



# Oklahoma Department of Transportation Project Initiation Report

Report Date: 01/05/2022

Job Piece: 3189607

Div / County: 07 / 43 - LOVE

Project ID: J3-1896(007)

Highway: IS035

Project Description: I-35: RECONSTRUCT TO 6 LANES FROM MM 3.2, N. 1.5 MIS. TO MM 4.7

PS&E: FY 2024

R/W:

Drive-out Date: 01/04/2022

Programmed Estimate:

\$7,500,000

## EXISTING INFORMATION

Reconnaissance Data Available No

Location:

## Functional Classification

- |                 |   |   |  |                                     |
|-----------------|---|---|--|-------------------------------------|
| Area Type:      | <input type="checkbox"/> Urban              | <input type="checkbox"/> Suburban           | <input checked="" type="checkbox"/> Rural    |                                     |
| Terrain Type:   | <input checked="" type="checkbox"/> Flat    | <input type="checkbox"/> Rolling            | <input type="checkbox"/> Mountainous         |                                     |
| Access Control: | <input checked="" type="checkbox"/> Full    | <input type="checkbox"/> Partial            | <input type="checkbox"/> None                |                                     |
| Highway Type:   | <input checked="" type="checkbox"/> Freeway | <input type="checkbox"/> Principal Arterial | <input type="checkbox"/> Minor Arterial      | <input type="checkbox"/> Collector  |
|                 | <input checked="" type="checkbox"/> NHS     | <input type="checkbox"/> Non-NHS            | <input checked="" type="checkbox"/> STRAHNET | <input type="checkbox"/> Scenic Hwy |

## Existing Condition

- |   |  |                                  |                   |
|---|--|----------------------------------|-------------------|
| Current ADT: 27100  | % Trucks: 26% Con                      | Number of lanes: 4               | Lane Width: 12'   |
| Outside Shoulder Width: 10'   |  | Inside Shoulder Width: 4'        |                   |
| <input checked="" type="checkbox"/> Open Section                                | <input type="checkbox"/> Curb & Gutter | <input type="checkbox"/> Divided | Median Width: 40' |
| <input type="checkbox"/> Other (describe)                                       |  |                                  |                   |
| Pavement Type: Concrete   |  | Pavement Condition: Good         |                   |
| Shoulder Type: Concrete   |  | Shoulder Condition: Good         |                   |
| Storm Sewer <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes |  | Storm Sewer Condition:           |                   |
| Sidewalks <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes   |  | Left Width:                      | Right Width:      |

## Bridges within the Project extents: SEE ATTACHED INSPECTION REPORTS

Bridge 1 NBI#: 27775 over I-35 UNDER

## CONSIDERATIONS

### Environmental

- Threatened & Endangered Species, list with seasonal restrictions**  
Piping Plover, Red Knot, Whooping Crane, Monarch Butterfly
- Wetlands, list**  
Some wetlands mapped 100-200 ft west of the existing row.
- Indian / Tribal / Federal / Wetland Reserve Program, list**  
Tribal Trust Land adjacent to I-35 (Chickasaw Nation)

### Alternative Impacts

- Other agencies / entities
- Turnpike Involvement
- Metropolitan Planning Organization

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### Right of Way / Utilities

**Additional Right of Way anticipated, list**

Anticipate constructing within existing right-of-way.

**Utility Conflicts, list**

It is believed that there are fiber optic lines that run parallel to the highway, on both sides. Design efforts will be made to try and avoid impacting these facilities.

### Permit Information

**Design Exception Anticipated:** As Required by Design

Design exceptions may be needed in order to construct within existing right-of-way.

**Maintenance Agreements (Lighting, Signals,...), list**

**Permits Required:**  FAA  USACE  OWRB  Railroad  Other

A 404 Permit is not anticipated for this project.

**Additional Permit Comments:**

### Special Considerations:

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## PROPOSED IMPROVEMENTS

### Project Intent:

Widen I-35 to accommodate 6 lanes of traffic. Increased traffic volumes are anticipated. Adding 2 lanes of traffic to this section of highway will extend the 6 lanes of traffic that are to be constructed adjacent to this project, to the south, with project J/P No. 31896(04).

### Description of Proposed Improvements:

Widen I-35 by adding one additional lane, in each direction, to the outside of the existing highway. Additional right-of-way is not anticipated, but may require design exceptions to accomplish.

10' inside shoulders and median barrier is recommended and will assist with drainage. Storm sewer and inlets will be needed under the median barrier to drain the median.

If any metal cross drains are discovered, they will need to be replaced with concrete pipes.

The existing pavement is in good shape. Therefore, the widening should be accomplished by adding to the existing pavement. Reconstruction of the existing driving lanes is not anticipated. The outside shoulder, with rumble strip, will need to be removed and rebuilt.

For the Rogers Road bridge over I-35 (NBI# 27775): 1) The existing concrete median barrier meets all AASHTO requirements, and will remain as is. 2) Retaining wall will likely be needed under the bridge, at abutment fills, in order to construct the additional lanes. Since the soil is very loose in this area, the retaining walls height should be kept to a minimum. A drainage ditch in front of the east abutment slope wall will also need to be relocated.

Parapet walls (42" F-shaped) are to be built in front of the existing MSE walls that were constructed for the braided northbound on-ramp north of MM 3. This ramp was designed to accommodate a future outside lane.

The existing highway luminaries will be removed and reset.

Design must take into consideration that two lanes of traffic in both directions must remain open during construction.

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**New Bridge Info:**

**Design Speed:**

Desired: 75

Minimum:

**Potential to transfer Steel Beams to County:**       Yes       No       N/A

**Project Termini**

**Beginning of Project:** MM 3.2, just south of the Rogers Road bridge, NBI# 27775.  
This point is also the north end of the adjacent project, to the south, that is already designed, J/P No. 31896(04).

**End of Project:** MM 4.7  
This point is also the south end of the adjacent project, to the north, that is already designed, J/P No. 31892(04).

**Limits of Survey:** Project limits, from right-of-way to right-of-way.

**Limits of NEPA:** An Initiation Environmental Study Footprint KMZ file will either be created by ODOT designers, or by the consulting designer to be designed according to the likely limits of construction and Proposed R/W based on the project description extents in the final initiation report and contract scope to be submitted to Environmental Programs Division for approval. This approved refined Environmental Study Footprint will be used for limits of NEPA.

**Typical Section**

Open Section       Curb & Gutter       Divided      Median Width: variable  
 Other

Number of lanes: 6      Lane Width: 12'  
Outside Shoulder Width: 10'      Inside Shoulder Width: 10'  
Storm Sewer:     No    (only if needed in C&G section)       Yes  
Sidewalks:       No       Yes

Overlay:       No       Yes      Thickness:  
Coldmill:       No       Yes      Thickness:  
Add Shoulders     No       Yes      Width:  
Bridge Width:

**Alignment**

Existing  
 New, located       North       South       East       West of existing  
 Parallel lanes, located       North       South       East       West of existing

Decision comments:  
 Spot Improvements  
 Horizontal, Description:  
 Vertical, Description:

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**Detour**

- Shoo-fly, located       North       South       East       West of existing
- Widening, located       North       South       East       West of existing
- Crossovers
- Close Road
- Signed Detour, Route Desc:  
Anticipated Duration of Detour:
- Agreement Required for Detour
- Phased Construction, Desc:    The project will be constructed under traffic utilizing barrier wall and minor lane shifts, as needed.  
Two lanes of traffic in both directions must remain open during construction .

**Aesthetics**

- Yes       No

**Traffic Items**

- Traffic Management Plan       No       Yes
- Median Barrier       No       Yes
- New Guardrail       No       Yes
- End Treatment       No       Yes, Type: G.E.T.
- Highway Lighting       No       Yes       Outside       Median
- Traffic Signals       No       Yes

**Miscellaneous**

- Channel Work       No       Relocation       Re-alignment       Cleanup
- Public Involvement       No       Road Closure Letters  
 Public Meeting  
 Stakeholder Meeting

**PROGRAMMING INFORMATION**

- RW Project Needed       No       Yes
- Utility Project Needed       No       Yes



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Brian Nusbaum, Project Management Division  
Jason Boomer, Project Management Division  
Daniel Nguyen, Project Management Division  
Jay Earp, Field District 7  
Cole Vonfeldt, Field District 7  
Ron Brown, District 3  
Wendy Ross, District 3  
Matthew Blakeslee, District 3  
Jon Larsen, District 3  
Randy Woods, Roadway  
Justin Hernandez, Bridge Design Division  
Kyle King, Survey Division  
Shawn Smith, Survey Division  
Joe Brutsche, Environmental Programs Division  
Bill Wilkinson, District 3  
Daryl Williams, Survey  
Roland Sison, Bridge Design Division  
Greg Worrell, Environmental Programs Division  
Amanda Alexander, Environmental Programs Division  
Carissa Russell, Roadway Design Division  
Asghar Molla-Esmail, Bridge  
Carl Eldridge, Roadway Design Division  
Steven Bowen, Roadway Design Division, Geometrics  
Jeffrey Hamilton, Roadway Design Division, Aerials  
Leslie Lewis, Bridge Division - Hydraulics  
Cody Hamblin, Traffic Engineering & Operations Division  
Mike Davenport, District 3  
Preston Hiemstra, District 3  
Chance Kendall, District 3  
Garrett Massey, E.I.T.  
Aileen Valdes-Montijo, E.I.T.  
Jason Giebler, Bridge Design Division  
Morgan Janae Miller, E.I.T.

Report Author: Brian Nusbaum

# Oklahoma Dept. of Transportation - Bridge Inspection Report

<b>NBI No.:</b> 27775	<b>Structure No.:</b> 4317 0329 X	<b>Local ID:</b> 104	<b>Suff. Rating:</b> 93.30	<b>ND</b>																														
<b>Bridge Description:</b> (2) 120ft. TYPE J PC BEAM SPANS		<b>INSPECTION</b>																																
<b>IDENTIFICATION</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Type</th> <th>Insp. Req.</th> <th>Insp. Done</th> <th>Freq.</th> <th>Insp. Date</th> <th>Next Insp.</th> </tr> </thead> <tbody> <tr> <td>NBI:</td> <td></td> <td>1</td> <td>24 months</td> <td>1/19/2021</td> <td>01/19/2023</td> </tr> <tr> <td>FC:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> <tr> <td>UW:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> <tr> <td>OS:</td> <td>N</td> <td>0</td> <td></td> <td>NA</td> <td>NA</td> </tr> </tbody> </table>			Type	Insp. Req.	Insp. Done	Freq.	Insp. Date	Next Insp.	NBI:		1	24 months	1/19/2021	01/19/2023	FC:	N	0		NA	NA	UW:	N	0		NA	NA	OS:	N	0		NA	NA
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UW:	N	0		NA	NA																													
OS:	N	0		NA	NA																													
1. State: Oklahoma 2. Division: Division 7 3. County: LOVE 4. City: Unknown Admin Area: Unknown 5a. On/Under: Route On Structure 5b. Kind of Hwy: County Hwy 5c. Lvl of Svc: Mainline 5d. Route No.: 00000 5e. Dir. Sufx: N/A (NBI)		7. Facility Carried : E2240 (ROGERS RD.) 6. Feat. Intersect: I-35 UNDER 9. Location: 3.3 MI N TX S/L 11. Mile Post: 3.290 mi 13. LRS Inv. / Sub Rte: -1 / -1 16. Latitude: 33° 45' 57.83" 17. Longitude: 097° 08' 06.42" 98. Border Brdg: Unknown (P) % Responsible: 0.00 99. Border Brdg #: Unknown																																
<b>STRUCTURE TYPE AND MATERIALS</b>		<b>CLASSIFICATION</b>																																
43a/b. Main Span: P/S Conc. / Stringer/Girder 44a/b. Appr. Span: N/A / Not Applicable (P) 45. # of Main Spans: 2 46. # of Appr. Spans: 0 107. Deck Type: Concrete-Cast-in-Place 108a. Wearing Surface: Monolithic Concrete 108b. Membrane: None 108c. Deck protection: Epoxy Coated Reinforci		12. Base Hwy Net.: Not on Base Network 20. Toll Facility: On free road 21. Custodian: State 22. Owner: State 26. Function Class: 07 Rural Mjr Collecto 37. Historical Sig.: Not eligible for NRHP 100. Def. Hwy: Not a STRAHNET hwy 101. Parallel Str.: No    bridge exists 102. Traffic Dir.: 2-way traffic 103. Temp. Str.: Not Applicable (P) 104. Hwy System: Not on NHS 105. Fed Land Hwy: IRR-Indian Res Rd 110. Defense Hwy: Not a STRAHNET hwy 112. NBIS Length: Long Enough																																
<b>AGE AND SERVICE</b>		<b>CONDITION</b>																																
19. Detour Length: 2.0 mi 27. Year Built: 2005 28a/b. Lanes on/und: 4 / 4 29. ADT: 1,025 30. Year of ADT: 2019 42a/b. Type of Svc on/und: Highway / Highway		58. Deck: 7 Good 62. Culvert: N/A (NBI) <b>Flowline Notes</b> 59. Sup.: 8 Very Good 61. Chan./Chan. Prot.: N/A (NBI) 60. Sub: 8 Very Good																																
<b>GEOMETRIC DATA</b>		<b>LOAD RATING AND POSTING</b>																																
10. Vert. Clearance: 99.99 ft 32. Appr Rwy Width: 52.00 ft 33. Median: No median 34. Skew: 0.00° 35. Struct. Flared: No flare 47. Horizontal Clr: 52.00 ft 48. Length Max Span: 120.00 ft 49. Struct. Length: 240.50 ft		31. Design Load: HL 93 41. Post. Status: A Open, no restriction 70. Posting: 5 At/Above Legal Loads 63. Op / 65. Inv. Rating Meth.: 1 LF Load Factor / 1 LF Load Factor <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>H</th> <th>HS</th> <th>3-3</th> <th>EV3</th> <th>SHV</th> </tr> </thead> <tbody> <tr> <td>64. Operating Rating (tons):</td> <td>55.00</td> <td>90.00</td> <td>106.00</td> <td>87.00</td> <td>95.00</td> </tr> <tr> <td>66. Inventory Rating (tons):</td> <td>30.00</td> <td>48.00</td> <td>58.00</td> <td>45.00</td> <td></td> </tr> </tbody> </table>				H	HS	3-3	EV3	SHV	64. Operating Rating (tons):	55.00	90.00	106.00	87.00	95.00	66. Inventory Rating (tons):	30.00	48.00	58.00	45.00													
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<b>OKLAHOMA ITEMS</b>		<b>APPRAISAL</b>																																
200c. Temperature: 50 200d. Weather: Ptly Cloudy 201. Struc.Stl. ASTM Desig.: -1 / -1 202. Waterprf. Membrane: -1 Date Installed: 01/01/1901 203. Type Exp. Device: Pourable 204. Type of Railing: TR-4 205. Material Quantity: -1.00 208a. Type of Abutment: Skeleton b. Type of Found.: Steel Piling 209. Type of Pier/Found.: 3 / No Drilled Shaft-No Footing 210. Foundation Elev.: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>-1.00</td> <td>-1.00</td> <td>-1.00</td> </tr> <tr> <td>-1.00</td> <td>-1.00</td> <td>-1.00</td> </tr> </table> 211. Wear. Surf. Prot. Sys.: Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date: 213. Utilities Attached:		-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	36a. Brdg Rail: 1 Meets Standards 36b. Transition: 1 Meets Standards 36c. Appr. Rail: 1 Meets Standards 36d. Appr. Rail Ends: 1 Meets Standard 67. Str Evaluation: 8 Equal Desirable 68. Deck Geom.: 4 Tolerable 69. Vert./Horiz. Undclr: 6 Equal Minimum 71. Waterway Adeq: N Not applicable 72. Appr. Alignment: 8 Equal Desirable Crit 113. Scour Critical: N Not Over Waterway																										
-1.00	-1.00	-1.00																																
-1.00	-1.00	-1.00																																
<b>PROPOSED IMPROVEMENTS</b>		<b>NAVIGATION DATA</b>																																
214a. Posted Weight Limit: NR b. Posted Speed Limit: 40 c. Narrow/1way Brdg Sign: No d. Vertical Clr. Sign: Yes Adv. Warning Sign: No e. Navigation Lights?: NA Working/Not Working: NA 215. Overpass: INTERSTATE 218. Functionally Obsolete: - 220. Bridge Redecked: - 221. Substr. Cond. (U/W): - 222. Fill Over RCB: 223. Appr. Slab/Rwy Cond.: 1 225. Paint Type/Ovrct: - N/A 226. Date Painted: 227. Paint Color: - 233. Deck Forming: - Perm. Metal Deck Forr 238. School Bus Rte.: Not Desired/Current rte. 240. Appr. Rwy Type.: Asphalt/Bituminous 243. Grdr Spacing/No.: /		94. Bridge Cost: \$1,863,971 95. Roadway Cost: \$3,075,552 96. Total Cost: \$5,219,118 97. Yr. of Cost Est.: 2015 75. Type of Work: 31 Repl-Load Capacity 76. Lngth of Improvement: 264.5 ft 114. Future ADT: 1,640 115. Yr. of Future ADT: 2039																																
<b>NAVIGATION DATA</b>		<b>PROTECTIVE SYSTEMS</b>																																
38. Nav. Control: NA-no waterway 39. Vert. Clearance: 0.0 ft 40. Horiz. Clearance: 0.0 ft		111. Pier Protect.: Not Applicable (P) 116. Lift Bridge Vert. Clr.: 0.0 ft 244. Span Lengths: 245. Girder Depth: 246a. Type of Overlay: NA b. Overlay Thickness: c. Overlay Date: 01/01/1901 d. Ovlv Depth Changed >1": - 247. Protective Systems: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>																																
<b>PROTECTIVE SYSTEMS</b>		<b>FIELD SPICES</b>																																
248. # Field Splices w/ Corrosion: 249. Scour Crit. POA Exists?: - 250. Headwall: 258. Plans w/Found.in ODOT File: - 259. Scour Eval. in ODOT File: - 263. Interchange at Intersection: No 264. Interstate Milepoint: 3.29		248. # Field Splices w/ Corrosion: 249. Scour Crit. POA Exists?: - 250. Headwall: 258. Plans w/Found.in ODOT File: - 259. Scour Eval. in ODOT File: - 263. Interchange at Intersection: No 264. Interstate Milepoint: 3.29																																

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Inspection Date: 1/19/21 Mike Baldwin

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Invoice No.: 2062-16 Inspected With: John Smith



**BRIDGE NOTES:**

**INSPECTION NOTES:** 1/19/21

POSTED 16'5" N. BOUND  
16'8" S. BOUND

**ELEMENT CONDITION STATE DATA**

Elem. / Env	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4
12 / 4	Re Concrete Deck	sq.ft	12,506.00	98%	12,256.00	2%	250.00	0%	0.00	0%	0.00
AREAS OF MAP CRACK AND LONGITUDINAL AT ENDS											
109 / 4	Pre Opn Conc Girder/Beam	ft	1,250.00	100%	1,250.00	0%	0.00	0%	0.00	0%	0.00
MINOR TIGHT DIAG. CRACKING IN WEB AREA OF VARIOUS BEAMS AT ABUTMENTS											
205 / 4	Re Conc Column	each	3.00	100%	3.00	0%	0.00	0%	0.00	0%	0.00
-1											
234 / 4	Re Conc Pier Cap	ft	52.00	100%	52.00	0%	0.00	0%	0.00	0%	0.00
-1											
310 / 4	Elastomeric Bearing	each	10.00	100%	10.00	0%	0.00	0%	0.00	0%	0.00
-1											
321 / 4	Re Conc Approach Slab	sq.ft	2.00	100%	2.00	0%	0.00	0%	0.00	0%	0.00
FX - Expansion joints at ends of approach pavement are failing. Both transitions are rough.											
331 / 4	Re Conc Bridge Railing	ft	481.00	100%	481.00	0%	0.00	0%	0.00	0%	0.00
Hairline cracks throughout.											
924 / 4	Conc Rail Prot Coat	(SF)	3,327.00	0%	0.00	100%	3,327.00	0%	0.00	0%	0.00
-1											
818 / 4	Integral Abutment	(LF)	113.00	71%	80.00	29%	33.00	0%	0.00	0%	0.00
Minor horizontal crack along each abutment. Minor to moderate spalls in abutments backwalls near beams.											
870 / 1	Concrete Wingwall	(EA)	4.00	100%	4.00	0%	0.00	0%	0.00	0%	0.00
890 / 4	Steel SIP Form	(LF)	1.00	100%	1.00	0%	0.00	0%	0.00	0%	0.00
909 / 4	Pourable Fix Jt.Seal	(LF)	108.00	100%	108.00	0%	0.00	0%	0.00	0%	0.00
CRACKING ADJ. TO JOINTS											
916 / 4	St.Bearing Assembly	(LF)	10.00	100%	10.00	0%	0.00	0%	0.00	0%	0.00
-1											
958 / 4	Concrete Cracking SF	(EA)	1.00	100%	1.00	0%	0.00	0%	0.00	0%	0.00
AREAS OF MAP CRACKING AND LUNGITUDINAL CRACKS AT ENDS											
968 / 1	Erosion SF	(EA)	1.00	100%	1.00	0%	0.00	0%	0.00	0%	0.00
FX - Minor erosion at NW corner.											