Structure File Number: 4305191

Inventory Bridge Number: LAK 00091 04.490

Sufficiency Rating: 87.3

District: 12 Place Code (FIPS): EASTLAKE

Date Built: 7/1/1969

SR 91 over LAKELAND BLVD

Type of Service on: HIGHWAY

Bridge Type: 3 - STEEL/2 - BEAM/2 - CONTINUOUS

APPROACH ITEMS

c1. Approach Wearing Surface (EA)

c2. Approach Slabs (SF) c3. Relief Joint (LF)

c4. Embankment (EA) d

c5. Guardrail (EA)

N36. Safety Features:

Tr, Gr, Tm c6. Approach Summary

DECK ITEMS

c7.1 Floor/Slab (SF)

c7.2 Edge of Floor/Slab (LF)

c8. Wearing Surface (SF)

c9. Curb/Sidewalk/Walkway (LF)

c10. Median (LF)

c11. Railing (LF)

N36. Safety Features: Rail

c12. Drainage (EA) d

c13. Expansion Joint (LF) d

N58. Deck Summary

SUPERSTRUCTURE ITEMS

c14. Alignment (EA) d
c15.1 Beams/Girders (LF)
c15.2 Slab (SF)
c16. Diaphragm/X-Frames (EA)
c17. Stringers (LF)
c18. Floorbeams (LF)
c19. Truss Verticals (EA)
c20. Truss Diagonals (EA)
c21. Truss Upper Chord (EA)
c22. Truss Lower Chord (EA)
c23. Truss Gusset Plate (EA) d
c24. Lateral Bracing (EA)
c25. Sway Bracing (EA)
c26. Bearing Devices (EA) d
c27. Arch (LF)
c28. Arch Column/Hanger (EA)
c29. Arch Spandrel Walls (LF)
c30. Prot. Coating System (LF) d
c31. Pins/Hangers/Hinges (EA) d
c32. Fatigue (LF) d

N59. Superstructure Summary

condition state					cr
QTY.	1	2	3	4	TR
4	2	2		0	1.60
4500	4275	225	0	0	1.07
180	180				
4	4				1.00
4.0	4		0	0	1.00

36)B 1	36)	<u> </u>	3	6)D	1
				(9-0)	6
	С	onditio	on stat	e	cr
QTY.	1	2	3	4	TR
13086.2	3796.	7328	1962	0	2.43
290	271 271	14	5	0	1.33
12421.72	3721.	8700	0		1.78

145	137	8			1.08
290	188	87	15		1.88
36)A 1					
4	4	0	0	0	1.00
180.5	157.5	18	5	0	1.51
				(9-0)	5

condition state

	С	onditio	on stat	e	cr	Ne
QTY.	1	2	3	4	TR	
3	3				1.00	<u>C</u>
1740	1374	348	18	0	1.41	c5
						c5
150	135	15	0	0	1.14	c5
						c5
						N
						<u>s</u>
						c5
0.00						c5
						c5
						G
						N
48.0	36	12	0	0	1.33	In
						Re
1740.0	1374	348	18	0	1.41	
1740	1740	0	0	0	1.00	

SUBSTRUCTURE ITEMS c33. Abutment Walls (LF) c34. Abutment Caps (LF)

- c35. Abut. Columns/Bents (EA)
- c36. Pier Walls (LF)
- c37. Pier Caps (LF)

c38. Pier Columns/Bents (EA) c39. Backwalls (LF)

- c40. Wingwalls (EA)
- c42. Scour (EA) d
- c43. Slope Protection (EA) d

N60. Substructure Summary

CULVERT ITEMS

c44. General (LF)
c45. Alignment (LF) d
c46. Shape (LF) d
c47. Seams (LF) d
c48. Headwall/Endwall (LF)
c49. Scour (LF) d
c50. Abutments (LF)
N62. Culvert Summary

CHANNEL ITEMS

251. Alignment (LF) d 252. Protection (LF) d 253. Hydraulic Opening (EA) d 254. Navigation Lights (EA) d N61. Channel Summary

SIGN/UTILITY ITEMS

c55. Signs (EA) d c56. Sign Supports (EA) d c57. Utilities (LF) d General Appraisal N41. Operating Status

Inspector Name	Gerstenslag
Inspection Date/Type	11/06/2019
PE Number	
Reviewer Name	Seif, Yousse
Review Date	01/06/2020
PE Number	59487

Gerstenslager, Michael

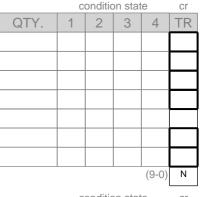
Seif, Youssef 01/06/2020 59487

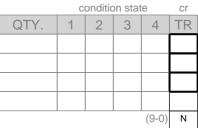
Routine

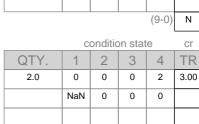
7

(9-0)

condition state					cr
QTY.	1	2	3	4	TR
217.71	191.7	22	4		1.40
	0	0	0	0	
	0	0	0	0	
	0	0	0	0	
217.71	204.7	10	3		1.28
16	4	5	7	0	3.00
217.71	159.7	10	48		2.45
4	4		0	0	1.00
2	2	0	0	0	1.00
(9-0)					
condition state					or







(9-0)

5

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Sufficiency Rating: 87.3

Date Built: 7/1/1969

District: 12 Place Code (FIPS): EASTLAKE

SR 91 over LAKELAND BLVD

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Key: "Qty" = Quantity for Element Level inspection; "(LF)" = Linear Feet; "(SF)" = Square Feet; "(EA)" = Each or count; "CR" = 1-4 Condition Rating or average of worst span unless Summary item 9-0, then the average of entire bridge influenced by the bold boxes; "TR" = Transition Rating or weighted average of condition states; "d" = dedicated or specific chart and guidance, all others use Material specific chart/guidance; "c" = condition prefix; "N" = NBIS rating

Inspection Procedures

Comments

APPROACH

c1. Approach Wearing Surface

CRACKS, AREAS OF ASPHALT BREAKING UP, ASPHALT PATCHES MAINLY AT REAR (REAR-RIGHT WORST) . SHALLOW SPALL ALONG FORWARD RISER BAR IN SB LANE 2.

c2. Approach Slabs

PAVED OVER. ASPHALT ALONG EXPANSION JOINTS SHOWS SIGNS OF DISTRESS.

DECK

c7.1 Floor/Slab

CRACKS, SOME LEACHING WITH STALACTITES. DELAMS. SPALLS. MOTTLED AREAS (AT LEAST 50% OF FLOOR IS SATURATED). FAILING PATCH IN BAY 7 AT REAR ABUTMENT. PATCH FORMWORK IN BAY 3. TIMBER SUBDECKED OVER TRAFFIC.

2017 QA Floor inspection (MB JB)

c7.2 Edge of Floor/Slab

SOME CRACKS. SMALL SPALLED AREAS AT ALL 4 CORNERS.

c8. Wearing Surface

LONG LONGITUDINAL CRACK IN SB LANE 2. OTHER AREAS OF TRANSVERSE AND LONGITUDINAL CRACKS, SOME AS WIDE AS 1/8". CONCRETE PATCHES. WS HAS BEEN SEALED.

c10. Median

A FEW CRACKS.

c11. Railing

VERTICAL & HORIZONTAL CRACKS. MOST SEALER HAS PEELED OFF. DELAMS & SPALLS TO OUTSIDE RAILINGS. CONCRETE PATCHES TO RIGHT RAIL.

c12. Drainage

NOTE: DOWNSPOUTS ARE PLUGGED.

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c13. Expansion Joint

A FEW GOUGES TO ARMOR. LEAKING IN FORWARD BAY 7. NOTE: PARTIAL REPAIR TO BOTH NB JOINTS WITH PORTIONS OF EXJT HEADERS CUT AWAY. 5' OF NB JOINT DECK ARMOR AT FORWARD IN LANE 1 IS LOOSE.

SUPERSTRUCTURE

c15.1 Beams/Girders

SURFACE RUST. MINOR RUSTED SECTION LOSS AT ABUTMENTS. MINOR SCRAPE TO LOWER FLANGE OF BEAM 2 OVER CENTER LINE.

c16. Diaphragm/Cross Frames

ENDFRAME RUSTED SECTION LOSS.

c26. Bearing Devices

PACK RUST BETWEEN SHIM PLATES UNDER MASONRY PLATES & ROCKERS.

c30. Protective Coating System

SURFACE RUST. AREAS OF PEELING & PAINT RUNS.

c32. Fatigue

WELDED MOMENT PLATES AT PIERS.

SUBSTRUCTURE

c33. Abutment Walls

CRACKS, SOME LEACHING. SPALLS AT FORWARD CONSTRUCTION JOINT. A FEW DELAMINATED AREAS. CONSTRUCTION DEBRIS ON SEATS BELOW MEDIAN BAY.

c38. Pier Columns/Bents

SPALLS AS LARGE AS 15 SF TO P1C5 & C6, P2C1, C2, C4, C6 & C7. DELAMS AS LARGE AS 20 SF TO P1C7 & C8, P2C3, C5 & C8.

c37. Pier Caps

CRACKS. DELAMS & SPALL WITH EXPOSED REBAR TO P2 CAP BELOW MEDIAN BAY.

c39. Backwalls

SPALLS / DETERIORATION AT REAR CONSTRUCTION JOINTS. 2 SF BY 3" DEEP SPALL WITH EXPOSED REBAR IN FORWARD BAY 5. 1 'X 2' X 3" DEEP SPALL IN FORWARD BACKWALL IN BAY 1. 6" VOIDS UNDER EXJT ARMOR IN REAR BACKWALL ALONG ENTIRE WIDTH OF BAY 5 & SECTION OF BAY 6 AND IN FORWARD BAYS 5-7 WHERE EXJT HAS BEEN PARTIALLY REPAIRED NOTE: DECK ARMOR IS LOOSE HERE. SMALL SPALL THRU TO TOP IN BAY 5 AT REAR.

c40. Wingwalls

MINOR DELAMS & CRACKS.

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SR 91 over LAKELAND BLVD

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