



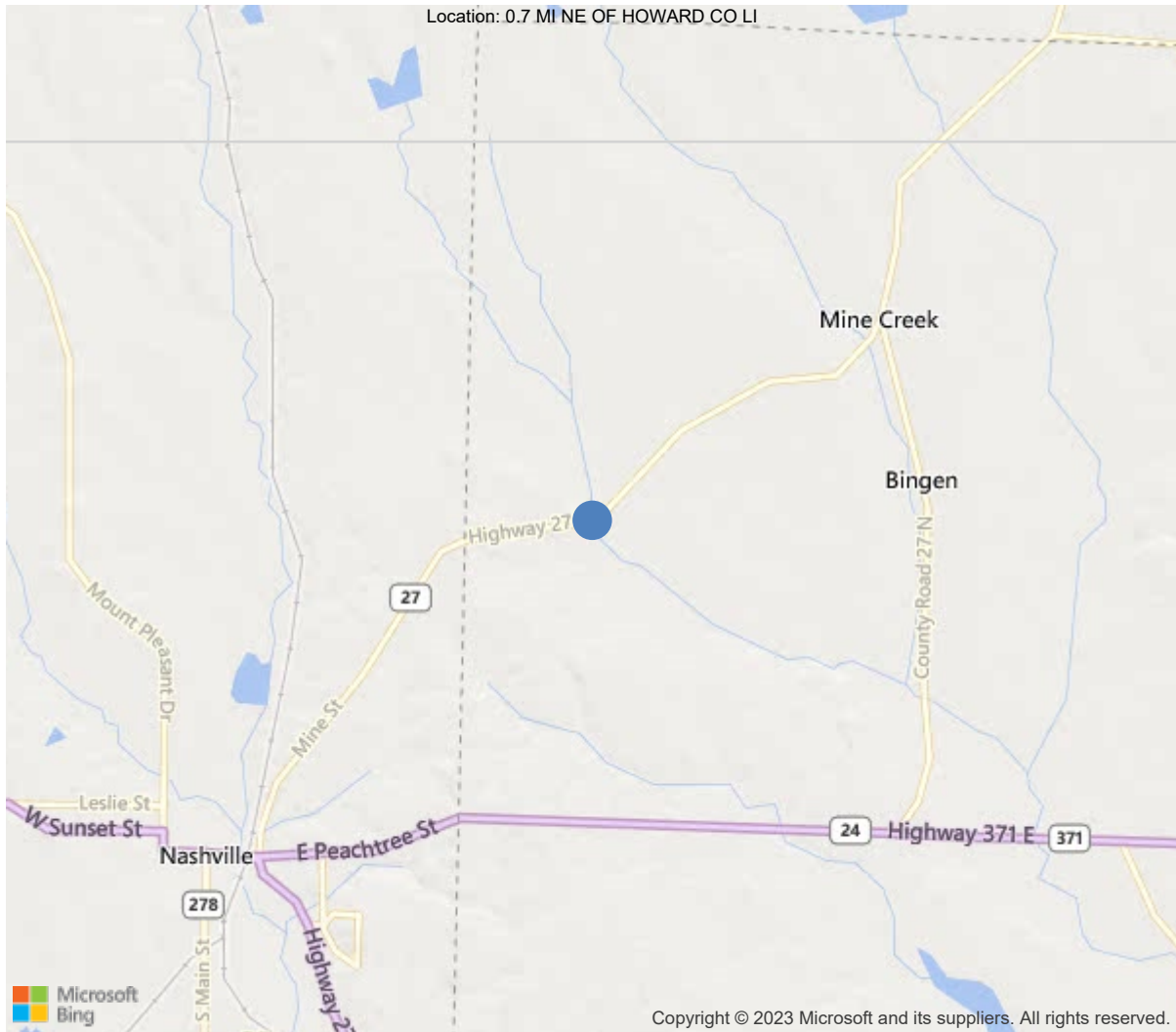
Latitude:33.97240, Longitude:-93.81302

Route:27 Section:03 Log:0.67

Arnold Road ID:29x27x3xA, Arnold Log mile:0.65

District 03, 57 - Hempstead County

Owner: 1 - State Highway Agency



33.97240, -93.81302



Asset #06418(Routine, Underwater type 2)

SH 27 SEC 3 - 0.67 over CARY CREEK

Location: 0.7 MI NE OF HOWARD CO LI

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06418
(5) Inventory Route	1
(2) Highway Agency District	03 - District 03
(3) County Code	57 - Hempstead County
(4) Place Code	0
(6) Features Intersected	CARY CREEK
(7) Facility Carried	SH 27 SEC 3 - 0.67
(9) Location	0.7 MI NE OF HOWARD CO LI
(11) Mile Point	0.67 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000002703
(16) Latitude	33.9724
(17) Longitude	-93.81302
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	14
Material	1 - Concrete
Type	4 - Tee beam
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	6
(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	1994
(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	3600
(30) Year of ADT	2014
(109) Truck ADT	12 %
(19) Bypass, Detour Length	25 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	25 ft
(49) Structure Length	150 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	42.8 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 exists
(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	7
(61) Channel & Channel Protection	8
(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	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	7
(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	4367
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	01/11/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
* 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.			



Asset #06418(Routine, Underwater type 2)

District: 03, County: 57 - Hempstead County

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

General Observation

-01/05/2018...AL, SS, DEF. PHOTOS TAKEN. JOINTS NEED TO BE CLEANED AND SEALED ALL SPANS...BRIDGE BUILT ON JOB R30014 LAYOUT SHEET DRAWING 32148.....BM in northeast wing....1/3/2020...AL, SS, Deck, Def. Photos taken. Little or no change in condition...1/11/2022 AL,SS,DEF,AND SOUNDINGS TAKEN....

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

BRIDGE BUILT ON JOB R30014 LAYOUT SHEET DRAWING 32148...BM in northeast wing....01/05/2018...AL, SS, DEF. PHOTOS TAKEN. JOINTS NEED TO BE CLEANED AND SEALED ALL SPANS...

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

Footing: PAINTED STEEL PILES,BT 5 PILE 1 DAMAGE OR BENT

Steel piling on bridge bents has rust in different areas and oxide film or chalking of paint

A-46 - Asset Files

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Asset #06418(Routine, Underwater type 2)

SH 27 SEC 3 - 0.67 over CARY CREEK

Location: 0.7 MI NE OF HOWARD CO LI

Team Lead: Charlie Rogers, **Inspection Date:** 01/11/2022

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6420	6155	260	5	0
1080	Delamination/Spall/Patched Area	SF	5	0	0	5	0
1120	Efflorescence/Rust Staining	SF	200	0	200	0	0
1130	Cracking (RC and Other)	SF	60	0	60	0	0
(12) CONCRETE DECK HAS COATED BARS 200 LF OF EFFLORESCENCE THROUGHOUT ALL SPANS							
110	Reinforced Concrete Open Girder/Beam	LF	750	750	0	0	0
215	Reinforced Concrete Abutment	LF	127	127	0	0	0
225	Steel Pile	EA	25	8	17	0	0
1000	Corrosion	EA	15	0	15	0	0
7000	Damage	EA	2	0	2	0	0
515	Steel Protective Coating	SF	1050	0	750	300	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	EA	750	0	750	0	0
3440	Effectiveness (Steel Protective Coatings)	EA	300	0	0	300	0
(225) BENT 5 PILE 1 HAS DAMAGE FROM IMPACT (PILE IS BENT) ABOUT 2' AREA							
234	Reinforced Concrete Pier Cap	LF	215	215	0	0	0
331	Reinforced Concrete Bridge Railing	LF	300	300	0	0	0



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Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	6420	6155	260	5	0
1080	Delamination/Spall/Patched Area	SF	5	0	0	5	0
1120	Efflorescence/Rust Staining	SF	200	0	200	0	0
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Comment: BRIDGE BUILT ON JOB R30014 LAYOUT SHEET DRAWING 32148...BM in northeast wing....01/05/2018...AL, SS, DEF. PHOTOS TAKEN. JOINTS NEED TO BE CLEANED AND SEALED ALL SPANS...



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Location: 0.7 MI NE OF HOWARD CO LI

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4
110	Reinforced Concrete Open Girder/Beam	LF	750	750	0	0	0



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	127	127	0	0	0
225	Steel Pile	EA	25	8	17	0	0
1000	Corrosion	EA	15	0	15	0	0
7000	Damage	EA	2	0	2	0	0
515	Steel Protective Coating	SF	1050	0	750	300	0
3430	Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)	EA	750	0	750	0	0
3440	Effectiveness (Steel Protective Coatings)	EA	300	0	0	300	0
(225) BENT 5 PILE 1 HAS DAMAGE FROM IMPACT (PILE IS BENT) ABOUT 2' AREA							
234	Reinforced Concrete Pier Cap	LF	215	215	0	0	0

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

Comment:

Footing: PAINTED STEEL PILES,BT 5 PILE 1 DAMAGE OR BENT

Steel piling on bridge bents has rust in different areas and oxide film or chalking of paint



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Location: 0.7 MI NE OF HOWARD CO LI

Team Lead: Charlie Rogers, **Inspection Date:** 01/11/2022

Culvert

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



Ss



Substructure



Under photo



Cracking in the deck



Deck



AI



Deck



Underside of deck typical all spans



Alignment



SS

Maintenance Needs

Date Reported: 01/05/2018

Priority: (Inactive) (Inactive) G - General/
Preventive maintenance

Status: Monitor

Type of Work: (Inactive) (Inactive) 9 - None

Component:

Deficiency Description

JOINTS NEED TO BE CLEANED AND SEALED ALL SPANS

Remarks



JOINTS NEED TO BE CLEANED AND SEALED ALL
SPANS



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Location: 0.7 MI NE OF HOWARD CO LI

Team Lead: Charlie Rogers, **Inspection Date:** 01/11/2022

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	



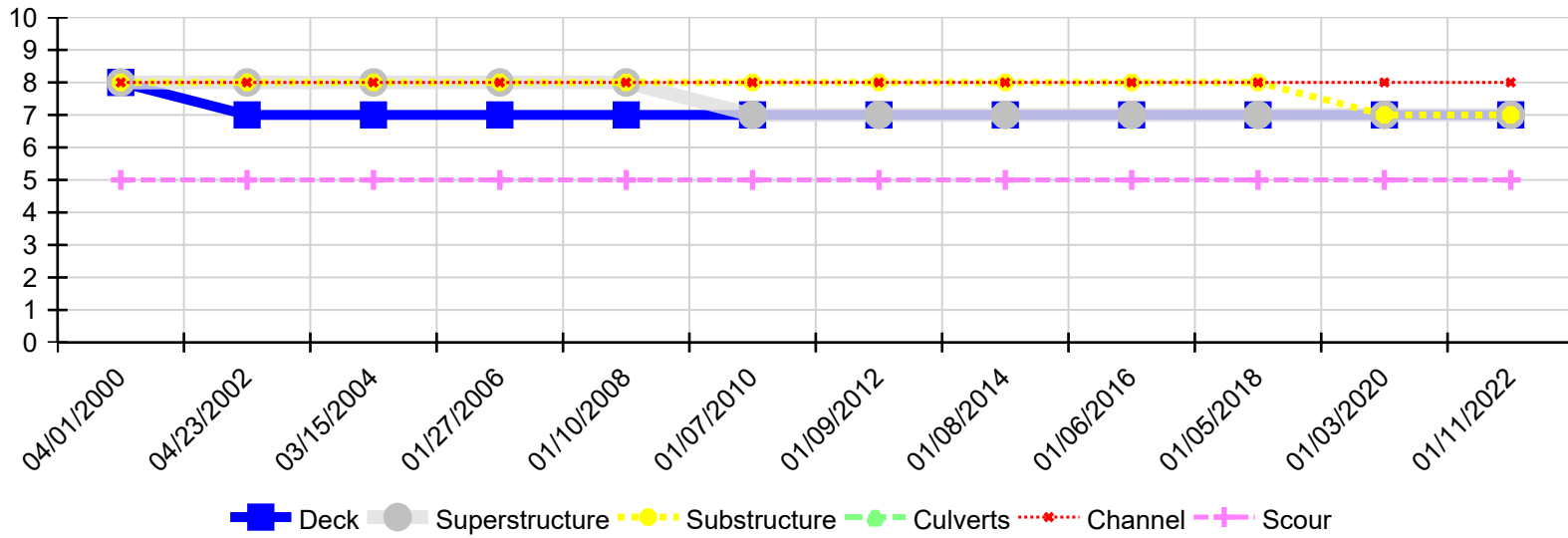
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Location: 0.7 MI NE OF HOWARD CO LI

Team Lead: Charlie Rogers, Inspection Date: 01/11/2022

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
01/11/2022	7	7	7	N	8	5
01/03/2020	7	7	7	N	8	5
01/05/2018	7	7	8	N	8	5
01/06/2016	7	7	8	N	8	5
01/08/2014	7	7	8	N	8	5
01/09/2012	7	7	8	N	8	5
01/07/2010	7	7	8	N	8	5
01/10/2008	7	8	8	N	8	5
01/27/2006	7	8	8	N	8	5
03/15/2004	7	8	8	N	8	5
04/23/2002	7	8	8	N	8	5
04/01/2000	8	8	8	N	8	5