



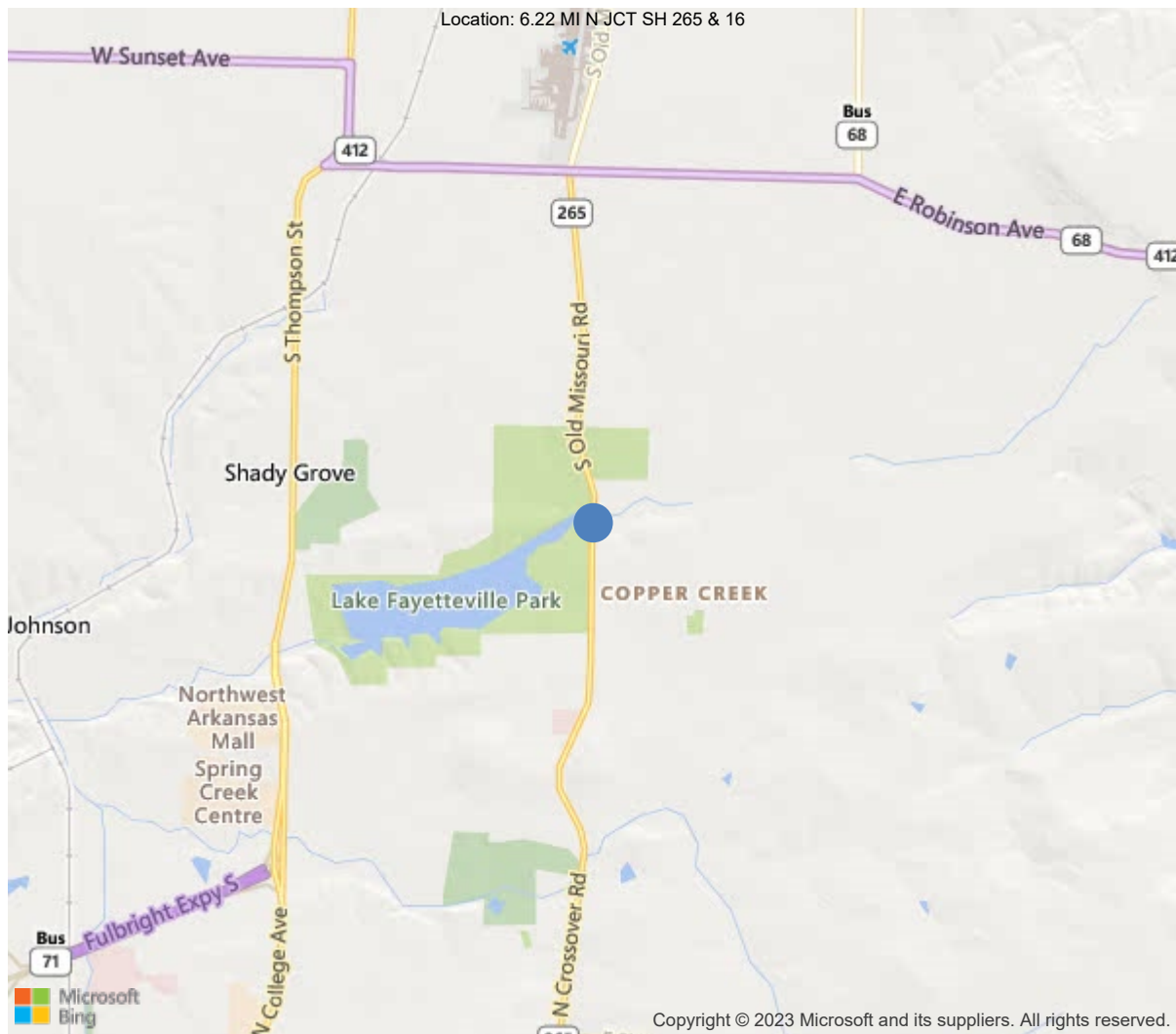
Latitude:36.14186, Longitude:-94.11763

Route:00265 Section:02 Log:6.22

Arnold Road ID:72x265x2xA, Arnold Log mile:6.251

District 04, 143 - Washington County

Owner: 1 - State Highway Agency



36.14186, -94.11763



Asset #000000000007229(Routine, Underwater type 2)

SH 265-Wash Co. over Clear Creek

Location: 6.22 MI N JCT SH 265 & 16

Team Lead: Eric West, Inspection Date: 06/26/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07229
(5) Inventory Route	1
(2) Highway Agency District	04 - District 04
(3) County Code	143 - Washington County
(4) Place Code	23290
(6) Features Intersected	Clear Creek
(7) Facility Carried	SH 265-Wash Co.
(9) Location	6.22 MI N JCT SH 265 & 16
(11) Mile Point	6.22 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000265020
(16) Latitude	36.14186
(17) Longitude	-94.11763
(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	5
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2015
(106) Year Reconstructed	0
(42) Type of Service	55
On	5 - Highway-pedestrian
Under	5 - Waterway
(28) Lane	
On	4
Under	0
(29) Average Daily Traffic	19000
(30) Year of ADT	2018
(109) Truck ADT	3 %
(19) Bypass, Detour Length	6 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	40 ft
(49) Structure Length	202.1 ft
(50) Curb or Sidewalk Width	
Left	6.5 ft
Right	6.5 ft
(51) Bridge Roadway Width Curb to Curb	40.2 ft
(52) Deck Width Out to Out	100.8 ft
(32) Approach Roadway Width (W/Shoulders)	72.7 ft
(33) Bridge Median	2 - Closed median(no
(34) Skew	0 Deg
(35) Structure Flared	1 - Yes, flared
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 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	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	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 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	7
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A - HL93
(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	7
(68) Deck Geometry	2
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	26000
(115) Year of Future ADT	2032

INSPECTIONS *			
(90) Inspection Date	06/26/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<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 #000000000007229(Routine, Underwater type 2)

District: 04, County: 143 - Washington County

Team Lead: Eric West, Inspection Date: 06/26/2023

General Observation

06/26/2023 - EJW & JPW - Routine and Underwater Type II Inspection conducted on this date.

05/18/2021 - RSM & SPC: Routine inspection conducted this date. See element notes for documentation.

06/20/2019 - TJL - Elements were plan verified on this date. 06/20/2019 - JCJ & TJL - Type 2 Underwater Inspection - Visual observations during low water conditions indicate that there are no apparent scour problems during this inspection. Plans indicate that the columns for the intermediate bents are concrete encased steel pilings. Steel piling have been pre-bored a minimum of 3' into solid limestone and set in concrete.

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

Columns: Bent # 4 Column # 12 has minor concrete section loss possibly from dirt in the forms during the construction process. Pier Caps: No apparent noteworthy problems at this inspection. Abutments: Transverse cracks typical in the tops of both backwalls.

61 - Channel/Channel Protection (8 - Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.)

06/26/2023 - EJW & JPW - Underwater Type II Inspection conducted on this date. Visual observation with low clear water conditions indicate no apparent scour problems at this inspection.

A-15 - Late Reason (Optimize Schedule)

06/26/2023 - EJW - Structure inspected late due to heavy work load.

A-46 - Asset Files

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A-54 - Sealable Deck Cracks (Y)

-Driving surface of the deck has numerous sealable transverse, longitudinal, and diagonal cracks. Several of the cracks are visible in the undersurface with light efflorescence. There are several moderate width longitudinal cracks that extend the majority of the length of the structure.

A-59 - Joint Repair Needed (Y)

-The poured joint sealant at abutment # 2 expansion joint has a few short duration areas of full depth adhesion failure in the Southbound lanes.



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SH 265-Wash Co. over Clear Creek

Location: 6.22 MI N JCT SH 265 & 16

Team Lead: Eric West, Inspection Date: 06/26/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	18972	16812	2160	0	0
1120	Efflorescence/Rust Staining	SF	606	0	606	0	0
1130	Cracking (RC and Other)	SF	1554	0	1554	0	0
(38) -Driving surface of the deck has numerous sealable transverse, longitudinal, and diagonal cracks. Several of the cracks are visible in the undersurface with light efflorescence. There are several moderate width longitudinal cracks that extend the majority of the length of the structure. -There is a vertical crack with efflorescence in the right exterior edge of span # 5 located approximately 30" from the centerline of a bent # 5. -There are horizontal hairline crack in the left and right exterior fascia of the slab over the intermediate bents in several locations. The cracks extend approximately 4' in length. -There is a shear type hairline crack in the left & Rt exterior edge of span # 3 adjacent to bent # 4. -There are diagonal / radial cracks in the corners of the driving surface of the deck adjacent to the joints over the bents.							
215	Reinforced Concrete Abutment	LF	217	137	80	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1120	Efflorescence/Rust Staining	LF	29	0	29	0	0
1130	Cracking (RC and Other)	LF	48	0	48	0	0
(215) -The tops of the backwalls have numerous transverse cracks. -Abutment # 1 has a couple of shallow spalls with no exposed reinforcing steel adjacent to the key way located approximately 10' left of centerline. -The left end of abutment # 1 has a vertical crack with efflorescence. -Abutment # 2 has efflorescence in the cap and brown staining at the key ways.							
225	Steel Pile	EA	61	61	0	0	0
515	Steel Protective Coating	SF	2714	2702	12	0	0
7000	Damage	EA	12	0	12	0	0
(225) -There are 61 Concrete encased piling at the intermediate bents. -Plans indicate that the columns for the intermediate bents are concrete encased steel pilings. Steel piling have been pre-bored a minimum of 3' into solid limestone and set in concrete. -Bent # 2 has 16 piling. -Bents # 3, 4, & 5 have 15 piling each. -Concrete encasement at bent # 3, pile # 1 has a hairline vertical crack approximately 4' long in upper portion of column. The piling concrete encasement at a few other random locations have short duration hairline vertical cracks. -Concrete encasement at bent # 4, column # 1 has a shallow 3" spall in the backface. -Bent # 3, pile # 15 has light abrasion in the concrete encasement at the water elevation. -Bent # 4 pilings # 2 & 12 have minor concrete deterioration / section loss at the base of the concrete encasement.							
234	Reinforced Concrete Pier Cap	LF	389	366	23	0	0
1120	Efflorescence/Rust Staining	LF	15	0	15	0	0
1130	Cracking (RC and Other)	LF	8	0	8	0	0
(234) -There are areas with efflorescence on the intermediate bent caps. -The intermediate bent caps have insignificant hairline vertical cracks, the majority of the cracks are in the Lt half of the caps.							
301	Pourable Joint Seal	LF	191	132	20	36	3
2310	Leakage	LF	31	0	0	31	0

Asset #000000000007229(Routine, Underwater type 2)



Asset #000000000007229(Routine, Underwater type 2)
SH 265-Wash Co. over Clear Creek
Location: 6.22 MI N JCT SH 265 & 16
Team Lead: Eric West, Inspection Date: 06/26/2023

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Asset #00000000007229(Routine, Underwater type 2)

SH 265-Wash Co. over Clear Creek

Location: 6.22 MI N JCT SH 265 & 16

Team Lead: Eric West, Inspection Date: 06/26/2023

Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	217	137	80	0	0
1080	Delamination/Spall/Patched Area	LF	3	0	3	0	0
1120	Efflorescence/Rust Staining	LF	29	0	29	0	0
1130	Cracking (RC and Other)	LF	48	0	48	0	0
(215) -The tops of the backwalls have numerous transverse cracks. -Abutment # 1 has a couple of shallow spalls with no exposed reinforcing steel adjacent to the key way located approximately 10' left of centerline. -The left end of abutment # 1 has a vertical crack with efflorescence. -Abutment # 2 has efflorescence in the cap and brown staining at the key ways.							
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(225) -There are 61 Concrete encased piling at the intermediate bents. -Plans indicate that the columns for the intermediate bents are concrete encased steel pilings. Steel piling have been pre-bored a minimum of 3' into solid limestone and set in concrete. -Bent # 2 has 16 piling. -Bents # 3, 4, & 5 have 15 piling each. -Concrete encasement at bent # 3, pile # 1 has a hairline vertical crack approximately 4' long in upper portion of column. The piling concrete encasement at a few other random locations have short duration hairline vertical cracks. -Concrete encasement at bent # 4, column # 1 has a shallow 3" spall in the backface. -Bent # 3, pile # 15 has light abrasion in the concrete encasement at the water elevation. -Bent # 4 pilings # 2 & 12 have minor concrete deterioration / section loss at the base of the concrete encasement.							
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Comment: Columns: Bent # 4 Column # 12 has minor concrete section loss possibly from dirt in the forms during the construction process. Pier Caps: No apparent noteworthy problems at this inspection. Abutments: Transverse cracks typical in the tops of both backwalls.

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Comment: 06/26/2023 - EJW & JPW - Underwater Type II Inspection conducted on this date. Visual observation with low clear water conditions indicate no apparent scour problems at this inspection.



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Location: 6.22 MI N JCT SH 265 & 16
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Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Elevation



Roadway



Typical driving surface.



Span # 1 typical undersurface.



Span # 2 typical undersurface.



Span # 3 typical undersurface.



Span # 4 typical undersurface.



Span # 5 typical undersurface.



Abutment # 1 typical.



Bent # 2 typical.



Bent # 3 typical.



Bent # 4 typical.



Bent # 5 typical.



Abutment # 2 typical.



Failing joint sealant.



Typical shear type cracking in the edge of the slab over the intermediate bents.



Abutment # 2 typical joint seal.



Abutment # 1 joint seal.



Abutment # 2 joint seal adhesion failure.



Abutment # 2 joint seal adhesion failure.



Sealable deck cracking.

Maintenance Needs

Date Reported: 05/19/2021

Priority: D- Routine

Type of Work: Repair (General)

Status: Monitor

Component: Element

Deficiency Description

Abutment # 2 Expansion Joint -

The poured joint sealant at abutment # 2 expansion joint has a few short duration areas of full depth adhesion failure in the Southbound lanes

Remarks

06/26/2023 - EJW - Deficiency is now documented under Routine Maintenance tab A59.



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Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
A-54 - Sealable Deck Cracks	Yes
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	



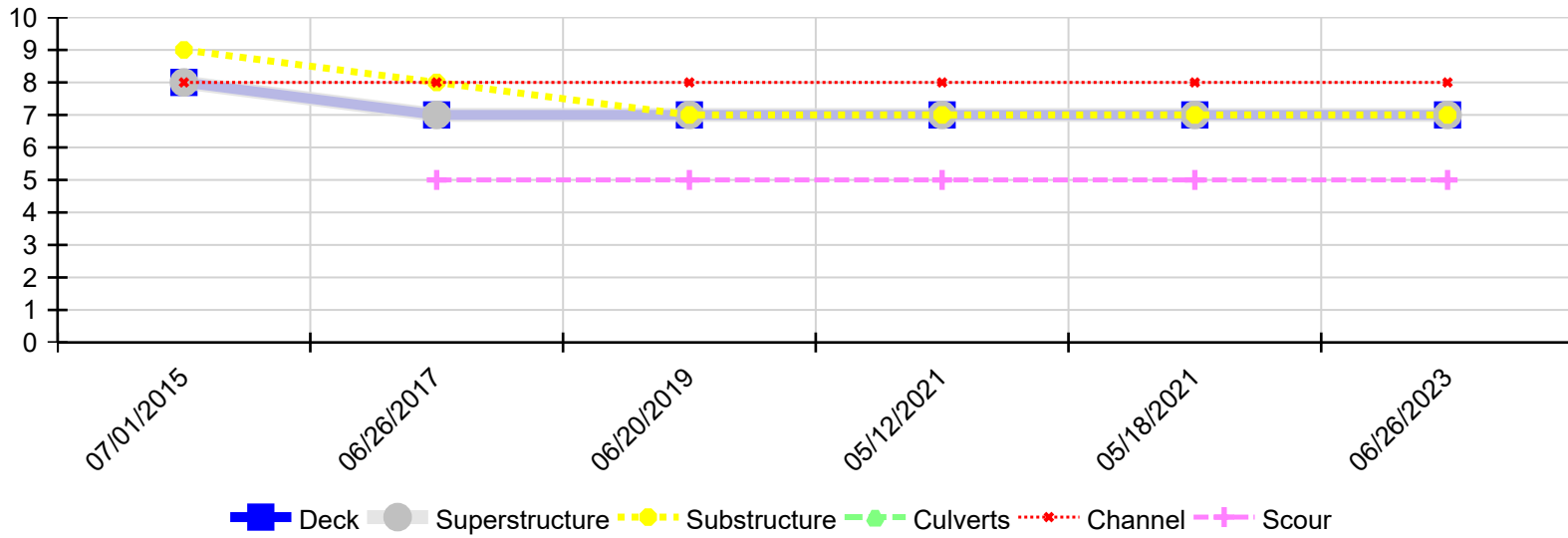
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Team Lead: Eric West, Inspection Date: 06/26/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/26/2023	7	7	7	N	8	5
05/18/2021	7	7	7	N	8	5
05/12/2021	7	7	7	N	8	5
06/20/2019	7	7	7	N	8	5
06/26/2017	7	7	8	N	8	5
07/01/2015	8	8	9	N	8	N