



Latitude:34.50778, Longitude:-92.97389

Route:5 Section:5 Log:0.1

Arnold Road ID:, Arnold Log mile:

District 06, 51 - Garland County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

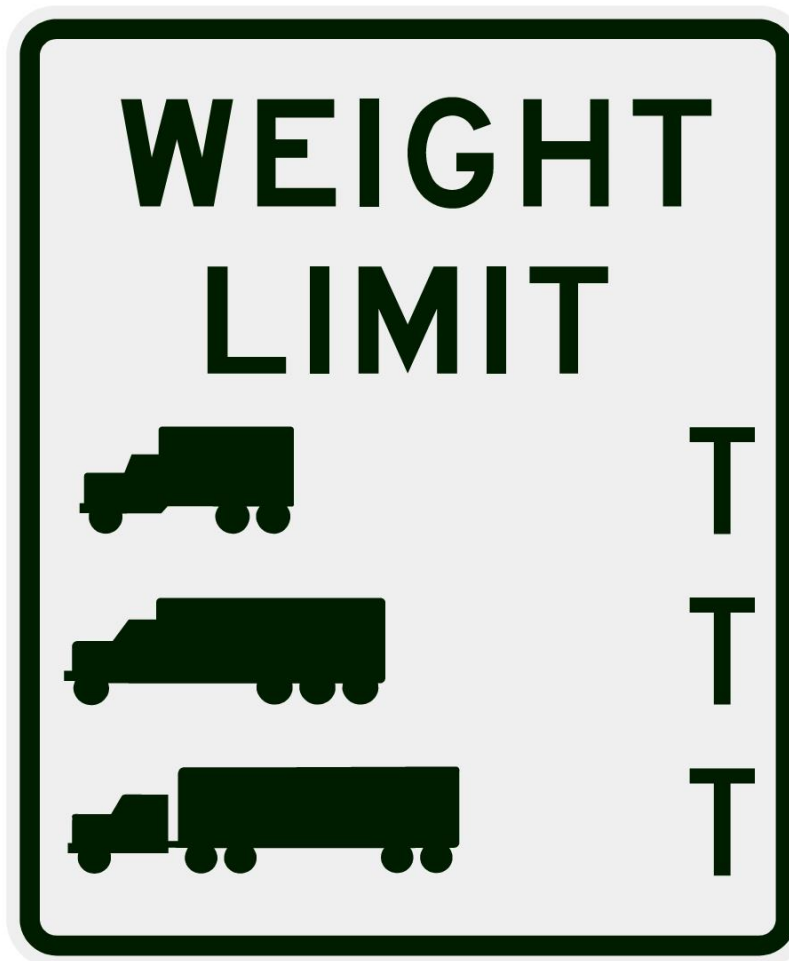
### Bridge Posting Information

41 - Structure Open/Posted/Closed: G - New structure not yet open to traffic

70 - Bridge Posting:

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value
Code 4 (22 Tons)		
Code 9 (31 Tons)		
Code 5 (40 Tons)		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR



**Asset #07456**(Routine)  
**Hwy 5 over East Grand Ave.**  
**Location: 5.4 M Hwy 7**

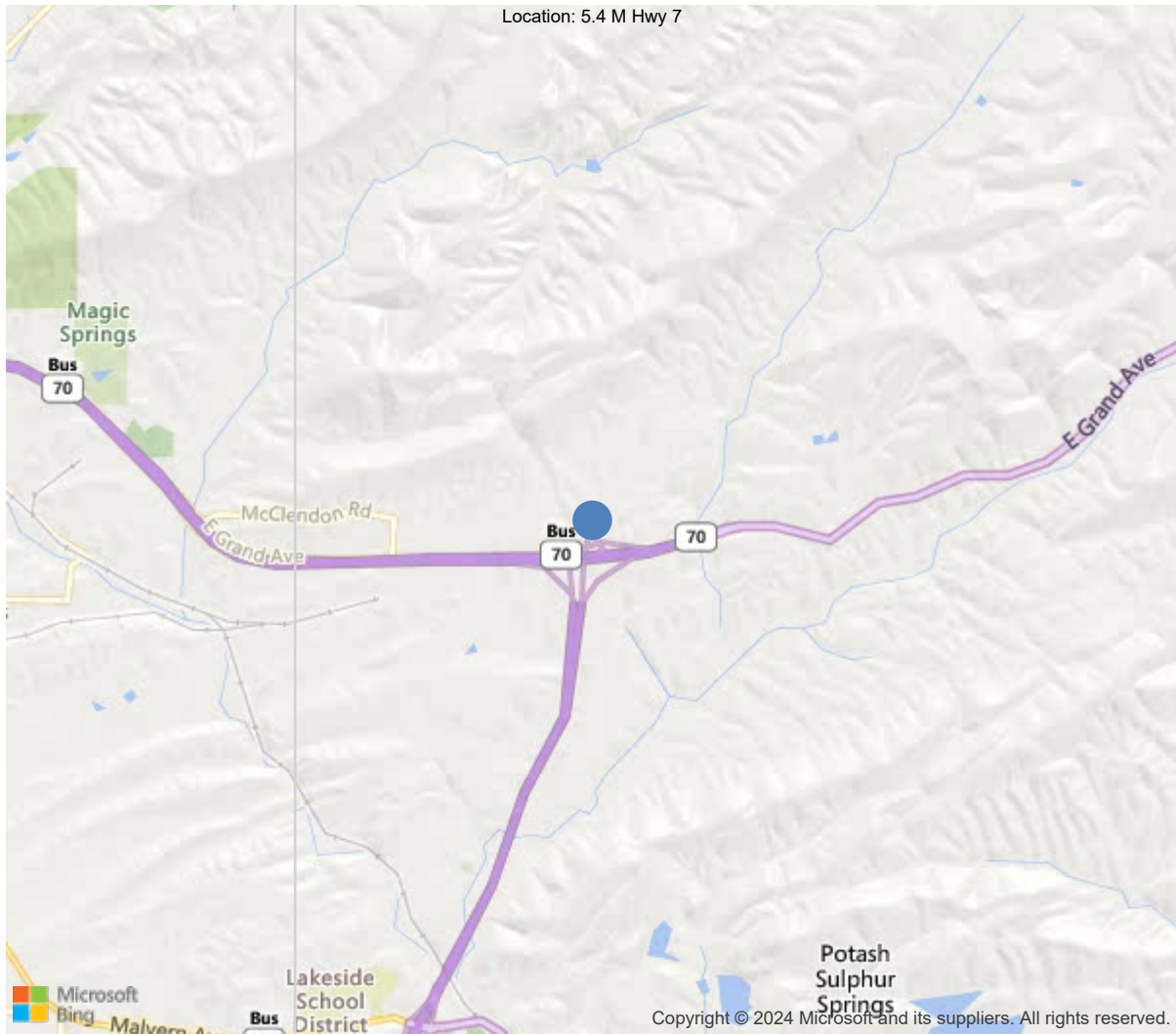
**Team Lead:** Chris Doggett **Inspection Date:** 09/27/2022

End of Bridge Sign Current Value

An error has occurred while processing TextBox 'textBox19':  
Cannot perform '>=' operation on System.String and System.Int32.

An error has occurred while processing TextBox 'textBox20':  
Cannot perform '>=' operation on System.String and System.Int32.

An error has occurred while processing TextBox 'textBox25':  
Cannot perform '>=' operation on System.String and System.Int32.



34.50778, -92.97389





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**Hwy 5 over East Grand Ave.**  
**Location: 5.4 M Hwy 7**

**Team Lead: Chris Doggett Inspection Date: 09/27/2022**

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07456
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	51 - Garland County
(4) Place Code	33400
(6) Features Intersected	East Grand Ave.
(7) Facility Carried	Hwy 5
(9) Location	5.4 M Hwy 7
(11) Mile Point	0.1 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.50777778
(17) Longitude	-92.97388889
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
Type	2 - Stringer/Multi-beam or girder
(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	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2021
(106) Year Reconstructed	
(42) Type of Service	11
On	1 - Highway
Under	1 - Highway, with or without pedestrian
(28) Lane	
On	1
Under	2
(29) Average Daily Traffic	
(30) Year of ADT	
(109) Truck ADT	%
(19) Bypass, Detour Length	0 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	85 ft
(49) Structure Length	227.2 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	25 ft
(52) Deck Width Out to Out	28 ft
(32) Approach Roadway Width (W/Shoulders)	25.3 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99 ft
(47) Inventory Route Total Horiz Clear	25 ft
(53) Min Vert Clear Over Bridge Rdwy	99 ft
(54) Min Vert Underclear	21.3 ft
Ref:	
(55) Min Lat Underclear RT	20.6 ft
Ref:	
(56) Min Lat Underclear LT	23.6 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(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	1
(26) Functional Class	14 - Urban Other Principal Art
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	1 - The inventory route is par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	8
(59) Superstructure	9
(60) Substructure	9
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	
(63) Operating Rating Method	
(64) Operating Rating	
Type	
Rating	
(65) Inventory Rating Method	
(66) Inventory Rating	
Type	
Rating	
(70) Bridge Posting	
(41) Structure Open/Posted/Closed	G - New structure not yet open
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	
(69) Clearances, Vertical/Horizontal	
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(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	N - Bridge not over waterway.
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	
(114) Future ADT	
(115) Year of Future ADT	

INSPECTIONS *			
(90) Inspection Date	09/27/2022		
(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		
* 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.			



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**General Observation**

Job #R60140 Drawing #60989 for layout

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6300	6048	252	0	0
1130	Cracking (RC and Other)	SF	252	0	252	0	0
(12) Each span on either side of bridge, the overhangs have a few transverse cracks with efflorescence staining.							
107	Steel Open Girder/Beam	LF	900	900	0	0	0
515	Steel Protective Coating	SF	8298	8298	0	0	0
210	Reinforced Concrete Pier Wall	LF	22	22	0	0	0
215	Reinforced Concrete Abutment	LF	96	96	0	0	0
234	Reinforced Concrete Pier Cap	LF	54	54	0	0	0
301	Pourable Joint Seal	LF	56	56	0	0	0
310	Elastomeric Bearing	EA	16	16	0	0	0
321	Reinforced Concrete Approach Slab	SF	1976	1976	0	0	0
330	Metal Bridge Railing	LF	450	450	0	0	0



Elevation



Inventory looking north



Looking back at bent 2 pier and cap



Under clearance view





Soffit view



Span 1, right side of overhang has a transverse crack with efflorescence staining. Each span has several similar cracks with efflorescence staining.



Bent 1, girder 2: elastameric bearing. Common



Deck view



Inventory looking north



Bent 1: joint seal



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## **Routine Maintenance**

Check Box Maintenance Items

<b>Type of Maintenance</b>	<b>Is recommended?</b>
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	

**A-54 - Sealable Deck Cracks**

**A-55 - Deck Washing Needed**

**A-56 - Joint Cleaning/Flushing Needed**





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**A-57 - Girder End and Bearing Painting Needed**

**A-58 - Cap Cleaning/Flushing Needed**

**A-59 - Joint Repair Needed**

**A-60 - Full Girder 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**

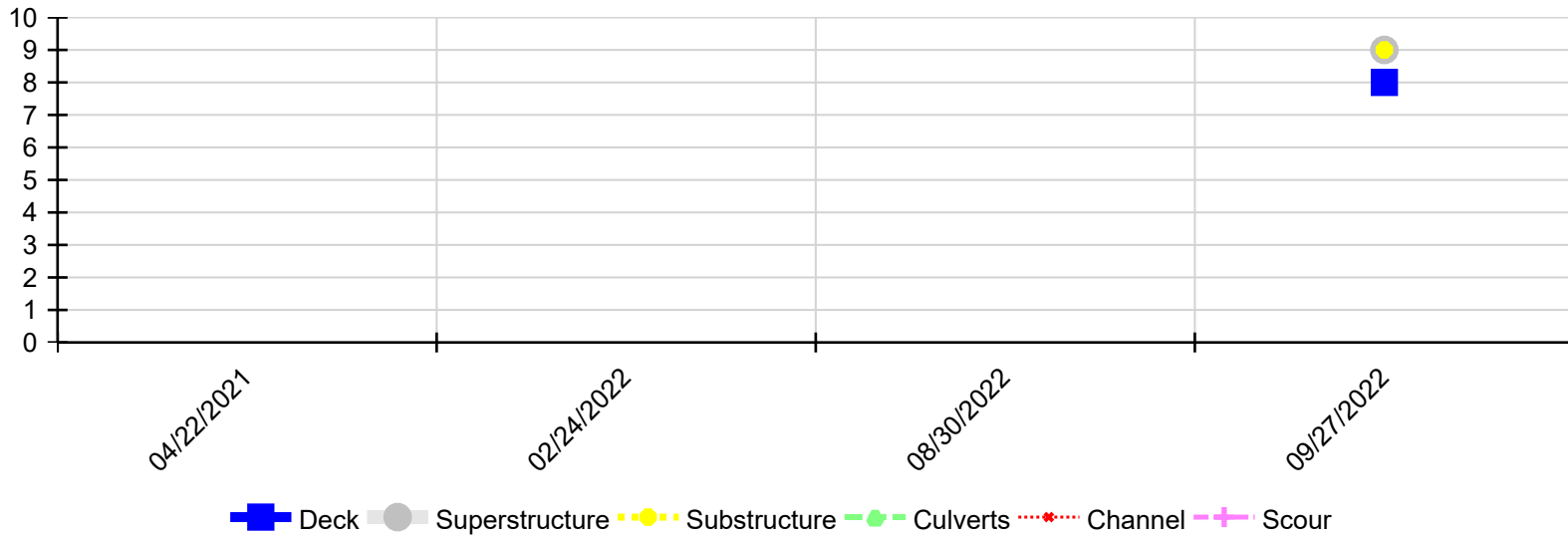




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### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
09/27/2022	8	9	9	N	N	N
08/30/2022	N	N	N	N	N	N
02/24/2022	N	N	N	N	N	N
04/22/2021	N	N	N	N	N	N