

Bridge Inspection Report

00515
US 64/sec15/L6.52
over
BRUSHY CREEK



Inspection Date:

Inspected By:

Inspection Type(s):



Inspector:

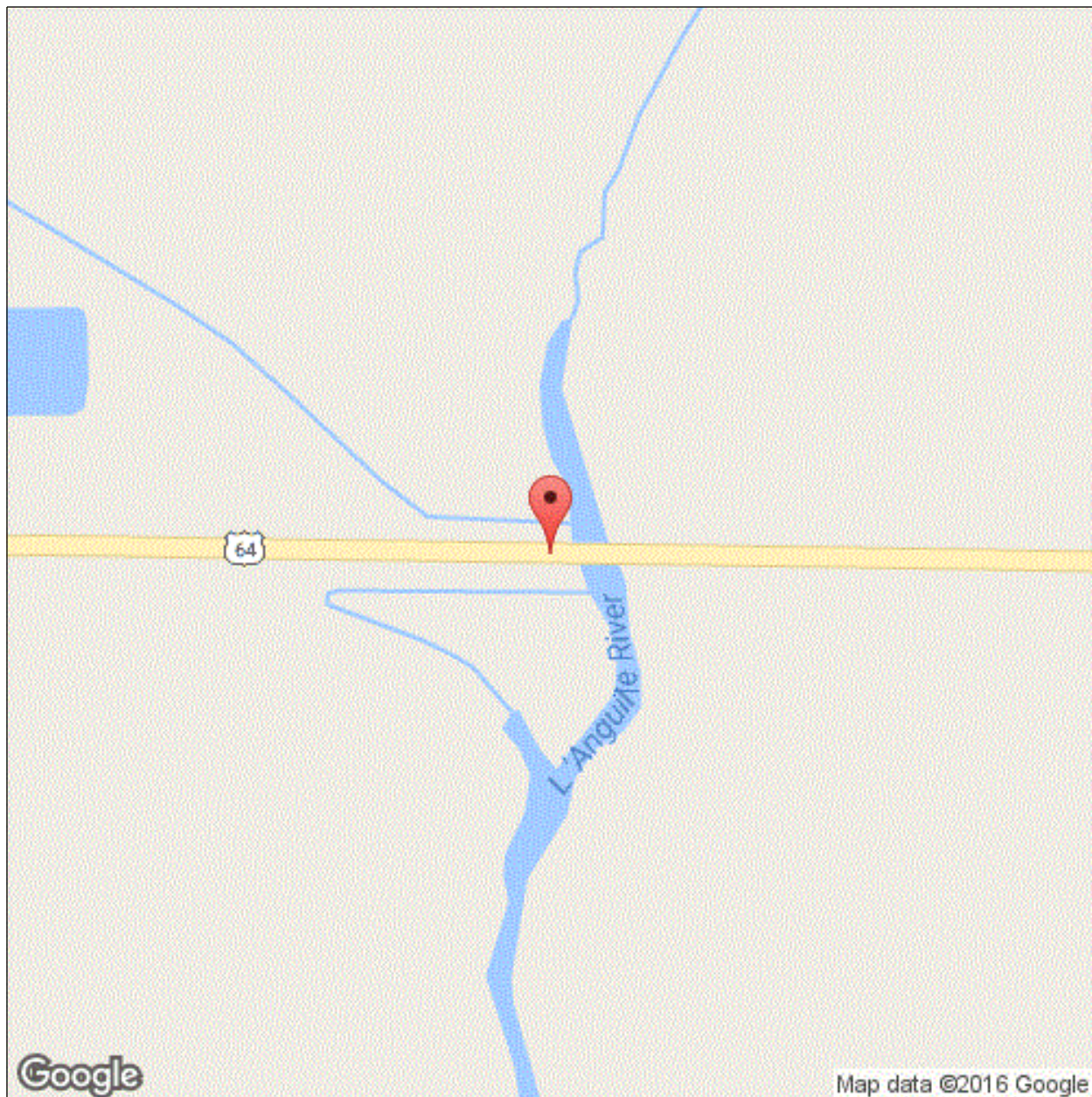
Structure Number: 00515

Inspection Date:

Facility Carried: US 64/sec15/L6.52

Bridge Inspection Report

Location Map



Latitude: 35.251648

Longitude: -90.925751

Inspector:

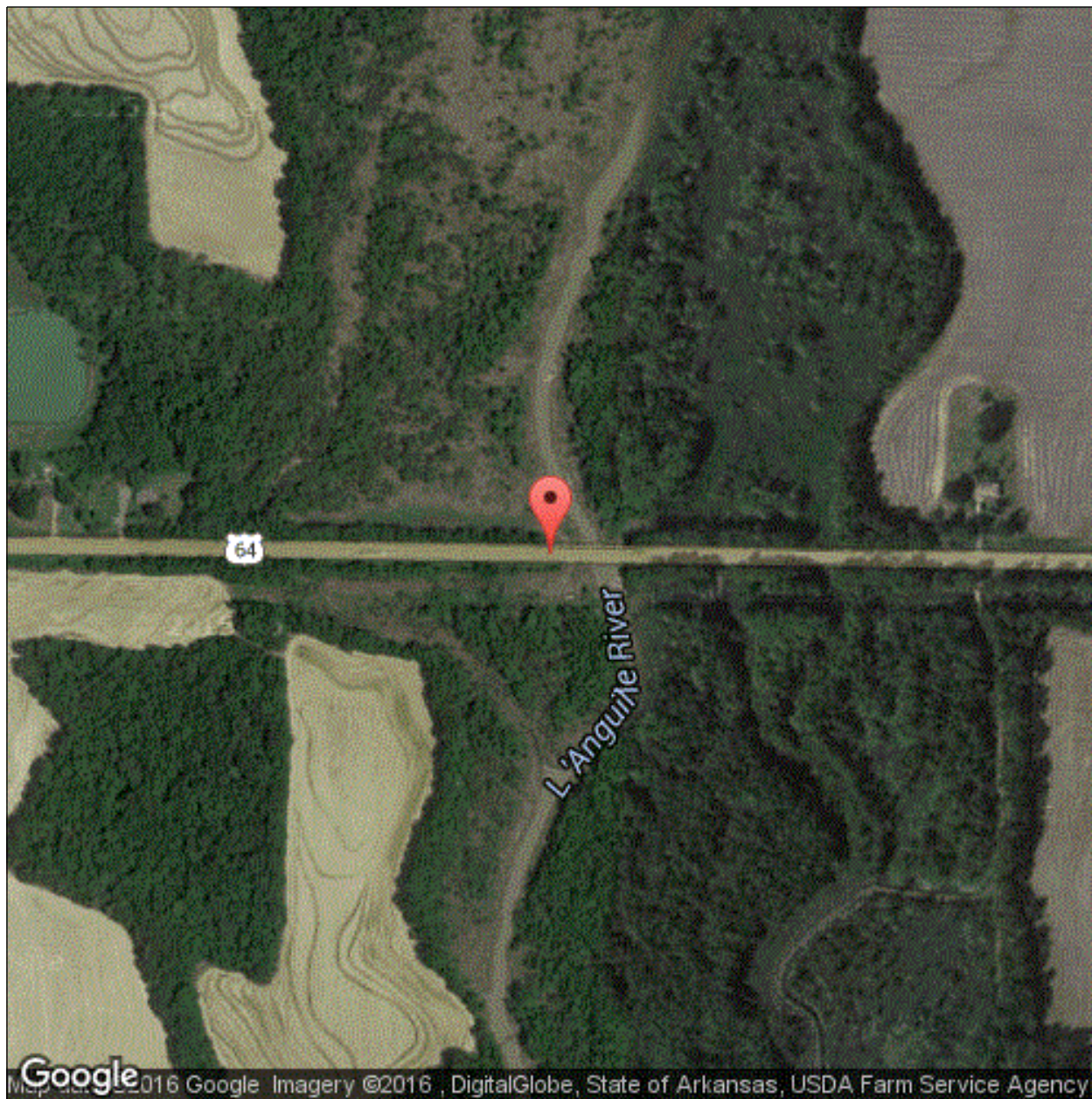
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Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	06/15/2016
(8) STRUCTURE NUMBER	00515	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 2 1 64 0	(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
(2) HIGHWAY AGENCY	01 (3) COUNTY CODE 037	A. FRACTURE CRITICAL DETAIL	N
(4) PLACE CODE	74540	B. UNDERWATER INSPECTION	N
(6) FEATURES INTERSECTED	BRUSHY CREEK	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	US 64/sec15/L6.52	CONDITION	
(9) LOCATION	3.91 MI W OF JCT SH 193 N	(58) DECK	7
(11) MILEPOINT 6.52	(12) BASE HIGHWAY NETWORK 1	(59) SUPERSTRUCTURE	7 (60) SUBSTRUCTURE 7
(13A) LRS INVENTORY ROUTE	0000064150 (13B) SUBROUTE NUMBER 00	(61) CHANNEL & CHANNEL PROTECTION	8 (62) CULVERT N
(16) LATITUDE 35.251648	(17) LONGITUDE -90.925751	LOAD RATING AND POSTING	
(98A) BORDER BRIDGE CODE		(31) DESIGN LOAD	5
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT	(63) METHOD USED TO DETERMINE OPERATING RATING	1
STRUCTURE TYPE AND MATERIAL		(64) OPERATING RATING	60.0
(43) STRUCTURE TYPE, MAIN		(65) METHOD USED TO DETERMINE INVENTORY RATING	1
A) KIND OF MATERIAL/DESIGN:	1 - Concrete	(66) INVENTORY RATING	36.0
B) TYPE OF DESIGN/CONSTR:	01 - Slab	(70) BRIDGE POSTING	5
(44) STRUCTURE TYPE, APPROACH SPANS		(41) STRUCTURE OPEN/POSTED/CLOSED	A
A) KIND OF MATERIAL/DESIGN:	0 - Other	APPRAISAL	
B) TYPE OF DESIGN/CONSTR:	00 - Other	(67) STRUCTURAL EVALUATION	7
(45) NUMBER OF SPANS IN MAIN	8 (46) NUMBER OF APPROACH	(68) DECK GEOMETRY	4
(107) DECK STRUCTURE TYPE	1 (108A) WEARING SURFACE	(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(108B) DECK MEMBRANE	0 (108C) DECK PROTECTION	(71) WATERWAY ADEQUACY	8
AGE OF SERVICE		(72) APPROACH ROADWAY ALIGNMENT	8
(27) YEAR BUILT	1963 (106) YEAR RECONSTRUCTED	(36) TRAFFIC SAFETY FEATURE	
(42) TYPE OF SERVICE	ON 1 UNDER 5	36A) BRIDGE RAILINGS:	0
(28) LANES	ON 02 UNDER 00	36B) TRANSITIONS:	0
(29) AVERAGE DAILY TRAFFIC	3900 (19) BYPASS DETOUR LENGTH	36C) APPROACH GUARDRAIL:	0
(30) YEAR OF AVERAGE DAILY TRAFFIC	2014	36D) APPROACH GUARDRAIL ENDS:	1
(109) AVERAGE DAILY TRUCK TRAFFIC	1	(113) SCOUR CRITICAL BRIDGES	5
GEOMETRIC DATA		SUFFICIENCY RATING	0 STATUS 79.2
(48) LENGTH OF MAX SPAN (ft.)	30 (49) STRUCTURE LENGTH (ft.)	CLASSIFICATION	
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 1.3 RIGHT 1.3	(112) NBIS BRIDGE LENGTH	Y
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	27.9	(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	33.5	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	06
(32) APPROACH ROADWAY WIDTH (ft.)	40.0	(100) STRAHNET HIGHWAY DESIGNATION	0
(33) BRIDGE MEDIAN	0 (34) SKEW (DEG.)	(101) PARALLEL STRUCTURE DESIGNATION	N
(35) STRUCTURE FLARED	0 (10) INV RTE, MIN VERT CLEAR (ft.)	(102) DIRECTION OF TRAFFIC	2
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	30.8	(103) TEMP STRUCTURE	
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	99.99	(105) FEDERAL LANDS HIGHWAYS	0
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0	(110) DESIGNATED NATIONAL NETWORK	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 99.9	(20) TOLL	3
(56) MIN LATERAL UNDER CLEARANCE (ft.)	0	(21) MAINTENANCE RESPONSIBILITY	01
PROPOSED IMPROVEMENTS		(22) OWNER	01
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(37) HISTORICAL	5
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	0	NAVIGATION DATA	
(94) BRIDGE IMPROVEMENT COST (\$)	0	(38) NAVIGATION CONTROL	0
(95) ROADWAY IMPROVEMENT COST (\$)	0	(111) PIER OR ABUTMENT PROTECTION	1
(96) TOTAL PROJECT COST	0	(39) NAV VERT CLEARANCE (ft.)	0
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(114) FUTURE ADT	4795 (115) YEAR OF FUTURE ADT	(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector:

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Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38 - Reinforced Concrete Slab	1- Ben.	8040	sq. ft.	3974	4054	12	0
	Lt. and Rt. SIDE of slab span 1 over Bt. 2 & BT. 3 LT SIDE has large cracks and shelling out with exposed rebar. All spans soffit has longitudinal cracks with some areas span 6 has light rust stains. SPAN #4, 5, 7 & 8 RIGHT SIDE SOFFIT IS CRACKED/DELAMED/SPALLED 2' WITH EXPOSED REBAR AT DECK DRAIN. SPAN #6 LEFT & RIGHT SIDE SOFFIT IS CRACKED/DELAMED/SPALLED 2' WITH EXPOSED REBAR AT DECK DRAIN. Wearing surface is cracked transverse at all bents. Span 4 and 5 right curb has several pieces of rebar exposed. Sides of slabs have vertical flexure cracks spaced 2' apart. 2' of small delams in soffit of every span.						
1080 - Delamination/Spall/Patched Area		16			16		
1090 - Exposed Rebar		18			18		
1120 - Efflorescence/Rust Staining		12				12	
1130 - Cracking (RC and Other)		4020			4020		
510 - Wearing Surfaces		6720	sq. ft.	6468	0	252	0
3220 - Crack (Wearing Surface)		252				252	
215 - Reinforced Concrete Abutment	1- Ben.	82	ft.	82			
227 - Reinforced Concrete Pile	1- Ben.	35	each	0	35	0	0
	BENT #4 COLUMN #4 RIGHT SIDE HAS 1' VERTICAL CRACK. BENT #5 COLUMN #5 HAS 1' VERTICAL CRACK ON AHEAD FACE. All piles have abrasion with no loose aggregate.						
1190 - Abrasion/Wear (PSC/RC)		35			35		

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Element Inspection

234 - Reinforced Concrete Pier Cap	1- Ben.	231	ft.	205	23	3	0
BT. #2 BACK FACE & BOTTOM BETWEEN PILES 3 & 5 SPALLED W / EXP. REBAR & MINOR SECT.LOSS Bt. #3 BACK FACE SPAN #2 LT. & RT. ENDS HAVE 2' SPALLS WITH EXPOSED REBAR. BENT #4 BOTTOM OF CAP AT PILE #4 & 5 HAS 2' SPALL WITH EXPOSED REBAR. BENT #5 CAP BACK FACE HAS 1' DELAM ABOVE PILE #2 BENT #5 CAP BOTTOM BESIDE PILE #5 HAS 1' SPALL WITH REBAR EXPOSED. Bt. #6 BACK FACE SPAN #5 LEFT END SPALLED 2' WITH EXPOSED REBAR. BT. #7 CAP BACK FACE LEFT END HAS 2' SPALL WITH EXPOSED REBAR AND RIGHT END HAS 2' DELAM BT. #7 CAP FRONT FACE AT CENTER LINE 2' SPALL WITH EXPOSED REBAR, BETWEEN PILE #3 & 5 HAVE 2 2' DELAMS ON CORNERS. BENT #8 CAP LEFT END HAS 2' DELAM ON BACK FACE BENT #8 CAP RIGHT END HAS 2' DELAM ON BACK FACE BENT #8 CAP AHEAD FACE HAS 2' DELAM AT CENTERLINE BOTTOM.							
1080 - Delamination/Spall/Patched Area		11			11		
1090 - Exposed Rebar		15			12	3	
301 - Pourable Joint Seal	1- Ben.	302	ft.	0	0	0	302
Joint sealant is gone allowing non compressibles to enter joint.							
2330 - Seal Damage		302					302
330 - Metal Bridge Railing	1- Ben.	480	ft.	480			
SPAN #6 RIGHT SIDE 2ND POST SPALLED AT BOTTOM WITH REBAR EXPOSED.							
515 - Steel Protective Coating		1440	sq. ft.	1440			

Agency Inventory

Structural

BRIDGE GROUP

WEARING SURFACE THICKNESS IN

WEATHERING STEEL No

PIN / HANGER No

STAY IN PLACE FORMS No

STEEL TONS Tons(41) STRUCTURE
OPEN/POSTED/CLOSED A**Location**ROAD / ROUTE NAME SECTION ZONE **Seismic**

SEISMIC

SEISMIC YEAR / ZONE **Notification**SCHOOL DISTRICT EMAIL OWNER EMAIL

LATE REASON

Load Po**Calculated**

CODE 4 VEHICLE (22 tons)

CODE 9 VEHICLE (31 tons)

CODE 5 VEHICLE (40 tons)

Posted

Bridge Beginning

CODE 4 TonsCODE 9 TonsCODE 5 Tons**Stip**

APHN

STIP

JOB NUMBER

PROG. JOB NUMBER

OLD BRIDGE NUMBER

NEW BRIDGE NUMBER

BRIDGE CONDITION INDEX

Notes

VEGETATION IS GROWING IN RIGHT & LEFT GUTTERS
ABUTMENT #2 LEFT SIDE APPROACH RAIL HAS MINOR COLLISION DAMAGE.
ABUTMENT #1 SLOPE HAS 2 LARGE ANIMAL HOLES ON RIGHT & LEFT SIDE.
ABUTMENT #1 & 2 RIGHT & LEFT SIDES HAVE VEGETATION GROWING UNDER & BESIDE BRIDGE.

Inspector:

Structure Number: 00515

Inspection Date:

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/12/2012 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

BENT 2 - 8 CAPS HAVE SEVERAL AREAS OF CRACKS, DELAMINATIONS & SPALLS WITH EXPOSED REBAR.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical caps

Inspector:

Structure Number: 00515

Inspection Date:

Facility Carried: US 64/sec15/L6.52

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/18/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

ABUTMENT #1 & 2 RIGHT & LEFT SIDES HAVE VEGETATION GROWING UNDER & BESIDE BRIDGE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Vegetation growing beside bridge.

Inspector:

Structure Number: 00515

Inspection Date:

Facility Carried: US 64/sec15/L6.52

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/18/2014 12:00:00 AM

Priority: D - Routine

Work Code: N/A

Deficiency Description:

DECK LEFT & RIGHT GUTTERS HAVE VEGETATION GROWING IN THEM.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Vegetation growing in gutters.

Inspector:

Structure Number: 00515

Inspection Date:

Facility Carried: US 64/sec15/L6.52

Bridge Inspection Report

Maintenance Needs

Date Reported: 6/18/2014 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

SOFFIT

SP. 4 RT

SP. 5 RT

SP. 6 LT & RT

SP. 7 RT

SP. 8 RT

SOFFIT IS SPALLED AT DECK DRAINS WITH EXPOSED REBAR.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical spalled drain area.

Inspector:

Structure Number: 00515

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Bridge Inspection Report

Maintenance Needs

Date Reported: 6/18/2014 12:00:00 AM

Priority: C - Important

Work Code: N/A

Deficiency Description:

ABUTMENT #1 SLOPE HAS 2 LARGE ANIMAL HOLES ON RIGHT & LEFT SIDE.

Work Description:

Date Repairs Completed:

Maintenance Comments:

Stage: Monitor



PHOTO 1 Description Typical animal holes.