



Latitude:33.81155, Longitude:-93.38487

Route:19 Section:05 Log:0.3

Arnold Road ID:50x19x5xA, Arnold Log mile:0.299

District 03, 99 - Nevada County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

Bridge Posting Information

41 - Structure Open/Posted/Closed: A - Open, no restriction

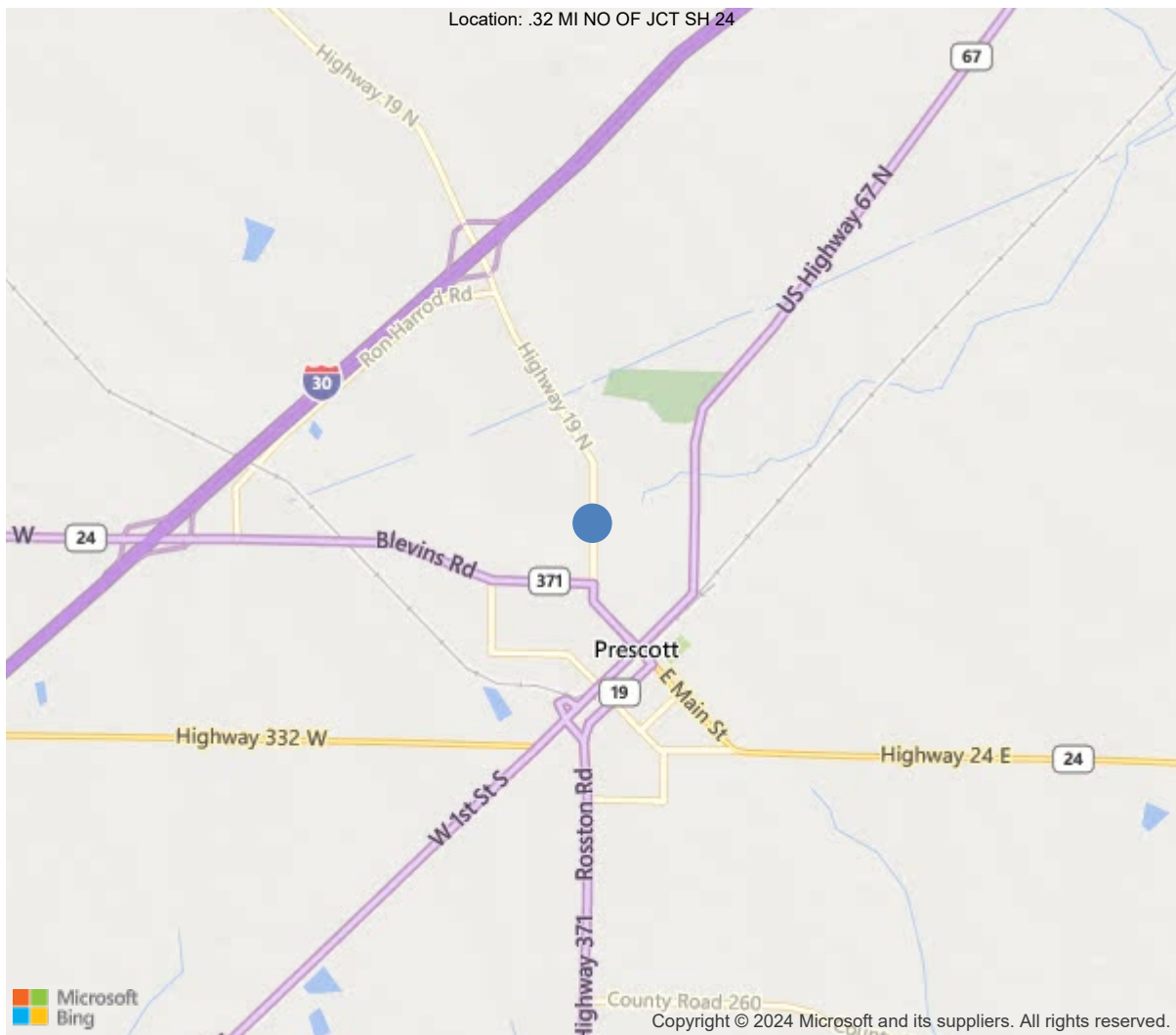
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	50		
Code 5 (40 Tons)	60		

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



33.81155, -93.38487



Asset #05876(Routine)

SH 19 - 05 - 0.30 over GARLAND CREEK

Location: .32 MI NO OF JCT SH 24

Team Lead: John King Inspection Date: 10/03/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	05876
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	99 - Nevada County
(4) Place Code	57260
(6) Features Intersected	GARLAND CREEK
(7) Facility Carried	SH 19 - 05 - 0.30
(9) Location	.32 MI NO OF JCT SH 24
(11) Mile Point	0.3 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000
(16) Latitude	33.81155
(17) Longitude	-93.38487
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1 - Concrete
Type	1 - Slab
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1985
(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	2604
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	105 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43 ft
(32) Approach Roadway Width (W/Shoulders)	40 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	41.3 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	6 - Rural Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(102) Direction of Traffic	2 - 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	7
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	7
(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	7
(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	5 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	132 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 168
(96) Total Project Cost	\$ 510
(97) Year of Improvement Cost Estimate	1998
(114) Future ADT	2566
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	10/03/2023		
(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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Location: .32 MI NO OF JCT SH 24

Team Lead: John King Inspection Date: 10/03/2023

General Observation

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

Bridge deck is & good due to minor cracking in Coners of beck and cracking on bottom side of slab.

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

Bottom side of slab in good condition due to minor crackling with efflorescence spans 1,2,3

60 - Substructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

Sub is 6 satisfactory condition due to spalling on cap at bent 2 and steel encasement rusting with section loss at water line.
Bent 3 has minor crack in cap span 3 side

61 - Channel/Channel Protection (7 - Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift.)
banks are in good condition both up and down stream side of bridge..

A-27 - Job Number (3940)

BRIDGE BUILT ON JOB 3940 LAYOUT DRAWING # 23707

A-59 - Joint Repair Needed (Yes)

All joints need cleaned and resealed.



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	4515	4419	96	0	0
1080	Delamination/Spall/Patched Area	SF	6	0	6	0	0
1120	Efflorescence/Rust Staining	SF	60	0	60	0	0
1130	Cracking (RC and Other)	SF	30	0	30	0	0
(38) All Coners of slab has cracking top side of deck see photo below. Efflorescence span 1 right side at bent 2 Efflorescence span 2 at bent 3 Efflorescence span 3 center of bridge 32 ft long crack All 4 corners at bent 2&3 are spalled and or cracking on outside edge of slab units.							
218	Other Abutment	LF	100	100	0	0	0
225	Steel Pile	EA	16	0	16	0	0
1000	Corrosion	EA	16	0	16	0	0
(225) Concrete encased steel Rusting on all steel incased piles has rusting on the bottom next to water							
234	Reinforced Concrete Pier Cap	LF	143	126	17	0	0
1080	Delamination/Spall/Patched Area	LF	15	0	15	0	0
1120	Efflorescence/Rust Staining	LF	2	0	2	0	0
(234) 15 feet of cap is spalled at top of cap 0 to 3" in depth no rebar exposed per 2015 inspection. Cracking with efflorescence bent 3 cap span 3 side between pile 2&3							
301	Pourable Joint Seal	LF	160	0	0	160	0
2310	Leakage	LF	160	0	0	160	0
(301) Joints need cleaned and resealed							
331	Reinforced Concrete Bridge Railing	LF	210	210	0	0	0
(331) Concrete parapet wall are in good condition.							



10/23 elevation



Spall on cap bent 2 span 2 Of steel encasements



Cracking with efflorescence bent 3 cap span 3 side between pile 2&3



Efflorescence span 3 center of bridge 32 ft long crack



All 4 corners at bent 2&3 are spalled and or cracking



Spall on cap at bent 2 span 2 left side of cap.



Typical photo of steel encasing rusting at water line.



Typical photo of bent 2&3



Span 2 bottom side with efflorescence on left side bridge at bent 3



Span 1 bottom side



Channel photo left side



Channel photo right side



Efflorescence span 2 at bent 3



Bent 2 steel encasing rusting at water line



Efflorescence span 1 right side at bent 2



Efflorescence span 1 right side at abutment 1



10/03/2023

Abutment 1



10/03/2023

Cracking span 1 right side cracking



10/03/2023

Bent 3 joint photo



10/03/2023

Bent 3 joint photo



Right side end bridge cracking photo



Left side end of bridge cracking close up photo



Left side end of bridge cracking



Typical photo of parapet wall



10/03/2023

Joints need cleaned and resealed



10/03/2023

Joints need cleaned and resealed



10/03/2023

Deck photo



10/03/2023

10/23 alignment



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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	Yes
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

A-57 - Girder End and Bearing Painting Needed

A-58 - Cap Cleaning/Flushing Needed

A-59 - Joint Repair Needed (Yes)
All joints need cleaned and resealed.



Bent 3 joint photo



Joints need cleaned and resealed

A-60 - Full Girder Painting Needed

A-61 - Polymer Overlay Advised

A-62 - Hydro and LMC Advised

A-63 - Missing/Incorrect Log Mile Signage



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A-64 - Vegetation Removal Requested



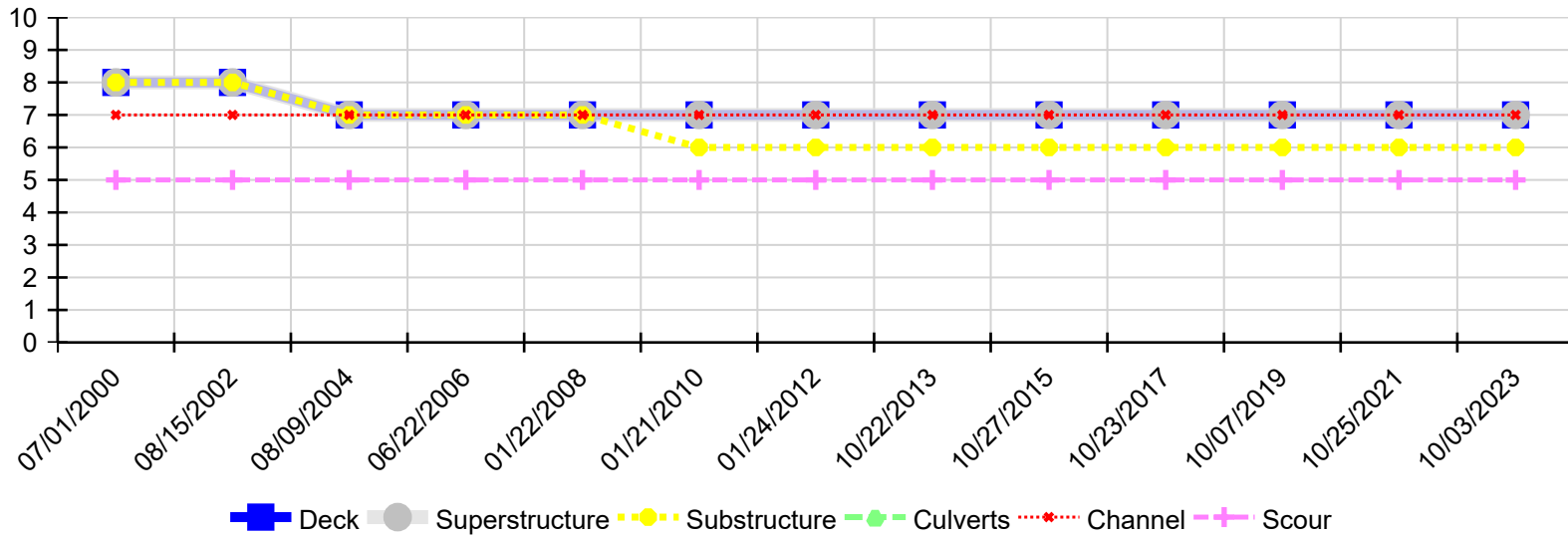
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
10/03/2023	7	7	6	N	7	5
10/25/2021	7	7	6	N	7	5
10/07/2019	7	7	6	N	7	5
10/23/2017	7	7	6	N	7	5
10/27/2015	7	7	6	N	7	5
10/22/2013	7	7	6	N	7	5
01/24/2012	7	7	6	N	7	5
01/21/2010	7	7	6	N	7	5
01/22/2008	7	7	7	N	7	5
06/22/2006	7	7	7	N	7	5
08/09/2004	7	7	7	N	7	5
08/15/2002	8	8	8	N	7	5
07/01/2000	8	8	8	N	7	5