



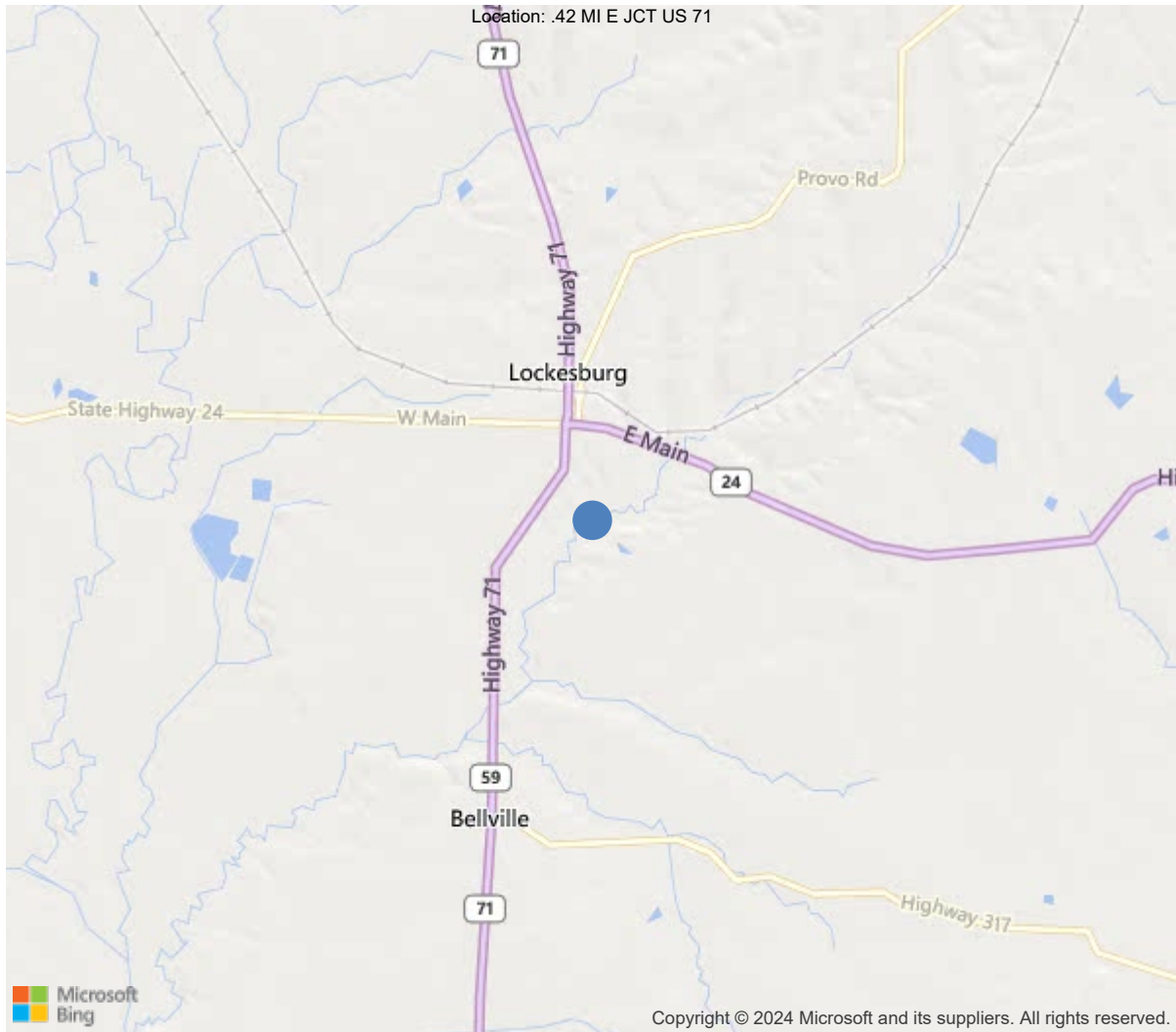
Latitude:33.96029, Longitude:-94.16618

Route:304 Section:00 Log:0.42

Arnold Road ID:66xEMAGNOLIAx0xA, Arnold Log mile:0.409

District 03, 133 - Sevier County

Owner: 2 - County Highway Agency



33.96029, -94.16618



Asset #04607(Routine)

CR 304 EAST MAGNOL over BIG BELLVILLE CREEK

Location: .42 MI E JCT US 71

Team Lead: Charlie Rogers, Inspection Date: 02/15/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	04607
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	133 - Sevier County
(4) Place Code	0
(6) Features Intersected	BIG BELLVILLE CREEK
(7) Facility Carried	CR 304 EAST MAGNOL
(9) Location	.42 MI E JCT US 71
(11) Mile Point	0.42 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.960285
(17) Longitude	-94.166183
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	122
Material	1 - Concrete
Type	22 - Channel beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	2 - Concrete Precast Panels
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1988
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	72
(30) Year of ADT	1987
(109) Truck ADT	1 %
(19) Bypass, Detour Length	4 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	75 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	24.6 ft
(52) Deck Width Out to Out	27 ft
(32) Approach Roadway Width (W/Shoulders)	27.9 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	25.9 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	1 - Navigation protection not
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	9 - Rural Local
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structure
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	36
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	0
(114) Future ADT	90
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	02/15/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
<p>* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.</p>			



Asset #04607(Routine)

District: 03, County: 133 - Sevier County

Team Lead: Charlie Rogers, Inspection Date: 02/15/2022

General Observation

02/12/2018...AL, SS PHOTOS TAKEN. LITTLE OR NO CHANGE IN CONDITION.....2-10-2020 AL,SS PHOTOS TAKEN PER THIS INSPECTION up dated soundings taken...2/15/2022...AL, Elevation, Deck, Def photos taken...

58 - Deck (7 - GOOD CONDITION - some minor problems.)

2/15/2022...All top flange joints have grout in them per this inspection. All joints have loss of pourable joint material...

59 - Superstructure (7 - GOOD CONDITION - some minor problems.)

2/15/2022...Small typical hairline cracks throughout under side of the deck precast units...

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

2/15/2022...Spalls on end abutments. Steel encasements on pile starting to rust in various locations...



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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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Comment: 2/15/2022....All top flange joints have grout in them per this inspection. All joints have loss of pourable joint material...



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Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

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Comment: 2/15/2022...Small typical hairline cracks throughout under side of the deck precast units...



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4

60 - Substructure (7 - GOOD CONDITION - some minor problems.)

Comment: 2/15/2022...Spalls on end abutments. Steel encasements on pile starting to rust in various locations...



Elevation 2/2022



Bent 2



Bent 1 abutment



Channel beams



Underside of deck typical all spans 2/2022



Deck 2/2022



Alignment 2/2022



SS



Bent 4 abutment



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	



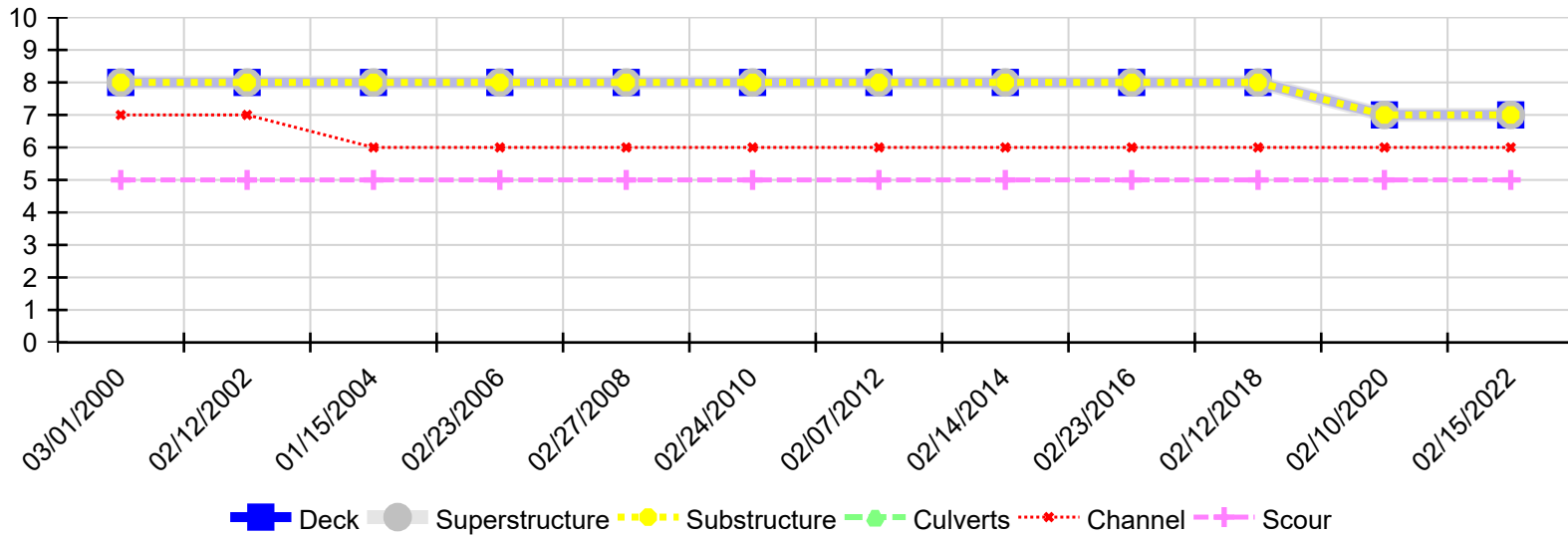
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
02/15/2022	7	7	7	N	6	5
02/10/2020	7	7	7	N	6	5
02/12/2018	8	8	8	N	6	5
02/23/2016	8	8	8	N	6	5
02/14/2014	8	8	8	N	6	5
02/07/2012	8	8	8	N	6	5
02/24/2010	8	8	8	N	6	5
02/27/2008	8	8	8	N	6	5
02/23/2006	8	8	8	N	6	5
01/15/2004	8	8	8	N	6	5
02/12/2002	8	8	8	N	7	5
03/01/2000	8	8	8	N	7	5