

Bridge Inspection Report

06924

Sh-1/Sec-13/L-3.19

over

Section Line Ditch



Inspection Date:

Inspected By:

Inspection Type(s):

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Inspector:

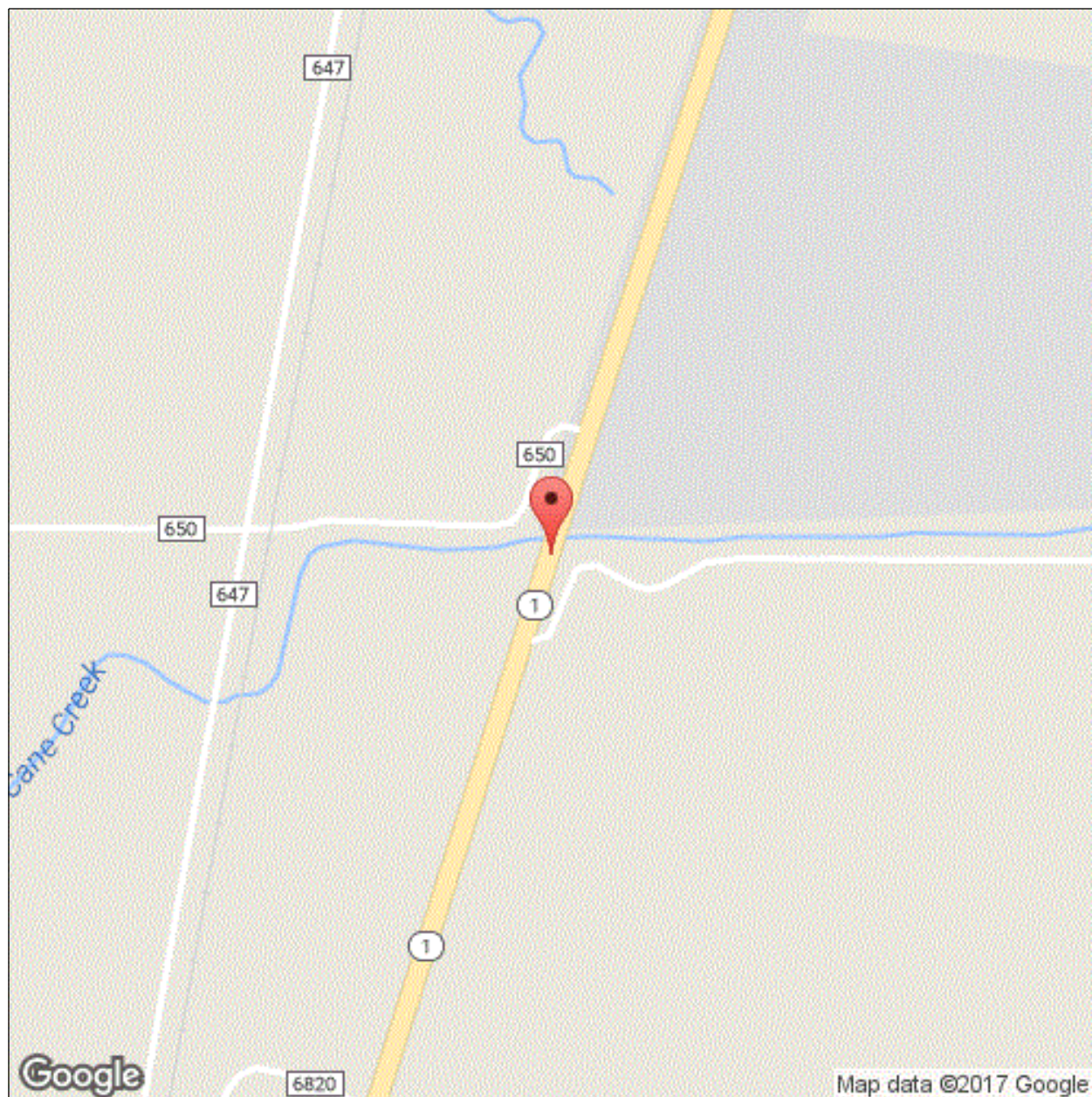
Structure Number: 06924

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Bridge Inspection Report

Location Map



Latitude: 35.193523

Longitude: -90.796494

Inspector:

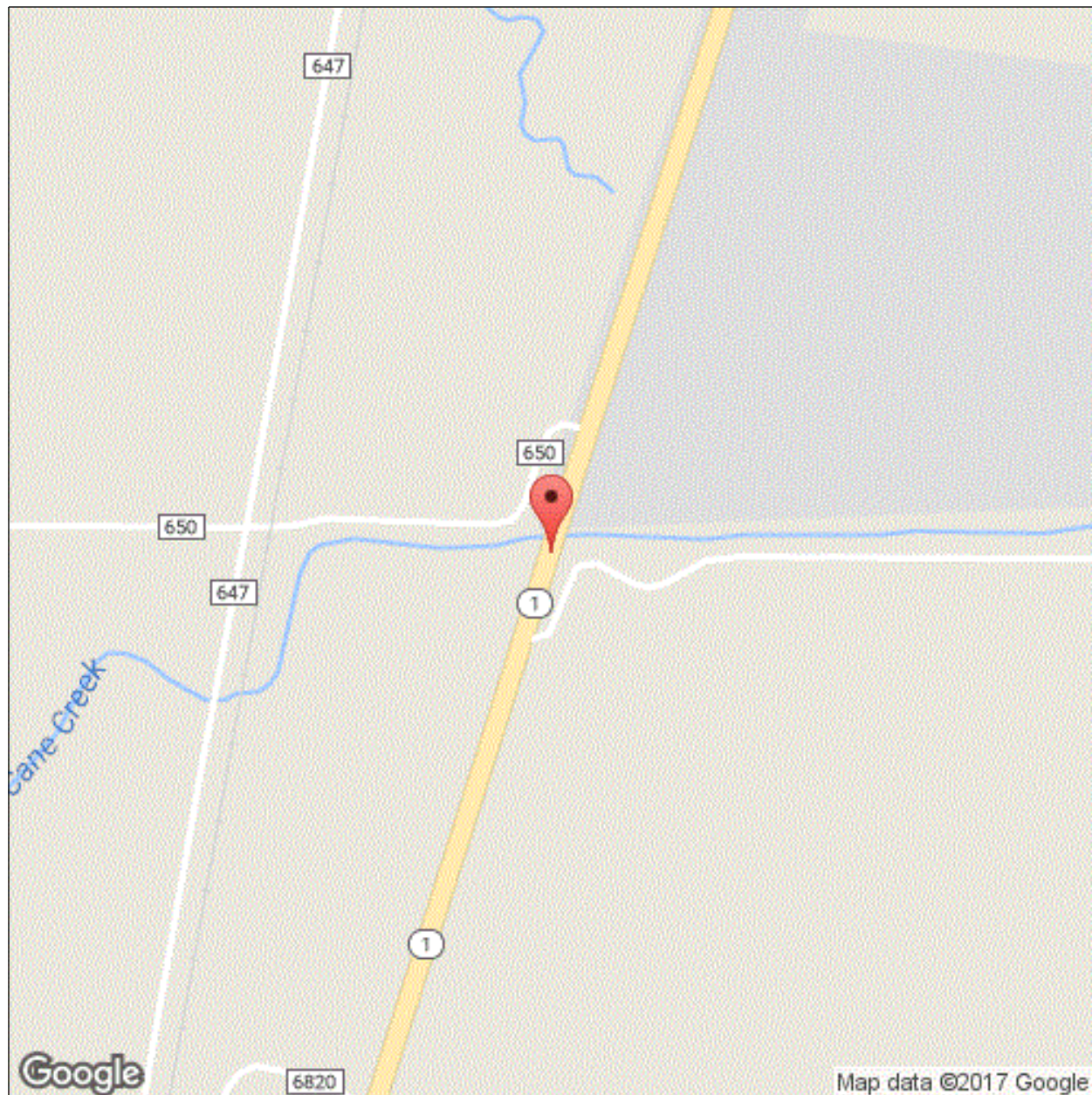
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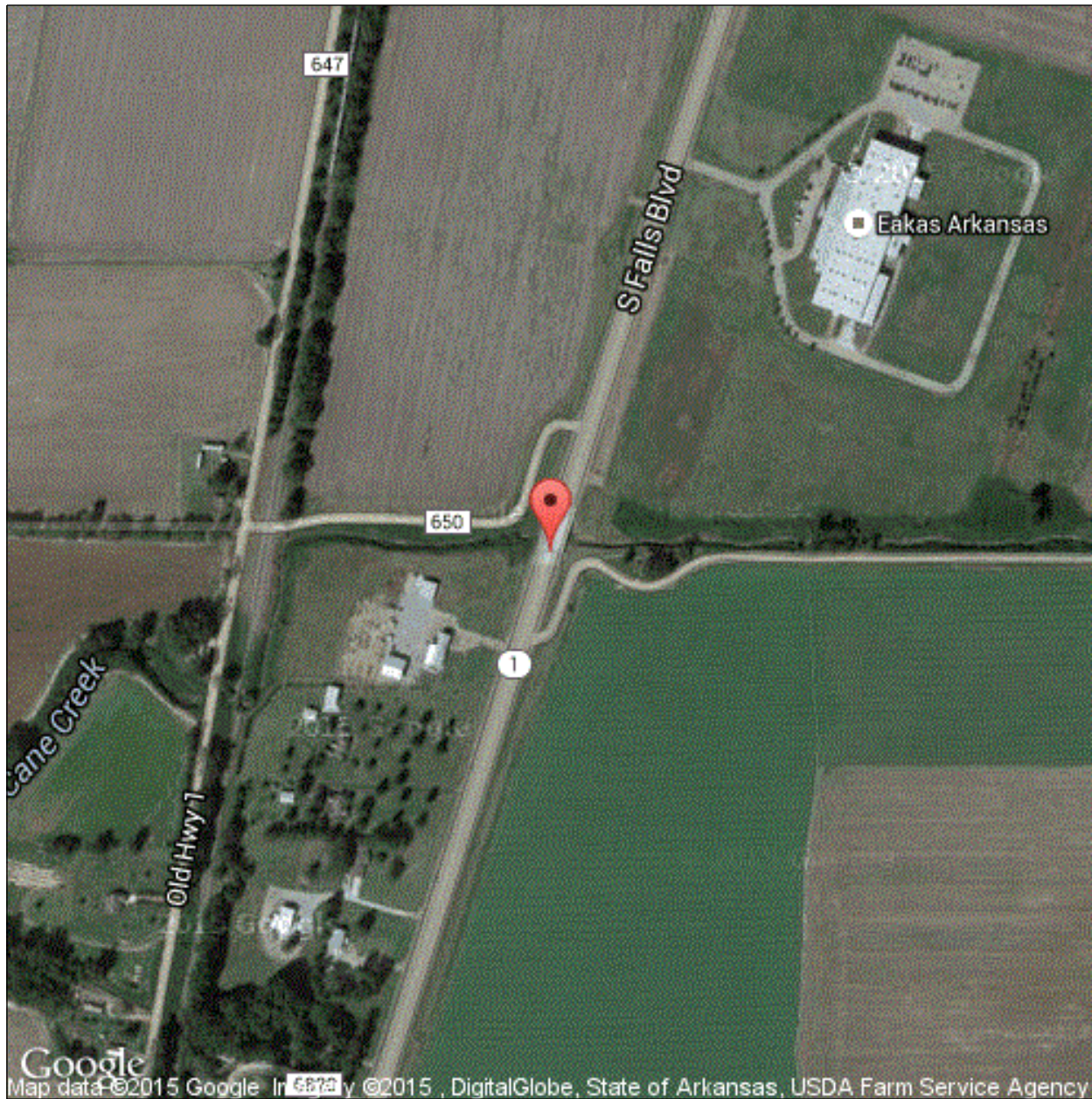
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Executive Summary

8/29/2017- Lowered deck rating from 8 to 7 due to cracking and efflorescence.

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National Bridge Inventory

IDENTIFICATION		INSPECTIONS	
(1) STATE CODE	056 - Arkansas	(90) INSPECTION DATE	08/29/2017
(8) STRUCTURE NUMBER	06924	(91) DESIGNATED INSPECTION FREQUENCY	24
(5) INV. ROUTE (ON/UNDER)	1 3 1 1 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	Section Line Ditch	C. OTHER SPECIAL	N
(7) FACILITY CARRIED	Sh-1/Sec-13/L-3.19		
(9) LOCATION	3.19 Mi N St Francis Cty		
(11) MILEPOINT 3.190	(12) BASE HIGHWAY NETWORK 1		
(13A) LRS INVENTORY ROUTE	0000001130 (13B) SUBROUTE NUMBER 00		
(16) LATITUDE 35.193523	(17) LONGITUDE -90.796494		
(98A) BORDER BRIDGE CODE			
PERCENT RESPONSIBILITY	(99) BORDER BRIDGE STRUCT		
STRUCTURE TYPE AND MATERIAL		CONDITION	
(43) STRUCTURE TYPE, MAIN		(58) DECK	7
A) KIND OF MATERIAL/DESIGN: 4 - Steel continuous		(59) SUPERSTRUCTURE	8
B) TYPE OF DESIGN/CONSTR: 02 - Stringer/Multi-beam or Girder		(60) SUBSTRUCTURE	8
(44) STRUCTURE TYPE, APPROACH SPANS		(61) CHANNEL & CHANNEL PROTECTION	8
A) KIND OF MATERIAL/DESIGN: 0 - Other		(62) CULVERT	N
B) TYPE OF DESIGN/CONSTR: 00 - Other			
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 0		
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 1		
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 1		
AGE OF SERVICE		LOAD RATING AND POSTING	
(27) YEAR BUILT 2004	(106) YEAR RECONSTRUCTED 0000	(31) DESIGN LOAD	5
(42) TYPE OF SERVICE ON 1 UNDER 5		(63) METHOD USED TO DETERMINE OPERATING RATING	1
(28) LANES ON 05 UNDER 00		(64) OPERATING RATING	60.0
(29) AVERAGE DAILY TRAFFIC 9700	(19) BYPASS DETOUR LENGTH 5	(65) METHOD USED TO DETERMINE INVENTORY RATING	1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2014		(66) INVENTORY RATING	36.0
(109) AVERAGE DAILY TRUCK TRAFFIC 9		(70) BRIDGE POSTING	5
		(41) STRUCTURE OPEN/POSTED/CLOSED	A
GEOMETRIC DATA		APPRAISAL	
(48) LENGTH OF MAX SPAN (ft.) 40	(49) STRUCTURE LENGTH (ft.) 102	(67) STRUCTURAL EVALUATION	8
(50) CURB/SIDEWALK WIDTHS (ft.) LEFT 0 RIGHT 0		(68) DECK GEOMETRY	6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.) 75		(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(52) DECK WIDTH, OUT-TO-OUT (ft.) 78.1		(71) WATERWAY ADEQUACY	8
(32) APPROACH ROADWAY WIDTH (ft.) 75		(72) APPROACH ROADWAY ALIGNMENT	8
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 15	(36) TRAFFIC SAFETY FEATURE	
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 99.99	36A) BRIDGE RAILINGS:	1
(47) TOTAL HORIZONTAL CLEARANCE (ft.) 75		36B) TRANSITIONS:	1
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.) 99.99		36C) APPROACH GUARDRAIL:	1
(54) VERTICAL UNDER CLEARANCE (ft.) N 0		36D) APPROACH GUARDRAIL ENDS:	1
(55) LATERAL UNDER CLEARANCE RIGHT (ft.) N 99.9		(113) SCOUR CRITICAL BRIDGES	5
(56) MIN LATERAL UNDER CLEARANCE (ft.) 0		SUFFICIENCY RATING	96.4
		STATUS	0
PROPOSED IMPROVEMENTS		CLASSIFICATION	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY	(112) NBIS BRIDGE LENGTH	Y
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.) 0		(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(94) BRIDGE IMPROVEMENT COST (\$)	0	(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	02
(95) ROADWAY IMPROVEMENT COST (\$)	0	(100) STRAHNET HIGHWAY DESIGNATION	0
(96) TOTAL PROJECT COST	0	(101) PARALLEL STRUCTURE DESIGNATION	N
(97) YEAR OF IMPROVEMENT COST ESTIMATE		(102) DIRECTION OF TRAFFIC	2
(114) FUTURE ADT 9344	(115) YEAR OF FUTURE ADT 2028	(103) TEMP STRUCTURE	
		(105) FEDERAL LANDS HIGHWAYS	0
		(110) DESIGNATED NATIONAL NETWORK	1
		(20) TOLL	3
		(21) MAINTENANCE RESPONSIBILITY	01
		(22) OWNER	01
		(37) HISTORICAL	4
		NAVIGATION DATA	
		(38) NAVIGATION CONTROL	0
		(111) PIER OR ABUTMENT PROTECTION	1
		(39) NAV VERT CLEARANCE (ft.)	0
		(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
		(40) NAV HORIZONTAL CLEARANCE (ft.)	0

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Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	1- Ben.	8145	sq. ft.	6399	1746	0	0
	Deck has open longitudinal & transverse hairline cracks spaced 6' - 8' apart. Spans #1,2,3 bays #1,2,3,4 have soffit hairline cracks with light efflorescence spaced 3'-5' apart.						
1120 - Efflorescence/Rust Staining		1067			1067		
1130 - Cracking (RC and Other)		679			679		
107 - Steel Open Girder/Beam	1- Ben.	1020	ft.	972	48	0	0
	Girders #1 and 10 have light scaling above bottom flange on outside for 12' near abutment #1 and abutment #2						
1000 - Corrosion		48			48		
515 - Steel Protective Coating		6181	sq. ft.	6171	10	0	0
3430 - Oxide Film Degradation Color/Texture Adherence(Steel Protective Coatings)		10			10		
215 - Reinforced Concrete Abutment	1- Ben.	196	ft.	98	98	0	0
	Abutment backwalls have vertical hairline cracks with light efflorescence spaced 2' - 3' apart.						
1120 - Efflorescence/Rust Staining		98			98		
225 - Steel Pile	1- Ben.	20	each	0	20	0	0
	Small areas of light surface rust on piles.						
1000 - Corrosion		20			20		
515 - Steel Protective Coating		636	sq. ft.	530	106	0	0
3440 - Effectiveness (Steel Protective Coatings)		106			106		
234 - Reinforced Concrete Pier Cap	1- Ben.	156	ft.	156			
300 - Strip Seal Expansion Joint	1- Ben.	156	ft.	156			
310 - Elastomeric Bearing	1- Ben.	40	each	40			
321 - Reinforced Concrete Approach Slab	1- Ben.	4307	sq. ft.	3446	861	0	0
	Approach slabs: Concrete approach slabs have several diagonal cracks approximately 1/16" - 1/8" wide.						
1130 - Cracking (RC and Other)		861			861		
331 - Reinforced Concrete Bridge Railing	1- Ben.	208	ft.	208			

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Pictures

PHOTO 1

Description

PHOTO 2

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Pictures

PHOTO 2

Description

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Bridge Inspection Report

Sketches

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Maintenance Needs