0	12.2	25.0	32.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		12.0	11.4	18.0	10.0	9.7	-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 east

Picture 2 – West weight limit sign

Picture 3 – East weight limit sign

Picture 4 – North rail

Picture 5 – Sideview looking north

Picture 6 – West abutment

Picture 7 – Base west abutment

Picture 8 – East abutment

Picture 9 – Soffit

Picture 10 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02816** Structure No.: 60E0690N3510005 Local ID:137 1 Suff. Rating: 69.0 SD Health Index : 49.2

IDENTIFICATION

Description:
5'-26'-5' CONTINUOUS WF 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 - E0690 - 0
6. Feature Intersected: CREEK
7. Facility Carried: DEEP ROCK RD. DEEP ROCK RD
9. Location: DEEP RCK \LINWOOD.5E 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 52.76 17. Longitude: 096 44 27.86
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 Continuous Stringer/Girder
44. Approach Span Material and Design Type
Steel Continuous 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

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 6 Satisfactory 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
12091/30/01 - Flowline to deck top = 12.0' * 1/3/2003 - Flowline to deck top = 11.7' fair channel profile
FL, 11.7', 10-09. - FL, 11.6, 0.9 water, 11-2011.

AGE AND SERVICE

27. Year Built: 1992 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): 54.0 91.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 32.0 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 : 9/28/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 21.0 ft
Deck Area: 938.6 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: 25.9 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: 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: $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: 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: 5 Above Tolerable
72. Approach Alignment: 8 Equal Desirable Crit
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: Other Rails Including Flexbeam
205. Material and Quantity : -1.0
208. Type of Abutment : Other
Type of Foundation : Natural Foundation Matl.
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 : 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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 43.0 / -1
244. Span Lengths :
5 -1 -1
26 -1 -1
5 -1
245. Girder Depth : 27.000
246. Type of Overlay : Soil
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?: 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.: **02816** Structure No.: 60E0690N3510005 Local ID:137 1

Suff. Rating: 69.0 SD

Health Index : 49.2

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 beams. Deck cantilevered over Masonry abutments [backwalls].

PX-Needs corner markers. FX-Needs vegetation cleared from approaches. Channel in good condition.
FX - Some erosion along NW and NE approaches.
FX - Guardrail has no '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)	920	828	90 %	92	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	209	0	0 %	209	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 %
217	1	Masonry Abutment	(LF)	52	0	0 %	39	74 %	12	22 %	2	4 %	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)	72	0	0 %	72	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)	920	0	0 %	920	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	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	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Some surface wear and small pop-outs. Soil/gravel cover about 65% of deck. NOTE: Deck not better than soffit. Scaling due to gravel on Deck. Soil Spilling Thru @ E.& West approaches.
107	FX-Light surface rust on outside beams. Minor surface rust on most other beams. - Surface Rust in areas of Peeling & where Diaph were Cut.
202	FX - Surface rust overall and moderate Exfoliation-Scaling at bottom 1.5 ft.of all piles. - Suggest, Coat piles, or cover base with concrete.
217	FX-Masonry, [Acting as Backwall to Steel Columns & Cap.] Moderate mortar loss with some erosion and cracking of stones. Provides fill retention mainly. Plate steel used above seat area between girders. FX - One section is missing at SW w/loss of fill from roadway.
231	FX-Lite to Moderate surface rust overall.
330	FX-No damage. Rail weak with small posts and large spacings.
363	FX - Loss to piles. Does not appear to be serious @ this time. FX-(Photos)
510	Some surface wear and small pop-outs. Soil/gravel cover about 65% of deck. NOTE: Deck not better than soffit. Scaling due to gravel on Deck. Soil Spilling Thru @ E.& West approaches. Gravel loose.
515	Light surface rust on outside beams. Minor surface rust on most other beams. - Surface Rust in areas of Peeling & where Diaph were Cut.
690	FX-Steel S.I.P. forms in good condition with some minor surface rust, est. 10% - hvy Freckling.
765	FX-Light surface rust on outside beams. Minor surface rust on other beans. Beams over west abutment have soil around them.
919	Galvanized Rail.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.5	5.5	11.0	18.0	23.0	30.0	33.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		9.1	10.9	11.6	10.7	9.7	9.8	8.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Pier	Flowline	Wtr. Edge	_	Pier	Abutment	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

Picture 6 – Pile at west abutment

Picture 7 – Pile at east abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25688** Structure No.: 60E0695N3560004 Local ID:138 1

Suff. Rating: 100.0 ND

Health Index : 100.0

IDENTIFICATION

Description:
40', 80', 40' 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 - 6022C - 0
6. Feature Intersected: EUCHEE CREEK(E0695)
7. Facility Carried: 95TH ST. _
9. Location: 95TH ST\GREENWD RD .4E
11. Mile Post: 2.899 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 27.00
17. Longitude: 096 39 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	10/10/2013	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
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:

Flowline to top of deck - 28.0' - 11/30/2007 - FL, 28.0', 10-09.
FL, 29.8, 2.0 Water, 11-2011. * 10/10/13 - FL 32.0 TOR 45' E of west peir southside.

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 %: 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): 55.0 77.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 33.0 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 : 10/30/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.2 ft
Deck Area: 4,370.1 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: 78.1 ft
49. Structure Length: 160.1 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: 27.3 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: $3,635,553
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $1,250,000
76. Lgth. of Improvment: 160.1 ft
96. Total Cost: $5,422,964
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: 60
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.: 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
-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 :
40 -1 -1
80 -1 -1
40 -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.: **25688** Structure No.: 60E0695N3560004 Local ID:138 1

Suff. Rating: 100.0 ND

Health Index : 100.0

Inspection Date:	10/10/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

4 PC Beams. Design shows no beam ends.

NVP
FX - Brush under, Remove From Cent.Span & NE, NW corners.

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)	4,082	4,082	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	600	600	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)	52	52	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 %
310	1	Elastomeric Bearing	(EA)	24	24	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	322	322	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 %
909	1	Pourable Fixed Joint Seal	(LF)	2	2	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	FX - Dirt & Debris @ rails holding moisture On Deck.
109	< none >
205	NVP
215	NVP
234	NVP - Stepped Cap.
310	[1-3/4 inch thisk pads]
331	No Visible Problems. FX-Brush growing at rail ends.
659	< none >
719	No 'ends' at bents.
909	Lite Adhesion failures, Scattered.
916	NVP

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.5	17.0	35.0	40.0	58.0	70.0	95.0	100.0	102.0	119.0	130.0	137.0	157.0	-1.0	-1.0
Profile		8.6	9.9	19.0	19.0	28.0	29.8	29.5	27.2	20.7	20.2	15.9	15.1	7.9	-1.0	-1.0
Event		Abutment	Slope Ch.	Slope Ch.	Pier	Wtr. Edge	Flowline	Flowline	Slope Ch.	Slope Ch.	Pier	Slope Ch.	Slope Ch.	Abutment	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – Soffit

Picture 4 – West abutment

Picture 5 – Under bridge east

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02805** Structure No.: 60E0700N3290009 Local ID:139 3

Suff. Rating: 62.7 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 - E0700 - 0
6. Feature Intersected: WILD HORSE CREEK
7. Facility Carried: 104TH ST (E0700) _
9. Location: 104TH & RANGER RD .9E
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 59.77
17. Longitude: 097 07 27.69
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

STRUCTURE TYPE AND MATERIALS

43. Main Span Material and Design Type
Steel 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

AGE AND SERVICE

27. Year Built: 1930
106. Year Reconstructed: 1991
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

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 716. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 18.6 ft
48. Length Maximum Span: 34.5 ft
49. Structure Length: 35.8 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 18.6 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

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

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 = 18.0' 02/02/2006 - FL, 18.0', 11-09. * 7/13/11 FL 18.3 TOD 22' E of SW COR * 07/09/2013 FL 18.6 TOD 23' E OF SW COR * 7/22/15- FL 19.0 TOD 32' E OF SW 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-Ton
Alt. Op. Rating Meth.: 1 LF Load Factor-To
64. Operating Rating (H / HS / 3-3): 16.0 24.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 9.0 15.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Ton
Alt. Inv. Rating Meth.: 1 LF Load Factor-To
70. Posting: 4 0.1-9.9%below
Date Rated : 8/8/2011

PROPOSED IMPROVEMENTS

94. Bridge Cost: $185,000
75. Type of Work: 31 Repl-Load Capacit
95. Roadway Cost: $102,000
76. Lgth. of Improvment: 119.1 ft
96. Total Cost: $294,000
114. Future ADT: 40
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: 5 Above Tolerable
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: 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: _
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: 3001
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 : 19.0 / -1
244. Span Lengths :
35 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 18.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/8/2011
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.: **02805** Structure No.: 60E0700N3290009 Local ID:139 3

Suff. Rating: 62.7 ND

Health Index : 67.0

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

Structure / Inspection Notes

* Deck Controls Rating * FX-Brush hides rail ends *

Appears to have been reconstructed in 1991.

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)	665	0	0 %	0	0 %	665	100 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	468	0	0 %	468	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)	42	0	0 %	42	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	40	0	0 %	40	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	72	0	0 %	72	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	210	0	0 %	210	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 %
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
31	PX - Decay, splits, section loss, runners split. Deck needs attn.c Note: Applied 80% OCR on deck rating of 21 tons to result in 16 tons.
107	FX-Light rust. Minor pitting
202	FX-Rusty. 12 pile at wings. 10 pile at abutments. Beginning to pit at ground line
219	FX-Rusty. Heavy rust base east abutment
231	FX-Rust forming.
330	FX-Small post too far apart
510	Runners breaking up
919	Beginning to fail
968	Minor erosion south end east abutment

Picture 1 – Roadway Looking West

Picture 2 – East Weight Limit Sign

Circle # 139

Picture 3 – North Side Deck

Picture 4 – South Side Deck

Circle # 139

Picture 5 – West Weight Limit Sign

Picture 6 – Sideview Looking South

Circle # 139

Picture 7 – West Abutment

Picture 8 – East Abutment

Picture 9 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26216** Structure No.: 60E0700N3300003 Local ID:140 3

Suff. Rating: 100.0 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 - E0700 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 104TH ST (E0700) _E 0700
9. Location: 104TH& CNTRY CLB LN .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 59.74
17. Longitude: 097 07 07.61
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: 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: 2002
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: 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.: 26.8 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

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

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 = 21.0' 11-09. * 7/13/11 FL 24.5 TOR 39' E of SW COR * 07/09/2013 FL 24.5 TOR 39' E OF SW 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):	27.0	91.0	-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 : 7/8/2002

PROPOSED IMPROVEMENTS

94. Bridge Cost: $1,061,968
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $1,205,000
76. Lgth. of Improvment: 100.0 ft
96. Total Cost: $2,295,000
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: 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
797.0 828.0 864.0
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) : 8 - Very Good
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 :
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.: **26216** Structure No.: 60E0700N3300003 Local ID:140 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

Rip rap fair on banks * FX-Remove brush from 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)	2,077	2,077	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	375	375	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)	10	10	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	155	155	100 %	0	0 %	0	0 %	0	0 %	0	0 %
819	1	P/S Concrete Open Girder/Beam End (5 Ft.)	(LF)	50	50	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)	10	10	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	< none >
215	< none >
310	< none >
331	< none >
819	< none >
859	< none >
916	< none >

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 140

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23512** Structure No.: 60E0700N3320003 Local ID:140A 3

Suff. Rating: 85.8 ND

Health Index : 52.4

IDENTIFICATION

Description:
36' 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 - E0700 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 104TH ST (E0700) _
9. Location: 104TH ST & WESTERN .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 59.70
17. Longitude: 097 04 57.77
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: 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 top of deck - 13.7' - 02/10/2006 - FL, 13.7', 11-09. * 7/22/15- FL 13.9 TOD 15' E OF SW COR

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: 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-Ton		Alt. Op. Rating Meth.: 1 LF Load Factor-To	
64. Operating Rating (H / HS / 3-3):	39.0	59.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	23.0	35.0	-1.1
65. Inv. Rating Method: 1 LF Load Factor-Ton		Alt. Inv. Rating Meth.: 1 LF Load Factor-To	

70. Posting: 5 At/Above Legal Loads
Date Rated : 8/6/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 943.2 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: 35.0 ft
49. Structure Length: 36.0 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

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: 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: 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: 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 : 51.0 / -1
244. Span Lengths :
36 -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 : 8/6/2011
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.: **23512** Structure No.: 60E0700N3320003 Local ID:140A 3

Suff. Rating: 85.8 ND

Health Index : 52.4

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

Structure / Inspection Notes

* Deck Controls Rating *

Sofffit has stay in place forms. * FX-SW marker missing

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)	921	0	0 %	921	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	182	0	0 %	177	97 %	5	3 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	16	0	0 %	0	0 %	16	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)	72	72	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	108	108	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,732	0	0 %	0	0 %	1,732	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 %
919	1	Steel (Railing) Protective Coating	(SF)	79	79	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-NVPMinor gravel on edges of deck.
107	FX-Some light to moderate pitting on lower flanges of several ends. Up to 3 feet affected on #3 at east end. All loss from previous location. Moderate to heavy rust otherwise on exposed areas. Lots of paint left on webs. Fair to satisfactory overall.
202	PX-Moderate surface rust. 6 pile at wings
219	Beginning to rust
231	FX-Moderate to heavy surface rust only.
330	FX- Brush hides part of rail ends and reaches into south side of roadway
510	FX- Light gravel overlay along rails retards deck drainage
515	Some light to moderate pitting on lower flanges of several ends. Up to 3 feet affected on #3 at east end. All loss from previous location. Moderate to heavy rust otherwise on exposed areas. Lots of paint left on webs. Fair to satisfactory overall.
865	FX - Rust with light pitting top & bottom flanges. - Up to 3 ft. affected @ E. End. Minor
890	FX- Stay in place forms beginning to rust.
919	
963	FX-Loss 8% overall on girders
968	PX- Erosion at north end of west abutment has undermined column protection against erosion.

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 140A

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01002** Structure No.: 60E0700N3360002 Local ID:141 3 SD

Suff. Rating: 52.0 Health Index : 49.5

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 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0700 - 0
6. Feature Intersected: LOST CREEK
7. Facility Carried: 104TH ST (E0700) E0700_
9. Location: 104TH&BRUSH CRK RD .2E 11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 59.57 17. Longitude: 097 00 42.86
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.: 3 Serious
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:

Flowline to top of deck - 18.2' - 11/29/2007. - FL, 19.0, 10-09 * 7/22/11 FL 19.4 TOD 17' E of SW COR * 07/08/2013 FL 19.3 TOD 17' E OF SW COR * 7/23/15- FL 19.5 TOD 16' E OF SW COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: 1990
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: 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 72.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 38.0 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 : 6/4/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 1,205.6 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: 47.0 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: 23.5 ft 52. Width Out to Out: 24.1 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: $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: 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: 3 Intolerable - Correct 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: 4 Stable, needs action

200c. Temperature: 94
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.: - -
-
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: 2001
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 : 30.0 / -1
244. Span Lengths :
50 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 28.000
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.: **01002** Structure No.: 60E0700N3360002 Local ID:141 3

Suff. Rating: 52.0 SD

Health Index : 49.5

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

Structure / Inspection Notes

FX-Cut brush at rail ends. * FX-Needs corners marked south 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)	1,175	0	0 %	1,175	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	400	0	0 %	400	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	12	0	0 %	0	0 %	12	100 %	0	0 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	2	0	0 %	0	0 %	0	0 %	2	100 %	0	0 %
216	1	Timber Abutment	(LF)	39	0	0 %	19	49 %	10	26 %	10	26 %	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)	100	60	60 %	40	40 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,970	0	0 %	0	0 %	0	0 %	2,970	100 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	100	0	0 %	70	70 %	30	30 %	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)	110	0	0 %	110	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	1	100 %	0	0 %	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)	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 Dirt on 40% of deck 1/2"
107	FX-Rust on top and bottom flanges.
202	PX-Moderate pitting. Two pile at wing. Pile welded heavy pitting
206	PX-Timber pile at wing failing
216	PX - Bottom of west backwall failing & undermined at center with loss of fill. No roadway settlement yet. FX - Needs entire new backwall on west ASAP. (Photo) PX-Bank could use 3' fill + rip rap under backwall planks at voids.
231	PX-Rust forming or has formed.
330	FX-Rail rusting, @ most.
515	PX-Rust on top and bottom flanges. Poor condition
865	FX-Rust on top and bottom flanges.
890	FX- Beginning to rust
919	FX- Failing
963	FX-Beam ends in CS-4, Sec.Loss 5% or less. Base of west pile 10% or less. Section loss on all pile fittings
965	FX - A few large pieces of drift lie in channel beneath bridge
968	FX-Erosion under west abutment
970	FX- SE wing missing or covered up with dirt

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking South

Circle # 141

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

Picture 6 – Base West Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **30407** Structure No.: 60E0700N3470001 Local ID:142 1 Suff. Rating: 97.0 ND Health Index : 82.1

IDENTIFICATION

Description:
38 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 - E0700 - 0
6. Feature Intersected: CABIN CREEK
7. Facility Carried: Grandstaff IRR E0700
9. Location: .1E, of Stiles 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 00.18 17. Longitude: 096 49 05.65
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	2/17/2014	2/17/2016
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: 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: 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:
FL, 20.8, 0.6 water, 2-2014., 2-17-14 fl 20.7 tod 20 e of sw cor

AGE AND SERVICE

27. Year Built: 2014 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: 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: 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): 60.0 84.0 0.0
66. Inventory Rating (H / HS / 3-3) : 36.0 53.0 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 : 2/8/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,008.8 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: 36.0 ft 49. Structure Length: 38.5 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: 26.2 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.	-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: 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: 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: 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: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 65
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 : _
Working/Not Working : _
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 : Basic Lead Silico
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.: **30407** Structure No.: 60E0700N3470001 Local ID:142 1

Suff. Rating: 97.0 ND

Health Index : 82.1

Inspection Date:	2/17/2014	Reported By:	GWATKINS
Invoice No.:	60-108	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

REPLACES NBI 02937.
New structure, 1st inspection, 2-6-12. Open 2-6-12, Ron Cagle.

SE wing is old Masonry Abutment. See Photos.
The 20 steel pipe piles are 9 & 10 inches in diameter.

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)	982	982	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	252	252	100 %	0	0 %	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	26	50 %	26	50 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	58	58	100 %	0	0 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	77	0	0 %	77	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)	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	New deck, in service, 2-6-12. - [7 inch reinforced concrete deck.]
107	Beams are new material, unpainted steel.
202	Rust has formed on the unpainted columns. * 2/17/2014 FX 4 Pile at win 95
219	The West abutment is Galvanized metal * 2-17-2014 FX - and is unprotected from erosion at teh SW corner.
231	Rust is forming on the exposed ends of the caps.
330	Widely scattered rust spotted on the Galvanized Rail. Posts & attachment appear 'weak'.
358	Minor Crack in Deck
690	Steel stay in place forms. No visable Rusting of Metal or other problem area @ this time.
765	New material, unpainted steel beams.
919	

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	1.5	14.0	20.0	24.0	28.0	37.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		12.4	20.8	20.2	19.7	17.8	11.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Flowline	Wtr. Edge	_	Slope Ch.	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – West abutment

Picture 3 – East abutment

Picture 4 – Girders and stay in place forms

Picture 5 – Sideview looking south

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **26552** Structure No.: 60E0710N3230007 Local ID:143 3 Suff. Rating: 61.2 ND Health Index : 51.4

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 - E0170 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 116TH ST (E0710) _
9. Location: 116TH & MERIDIAN RD .7E 11. Mile Post: 0.000 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 07.78 17. Longitude: 097 14 05.39
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	7/14/2015	7/14/2017
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.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of deck = 13.0' 02/06/2009 - FL, 13.0, 11-09 * 7/12/11 FL 17.0 TOD 16' E of SW cor * 7/14/15- FL 17.2 TOD 4' E OF SW COR

AGE AND SERVICE

27. Year Built: 2001 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 3.6 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: 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): 19.9 29.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 12.0 17.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 3 10.0-19.9%below Date Rated : 6/2/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 956. 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: 39.1 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: 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: $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: 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: 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: 86
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 : Communication
-1 -1 -1
-1 -1 -1

214a. Posted Weight Limit: RN
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: 0101
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 : 19.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 15.000
246. Type of Overlay : Chipseal
246. Overlay Thickness : 0.5
246. Overlay Date : 6/2/2004
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.: **26552** Structure No.: 60E0710N3230007 Local ID:143 3

Suff. Rating: 61.2 ND

Health Index : 51.4

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX - moderate SW bank erosion. CX-"20" is difficult to read on both weight limit signs

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)	932	932	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	480	0	0 %	0	0 %	480	100 %	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)	49	49	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	49	0	0 %	49	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	79	79	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	932	0	0 %	932	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	160	0	0 %	160	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)	2,400	2,400	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 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Asphalt overlay - Gravel
107	PX-Minor surface rust. Small girders with pitting - welded together. Paint failed
202	FX-Light pitting on each pile. One steel pile each wing
219	Staining. PX-Bases are unprotected from scour. PX-Flow line is at W abutment instead of at mid-span, FX-Minor drift is at east abutment
231	FX-Surface Rust.
330	< none >
510	Asphalt overlay. Loose gravel
865	FX-Minor surface rust
890	Stay in place forms
918	Abutments and wings
919	

Picture 1 – Roadway Looking East

Picture 2 – West Weight Limit Sign

Circle # 143

Picture 3 – Sideview Looking North

Picture 4 – West Abutment

Circle # 143

Picture 5 – East Abutment

Picture 6 – Girders

Picture 7 – Bank Downstream

Picture 8 – East Weight Limit Sign

Circle # 143

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **21008** Structure No.: 60E0715N3230007 Local ID:144 3 ND

Suff. Rating: 87.5 Health Index : 41.7

IDENTIFICATION

Description:
60' 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 - E0715 - 0
6. Feature Intersected: LOST CREEK
7. Facility Carried: 128ND ST (E0715) _
9. Location: 128ND & MERIDIAN RD .7E 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 34.34 17. Longitude: 097 14 10.06
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	1/14/2015	7/14/2017
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. Rd 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: 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 - 13.1' - 03/13/2006 - FL, 13.1, 11-09 * 7/12/11 FL 16.3 TOD at SE CCR * 07/11/2013 FL 16.5 TOD AT SW COR * 7/14/15- FL 16.8 TOD AT SW COR

AGE AND SERVICE

27. Year Built: 1985 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 3.6 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): 33.9 43.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 19.9 26.0 -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 : 6/4/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,315.7 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 20.6 ft
48. Length Maximum Span: 59.0 ft 49. Structure Length: 59.8 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 20.6 ft 52. Width Out to Out: 22.0 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: $243,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $134,000 76. Lgth. of Improvment: 156.0 ft
96. Total Cost: $387,000 114. 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: 6 Equal 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: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 87
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 : Red Lead Ready
Overcoat : 0
226. Date Painted: 8501
227. Paint Coloring: Silver
233. Deck Forming: -
236. Deck Cleaning : -1
238. School Bus Rte: Desired Bus Route
240. Appr. Roadway Type: Dirt

243. Girder Spacing/Number : 32.0 / -1
244. Span Lengths :
60 -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 : 6/4/2004
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.: **21008** Structure No.: 60E0715N3230007 Local ID:144 3

Suff. Rating: 87.5 ND

Health Index : 41.7

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Cut brush from rail ends * Mark corners *

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)	1,231	0	0 %	1,231	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	450	0	0 %	150	50 %	300	50 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	26	0	0 %	0	0 %	26	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	44	0	0 %	44	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	44	0	0 %	0	0 %	44	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	120	0	0 %	120	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	120	120	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	90	0	0 %	30	33 %	60	67 %	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)	132	0	0 %	132	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. Grader scrapes. FX- Gravel-soil @ edges near rails.
107	PX-Moderate rust with minor pitting.
202	PX - Minor exfoliation & loss at bottom of all west piles. Heavy surface rust overall. 12 pile at wings
219	FX - Some minor exfoliation at lower 2 feet on west abutment. FX-Both abutments are unprotected from scour or erosion.
231	PX-Heavy rust with scaling.
330	FX-Minor deterioration.
510	Gravel and dirt overlay along rails retards deck drainage
865	PX-Moderate rust with minor scaling and pitting.
890	Stay in place forms are beginning to rust.
919	Fading
963	FX-Exfoliation noted on steel piles & steel Abut. 5% or less
968	Erosion beginning at east abutment and base west abutment. FL running against west abutment instead of under mid-span.

Picture 1 – Roadway Looking East

Picture 2 – West Abutment

Circle # 144

Picture 3 – East Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **03659** Structure No.: 60E0715N3230009 Local ID:145 3 SD

Suff. Rating: 45.2 Health Index : 28.8

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 - E0715 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 128TH ST (E0715) 128TH ST
9. Location: 128TH & MERIDIAN RD .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 29.00 17. Longitude: 097 13 58.82
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	7/14/2015	7/14/2017
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: 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.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:

FL, 12.1, 11-09 * 7/12/11 FL 14.7 TOD 5' N of SE COR * FL 14.8 TOD 5' WEST OF NE COR * * 7/14/15- FL 15.0 TOD 7' W OF NE COR

AGE AND SERVICE

27. Year Built: 1932 106. Year Reconstructed: 2003
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 3.6 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: 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): 19.9 29.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 12.0 17.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 3 10.0-19.9%below Date Rated : 8/9/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 721.2 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: 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: 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: $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: 40
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: 4 Tolerable
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: 4 Stable, needs action

200c. Temperature: 85
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 : 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: 080808
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 : -
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 : 30.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 18.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/9/2011
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.: **03659** Structure No.: 60E0715N3230009 Local ID:145 3

Suff. Rating: 45.2 SD

Health Index : 28.8

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

NOTE - Structure rehabilitated 2003 --steel columns and cap installed. Some minor scour at SE corner. Galv. steel added @ abut. CX-Needs grass cut back from weight limit signs & 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
31	1	Timber Deck	(SF)	721	0	0 %	0	0 %	721	100 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	242	0	0 %	0	0 %	242	100 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	17	0	0 %	0	0 %	17	100 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	36	0	0 %	4	11 %	0	0 %	32	89 %	0	0 %
231	1	Steel Pier Cap	(LF)	46	0	0 %	0	0 %	46	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	79	0	0 %	79	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	240	0	0 %	0	0 %	240	100 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(SF)	1,200	1,200	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	66	0	0 %	0	0 %	0	0 %	66	100 %	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 %
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	PX - Runners showing some wear. Deck about 40% covered with soil/gravel. Two holes in deck. No ends on timber deck.
107	PX-Light to moderate exfoliation on top flanges. Moderate to heavy surface rust with some scaling overall.
202	PX-Light to moderate surface rust. 3 steel pile at wing
216	PX - Several planks in west abutment decayed over entire length.
231	PX-Moderate surface rust.
330	FX - Some surface rust--recently painted by local person.
510	Planks broken and split
918	East abutment and two wings
919	FX - Some surface rust--recently painted by local person. Paint failing
963	FX - Exfoliation noted on beams. Minor
968	Erosion on banks and at east abutment and west abutment, PX-Move creek flow line away from abutments to beneath mid-span.
970	PX-two west wings missing. FX-NE wing has no protection from potential erosion or scour.

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 145

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

Picture 6 – Deck

Picture 7 – East Weight Limit Sign

Picture 8 – West Weight Limit Sign

Circle # 145

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22325** Structure No.: 60E0715N3360005 Local ID:146 3

Suff. Rating: 61.2 ND

Health Index : 59.1

IDENTIFICATION

Description:
100' 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 - E0715 - 0
6. Feature Intersected: LOST CREEK
7. Facility Carried: 122ND ST (E0715) _
9. Location: 122ND & BRUSH CRK .5E
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 41.40
17. Longitude: 097 00 28.83
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	3/30/2011	3/30/2013
FC Freq.:	Y	Y	24	**3/30/2011**	**3/30/2013**
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 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: 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:

2/17/09 - See channel profile. Water is 3' deep. * 3/30/2011 - FL TO TOD = 22.1' .*

AGE AND SERVICE

27. Year Built: 1989
106. Year Reconstructed: -4
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 1.0 mi
29. ADT: 200
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): 22.0 35.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 9.0 21.0 -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 : 7/9/2002

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 2,540.3 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: 100.0 ft
49. Structure Length: 101.5 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: $318,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $175,000
76. Lgth. of Improvment: 204.4 ft
96. Total Cost: $508,000
114. Future ADT: 320
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: 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: 49
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 : 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: 222222
b. Posted Speed Limit : 35
c. Narrow/One Lane Bridge sign : N00
d. Vertical Clearance Sign: NO
Advanced Warning Sign : NO
Min. Measured Clearance : 22
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.: 7
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: Asphalt/Bituminous

243. Girder Spacing/Number : 54.0 / -1
244. Span Lengths :
100 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 16.000
246. Type of Overlay : Chipseal
246. Overlay Thickness : 1.5
246. Overlay Date : 1/1/2000
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.: **22325** Structure No.: 60E0715N3360005 Local ID:146 3

Suff. Rating: 61.2 ND

Health Index : 59.1

Inspection Date:	3/30/2011	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 01/21/11. Neither structural defects nor ADT were found to warrant 12-month inspection, so Other Special inspections have been removed from schedule.

Load posting signs are in fair condition.

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)	2,538	2,284	90 %	254	10 %	0	0 %	0	0 %	0	0 %
113	1	Steel Stringer/Floorbeam	(LF)	540	0	0 %	540	100 %	0	0 %	0	0 %	0	0 %
120	1	Steel Truss (Pony)	(LF)	200	0	0 %	200	100 %	0	0 %	0	0 %	0	0 %
152	1	Steel Floor Beam	(LF)	150	0	0 %	150	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)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
311	1	Moveable Bearing (roller, sliding, etc.)	(EA)	2	0	0 %	2	100 %	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)	200	0	0 %	200	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	2,538	2,538	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	165	0	0 %	165	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)	60	0	0 %	60	100 %	0	0 %	0	0 %	0	0 %
918	1	Steel (Substructure) Protective Coating	(EA)	18	0	0 %	18	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX - A few small potholes forming.
113	Freckle rust and flaking paint.
120	Verticals are welded to floor beams. Rust forming at welds.
152	Moderate rust on end floor beams. Lower lateral bracing is made up of welded sucker rods that are loose.
162	Failed paint and surface rust on some gussets.
202	Rust and moderate pitting has formed at all four unpainted pile extensions.
231	FX - Needs backwall sheeting added and soil cleaned out. Paint has failed. Heavy surface rust overall. Design is holding lots of soil and will soon cause loss to begin.
311	SURFACE RUST WITH MINOR PITTING THROUGHOUT.
313	SURFACE RUST WITH MINOR PITTING THROUGHOUT.
330	Minor defects and freckle rust.
510	FX - A few small potholes forming.
515	Freckle rust and flaking paint.
659	Stay in place forms have some rusty areas.
777	Rust is forming at some stringer ends. Stringer ends are welded and bolted to floor beams.
918	FX - Needs backwall sheeting added and soil cleaned out. Paint has failed. Heavy surface rust overall. Design is holding lots of soil and will soon cause loss to begin.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	0	22.0	35.0	53.0	68.0	83.0	100.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		6.0	13.0	15.0	21.0	22.1	13.0	6.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	_	Flowline	_	Abutment	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25268** Structure No.: 60E0715N3380003 Local ID:147 1 Suff. Rating: 86.0 ND Health Index : 69.9

IDENTIFICATION

Description:
57' I-BEAM SPAN, SK80RF
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 - E0715 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 122ND ST (E0715) _
9. Location: 122ND ST& PRAIRIE RD .3E 11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 42.01 17. Longitude: 096 58 30.01
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	7/25/2015	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. 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: 7 Minor Damage
Flowline Notes:
Flowline to top of deck - 19.5' - 11/30/2007 - FL, 19-5, 10-09. * 7/22/11 FL 19.9 TOD 30' E of SW COR * FL 20.0 TOD 30' E OF SW COR * 7/23/15- FL 19.8 TOD 31' E OF SW COR

AGE AND SERVICE

27. Year Built: 1997 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 1.0 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): 40.0 60.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 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 : 6/4/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,453.5 sq. ft 33. Median: 0 No median
34. Skew: 10 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.9 ft
48. Length Maximum Span: 56.1 ft 49. Structure Length: 57.0 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: 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: $236,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $130,000 76. Lgth. of Improvment: 151.8 ft
96. Total Cost: $376,000 114. 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: 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 : 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: 9701
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 : 60.0 / -1
244. Span Lengths :
57 -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.: **25268** Structure No.: 60E0715N3380003 Local ID:147 1

Suff. Rating: 86.0 ND

Health Index : 69.9

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX-Road side brush hides rail ends & 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)	1,419	1,419	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	282	0	0 %	282	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	17	0	0 %	17	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)	115	115	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,198	0	0 %	3,198	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	60	0	0 %	60	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 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Dirt on edges of deck
107	FX-Surface rust on upper and lower flanges. Light freckle rust starting. Minor
202	FX-Heavy surface rust. 7 pile at wings
219	FX-Heavy surface rust. FX-S end of W abutment has not enough rip rap to catch water piped from SW ditch.
231	FX-Heavy surface rust.
330	< none >
515	FX-Surface rust on upper and lower flanges. Light freckle rust starting.
865	FX-Surface rust on upper and lower flanges. Light freckle rust.
890	Metal stay in place forms

Picture 1 – Sideview Looking South

Picture 2 – West Abutment

Circle # 147

Picture 3 – East Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24660** Structure No.: 60E0720N3260005 Local ID:148C 3 Suff. Rating: 73.3 ND Health Index : 35.0

IDENTIFICATION

Description:
25' 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 - E0720 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 128TH ST. (E0720) _
9. Location: 128TH ST & KARSTEN .5E 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 15.36 17. Longitude: 097 11 08.29
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.: 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 - 7.4' - 03/13/2009 -- FL, 7.4, 11-09 * 7/15/11 FL 9.1 TOD 17' E of SW COR

AGE AND SERVICE

27. Year Built: 1996 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: 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 38.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 12.0 23.0 -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 : 1/5/2005

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 670. 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: 24.2 ft 49. Structure Length: 25.0 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: 26.8 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: $152,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $84,000 76. Lgth. of Improvment: 97.9 ft
96. Total Cost: $241,000 114. 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: 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 : 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: 212121
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: 9601
227. Paint Coloring: Silver
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 : 36.0 / -1
244. Span Lengths :
25 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 16.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 1/5/2005
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.: **24660** Structure No.: 60E0720N3260005 Local ID:148C 3

Suff. Rating: 73.3 ND

Health Index : 35.0

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

Structure / Inspection Notes

* FX-Remove brush from rail ends * West weight limit sign covered with brush

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)	655	0	0 %	655	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	150	0	0 %	0	0 %	150	100 %	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)	54	54	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	54	0	0 %	0	0 %	54	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	50	50	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	201	201	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	100	0	0 %	0	0 %	100	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)	405	405	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	55	55	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-Exposed rebar center deck
107	PX-Pitting on lower flanges. -- Hvy. surf. rust. Welded together (photo)
202	PX-Heavy surface rust with scaling. 4 pile at wing. Small pile at west abutment.
219	No Notable Problems. Staining.
231	PX-Heavy surface rust.
330	< none >
510	Dirt overlay along rails retards deck drainage
865	PX-Pitting on lower flanges. -- Hvy. surf. rust.
890	FX- Stay in place forms rusty in some areas
918	PX-No Notable Problems. Abutments and wings only
919	
958	Not leaking thru

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking South

Circle # 148C

Picture 3 – West Abutment

Picture 4 – East Abutment

Circle # 148C

Picture 5 – Girders

Picture 6 – West Weight Limit Sign

Circle # 148C

Picture 7 – East Weight Limit Sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **27723** Structure No.: 60E0720N3280001 Local ID:149 3

Suff. Rating: 97.0 ND

Health Index : 69.4

IDENTIFICATION

Description:
41' 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 - E0720 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 128TH ST. 128TH ST
9. Location: 128TH ST & COTTNWD .1E
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 15.28
17. Longitude: 097 09 21.31
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	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
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: 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:

02/07/06- Flowline to deck top = 16.7' - FL, 16.7, 11-09 * 8/24/11, 7.10.13FL 17.0 TOD 13' E of SW 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): 38.0 69.0 0.0
66. Inventory Rating (H / HS / 3-3) : 27.0 36.0 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 : 6/24/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 23.0 ft
Deck Area: 1,148. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 27.4 ft
48. Length Maximum Span: 40.0 ft
49. Structure Length: 41.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 27.4 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: $230,342
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $126,688
76. Lgth. of Improvment: 45.1 ft
96. Total Cost: $365,956
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: 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: 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 : _
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: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 54.0 / -1
244. Span Lengths :
40 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 33.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 6/24/2004
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.: **27723** Structure No.: 60E0720N3280001 Local ID:149 3

Suff. Rating: 97.0 ND

Health Index : 69.4

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

Structure / Inspection Notes

* Deck controls rating *

* New [2004] 41 foot I-Beam Steel Span * Oil field activity * Brush needs 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)	1,123	1,123	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	217	0	0 %	217	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)	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)	82	0	0 %	82	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	449	449	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,683	0	0 %	0	0 %	2,683	100 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	61	87 %	9	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 %
918	1	Steel (Substructure) Protective Coating	(SF)	1,400	1,400	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	90	0	0 %	90	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	Suggest overlay to protect deck * FX- Tall grass hides deck corners
107	FX - Minor Corrosion.
202	FX - Moderate surface rust only on used pipe piles. 4 pile at wings.
219	Staining, No Notable Problems. FX - Minor debris at E abutment
231	FX - Light surface rust most areas.
330	FX - Some areas of minor deterioration. PX - Posts are only angle iron & are weak. Needs larger posts.
510	Loose gravel overlay along rails retards deck drainage
515	PX - Poor condition
865	FX - Moderate surface rust on exposed areas.
890	< none >
918	Coating on abutments and wings only
919	Coating failing
968	Erosion is beginning at center of east abutment

Picture 1 – Roadway Looking East

Picture 2 – East Abutment

Picture 3 – West Abutment

Picture 4 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01083** Structure No.: 60E0720N3440009 Local ID:150 1 Suff. Rating: 97.0 ND Health Index : 59.0

IDENTIFICATION

Description:
56' 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 - E0720 - 0
6. Feature Intersected: BIG CREEK
7. Facility Carried: 9TH ST. (E0720) _AGRA RD.
9. Location: 9TH ST\AGRA RD .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 16.59 17. Longitude: 096 51 28.91
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:
Flowline to top of deck - 20.4' - 11/29/2007. - FL, 20.5', 10-09.
FL, 20.4, 0.0 Water, 11-2011. * 10-13 FL 24.5 TOD 20' E of SW COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: 1999
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: 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): 61.2 73.4 -1.1
66. Inventory Rating (H / HS / 3-3) : 36.7 44.1 -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 : 2/27/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 1,513.1 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.5 ft
48. Length Maximum Span: 53.1 ft 49. Structure Length: 57.1 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.5 ft 52. Width Out to Out: 26.5 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: $236,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $130,000 76. Lgth. of Improvment: 151.8 ft
96. Total Cost: $376,000 114. 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: 74
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 : 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: 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: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 41.0 / -1
244. Span Lengths :
56 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 32.000
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.: **01083** Structure No.: 60E0720N3440009 Local ID:150 1

Suff. Rating: 97.0 ND

Health Index : 59.0

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 beams, 2 braces @ 1/3 points.

* FX - needs all corner markers * Widened in 1999, Deck & Abuts.. 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)	1,553	1,553	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	377	0	0 %	377	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)	36	0	0 %	36	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	13	0	0 %	13	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	0	0 %	115	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)	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)	80	0	0 %	73	90 %	7	10 %	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. Lite soil, gravel near rails holding moisture on deck.
107	FX-Moderate rust on top and bottom flanges. Some minor pitting with freckle rust overall.
202	FX-Lite to Moderate surface rust. - 1 ft. near groundline has Mod to Hvy. rust & Lite scaling.
215	FX-Large spall on west abutment at encased pile (5 each in - Lite vertical crack near center of both abuts.
219	FX-Moderate surface rust with minor scaling at ground line. - 6.5 ft. widening @ each Abut. to South.
231	FX-Lite to Moderate surface rust has formed thruj-out. Caps set upon concrete bridge seat & widened to south supported by 2 piles.
330	FX-Wide Post Spacing & 4 'Weak' posts on S.Side.
358	1 small longitudinal crack Found, small @ SW quadrant of deck.
363	FX-Beam ends in CS-4.-- Description indicates Sec. Loss. - Where flame cut, 0..5 ft. each. Minor.
515	Moderate rust on top and bottom flanges. Some minor pitting with freckle rust overall.
690	Steel Stay In Place Forms. -(FLat Steel Plate) - Surface rust thru-out.
765	FX-Moderate rust mainly on flanges. Some minor pitting with freckle rust overall. Worst @ exterme ends [0.5 ft.]
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	13.0	19.0	29.0	37.0	46.0	54.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		13.2	17.3	20.7	17.6	20.7	20.0	19.9	-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 north

Picture 3 – East abutment

Picture 4 – West abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00892** Structure No.: 60E0720N3450004 Local ID:151 1 Suff. Rating: 97.0 ND Health Index : 66.7

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 - E0720 - 0
6. Feature Intersected: ELM CREEK
7. Facility Carried: 9TH ST. (E0720) _ELM RD.
9. Location: 9TH ST\ELM RD .4E 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 16.23 17. Longitude: 096 50 56.11
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: 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 top of deck - 20.0' - 11/29/2007, - FL, 20.0', 10-09.
FL, 19.3, 0.0 water, 11-2011 * 10-13 FL 22' E of SW COR

AGE AND SERVICE

27. Year Built: 1920 106. Year Reconstructed: 1999
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: 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): 56.0 87.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 33.9 52.0 -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 : 9/17/2012

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 796.5 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: 29.1 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: 26.0 ft 52. Width Out to Out: 26.6 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: $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: 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: 7 Countermeasures

200c. Temperature: 74
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 : 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: 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: Asphalt/Bituminous

243. Girder Spacing/Number : 40.0 / -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"? 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.: **00892** Structure No.: 60E0720N3450004 Local ID:151 1

Suff. Rating: 97.0 ND

Health Index : 66.7

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

8 beams, 1 brace @ midpoint.

One large tree upstream. Channel is three feet lower than when bridge constructed.
Reconstructed 1999.

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)	795	0	0 %	795	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	161	0	0 %	161	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 %
215	1	Reinforced Conc Abutment	(LF)	36	0	0 %	36	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	16	0	0 %	16	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 %
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)	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-No notable Problem areas. --- Steel rebar embedded along CL of deck. -
107	FX-Litt to Mod.Surf. Rust with minor pitting. - Widely scattered surface exfoliation@ flanges.
202	FX-Heavy rust @ groundline @ NE pile. Lite to Mod. surface rust thru-out. 10 Pile at wings.
215	FX-Minor cracking. Angle Iron embedded @ Br.Seat. H-beam cap on both abuts. 1 Steel pile @ each end of steel caps.
219	Lite to moderate surface rust.
231	FX-Lite to moderate rust has formed on the caps.
330	Wide post spacing. - lite contact, scrapes.
358	Surface cracking, very lite & widely scattered. Minor
363	Widely scattered surface exfoliation@ flanges on girders.
690	Steel Stay In Place Forms, most with freckling & scattered surface rust areas.
765	Surface Rust with minor pitting and light scaling. - Widely Sctd. lite Exfol.@ bottom flanges.
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	9.0	15.0	22.0	29.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		15.9	17.8	18.8	19.3	18.7	-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 west

Picture 2 – Sideview looking south

Picture 3 – West abutment

Picture 4 – East abutment

Picture 5 – Soffit and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25154** Structure No.: 60E0720N3540003 Local ID:152 1

Suff. Rating: 96.9 ND

Health Index : 100.0

IDENTIFICATION

Description:
50', 70', 50' PC BEAM SPANS, 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 - E0720 - 0
6. Feature Intersected: EUCHEE CREEK(W0720)
7. Facility Carried: 9TH ST. _9 TH ST.
9. Location: 9TH ST\EUCHEE VY.3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 58 16.25
17. Longitude: 096 41 24.93
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	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
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: 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:

Flowline to top of deck - 22.5' - 11/30/2007. - FL, 22.5', 10-09 FL, 25.0, 1.0 Water, 11-2011..

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: 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):	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 : 1/1/1901

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 27.0 ft
Deck Area: 4,927.6 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: 69.9 ft
49. Structure Length: 172.9 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: 28.5 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: $3,917,245
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $1,250,000
76. Lgth. of Improvment: 200.1 ft
96. Total Cost: $5,735,642
114. Future ADT: 320
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: 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: 85
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
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.: 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"? 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.: **25154** Structure No.: 60E0720N3540003 Local ID:152 1

Suff. Rating: 96.9 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

* Good bank protection * Good riprap * Good ditches * Small amount of debris on bent #1 * Minor settlement of approach each side < 1 inch *

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)	4,638	0	0 %	4,638	100 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	572	572	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 %
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)	341	341	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)	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 %
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 Visible Problems. FX - Dirt 7 debris @ rails, bridge ends & approaches, holding moisture on Deck.
109	NVP
205	NVP, FX-SE pier drill shaft is 3' exposed.
215	No Notable problems --- [Seepage Visible @ backwalls.]
234	NVP
302	Debris filled.
310	Thin Pads, [1/2 inch]
331	Surface Defects. Widely scattered hairline vertical cracking. 1.5 ft. spall @ top of North rail, N.Face.
358	Widely scattered Lite Transverse & Map surface cracking.
659	NVP, conventional forming.
719	No Visible Problems.
916	No Visible Problems.
965	Lite debris on SE. Col.& on E.cap, S.End. Very minor.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.5	16.0	50.5	56.0	70.0	85.0	105.0	120.5	125.0	155.0	169.0	-1.0	-1.0	-1.0	-1.0
Profile		9.4	11.5	23.2	24.0	25.0	24.7	24.5	23.5	22.6	12.3	7.3	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	Pier	Wtr. Edge	Flowline	Flowline	_	Pier	_	_	Abutment	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – Sideview looking north

Picture 3 – West abutment

Picture 4 – Base east pier

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23515** Structure No.: 60E0730N3250009 Local ID:153 3

Suff. Rating: 86.0 ND

Health Index : 42.0

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 - E0730 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 140TH ST. (E0730) _E 0730
9. Location: 140TH ST&HACKELMAN .9E
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 22.85
17. Longitude: 097 11 49.00
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: 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: 1993
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 6.0 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

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 728. 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: 28.0 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: 25.6 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

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

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 - 11.2' - 11-09 * FL 12.1 TOD 18' E of SW COR * 7.10.13 fl 12.0 tod 18' e of sw cor * 7/20/15- FL 11.8 TOD 17' E OF SW 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): 40.0 68.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 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 : 6/7/2004

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: 40
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: 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.: Satisfactory
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: Not on Desired or Current
240. Appr. Roadway Type: Dirt

243. Girder Spacing/Number : 44.0 / -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 : 0.5
246. Overlay Date : 6/7/2004
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.: **23515** Structure No.: 60E0730N3250009 Local ID:153 3

Suff. Rating: 86.0 ND

Health Index : 42.0

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)	716	0	0 %	716	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	144	0	0 %	144	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 %	52	100 %	0	0 %	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)	56	0	0 %	56	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	430	430	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,540	0	0 %	0	0 %	1,540	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)	62	0	0 %	0	0 %	62	100 %	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. * FX- Tall grass hides part of deck corner markers
107	FX - Some light to heavy pitting on top and bottom flanges. Paint has failed in all areas.
202	PX - Some minor exfoliation w/light to moderate pitting on all piles. 8 steel piles at wings
219	FX - Surface Rust.
231	FX - Moderate surface rust w/scaling.
330	Surface rust
510	FX- Dirt overlay along rails retards deck drainage
515	PX - Some light to heavy pitting on top and bottom flanges. Thin paint failing
865	Some light to heavy pitting on top and bottom of flanges.
890	FX - some rusting
919	PX - Paint failing
963	FX - Exfoliation noted on Steel Piles. 5% loss on one pile east abutment

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 153

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **21645** Structure No.: 60E0730N3350009 Local ID:154 3

Suff. Rating: 80.4 ND

Health Index : 93.8

IDENTIFICATION

Description:
3-43' PAN GIRDER SPANS, 5K 60 LF

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 - 6024C - 0
6. Feature Intersected: DUGOUT CREEK
7. Facility Carried: 140TH ST. (E0730) 140TH ST
9. Location: 140TH ST & JARDOT RD .9E
11. Mile Post: 7.798 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.40
17. Longitude: 097 01 00.16
98. Border Br. Code: Unknown (P) % Resp. : 0
99. Border Br. #: Unknown

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: 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

AGE AND SERVICE

27. Year Built: 1987
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 mi
29. ADT: 294
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: 3,623.1 sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.9 ft
48. Length Maximum Span: 43.0 ft
49. Structure Length: 129.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 25.9 ft
52. Width Out to Out: 27.9 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	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

CONDITION

58. Deck: 7 Good
59. Super.: 7 Good
60. Sub.: 5 Fair
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:

2/1/01 - Flowline to deck top = 16.1' * 2/11/2003 - Flowline to deck top = 14.8' * FL, 18.6 to top rail, 10-09. * 7/8/11 FL 18.5 TOR 82' E of NW COR * 07/05/2013 FL 18.3 TOR 79' E OF NW COR * 7/24/15- FL 18.5 TOR 82' E OF SW COR

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 : 4/3/2001

PROPOSED IMPROVEMENTS

94. Bridge Cost: $359,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $197,000
76. Lgth. of Improvment: 174.1 ft
96. Total Cost: $584,000
114. Future ADT: 470
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: 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: 5 Stable w/in footing

200c. Temperature: 87
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.: 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 : 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 : -
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 :
43 -1 -1
43 -1 -1
43 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 2.0
246. Overlay Date : 4/3/2001
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.: **21645** Structure No.: 60E0730N3350009 Local ID:154 3

Suff. Rating: 80.4 ND

Health Index : 93.8

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

Structure / Inspection Notes

* Severe reoccuring drift is a Problem. * FX - Remove large drift stacked on piers. * PX - Fill and protect banks at both abutments from erosion at exposed 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)	3,364	3,028	90 %	336	10 %	0	0 %	0	0 %	0	0 %
110	1	Reinforced Conc Open Girder/Beam	(LF)	1,040	1,030	99 %	10	1 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	13	0	0 %	13	100 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	62	62	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	259	246	95 %	13	5 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	3,305	3,305	100 %	0	0 %	0	0 %	0	0 %	0	0 %
818	1	Integral Abutment	(LF)	62	59	95 %	3	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 %
963	1	Steel Section Loss	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
965	1	Debris	(EA)	1	0	0 %	0	0 %	1	100 %	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	FX-Some minor wear in wheel paths with some minor cracking noted Covered over with asph. FX- Light gravel overlay along rails retards deck drainage
110	FX-Some superficial chipping on a few outer girders from drift removal operations. Few minor cracks with efflorescence.
202	PX - Rust has formed. 3 exposed at east abutment.
234	No defects noted.
331	FX-Some light radial cracks. Small gouged area near centerline on south. A larger scrape near west end on south. Minor
510	Some minor wear in wheel paths with some minor cracking noted in the asphalt overlay.
818	Surface defects. Fill and protect banks at both ends.
859	FX-Some hairline cracks in tops of most pans. Some Light diagonal cracking near bent #1 and #2 in center span have stains and efflorescence.
963	FX-Loss to piles not significant . Very minor
965	PX - Extreme-Severe drift south side causing severe erosion to west span.
966	PX - Erosion at east abutment exposing 3 steel pile. Pile setting in concrete
968	Erosion at east abutment exposing 3 steel pile

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	2.0	14.0	43.0	65.0	86.0	127.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.1	14.8	17.6	18.5	14.5	5.8	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Slope Ch.	Pier	Flowline	Pier	Abutment	_	_	_	_	_	_	_	_	_

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking Southeast

Circle # 154

Picture 3 – West Abutment

Picture 4 – Debris East Pier

Picture 5 – East Abutment

Picture 6 – Steel Pile

Picture 7 – Base East Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22998** Structure No.: 60E0730N3390005 Local ID:156 3 Suff. Rating: 82.0 ND Health Index : 66.8

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 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0730 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 140TH ST (E0730) E0730_
9. Location: 140TH ST & UNION RD .5E 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.91 17. Longitude: 096 57 08.38
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	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. Rd 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: 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 - 23.5' - 03/07/2006 - FL, 23.5, 10-09. * 7/8/11 FL 23.4 TOD 28' E of SW COR *7/23/15- FL 23.6 TOD 27' E OF SW 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: 125 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): 47.9 65.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 29.0 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 : 8/9/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 1,300. 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: 44.0 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: 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: $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: 200
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: 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 : 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: -
236. Deck Cleaning : -1
238. School Bus Rte: Not on Desired or Current
240. Appr. Roadway Type: Asphalt/Bituminous

243. Girder Spacing/Number : 50.0 / -1
244. Span Lengths :
50 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 6.0
246. Overlay Date : 8/9/2011
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.: **22998** Structure No.: 60E0730N3390005 Local ID:156 3

Suff. Rating: 82.0 ND

Health Index : 66.8

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Deck Controls Rating *

Heavy bank erosion in most areas. Upstream (Photo) *

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)	1,250	0	0 %	1,250	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	280	0	0 %	280	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	0	0	0 %	0	100 %	0	0 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	40	0	0 %	37	92 %	3	8 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	12	0	0 %	12	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)	100	0	0 %	90	90 %	0	0 %	10	10 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,250	1,250	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,465	0	0 %	0	0 %	0	0 %	3,465	100 %	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)	110	0	0 %	110	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX- Six inches of asphalt over deck.
107	FX - Rust on top and bottom flanges. Paint failed
202	PX - Rust formed or forming. 9 steel piles at wings
215	FX - Moderate spall on east near top at north end. Same
219	FX - Rust forming or formed.
231	FX - Rust forming or fromed.
330	FX - 12 foot section on SE loose w/poorly matched joint. Rail low w/moderate rust on posts. Impact at NW corner (photo).
510	Six inches of asphalt over deck.
515	PX - Rust on top and bottom flanges. Paint failed
865	FX - Rust on top and bottom flanges.
890	FX- Beginning to rust
919	FX- Failing

Picture 1 – Roadway Looking East

Picture 2 – Rail Northwest Corner

Circle # 156

Picture 3 – Sideview Looking North

Picture 4 – East Abutment

Picture 5 – West Abutment

Picture 6 – Girders

Circle # 156

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **20997** Structure No.: 60E0730N3390009 Local ID:157 3 Suff. Rating: 61.9 SD Health Index : 67.2

IDENTIFICATION

Description:
4'- 51'- 4' CONT. 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 - 6024C - 0
6. Feature Intersected: SAND CREEK
7. Facility Carried: 140TH ST. (E0730) _
9. Location: 140TH ST & UNION RD .9E 11. Mile Post: 11.897 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.80 17. Longitude: 096 56 48.73
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	7/24/2015	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 Continuous Stringer/Girder
44. Approach Span Material and Design Type
Steel Continuous 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: 6 Bituminous
108B. Membrane: 0 None
108C. Deck Protection: None

CONDITION

58. Deck: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 7 Minor Damage
Flowline Notes:
Flowline to top of deck - 21.6' - 03/07/2006 - FL, 21.5', 10-09. * 2011,2013 FL 20.0 TOD 24' E of SW 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: 200 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): 51.0 66.0 -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 : 8/6/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 1,415.9 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: 51.0 ft 49. Structure Length: 59.0 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: $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: 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: 4 Minimum Tolerable 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: 7 Countermeasures

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: Other Rails Including Flexbeam
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 : 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 : 40.0 / -1
244. Span Lengths :
59 -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 : 8/6/2011
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.: **20997** Structure No.: 60E0730N3390009 Local ID:157 3

Suff. Rating: 61.9 SD

Health Index : 67.2

Inspection Date:	7/25/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

PIERS & CAPS ADDED AT THE ABUTMENTS RESULTS IN 4' CANTILEVER SPANS AT EACH END.
* Deck Controls Rating *

* Old Masonry abutments have steel piles just in front of masonry. See Photos *

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)	1,386	1,247	90 %	139	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	392	0	0 %	392	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	16	0	0 %	16	100 %	0	0 %	0	0 %	0	0 %
217	1	Masonry Abutment	(LF)	48	0	0 %	18	38 %	30	62 %	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)	118	0	0 %	118	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,386	1,386	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,504	0	0 %	0	0 %	0	0 %	3,504	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)	129	0	0 %	0	0 %	129	100 %	0	0 %	0	0 %
970	1	Wing	(EA)	4	0	0 %	4	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	4 inches of asphalt over.
107	FX - Rust top and bottom flanges.
202	Rusty. Pitting at base
217	PX - Areas of heavy crumbling each abutment at top and at north end of east abutment. Patched w/steel sheeting to retain fill. Both stone abutments have stone movement.
231	FX - Heavy surface rust overall.
330	FX- Rusty. Pitting at base
510	4 inches of asphalt over.
515	PX - Paint failed
865	FX - Rust top and bottom flanges.
890	FX- Rusty
919	FX- Failing
970	FX - Wings breaking away.

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking North

Circle # 157

Picture 3 – East Abutment

Picture 4 – West Abutment

Picture 5 – Girders

Picture 6 – North Side East Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **05190** Structure No.: 60E0730N3410009 Local ID:157A 1 Suff. Rating: 95.0 ND Health Index : 81.0

IDENTIFICATION

Description:
2-10' x 9' x 21' RCB
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 - 6024C - 0
6. Feature Intersected: BRUSH CREEK
7. Facility Carried: 140TH ST. (E0730) _
9. Location: 140TH ST\ROSE RD .9E
11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 20.92
17. Longitude: 096 54 37.85
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: 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 Culvert
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: 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: 6 Bank Slumping
Flowline Notes:
R.C.B. -- 9 ft. clear height.

AGE AND SERVICE

27. Year Built: 1937
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: 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): 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 : 1/1/1901

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: . sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 19.0 ft
48. Length Maximum Span: 9.8 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: 19.0 ft
52. Width Out to Out: 22.5 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: $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: 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: 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: 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: Concrete Parapet - 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 : 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: 01
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 :
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"? 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.: 19.0
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.: **05190** Structure No.: 60E0730N3410009 Local ID:157A 1

Suff. Rating: 95.0 ND

Health Index : 81.0

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

RCB

FX - 3 ft. of silt in W.Bbl., 1 ft. in most of East Bbl.

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)	46	29	63 %	7	15 %	10	22 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	38	30	79 %	8	21 %	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
241	FX-Spalls in both exterior walls with reinforcing exposed. Scattered Delam., Hvy. Surface Scaling.
331	Surface Defects, Scrapes, Sm.Spalls, Delams. etc.
970	The NW wing is cracked away with 1/2 inch separation. -- Crack @ Joint with Bbl. & 1 ft. into Bbl., Not serious at this time.

Picture 1 – Roadway looking west

Picture 2 – Sideview looking north

Picture 3 – West wall

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **00498** Structure No.: 60E0730N3420003 Local ID:158 1

Suff. Rating: 80.2 ND

Health Index : 59.0

IDENTIFICATION

Description:
50' 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 - 6024C - 0
6. Feature Intersected: BRUSH CREEK
7. Facility Carried: 140TH ST. 140TH ST
9. Location: 140TH ST\RIPLEY RD .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 21.00
17. Longitude: 096 54 24.00
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.: 7 Good
60. Sub.: 7 Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 6 Bank Slumping

Flowline Notes:

1/30/01 - Flowline to deck top = 16.4' * 1/3/2003 - Flowline to deck top = 17.4' sats channel profile
FL, 17.0', 10-09. - FL, 16.8, 0.2 Water, 11-2011. FL 16.9 TOD 25' E of SW COR

AGE AND SERVICE

27. Year Built: 1917
106. Year Reconstructed: 1992
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 %: 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 39.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 18.0 23.0 -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 : 11/24/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 1,297.4 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: 46.9 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: 24.8 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: $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: 280
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: 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: 76
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 : 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 : 50.0 / -1
244. Span Lengths :
50 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 27.000
246. Type of Overlay : AC Over
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?: 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.: **00498** Structure No.: 60E0730N3420003 Local ID:158 1

Suff. Rating: 80.2 ND

Health Index : 59.0

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

7 BEAMS.

FX- Needs corner markers. FX- Needs soil cleaned from deck and 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)	1,237	1,114	90 %	123	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	280	0	0 %	280	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 %
215	1	Reinforced Conc Abutment	(LF)	14	0	0 %	14	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	13	0	0 %	13	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)	98	0	0 %	98	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 %
510	1	Wearing Surfaces	(SF)	650	0	0 %	650	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	0	0 %	63	90 %	7	10 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %

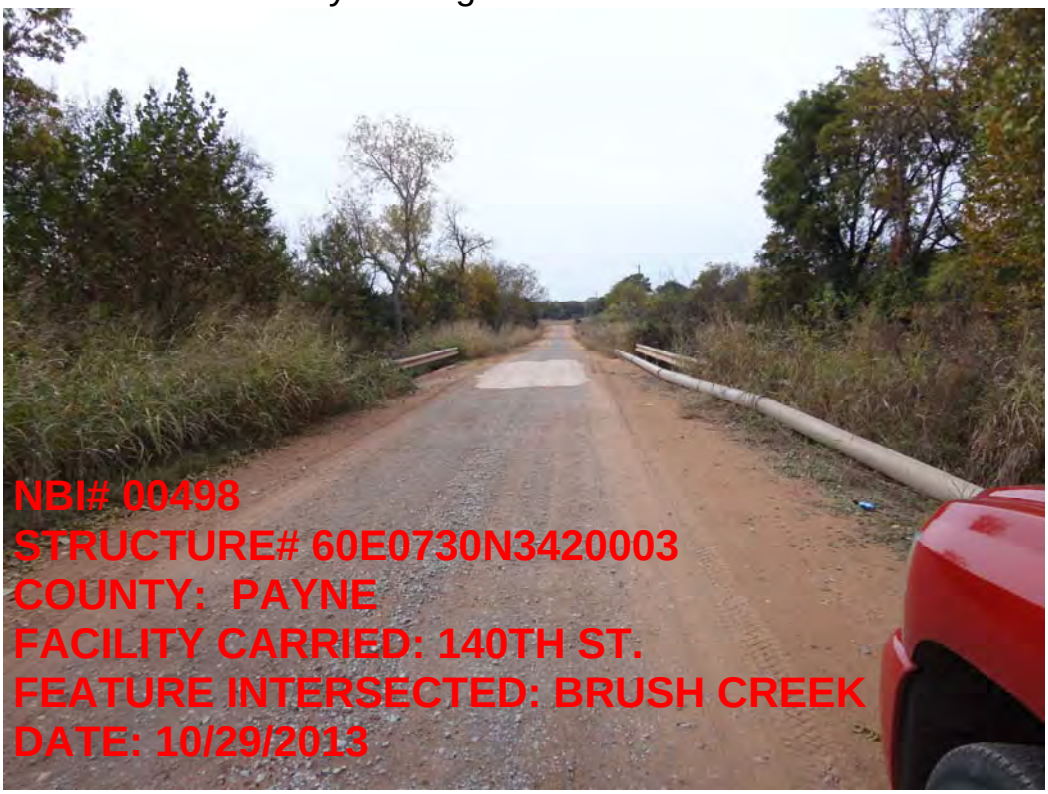
Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Minor wear and scaling. Deck is about 80% covered with soil/aggregate up to 2 in. thick. -- FX - Soil & gravel on deck near rails holding moisture on deck. Deck is 50% covered 10-29-13
107	FX-Light to moderate pitting on bottom of 2 girders. Heavy surface rust with scaling overall. - 6 of 7 beams are unpainted.
202	FX-Moderate surface rust only. 4 have some scaling @ base of pile.
215	FX-Old abutments have light to moderate scaling overall. Good condition overall.
219	FX-Mod to Heavy surface rust with some lite scaling @ ground line.
231	FX-Lite to Moderate surface rust has formed overall.
330	FX-Some minor corrosion. Minor vehicular damage. Small post.
358	Lite to moderate transverse crack on deck, Partially Covered with soil overlay.
363	Lite Sec.Loss on girders. 90% condition. Mostly Lite-Mod. Pitting @ Flanges.
510	Minor wear and scaling. Deck is about 50% covered with soil/aggregate up to 2 in. thick. -- FX - Soil & gravel on deck near rails holding moisture on deck.
690	Steel SIP forms in good condition. Freckling & some surface Rust.
765	Light to moderate pitting on bottom of 2 girders. Mod. to Heavy surface rust with scaling overall. 6 of 7 beams are unpainted.
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	2.0	9.0	15.0	21.0	35.0	40.0	48.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.1	14.8	15.8	16.8	16.7	15.2	10.9	-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 – West abutment

Picture 4 – East abutment

Picture 5 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **02096** Structure No.: 60E0730N3450001 Local ID:160 1 Suff. Rating: 47.2 SD Health Index : 59.0

IDENTIFICATION

Description:
2-37' 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 - E0730 - 0
6. Feature Intersected: BIG CREEK
7. Facility Carried: ESECO (E0730) _ESECO RD.
9. Location: ESECO\ELM RD .1E 11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.80 17. Longitude: 096 51 14.25
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	10/29/2013	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: 2 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.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 6 Bank Slumping
Flowline Notes:
Flowline to top of curb - 20.4' - 11/29/2007. FL, 20.5, 0.0 water,
11-2011. 10-13 FL 41' E of SW COR

AGE AND SERVICE

27. Year Built: 1928 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: 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): 21.4 31.3 -1.1
66. Inventory Rating (H / HS / 3-3) : 12.8 18.7 -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: 1,556.1 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: 37.1 ft 49. Structure Length: 74.1 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: 21.0 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: $271,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $149,000 76. Lgth. of Improvment: 174.4 ft
96. Total Cost: $433,000 114. 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: 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: 4 Stable, needs action

200c. Temperature: 70
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: 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: 19
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 : 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 / 5
244. Span Lengths :
37 -1 -1
37 -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"? 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.: **02096** Structure No.: 60E0730N3450001 Local ID:160 1

Suff. Rating: 47.2 SD

Health Index : 59.0

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	W.Cagle
		Agency :	

Structure / Inspection Notes

5 Beams.

PX - scour to 3 ft. depth Exposing Pier Footings, Needs Attn.ASAP. Suggest Grouted rip-rap or Concrete repairs around footings.

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)	1,333	0	0 %	1,200	90 %	133	10 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	269	0	0 %	269	100 %	0	0 %	0	0 %	0	0 %
205	1	Reinforced Conc Column or Pile Extension	(EA)	2	0	0 %	1	50 %	1	50 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	43	41	95 %	2	5 %	0	0 %	0	0 %	0	0 %
234	1	Reinforced Conc Cap	(LF)	20	20	100 %	0	0 %	0	0 %	0	0 %	0	0 %
301	1	Pourable Joint Seal	(LF)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
311	1	Moveable Bearing (roller, sliding, etc.)	(EA)	10	7	70 %	3	30 %	0	0 %	0	0 %	0	0 %
313	1	Fixed Bearing	(EA)	10	0	0 %	10	100 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	148	121	82 %	9	6 %	9	6 %	9	6 %	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 %
515	1	Steel (Superstructure) Protective Coating	(EA)	1	0	0 %	0	0 %	1	100 %	0	0 %	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)	100	0	0 %	100	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Many Lite Transverse cracks. Reinf. exposed. -- FX - Deck Drains blocked retaining water on deck.
107	FX-Scattered Light-Mod. rust spots, Moderate Freckling with minor pitting on top and bottom flanges.(All) - [Black Paint].
205	FX-Moderate honeycombing @ South Column footing. PX - Footings Exposed. Needs Attn. --- Grouted Rip-rap or Concrete Reapirs Suggested. -- South footing to 3 ft. depth exposure.
215	No notable problems. - Surface Defects. Minor.
234	NO notable Problems. Surface Defects.
301	FX-Seepage Below. --- Sealable Deck Joint @ Pier.
311	Rust & Pitting on Bearings Surface, mostly good. - Flat Plates, 1/2 inch thick.
313	Moderate to surface rust & Lite-Mod.Pitting on bearings Surface. Some loss to outer abutment plates (sliding plate). Flat plates, 1/2 inch thick.
331	Top rail gone on 1 section on south. Some minor chipping, surface spalling on a posts. Surface Defects.
358	Transverse cracks with seepage.-- Reinforcing exposed, Lite.
361	PX - Exposing pier footings. North footing exposed to 1.5 ft, south to 3 ft. - Suggest Grouted Rip-rap or concrete repairs around both footings.
515	Scattered Light-Mod. rust spots, Moderate Freckling with minor pitting on top and bottom flanges.(All) - [Black Paint].
659	FX-Several small spalls under curbs. One transverse spall near mid-span of span 2, seepage from above.
765	FX-Scattered Light rust spots, Moderate Freckling, with minor pitting on top & bottom flanges. [Black Paint].

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	3.0	11.0	16.0	32.0	37.0	41.0	49.0	60.0	71.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		11.5	14.3	16.7	20.2	20.5	20.5	19.7	16.0	9.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	_	_	Slope Ch.	Pier	Flowline	_	Slope Ch.	Abutment	_	_	_	_	_	_

Picture 1 – Roadway looking east

Picture 2 – West weight limit sign

Picture 3 – Sideview looking south

Picture 4 – East abutment

Picture 5 – West abutment

Picture 6 – Base pier

Picture 7 – Girders

Picture 8 – Concrete cracking

Picture 9 – Seal

Picture 10 – East weight limit sign

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **24137** Structure No.: 60E0730N3510009 Local ID:161 1 Suff. Rating: 61.5 ND Health Index : 70.8

IDENTIFICATION

Description:
100' 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 - E0730 - 0
6. Feature Intersected: COTTONWOOD CREEK
7. Facility Carried: ESECO _
9. Location: ESECO\LINWOOD RD .9E 11. Mile Post: 0.900 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.49 17. Longitude: 096 44 05.70
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	3/29/2011	3/29/2013
FC Freq.:	Y	Y	24	**3/29/2011**	**3/29/2013**
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 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: 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 - 18.0' - 03/10/2006. *3/29/2011 - FL TO TOD 17.7' .*

AGE AND SERVICE

27. Year Built: 1996 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): 19.9 36.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 8.0 14.0 -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 : 3/19/1996

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 24.0 ft
Deck Area: 2,464.9 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.6 ft
48. Length Maximum Span: 100.1 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: 24.6 ft 52. Width Out to Out: 24.6 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: $318,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $175,000 76. Lgth. of Improvment: 204.4 ft
96. Total Cost: $508,000 114. 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: 4 Minimum 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: 46
200d. Weather: CLOUDY
201. Structural Steel ASTM Desig.: A588 -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 : 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 : 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: Current and Desired Route
240. Appr. Roadway Type: Asphalt/Bituminous

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"? 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 : 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.: **24137** Structure No.: 60E0730N3510009 Local ID:161 1

Suff. Rating: 61.5 ND

Health Index : 70.8

Inspection Date:	3/29/2011	Reported By:	GWILSON
Invoice No.:	D2011	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

Note: Other Special inspection only (exclusive of fracture critical or elemental inspections) was performed on 01/21/11. 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
12	1	Reinforced Concrete Deck	(SF)	2,465	0	0 %	2,465	100 %	0	0 %	0	0 %	0	0 %
113	1	Steel Stringer/Floorbeam	(LF)	351	0	0 %	351	100 %	0	0 %	0	0 %	0	0 %
120	1	Steel Truss (Pony)	(LF)	200	0	0 %	200	100 %	0	0 %	0	0 %	0	0 %
152	1	Steel Floor Beam	(LF)	144	0	0 %	144	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)	4	0	0 %	0	0 %	4	100 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	49	0	0 %	34	70 %	15	30 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	49	0	0 %	0	0 %	49	100 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	200	105	53 %	95	48 %	0	0 %	0	0 %	0	0 %
356	1	Steel Cracking/Fatigue	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
358	1	Concrete Cracking	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(EA)	107	0	0 %	107	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 %
777	1	Steel Stringer End (5 Ft.)	(LF)	49	0	0 %	49	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	Transverse cracking and some asphalt extends onto both ends (minor).
113	FX - Some rusting areas.
120	FX - Freckled rust and some exposed metal.
152	Areas at stringer welds are rusty. Rust on top flanges.
162	Some surface rust intermittent throughout.
202	MINOR RUST.
219	FX - Heavy surface rust and trapped water causing minor section loss.
231	FX - Some section loss and exfoliation due to trapped water and sediment.
330	Rails have areas that need to be repainted.
356	FX - Small cracks noted at each coped-out area on floor beam at top near vertical connection. If cracks continue to grow, holes should be drilled at ends to stop further propagation.
358	Several light-to-moderate transverse cracks in each panel.
515	FX - Some rusting areas.
659	Stay-in-place forms. Overall in good condition.
777	FX - Some light surface rust on outer stringers and a few inner areas. A few need to be repositioned to contact deck. Also several connection angles are not tight and have large welds. (1) Weld cracking

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	0	0	14.0	23.0	40.0	60.0	100.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		10.0	13.0	17.7	17.5	11.0	9.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	_	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01006** Structure No.: 60E0730N3540004 Local ID:162 1 Suff. Rating: 19.8 SD Health Index : 0.0

IDENTIFICATION

Description:
50' PONY TRUSS SPAN, TEMPORARY LOW WATER CROSSING IN PLACE.

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 - E0730 - 0
6. Feature Intersected: CREEK
7. Facility Carried: ESECO
9. Location: ESECO\EUCHEE VY.4E
11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 24.12
17. Longitude: 096 41 17.96
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	3/22/2010	3/22/2012
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 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: 8 Wood or Timber
108A. Wearing Surface: 7 Wood or Timber
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: 6 Bank Slumping
Flowline Notes:

AGE AND SERVICE

27. Year Built: 1920
106. Year Reconstructed: Unknown
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 99.0 mi
29. ADT: 24
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: 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): 15.0 ft
Deck Area: 785.8 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 15.4 ft
48. Length Maximum Span: 47.9 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: 15.4 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: $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: 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: 7 Above Min Criteria
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 3 Intolerable - Correct
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 : 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 : 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: Not on Desired or Current
240. Appr. Roadway Type: Dirt

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
50 -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 : 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.: **01006** Structure No.: 60E0730N3540004 Local ID:162 1

Suff. Rating: 19.8 SD

Health Index : 0.0

Inspection Date:	3/22/2010	Reported By:	Pontis
Invoice No.:	-1	Inspected With:	-1
		Agency :	

Structure / Inspection Notes

* Temporary Low Water Crossing *

3/22/10 Jonathan Arps comments - Bridge has been replaced by a low water crossing in poor condition. Structure is unapproachable from the west. Dead End sign placed at east approach. Low water crossing services single field entrance immediately west of structure.

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)	788	0	0 %	394	50 %	394	50 %	0	0 %	0	0 %
111	1	Timber Open Girder/Beam	(LF)	200	0	0 %	0	0 %	0	0 %	200	100 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	8	0	0 %	0	0 %	0	0 %	8	100 %	0	0 %
216	1	Timber Abutment	(LF)	33	0	0 %	0	0 %	0	0 %	33	100 %	0	0 %
235	1	Timber Cap	(LF)	33	0	0 %	0	0 %	0	0 %	33	100 %	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	< none >
111	< none >
206	< none >
216	< none >
235	< none >
659	< none >

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **01551** Structure No.: 60E0730N3540006 Local ID:163 1 Suff. Rating: 27.9 SD Health Index : 50.3

IDENTIFICATION

Description:
41' 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 - E0730 - 0
6. Feature Intersected: SAND CREEK
7. Facility Carried: ESECO ESECO
9. Location: ESECO\EUCHEE VY.6E 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 57 23.84 17. Longitude: 096 41 02.20
98. Border Br. Code: Unknown (P) % Resp. : 0 99. Border Br. #: Unknown

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		N	24	3/30/2011	3/30/2013
FC Freq.:	Y	N	24	**3/30/2011**	**3/30/2013**
UW Freq.:	N	N	NA	**NA**	**NA**
OS Freq.:	Y	Y	24	**3/13/2012**	**3/13/2014**

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: 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 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.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
1/30/01 - Flowline to deck top = 19.6' (was 17.6') * 12/17/2006- Flowline to deck top = 18.5' poor channel profile * 2/4/03 - Flowline to deck top = 18.9' * 4/29/04 - Flowline to deck top = 19.0' 2/5/09 - See channel profile * 3-30-2011 - FL TO TOD = 18.8 ' *

AGE AND SERVICE

27. Year Built: 1925 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 99.0 mi
29. ADT: 24 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): 4.0 8.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 3.0 6.0 -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 : 6/14/2002

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 721.2 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: 36.1 ft 49. Structure Length: 41.0 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.	-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: $198,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $109,000 76. Lgth. of Improvment: 127.4 ft
96. Total Cost: $315,000 114. Future ADT: 38
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: 85
200d. Weather: CLEAR
201. Structural Steel ASTM Desig.: A588 -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: 030303
b. Posted Speed Limit : NR
c. Narrow/One Lane Bridge sign : N00
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 : -
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 :
41 -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 : 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.: **01551** Structure No.: 60E0730N3540006 Local ID:163 1

Suff. Rating: 27.9 SD

Health Index : 50.3

Inspection Date:	3/13/2012	Reported By:	GWILSON
Invoice No.:	10055-04	Inspected With:	N. Harris
		Agency :	

Structure / Inspection Notes

O.S. inspection should monitor scour conditions at west abutment. 1-21-2011, approx. 3' of exposed footing. * 3/13/2012 - Other special insepction performed, no apparent change since last inspection. *

Additional Elements: < none >

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	-1.0	0	20.0	31.0	41.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		18.0	18.8	18.0	14.5	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Flowline	Flowline	Flowline	Flowline	_	_	_	_	_	_	_	_	_	_	_

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28195** Structure No.: 60E0735N3290007 Local ID:164 3

Suff. Rating: 96.0 ND

Health Index : 69.1

IDENTIFICATION

Description:
49' STEEL I-BM, STEEL PILES & ABUTMENT, CIP CONC. DECK W/ SIP FORMS

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 - E0735 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 145TH ST. (N3290) 145TH ST.
9. Location: .7E 145TH ST./RANGE RD.
11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 57.48
17. Longitude: 097 07 43.92
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	7/24/2015	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: 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: 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 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: 7 Minor Damage

Flowline Notes:
7.5.13 fl 16.6 tod 16' e of sw cor *7/24/15- FL 16.8 TOD 14' E OF SE COR

AGE AND SERVICE

27. Year Built: 2004
106. Year Reconstructed: Unknown
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 3.0 mi
29. ADT: 200
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):	46.9	60.9	0.0
66. Inventory Rating (H / HS / 3-3) :	28.0	37.0	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 : 8/17/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 1,386.7 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 27.6 ft
48. Length Maximum Span: 49.0 ft
49. Structure Length: 49.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 27.6 ft
52. Width Out to Out: 28.3 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: $196,038
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $294,057
76. Lgth. of Improvment: 140.0 ft
96. Total Cost: $563,609
114. Future ADT: 320
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: 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: 5 Above Tolerable
69. Underclearance, Vertical and Horizontal: N Not applicable (NBI)
71. Waterway Adequacy: 6 Equal Minimum
72. Approach Alignment: 7 Above Min Criteria
113. Scour Critical: 7 Countermeasures

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 : 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 : _
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 Bus 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 : 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?: _
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.: **28195** Structure No.: 60E0735N3290007 Local ID:164 3

Suff. Rating: 96.0 ND

Health Index : 69.1

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

Structure / Inspection Notes

FX-Needs soil cleaned from deck.

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)	980	980	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	273	0	0 %	273	100 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	15	0	0 %	15	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	59	59	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	59	0	0 %	59	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	98	98	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	980	980	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,396	0	0 %	3,396	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 %
918	1	Steel (Substructure) Protective Coating	(SF)	1,260	1,260	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	108	108	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	Minimum surface wear. Deck 100% covered with soil
107	FX- Water stands at north half of west abutment. South half of west abutment and all of east abutment have no protection from potential scour or erosion
202	FX - Some light surface rust. No section loss. 5 pile at wings.
219	FX- Water stands at north half of west abutment. South half of west abutment and all of east abutment have no protection from potential scour or erosion
231	FX - Surface rust overall.
330	Used railing with some rust spots. In good condition. Angle iron used for posts.
510	Minimum surface wear. Deck 100% covered with soil 1" thick
515	FX - Occasional rust spots on upper flange.
865	FX - Occasional rust spots on upper flange.
890	FX - areas of rust
918	Coating on abutments and wings only
919	
968	Downstream west bank is slumping 16' of neighbors private property

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking South

Circle # 164

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

Picture 6 – Bank Downstream

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25585** Structure No.: 60E0735N3300005 Local ID:164A 3

Suff. Rating: 85.0 ND

Health Index : 66.9

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 3

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0735 - 0
6. Feature Intersected: CREEK
7. Facility Carried: 145TH ST. (E0735) _
9. Location: 145TH& CNTRY CLB LN .5E
11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 57.79
17. Longitude: 097 06 54.20
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: 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:

Flwoline to top of deck - 15.0' - 03/07/2006 - FL, 15.0', 11-09. * 7/8/11 FL 15.8 TOD 7' E of SW COR

AGE AND SERVICE

27. Year Built: 1998
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 1.9 mi
29. ADT: 125
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 69.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 23.0 41.0 -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 : 8/10/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 583. 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: 21.1 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: 25.9 ft
52. Width Out to Out: 26.5 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: $494,615
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $561,000
76. Lgth. of Improvment: 75.1 ft
96. Total Cost: $1,078,000
114. Future ADT: 200
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: 7 Countermeasures

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 : 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.: 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 : 51.0 / -1
244. Span Lengths :
22 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 3.5
246. Overlay Date : 8/10/2011
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?: _
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.: **25585** Structure No.: 60E0735N3300005 Local ID:164A 3

Suff. Rating: 85.0 ND

Health Index : 66.9

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

Structure / Inspection Notes

FX - Trees in channel on south side, removE * Section Loss, Lt-mod. exfol. on beam ends. * Mark corners

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)	569	512	90 %	57	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	84	0	0 %	59	70 %	25	30 %	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)	54	0	0 %	54	100 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	54	0	0 %	54	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	44	0	0 %	44	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	569	569	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	49	70 %	18	25 %	4	5 %	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)	48	0	0 %	48	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 - 3 to 4 inches of gravel on deck and asphalt
107	PX - Rust with light scaling on beams 2,4 & 5. Bottom flange.
202	FX - Heavy surface rust only. 12 pile at wings
219	FX - Heavy Surface rust all areas.
231	FX - Moderate surface rust overall.
330	FX - North side and south side too low
510	Minor cracks at approaches
865	PX - Light to moderate exfoliation on bottom flanges of all but #4 & #6. Scattered pitting on areas of #4 & #6. Some pitting & loss on webs & top flanges of #s 1, 2, & 7. None critical.
890	FX- Rusty
919	FX- Dull
963	FX - Lite to Mod.Exfoliation @ beam Ends. 5% loss. Minor section loss beginning base west pile at abutment

Picture 1 – Roadway Looking East

Picture 2 – Sideview Looking North

Circle # 164A

Picture 3 – West Abutment

Picture 4 – East Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **28354** Structure No.: 60E0735N3320002 Local ID:165 3

Suff. Rating: 94.5 ND

Health Index : 69.8

IDENTIFICATION

Description:
52.8' 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 - E0735 - 0
6. Feature Intersected: CORDUROY CREEK
7. Facility Carried: 145TH ST. (E0735)
9. Location: 1.5 S&2.7W OF PERKINS
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 57.75
17. Longitude: 097 05 04.64
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
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.: 7 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 - 15.0' - 03/07/2006 - FL, 15.0', 11-09. * 7/8/11, 7/5/13 FL 14.0 TOD 26' E of SW COR * 7/24/15- FL 15.5 TOD 42' E OF SW COR

AGE AND SERVICE

27. Year Built: 2006
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 1.0 mi
29. ADT: 280
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):	50.0	64.0	0.0
66. Inventory Rating (H / HS / 3-3) :	30.0	38.0	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 : 8/18/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 26.0 ft
Deck Area: 1,478.3 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 28.0 ft
48. Length Maximum Span: 52.8 ft
49. Structure Length: 52.8 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: $192,273
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $96,136
76. Lgth. of Improvment: 63.4 ft
96. Total Cost: $307,636
114. Future ADT: 448
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: 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: 7 Countermeasures

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 : 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 : 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.: 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 : 8/18/2011
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.: **28354** Structure No.: 60E0735N3320002 Local ID:165 3

Suff. Rating: 94.5 ND

Health Index : 69.8

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

Structure / Inspection Notes

* Clean and seal east approach to deck joint. * FX - W markers are missing

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)	1,452	1,452	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	294	0	0 %	294	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)	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)	104	104	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	1,452	0	0 %	1,452	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	3,469	0	0 %	0	0 %	3,469	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 %
918	1	Steel (Substructure) Protective Coating	(SF)	1,400	1,400	100 %	0	0 %	0	0 %	0	0 %	0	0 %
919	1	Steel (Railing) Protective Coating	(SF)	116	116	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	< none >
107	FX - Surface rust scattered.
202	Surface rust. 8 pile at wings
219	< none >
231	FX - Surface Rust.
330	< none >
510	FX - Fair condition of asphalt overlay. Patched areas.
515	PX - Poor condition
865	FX - Scattered surface rust.
890	FX - Areas of rust
918	On abutments and wings only
919	

Picture 1 – Roadway Looking West

Picture 2 – West Abutment

Circle # 165

Picture 3 – East Abutment

Picture 4 – Girders

Picture 5 – Sideview Looking Southwest

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **10805** Structure No.: 60E0735N3320003 Local ID:166 3

Suff. Rating: 91.5 ND

Health Index : 97.1

IDENTIFICATION

Description:
2-10'X 5'X26' 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 - E0735 - 0
6. Feature Intersected: CORDUROY CREEK
7. Facility Carried: 145TH ST (E0735) _
9. Location: WESTERN RD & 145TH .3E
11. Mile Post: 0.300 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 57.67
17. Longitude: 097 04 50.74
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	7/24/2015	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: 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 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: 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: 7 Minor Deteriorati
61. Channel/Channel Protection: 5 Bank Prot Eroded

Flowline Notes:

R.C.B.

AGE AND SERVICE

27. Year Built: 1948
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 1.0 mi
29. ADT: 280
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): 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): 26.0 ft
Deck Area: 598.5 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: 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: 26.0 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: $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: 448
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: 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: 4 Stable, needs action

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 : -
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
-1 -1
245. Girder Depth : -1.000
246. Type of Overlay : AC Over
246. Overlay Thickness : 4.0
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.: 26.0
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.: **10805** Structure No.: 60E0735N3320003 Local ID:166 3

Suff. Rating: 91.5 ND

Health Index : 97.1

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

Structure / Inspection Notes

FX - Minor scour on north side with slight undermine. Countermeasures noted. FX - INSTALL 5' WIDE BAND OF SMALL TO MEDIUM RIP RAP ALONG DEGRADING SOUTH EDGES 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)	57	52	91 %	5	9 %	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)	546	0	0 %	546	100 %	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	FX - Some minor vertical cracks w/leaching in outer walls. * Exposed rebar base center wall.
331	FX - Conc. post & rail, surface defects.
510	Patched asphalt
961	FX - Scour on north side with 2' undermine. - countermeasures noted. FX- Degrading on south end is under water. (photo)

Picture 1 – Roadway Looking West

Picture 2 – Sideview Looking North

Circle # 166

Picture 3 – Degrading South End

Picture 4 – North End

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **31024** Structure No.: 60E0740N3450002 Local ID:166A 1

Suff. Rating: 96.9 ND

Health Index : -1.0

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 1

5. Inventory Route (Route On Structure) : 1 - 4 - 1 - E0740 - 0
6. Feature Intersected: BIG CREEK
7. Facility Carried: E0740 E0740
9. Location: .2E TEXCO RD/ELM CREEK
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 31.00
17. Longitude: 096 51 09.00
98. Border Br. Code: Unknown (P) % Resp. : Unkn
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: 2013
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: -1
19. Detour Length: 2.0 mi
29. ADT: 125
30. Year of ADT: 2013
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.: 99.0 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,827. sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.1 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: 26.1 ft
52. Width Out to Out: 26.7 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

INSPECTION

Type	Insp Req.	Insp Done	Freq:	Insp. Date:	Next Insp.:
NBI:		Y	24	10/29/2013	10/29/2015
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: 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

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:
2013-fl 17.1 tod 22' e of sw 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):	41.0	53.0	0.0
66. Inventory Rating (H / HS / 3-3) :	24.0	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 : 1/1/1901

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: 175
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: Not Applicable (P)
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: 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: 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 : 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 : 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:
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

LINK TO MAP

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **31024** Structure No.: 60E0740N3450002 Local ID:166A 1

Suff. Rating: 96.9 ND

Health Index : -1.0

Inspection Date:	10/29/2013	Reported By:	GWATKINS
Invoice No.:	60-107	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

70' I-Beam Span

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)	1,869	1,869	100 %	0	0 %	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)	16	16	100 %	0	0 %	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)	140	140	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	
107	Steel girders have 3 sets of x-braces at quarter points.
202	4 pile at wings
219	
231	
330	
515	Thin paint
690	
765	
919	Galvanized flex-beam rails

Picture 1 – Roadway looking west

Picture 2 – Sideview looking north

Picture 3 – Girders

Picture 4 – West abutment

Picture 5 – East abutment

Picture 6 – Girders and stay in place forms

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **29315** Structure No.: 60E0740N3530007 Local ID:166B 1 Suff. Rating: 99.8 ND Health Index : 100.0

IDENTIFICATION

Description:
50'-50'-50' DBL TEE SPANS SKEWED 75 L.F. W/ TR-1 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 - E0740 - 0
6. Feature Intersected: EUCHEE CREEK
7. Facility Carried: E0740 E0740
9. Location: TEXCORD/NORFOLK RD .7E 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 56 32.00 17. Longitude: 096 42 10.00
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 Tee Beam
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: 1 Epoxy Coated Reinforci

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:
N. Side top rail W.A. 7'-7", PRI-24', FL-28'9", PR2-24.0', A2-7'-7"
FL, 29.0', Top S.Rail. -- FL, 29.2, 07 water, 11-2011. * 10/04/13 FL 29.3 TOR 25' E of W pier Southside

AGE AND SERVICE

27. Year Built: 2007 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): 45.0 58.0 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 : 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: 4,332.1 sq. ft 33. Median: 0 No median
34. Skew: 15 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 26.5 ft
48. Length Maximum Span: 50.0 ft 49. Structure Length: 152.0 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 26.5 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: $563,456 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $281,728 76. Lgth. of Improvment: 165.0 ft
96. Total Cost: $901,529 114. Future ADT: 160
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: 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: 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 : Other
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 : _
226. Date Painted: -1
227. Paint Coloring: -1
233. Deck Forming: Other
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.: **29315** Structure No.: 60E0740N3530007 Local ID:166B 1

Suff. Rating: 99.8 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

RATINGS APPEAR TO BE LOW. 8 Beams, Double Tees.

NEW structure, 2007.
FX - Brush @ corners & under contacting str. 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)	4,028	4,028	100 %	0	0 %	0	0 %	0	0 %	0	0 %
109	1	P/S Conc Open Girder/Beam	(LF)	1,200	1,200	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 %
234	1	Reinforced Conc Cap	(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)	304	304	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 %
818	1	Integral Abutment	(LF)	60	60	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 %
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	NVP, New 2007.
109	No Visible Problems. -- Cracked Linking Blocks @ Piers. Bridge Design has no beam ends.
205	No Visible Problems.
234	NVP
310	NVP - * Visible @ Exterior Beams @ Piers. [Thin Pads, 1 inch]
331	-- TR-1 Rail design. -- Hairline vertical cracking with V.Lite Effloresence.
358	Scattered Lite Longitudinal Cracking in line with double tee joints under deck. Very Minor.
659	NVP
818	Slight seepage around beam enclosures. No Notable Problems with Concrete Item.
916	No notable problems. 8 Visible @ Piers @ exterior beams.
965	FX - Large drift under Str. & @ E.Bamk, SE column presenting a FIRE hazard. Remove.

Channel Profile

	Baseline	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Distance	1.0	2.0	51.0	58.0	70.0	80.0	87.0	101.0	115.0	149.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Profile		8.0	24.7	28.5	29.2	29.2	28.5	24.9	19.4	7.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Event		Abutment	Pier	Wtr. Edge	Flowline	Flowline	Wtr. Edge	Pier	_	Abutment	_	_	_	_	_	_

Picture 1 – Roadway looking west

Picture 2 – Sideview looking north

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **31193** Structure No.: 60N3190E0650001 Local ID:170 3

Suff. Rating: 97.0 ND

Health Index : -1.0

IDENTIFICATION

Description:
50' STEEL GIRDER BR W/ CONC. DECK

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 - N3190 - 0
6. Feature Intersected: CLEAR CREEK
7. Facility Carried: N3190 (MAJOR RD) N3190 (MAJOR RD)
9. Location: .1S of MAJOR RD/44TH ST.
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 19.00
17. Longitude: 097 19 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	7/14/2014	7/14/2016
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 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.: 8 Very Good
60. Sub.: 8 Very Good
62. Culvert: N N/A (NBI)
61. Channel/Channel Protection: 8 Protected

Flowline Notes:
07/14/2014 - FL 14.2 TOD 5' N OF SE COR

AGE AND SERVICE

27. Year Built: 2013
106. Year Reconstructed: -4
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 5.0 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: Unknown (NBI)
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): 70.0 91.0 0.0
66. Inventory Rating (H / HS / 3-3) : 42.0 54.0 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 : 7/12/2014

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 99.9 ft
32. Approach Roadway Width (W/ Shoulders): 30.0 ft
Deck Area: 1,651.3 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: 48.5 ft
49. Structure Length: 50.5 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 32.0 ft
52. Width Out to Out: 32.7 ft
53. Minimum Vertical Clearance Over Bridge: 328.1 ft
54A/54B. Min. Vert. Underclearance : N Feature not hwy or RR 100.0

	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 327.8 ft
56. Minimum Lateral Undrclearance L: 327.8 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: 2034

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.: 100.0 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: 8 Desirable 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 : 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 : NA
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.: Excellent
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 :
50 -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.: **31193** Structure No.: 60N3190E0650001 Local ID:170 3

Suff. Rating: 97.0 ND

Health Index : -1.0

Inspection Date:	7/14/2014	Reported By:	GWATKINS
Invoice No.:	60-109	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

NEW 50' I-BEAM SPAN, SK 45 LF

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)	1,651	1,651	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	283	283	100 %	0	0 %	0	0 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	22	22	100 %	0	0 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	80	80	100 %	0	0 %	0	0 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	80	80	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 %
515	1	Steel (Superstructure) Protective Coating	(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)	70	70	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	
107	
202	8 PILE AT WINGS
219	
231	
330	
515	
690	
765	
919	

Picture 1 – Roadway looking north

Picture 2 – Side view looking west

Picture 3 – South abutment

Picture 4 – North abutment

Picture 5 – Girders and Soffit

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **07418** Structure No.: 60N3190E0650007 Local ID:171 3 Suff. Rating: 24.2 SD Health Index : 0.0

IDENTIFICATION

Description:
26' I-BEAM SPAN; TEMPORARY 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 - N3190 - 0
6. Feature Intersected: CREEK
7. Facility Carried: MAJOR RD (N3190) _
9. Location: MAJOR RD & 44TH ST .7S
11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 03 40.08
17. Longitude: 097 19 05.97
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	7/25/2013	7/25/2015
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: 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: 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: 5 Bank Prot Eroded

Flowline Notes:
12-09- Flowline to deck top = 9.0'

AGE AND SERVICE

27. Year Built: 1940
106. Year Reconstructed: -4
28A. Lanes on: 1
28B. Lanes Under: 0
19. Detour Length: 5.0 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: 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 : 6/8/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 409. 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: 24.5 ft
49. Structure Length: 25.5 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: $95,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $52,000
76. Lgth. of Improvment: 46.1 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: 3 Intolerable - Correct
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: 80
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: 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 : -
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.: 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 : 23.0 / -1
244. Span Lengths :
25 -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 : 6/8/2004
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?: _
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.: **07418** Structure No.: 60N3190E0650007 Local ID:171 3

Suff. Rating: 24.2 SD

Health Index : 0.0

Inspection Date:	7/25/2013	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

Temp. steel pipes, 2003. 1- 6 ft. round & 1 6X10 oval, 30 ft. length. -- Steel Headwalls, see photos. * SCOUR UNDER PIPES - COULD FAIL *

* FX - headwall is loose over 6' pipe on west end w/loss of fill (photo) * FX - headwall is loose near bottom between pipes on east * PX - creek threatening roadway approximately 50 ft south of structure (see sketch) * Structure has been replaced by 2 steel tanks. North one is 6 ft & south one egged badly (6 ft H x 10 ft W) * Good gravel roadway * Fair chance of overtopping * Heavy bank erosion w/some slumping * Channel clear * Satisfactory ditches *

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)	408	0	0 %	0	0 %	0	0 %	408	100 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	0	0	0 %	0	0 %	0	0 %	0	0 %	0	0 %
206	1	Timber Column or Pile Extension	(EA)	8	0	0 %	0	0 %	0	0 %	8	100 %	0	0 %
216	1	Timber Abutment	(LF)	32	0	0 %	0	0 %	0	0 %	32	100 %	0	0 %
235	1	Timber Cap	(LF)	32	0	0 %	0	0 %	0	0 %	32	100 %	0	0 %
332	1	Timber Bridge Railing	(LF)	51	0	0 %	0	0 %	0	0 %	51	100 %	0	0 %
510	1	Wearing Surfaces	(SF)	408	408	100 %	0	0 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
31	NOTE - Structure has been replaced with 2 steel pipes, [2003] 1-6 ft & 1-oval 6 ft X 10 ft. X 30 ft.
107	< none >
206	< none >
216	< none >
235	< none >
332	< none >
510	NOTE - Structure has been replaced with 2 steel pipes, [2003] 1-6 ft & 1-oval 6 ft X 10 ft. X 30 ft.

Picture 1 – Roadway looking south

Picture 2 – West end

Picture 3 – West bank

Picture 4 – East bank

Picture 1 – Roadway looking south

Picture 2 – West end

Picture 3 – West bank

Picture 4 – East bank

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **22506** Structure No.: 60N3190E0680007 Local ID:172 3 Suff. Rating: 96.0 ND Health Index : 68.1

IDENTIFICATION

Description:
45' 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 - N3190 - 0
6. Feature Intersected: CREEK
7. Facility Carried: MAJOR RD (N3190) _
9. Location: MAJOR RD & 80TH ST .7S 11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 02.45 17. Longitude: 097 19 05.81
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	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: 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.: 6 Satisfactory 60. Sub.: 6 Satisfactory
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
020106 - Flowline to deck top = 18.2'. - FL, 18.2', 11-09. * 7/6/11 FL 16.1 TOD 4' N of SE COR * 07/23/2013 FL 16.2 TOD AT 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: 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: 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): 46.0 63.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 28.0 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 : 1/23/1992

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 18.0 ft
Deck Area: 1,084.6 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: 44.0 ft 49. Structure Length: 45.0 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: 24.1 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: $208,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $115,000 76. Lgth. of Improvment: 133.8 ft
96. Total Cost: $331,000 114. Future ADT: 40
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: 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: 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: 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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 46.0 / -1
244. Span Lengths :
45 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 36.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 1/23/1992
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.: **22506** Structure No.: 60N3190E0680007 Local ID:172 3

Suff. Rating: 96.0 ND

Health Index : 68.1

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

Structure / Inspection Notes

* REPAIR AND PROTECT SW DITCH * FX- MARK CORNERS * PX- MOVE CHANNEL TO CENTER OF SPAN AWAY FROM SOUTH ABUTMENT * FX- CUT TALL GRASS

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)	1,057	951	90 %	106	10 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	245	0	0 %	230	94 %	15	6 %	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)	48	0	0 %	24	50 %	24	50 %	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)	90	0	0 %	90	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	793	793	100 %	0	0 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	66	94 %	4	6 %	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)	99	0	0 %	0	0 %	99	100 %	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	Some rough areas (poor finish). Minor damage to deck form at north end. 1/2" of gravel on deck.
107	FX-[Moderate rust. Some bent on bottom flange
202	FX-Heavy surface rust most areas. 10 pile at wings
219	FX-Rust with some section loss. Worse at south abutment where flowline is eroding
231	FX-Moderate to heavy surface rust w/some areas of scaling. Paint (on 50% of each cap) gone.
330	FX-Some rough area. Poor finish
510	Gravel overlay covers 75% of deck along both rails and middle which retards deck drainage
865	FX-Moderate rust.
890	Stay in place forms beginning to rust.
919	
963	FX - Girders have some qty's in CS4 = Sec. Loss. Abutment notes mentions Sec. Loss. 5% loss at base pile south abutment. 5% loss on girders.
968	Erosion beginning at south base (PHOTO)

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 172

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Girders

Picture 6 – Base South Abutment

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **06083** Structure No.: 60N3200E0670007 Local ID:174 3

Suff. Rating: 76.7 ND

Health Index : 76.6

IDENTIFICATION

Description:
34' 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 - N3200 - 0
6. Feature Intersected: CREEK
7. Facility Carried: PLEASANT VY(N3200 _
9. Location: PLEASANT VY & 68TH .7S
11. Mile Post: 0.700 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 55.19
17. Longitude: 097 18 00.79
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: 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: 1938
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 %: 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): 17.0 ft
Deck Area: 791.1 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 20.8 ft
48. Length Maximum Span: 31.9 ft
49. Structure Length: 34.4 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 20.8 ft
52. Width Out to Out: 23.0 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

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

CONDITION

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

Flowline Notes:

02/07/2006 - Flowline to deck top = 15.5' -- FL, 15.4, 11-09. * 7/7/11 FL 18.3 TOR 8' S of NW COR * 07/23/2013 FL 18.5 TOR 8' S OF NW COR * 7/13/15- FL 18.4 TOR 7' S OF NW 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):	30.0	46.0	-1.1
66. Inventory Rating (H / HS / 3-3) :	18.0	27.0	-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 : 6/8/2004

PROPOSED IMPROVEMENTS

94. Bridge Cost: $180,000
75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $99,000
76. Lgth. of Improvment: 115.6 ft
96. Total Cost: $285,000
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: 7 Above Minimum
72. Approach Alignment: 6 Equal Min Criteria
113. Scour Critical: 8 Stable Above Footing

200c. Temperature: 94
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 : 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: _
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.: Poor
224. Critical Feature Type: -1
225. Paint Type : Red Lead Ready
Overcoat : 0
226. Date Painted: 3801
227. Paint Coloring: Silver
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 :
34 -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 : 6/8/2004
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.: **06083** Structure No.: 60N3200E0670007 Local ID:174 3

Suff. Rating: 76.7 ND

Health Index : 76.6

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

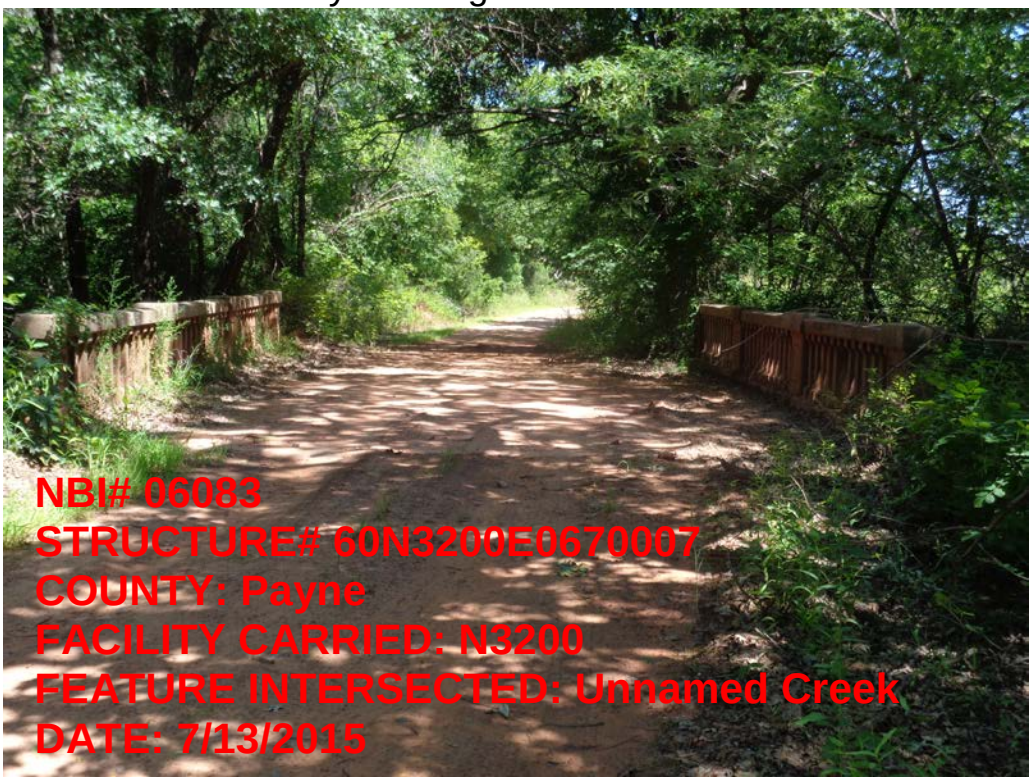
Structure / Inspection Notes

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)	715	0	0 %	715	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 %
215	1	Reinforced Conc Abutment	(LF)	46	46	100 %	0	0 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	68	50	74 %	18	26 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	715	0	0 %	715	100 %	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 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	70	100 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(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-Edges covered with dirt. 1/2" dirt on deck. FX- Brush hides unmarked deck corners
107	FX-Heavy surface rust overall. Some scaling at seats.
215	Surface Defects. Channel Degradation. FX - Add small to medium RIP RAP along north abutment
331	FX-Concrete rail & posts with small openings, see Photos.
510	Loose dirt on deck retards deck drainage
859	A few light cracks w/leaching noted. Less than 2%.
865	FX-Minor surface rust overall. Some scaling at seats.
961	Directional scour on SE has been filled satisfactory. PX- Creek needs realigned toward center of structure.
968	Minor erosion beginning at the base of the north abutment

Picture 1 – Roadway Looking North



Picture 2 – Sideview Looking East

Circle # 174

Picture 3 – Erosion North Bank

Picture 4 – North Abutment

Circle # 174

Picture 5 – South Abutment

Picture 6 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **06315** Structure No.: 60N3220E0620006 Local ID:176 3 Suff. Rating: 64.7 ND Health Index : 61.1

IDENTIFICATION

Description:
45' 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 - N3220 - 0
6. Feature Intersected: CREEK
7. Facility Carried: VASSAR RD (N3220) VASSAR RD
9. Location: VASSAR RD & 6TH ST .6S 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 06 28.48 17. Longitude: 097 15 53.38
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	12	7/18/2015	7/18/2016
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: 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: 5 Fair 59. Super.: 5 Fair 60. Sub.: 5 Fair
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:

4/2/2002 - FL = poor channel profile * 12/12/2006 - FL to deck top = 20.3' FL, 20.3, 12-09. * 7/11/11 FL 19.6 HDWL 34' N of SE COR * 08/01/2013 FL 19.8 HDWL 35' N OF SE COR * 7/18/15- FL 20.0 HDWL 34' N OF SE COR

AGE AND SERVICE

27. Year Built: 1938 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): 24.0 32.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 14.0 19.0 -1.1
65. Inv. Rating Method: 1 LF Load Factor-Tor Alt. Inv. Rating Meth.: 1 LF Load Factor-Tor
70. Posting: 5 At/Above Legal Loads Date Rated : 8/11/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 1,023.7 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 20.1 ft
48. Length Maximum Span: 40.0 ft 49. Structure Length: 44.9 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 20.1 ft 52. Width Out to Out: 22.8 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: $208,000 75. Type of Work: 31 Repl-Load Capacity
95. Roadway Cost: $115,000 76. Lgth. of Improvment: 133.8 ft
96. Total Cost: $331,000 114. 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: 7 Above Minimum
72. Approach Alignment: 8 Equal Desirable Crit
113. Scour Critical: 7 Countermeasures

200c. Temperature: 86
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 : 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: 202020
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: 3801
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 : 42.0 / -1
244. Span Lengths :
45 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.5
246. Overlay Date : 8/11/2011
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.: **06315** Structure No.: 60N3220E0620006 Local ID:176 3

Suff. Rating: 64.7 ND

Health Index : 61.1

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

Structure / Inspection Notes

* FX - PROTECT BOTH ABUTMENTS FROM EROSION * FX-BUSHES HIDE RAIL ENDS. * Erosion of fill at northwest wing. Walk from downstream.

MINOR EROSION DOWNSTREAM OF WALL * 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
12	1	Reinforced Concrete Deck	(SF)	902	0	0 %	812	90 %	90	10 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	230	0	0 %	138	60 %	92	40 %	0	0 %	0	0 %
215	1	Reinforced Conc Abutment	(LF)	46	23	50 %	23	50 %	0	0 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	92	0	0 %	46	50 %	30	33 %	16	17 %	0	0 %
510	1	Wearing Surfaces	(SF)	541	0	0 %	541	100 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	2,165	0	0 %	0	0 %	2,165	100 %	0	0 %	0	0 %
859	1	Soffit of Concrete Decks and Slabs	(EA)	1	0	0 %	1	100 %	0	0 %	0	0 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	56	80 %	14	20 %	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 %
970	1	Wing	(EA)	2	0	0 %	2	100 %	0	0 %	0	0 %	0	0 %

Additional Elements

Elem.	Element Notes (Include Size and Location of Deterioration
12	FX-1 to 2 inch gravel overlay. Heavy wear, scaling and spalls up to 1 inch deep. Some delamination.
107	FX-Light exfoliation and pitting on top flange of each outer girder full length. Some pitting on top flanges at abutment ends 1 foot. Moderate surface rust overall.
215	FX-Minor weathering overall. Moderate spall below west girder at north end.
331	PX - Concrete Rail heavily damaged on west with 2/3 of small posts gone. 16" section on east damaged. Lots of minor chipping on most main posts. Several small posts cracked & loosening in 1st section on east. Impact on rail at northwest corner (PHOTO)
510	FX-1 to 4' gravel overlay. Heavy wear, scaling and spalls up to 1 inch deep. Some delamination. * FX- Loose gravel retards deck drainage
515	PX-Light exfoliation and pitting on top flange of each outer girder full length. Some pitting on top flanges at abutment ends 1 foot. Moderate surface rust overall.Very light paint.
859	FX-Several moderate spalls close to curb drains.
865	FX-Light exfoliation and pitting on top flange of each outer girder full length. Some pitting on top flanges at abutment ends 1 foot. Moderate surface rust overall.
963	FX-Loss not serious. 80% condition OK.
968	Erosion beginning base north abutment minor this date (08/01/2013) Beginning on north end east abutment (PHOTO)
970	FX-Horizontal cracks in NW and NE wings. Sections broken off of SW and SE wings.

Picture 1 – Roadway Looking South

Picture 2 – North Weight Limit Sign

Circle # 176

Picture 3 – Rail Northwest Corner

Picture 4 – Northeast Wing

Picture 5 – West Rail

Picture 6 – South Weight Limit Sign

Circle # 176

Picture 7 – Sideview Looking West

Picture 8 – North Abutment

Picture 9 – South Abutment

Picture 10 – Girders

Picture 11 – West Side North Abutment

Picture 12 – Northwest Wing

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **04624** Structure No.: 60N3220E0650001 Local ID:177 3

Suff. Rating: 96.0 ND

Health Index : 97.7

IDENTIFICATION

Description:
28' 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 - N3220 - 0
6. Feature Intersected: CREEK
7. Facility Carried: VASSAR RD (N3220) _N 3220
9. Location: VASSAR RD & 44TH ST .1S
11. Mile Post: 0.100 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 04 16.32
17. Longitude: 097 15 53.22
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	7/18/2015	7/30/2017
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: 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:

3/27/02 - Flowline to curb top = 13.1' * 3/24/04 - Flowline to curb top = 13.1' Fl, 13.1, 12-09. * 7/14/11 FL 13.8 TOC 17' N of SE COR

AGE AND SERVICE

27. Year Built: 1936
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 5.0 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): 40.0 72.0 -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 : 2/23/1996

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 633.8 sq. ft
33. Median: 0 No median
34. Skew: 0
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 20.0 ft
48. Length Maximum Span: 26.1 ft
49. Structure Length: 27.8 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft
50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 20.0 ft
52. Width Out to Out: 22.8 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: $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: 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: 6 Equal 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: 86
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 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 : -
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: Current and Desired Route
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : -1.0 / -1
244. Span Lengths :
28 -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 : 2/23/1996
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?: 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.: **04624** Structure No.: 60N3220E0650001 Local ID:177 3

Suff. Rating: 96.0
ND

Health Index :
97.7

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

Structure / Inspection Notes

* Move channel to center between abutments and protect both banks from erosion. * FX- Corners need to be marked - brush needs cut back on west side * Beware of dogs.

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)	556	500	90 %	56	10 %	0	0 %	0	0 %	0	0 %
110	1	Reinforced Conc Open Girder/Beam	(LF)	139	135	97 %	2	1 %	2	1 %	0	0 %	0	0 %
331	1	Reinforced Conc Bridge Railing	(LF)	56	52	93 %	2	4 %	2	4 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	556	0	0 %	556	100 %	0	0 %	0	0 %	0	0 %
818	1	Integral Abutment	(LF)	46	43	93 %	3	7 %	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	4 in. of gravel on deck.
110	FX-Small spall on bottom of east girder with 2 ft. longitudal crack nearby (photo). Stirrup bar visible on center girder at north seat (photo). Solid overall.
331	FX-2 moderate spalls on east rail. 2 areas of light damage noted.
510	FX-4 in. of gravel on deck.
818	FX-2 minor diagonal craxks noted on north abutment. Solid for age.
859	FX-Spall below curb at NE corner. Small delaminations noted.
968	Erosion behind SW wing. Needs fill and protection. Minor

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking East

Circle # 177

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **25588** Structure No.: 60N3220E0700002 Local ID:178 3

Suff. Rating: 86.0 ND

Health Index : 50.8

IDENTIFICATION

Description:
31' I-BEAM SPAN, SK60LF

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 - N3220 - 0
6. Feature Intersected: CREEK
7. Facility Carried: VASSAR RD (N3220) _
9. Location: VASSAR RD & 104TH ST .2S
11. Mile Post: 0.200 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 35 59 52.85
17. Longitude: 097 15 53.03
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	7/14/2015	7/14/2017
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: 5 Bank Prot Eroded

Flowline Notes:

Flowline to top of deck = 15.0' 02/06/2009 -- FL, 15.0, 11-09 * 7/12/11 FL 15.0 TOD 19' N of SE COR * 7/23/13 FL 15.1 TOD 19' N OF SE COR * 7/14/15- FL 15.7 TOD 4' S OF NW COR

AGE AND SERVICE

27. Year Built: 1998
106. Year Reconstructed: Unknown
28A. Lanes on: 2
28B. Lanes Under: 0
19. Detour Length: 4.0 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: 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 63.0 -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 : 7/30/2013

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 762. sq. ft
33. Median: 0 No median
34. Skew: 30
35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 24.3 ft
48. Length Maximum Span: 29.7 ft
49. Structure Length: 30.6 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: $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: 40
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: 6 Equal Min Criteria
113. Scour Critical: 5 Stable w/in footing

200c. Temperature: 86
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 : Red Lead Ready
Overcoat : 0
226. Date Painted: 9801
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 : 48.0 / -1
244. Span Lengths :
31 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 7/23/2013
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.: **25588** Structure No.: 60N3220E0700002 Local ID:178 3

Suff. Rating: 86.0 ND

Health Index : 50.8

Inspection Date: 7/14/2015 Reported By: GWATKINS

Invoice No.: 60-112 Inspected With: -1

Agency :

Structure / Inspection Notes

* Deck Controls Rating *

* PX - Wing braces broken at welds on SW at 1st & 2nd pile. * FX - Remove channel drift *

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)	743	743	100 %	0	0 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	144	0	0 %	144	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)	59	0	0 %	39	66 %	20	34 %	0	0 %	0	0 %
231	1	Steel Pier Cap	(LF)	59	0	0 %	59	100 %	0	0 %	0	0 %	0	0 %
330	1	Metal Bridge Railing	(LF)	61	61	100 %	0	0 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	743	0	0 %	743	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)	68	68	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 %
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	Light gravel on Deck. No Notable Problems.
107	FX - Sctd. Surface Rust.
202	PX - Minor scaling. 12 pile at wings. Pile beginning to pit at ground line north of abutment.
219	PX - Some minor exfoliation started on south abutment near ground and north abutment PX- Most of north abutment has lost 4' of fill. Unprotected from erosion.
231	Surface rust only.
330	< none >
510	2" of dirt on deck *7/14/15 1" loose gravel along rails retards deck drainage.
865	FX - Surface rust.
890	Beginning to rust
919	
963	FX- Minor. -- Exfoliation noted @ steel Abutment. Minor pitting on girders
965	FX - Old sw wing across channel causing debris in fl (photo)
968	PX - Erosion of 4' at base pile north abutment (PHOTO)

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking West

Circle # 178

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.: **22471** Structure No.: 60N3230E0680006 Local ID:178A 3 Suff. Rating: 56.3 SD Health Index : 64.3

IDENTIFICATION

Description:
37' 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 - N3230 - 0
6. Feature Intersected: CREEK
7. Facility Carried: MERIDIAN RD _N 3230
9. Location: MERIDIAN RD & 80TH ST .6S 11. Mile Post: 0.600 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 01 12.35 17. Longitude: 097 14 49.02
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	7/14/2015	7/14/2017
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: 6 Satisfactory 59. Super.: 5 Fair 60. Sub.: 4 Poor
62. Culvert: N N/A (NBI) 61. Channel/Channel Protection: 5 Bank Prot Eroded
Flowline Notes:
Flowline to top of deck - 15.0' - 11-09 * 7/14/11 FL 15.4 TOD 7' 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: 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): 26.0 38.0 -1.1
66. Inventory Rating (H / HS / 3-3) : 16.0 23.0 -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 : 6/8/2004

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 22.0 ft
Deck Area: 929.2 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 23.6 ft
48. Length Maximum Span: 37.5 ft 49. Structure Length: 38.4 ft
50A. Curb/Sdwlk Wdth L: 0.0 ft 50B. Curb/Sidewalk Width R: 0.0 ft
51. Width Curb to Curb: 23.6 ft 52. Width Out to Out: 24.2 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: $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.: 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: 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: 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: 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 : -
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: 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 : 48.0 / -1
244. Span Lengths :
38 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 24.000
246. Type of Overlay : Soil
246. Overlay Thickness : 1.0
246. Overlay Date : 6/8/2004
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.: **22471** Structure No.: 60N3230E0680006 Local ID:178A 3

Suff. Rating: 56.3 SD

Health Index : 64.3

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* PX - Backwall sheeting needs capped off at SE corner. * FX - Needs all corner markers replaced. * Cut approach brush

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)	906	0	0 %	906	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	196	0	0 %	168	86 %	28	14 %	0	0 %	0	0 %
202	1	Steel Column or Pile Extension	(EA)	20	0	0 %	20	100 %	0	0 %	0	0 %	0	0 %
216	1	Timber Abutment	(LF)	23	0	0 %	23	100 %	0	0 %	0	0 %	0	0 %
219	1	Steel Abutment	(LF)	23	0	0 %	0	0 %	17	74 %	6	26 %	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)	76	0	0 %	76	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	890	890	100 %	0	0 %	0	0 %	0	0 %	0	0 %
515	1	Steel (Superstructure) Protective Coating	(SF)	1,780	0	0 %	0	0 %	0	0 %	1,780	100 %	0	0 %
865	1	Steel Open Girder/Beam End (5 Ft.)	(LF)	70	0	0 %	60	86 %	10	15 %	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)	81	0	0 %	81	100 %	0	0 %	0	0 %	0	0 %
961	1	Scour	(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 Distress.
107	FX-Minor pitting on bottom flange of center girder. Moderate surface rust.
202	FX-Light to moderate exfoliation at bottom of all south abutment piles. Heavy surface rust overall. 10 pile at wings.
216	FX- Some exfoliation on lower areas south abutment. PX-water stands at S. abutment where creek flow line should be beneath girders mid-span.
219	PX-North abutment. Age
231	FX-Heavy surface rust w/scaling.
330	FX-Too low
510	FX- 1" to 4" dirt and gravel overlay along rails retards deck drainage
515	PX-Minor pitting on bottom flange of center girder. Moderate surface rust. Poor condition. Failed
865	FX-Minor pitting on bottom flange of center girder. Moderate surface rust.
890	FX-Stay in place forms beginning to rust
919	Poor shape.
961	Upstream movement of Silt & under Str. Under south abutment. PX-S. abutment base is unprotected from more scour, because creek flow line is not under bridge mid span.
968	PX- Erosion north abutment and base south abutment

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 178A

Picture 3 – North Abutment

Picture 4 – South Abutment

Picture 5 – Girders

OKLAHOMA DEPARTMENT OF TRANSPORTATION - Bridge Inspection Report

NBI No.: **23598** Structure No.: 60N3230E0690005 Local ID:178B 3 Suff. Rating: 86.0 ND Health Index : 67.0

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 3
5. Inventory Route (Route On Structure) : 1 - 4 - 1 - N3230 - 0
6. Feature Intersected: CREEK
7. Facility Carried: MERIDIAN RD(N3230 _N 3230
9. Location: MERIDIAN RD& 92ND ST .5S 11. Mile Post: 0.500 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 00 22.36 17. Longitude: 097 14 49.01
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	7/14/2015	7/15/2017
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 - 17.5' - 11-09 * 7/12/2011 FL 19.0 TOD 4' 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): 33.9 61.9 -1.1
66. Inventory Rating (H / HS / 3-3) : 19.9 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 : 8/12/2011

GEOMETRIC DATA

10. Inv. Rte. Min. Vert. Clr.: 328.1 ft
32. Approach Roadway Width (W/ Shoulders): 20.0 ft
Deck Area: 570.5 sq. ft 33. Median: 0 No median
34. Skew: 0 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 25.2 ft
48. Length Maximum Span: 22.0 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: 25.2 ft 52. Width Out to Out: 25.7 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: $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.: 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: 7 Countermeasures

200c. Temperature: 88
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: Not on Desired or Current
240. Appr. Roadway Type: Gravel

243. Girder Spacing/Number : 51.0 / -1
244. Span Lengths :
22 -1 -1
-1 -1 -1
-1 -1
245. Girder Depth : 21.000
246. Type of Overlay : Soil
246. Overlay Thickness : 0.5
246. Overlay Date : 8/24/2011
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.: **23598** Structure No.: 60N3230E0690005 Local ID:178B 3

Suff. Rating: 86.0 ND

Health Index : 67.0

Inspection Date:	7/14/2015	Reported By:	GWATKINS
Invoice No.:	60-112	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

* Deck Controls Rating *

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)	565	0	0 %	565	100 %	0	0 %	0	0 %	0	0 %
107	1	Steel Open Girder Beam	(LF)	84	0	0 %	84	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 %	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)	44	0	0 %	44	100 %	0	0 %	0	0 %	0	0 %
510	1	Wearing Surfaces	(SF)	339	339	100 %	0	0 %	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)	48	0	0 %	0	0 %	48	100 %	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 - Superficial grader marks. Some light wear started. Edge forms damaged on south near center (photo).
107	FX - Heavy surface rust.
202	FX - Rust with light pitting. 12 pile at wing
219	FX - Light exfoliation at bottom.
231	FX - Moderate surface rust.
330	< none >
510	Dirt and gravel overlay along rails retards deck drainage
865	Heavy surface rust.
890	FX - Beginning to rust
919	Poor condition
968	Erosion beginning base N abutment and base south abutment east end. FX - add fill and cover with small to medium rip rap (PHOTO)

Picture 1 – Roadway Looking South

Picture 2 – Sideview Looking East

Circle # 178B

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.: **11187** Structure No.: 60N3240E0630004 Local ID:179 3 Suff. Rating: 82.7 ND Health Index : 97.4

IDENTIFICATION

Description:
2-8'X8'X52' RCB, 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 - N3240 - 0
6. Feature Intersected: CREEK
7. Facility Carried: COYLE RD (N3240) _N 3240
9. Location: COYLE RD & 19TH ST .4S 11. Mile Post: 0.400 mi
13. LRS Inv. Route./ Subroute.: -1 -1
16. Latitude: 36 05 40.52 17. Longitude: 097 13 47.32
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	7/13/2015	7/14/2017
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: 0 None
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: 5 Bank Prot Eroded
Flowline Notes:
R.C.B. 8 ft. clear height.

AGE AND SERVICE

27. Year Built: 1950 106. Year Reconstructed: Unknown
28A. Lanes on: 2 28B. Lanes Under: 0 19. Detour Length: 4.5 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 : 1/29/1992

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: 30 35. Structure Flared: 0 No flare
47. Inv. Rte. Total Horiz. Clr.: 52.0 ft
48. Length Maximum Span: 8.0 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: 23.0 ft 52. Width Out to Out: 54.0 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: 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: 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: 4 Stable, needs action

200c. Temperature: 97
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: 04
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 :
8 -1 -1
8 -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.: 50.0
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.: **11187** Structure No.: 60N3240E0630004 Local ID:179 3

Suff. Rating: 82.7 ND

Health Index : 97.4

Inspection Date:	7/13/2015	Reported By:	GWATKINS
Invoice No.:	60-106	Inspected With:	Mary Watkins
		Agency :	

Structure / Inspection Notes

FX - Moderate drift on west side of bridge. * Degrading east apron (photo) add small to medium rip rap along east apron *

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)	125	115	92 %	10	8 %	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	Minor vertical cracks in outer walls. FX- Deck corner markers are missing
961	PX - Degrading east apron (photo) - add small to medium rip rap along east apron.
965	FX - Moderate drift upstream, 2 ft. silt in S.Bbl.

Picture 1 – Roadway Looking North

Picture 2 – Sideview Looking East

Circle # 179

Picture 3 – Debris South Barrel

Picture 4 – Scour East Apron