

ATTENTION: NEWLY STRUCTURAL DEFICIENT; PAR: CORROSION; D-METER

Structure Safety Report

Routine Element Inspection

STRUCTURE NUMBER. 200331	SAP STRUCTURE NO:	0570531	FHWA STRUCT	TURE NO: 000000001	1150531
DIVISION: 13 COUNTY: MADISON	INSPEC	O5/10/20	022 FRE	QUENCY: 24 MONT	HS
FACILITY CARRIED: SR1135			MILE POST:		
LOCATION: .1 MI.S.JCT.US25,70					
FEATURE INTERSECTED: WALNUT CRE	EEK		_		
LATITUDE: 35° 48' 45.91"	LONGITUDE:	82° 42' 21.89"			
SUPERSTRUCTURE: 3 LINES 120" CM	PIPE;245' ALONG CENTE	ERLINE PIPE			
SUBSTRUCTURE:					
SPANS: 3 BARRELS. SEE CULVERT	SKETCH FOR DETAILS.				
FRACTURE CRITICAL TEMPO	DRARY SHORING :	SCOUR CRITICAL	SCOUR	PLAN OF ACTION	
GRADES: (Inspector/NBI Coding) DECK N	SUPERSTRUCTUR	RE N/N SUBST	RUCTURE N/I	N CULVERT 4/4	
POSTED SV: Not Posted		POSTED TTST: Not	Posted		
OTHER SIGNS PRESENT: NONE					
		WW Ta	Sign notice issued for	d	Number Required
			Sign notice issued for NO	d WEIGHT LIMIT	
			issued for	WEIGHT LIMIT	Required
			issued for	WEIGHT LIMIT	Required 0 0
			issued for NO NO	WEIGHT LIMIT DELINEATORS	Required 0 0 0 0
			NO NO NO	WEIGHT LIMIT DELINEATORS NARROW BRIDGE	Required 0 0 0 0
			NO NO NO DIRECTINSE	WEIGHT LIMIT DELINEATORS NARROW BRIDGE ONE LANE BRIDGE	Required 0 0 0 0 0
SOUTH APPROACH LOOKING NORTH			NO NO NO DIRECTINSE	WEIGHT LIMIT DELINEATORS NARROW BRIDGE ONE LANE BRIDGE LOW CLEARANCE CTION OF S-N PECTION ECTION	Required 0 0 0 0 0

— IDENTIFICATION —						00,202
(1) STATE NAME NORTH CAROLINA BRIDGE		560531	SUFFICIENCY RATING			72.63
(8) STRUCTURE NUMBER (FEDERAL)		1150531	STATUS =		Structurally D	Deficient
(5) INVENTORY ROUTE (ON/UNDER) ON	13	1011350		CLASSIFICATION	(CODE
(2) STATE HIGHWAY DEPARTMENT DISTRICT	\ E	13	(112) NBIS BRIDGE SYSTEM			YE
(3) COUNTY CODE (FEDERAL) 115 (4) PLACE COD (6) FEATURE INTERSECTED WALNUT CREEK	′ ⊑	00000	(104) HIGHWAY SYSTEM	Inventory Route	not on NHS	
(7) FACILITY CARRIED SR1135			(26) FUNCTIONAL CLASS		Rural Local	0
(9) LOCATION .1 MI.S.JCT.US25,70			(100) STRAHNET HIGHWAY	Not a STRAI	HNET Route	
(11) MILEPOINT		0.0	(101) PARALLEL STRUCTURE	No parallel stru	cture exists	1
(12) BASE HIGHWAY NETWORK		0	(102) DIRECTION OF TRAFFIC	2	2-way traffic	
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 35° 48' 45.91" (17) LONGITUDE	920 //	2' 21.89"	(103) TEMPORARY STRUCTUR	E		
. ,	NT SHARED	2 21.09	(110) DESIGNATED NATIONAL	NETWORK - on national networ	k for trucks	
(99) BORDER BRIDGE STRUCTURE NUMBER			(20) TOLL	Oı	n Free Road	
			(21) MAINT -			0
STRUCTURE TYPE AND MATERI.	AL ———		• ` '			
(43) STRUCTURE TYPE MAIN TYPE C	ulvert CODE	Steel 319	(22) OWNER -	-		0
	uiveit CODE	319	(37) HISTORICAL SIGNIFICANC			
(44) STRUCTURE TYPE APPROACH	0005		(50) DEOK	CONDITION	(CODE
TYPE	CODE		(58) DECK			
(45) NUMBER OF SPANS IN MAIN UNIT		3	(59) SUPERSTRUCTURE			
(46) NUMBER OF SPANS IN APPROACH		0	(60) SUBSTRUCTURE			
(107) DECK STRUCTURE TYPE	CODE	N	(61) CHANNEL & CHANNEL PRO	OTECTION		
(108)WEARING SURFACE/PROTECTIVE SYSTEM			(62) CULVERTS			
(A) TYPE OF WEARING SURFACE	CODE	N	LOAD I	RATING AND POSTING		CODE
(B) TYPE OF MEMBRANE	CODE	N	(31) DESIGN LOAD		H 20 + Mod	
(C) TYPE OF DECK PROTECTION	CODE	N	(63) OPERATING RATING METH	HOD - RFR - Load and Resist	ance Factor	
AGE AND SERVICE			(64) OPERATING RATING -		HS-55	9
(27) YEAR BUILT		1985	(65) INVENTORY RATING METH	HOD -		
(106) YEAR RECONSTRUCTED		0	(66) INVENTORY RATING		HS-55	9
(42) TYPE OF SERVICE ON -	ŀ	Highway	(70) BRIDGE POSTING	No Postir	ng Required	
OFF - Water	way CODE	15	(41) STRUCTURE OPEN, POST	ED, OR CLOSED		,
(28) LANES ON STRUCTURE 2 LANES UNDER S	STRUCTURE	0	DESCRIPTION	Open, no	restriction	
(29) AVERAGE DAILY TRAFFIC		840		APPRAISAL		CODE
(30) YEAR OF ADT 2016 (109) TRUCK AD	T PCT	6	(67) STRUCTURAL EVALUATIO	N		
(19) BYPASS OR DETOUR LENGTH		4.0	(68) DECK GEOMETRY			
GEOMETRIC DATA			(69) UNDERCLEARANCES, VEF	RT & HORIZ		1
(48) LENGTH OF MAXIMUM SPAN		10.0	(71) WATERWAY ADEQUACY			
(49) STRUCTURE LENGTH		41.0	(72) APPROACH ROADWAY AL	IGNMENT		
(50) CURB OR SIDEWALK: LEFT 0.0 RIGHT		0.0	(36) TRAFFIC SAFETY FEATUR			1NNI
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB (52) DECK WIDTH OUT TO OUT		0.0 0.0	(113) SCOUR CRITICAL BRIDGI			
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)		22.0	` '	OSED IMPROVEMENTS .		
	dian CODE	0	(75) TYPE OF WORK	OSED IIVII NOVEIVIENTS .	CODE	
(34) SKEW 0 (35) STRUCTURE FLAR	ED	0	(76) LENGTH OF STRUCTURE I	MPROVEMENT		
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9	(94) BRIDGE IMPROVEMENT C			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		21.9	. ,			
(53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR: REFERENCE		999.9 0.0	(95) ROADWAY IMPROVEMENT	0031		
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE	N	0.0	(96) TOTAL PROJECT COST	2007 507114475		
(56) MIN LAT UNDERCLEARANCE LT:		0.0	(97) YEAR OF IMPROVEMENT (
NANGO TION DATA			(114) FUTURE ADT	1,680 YEAR OF FUTURE	ADT	204
——— NAVIGATION DATA ———— (38) NAVIGATION CONTROL -	CODE	0	(90) INSPECTION DATE	INSPECTION	REQUENCY	24
		U	(92) CRITICAL FEATURE INSPE		(93) CFI DATE	
(111) PIER PROTECTION	CODE	2 -	. ,		(90) OFT DATE	
		0.0	A) FRACTURE CRIT DETA	AIL A)		
(39) NAVIGATION VERTICAL CLEARANCE			D)			
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR		0.0	B) UNDERWATER INSP	В)		
			B) UNDERWATER INSP C) OTHER SPECIAL INSP	B) C)		

Superstructure Build Details

Span Number 1

Span Length <u>10.0000</u>

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
12	Steel Round Structural Plate	Steel Culvert	245 Feet	Galvanized Protective System	7693

 Span Number <u>2</u>
 Span Length <u>10.0000</u>
 Skew 90.0000

Number of Items		Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
12	Steel Round Structural Plate	Steel Culvert	245 Feet	Galvanized Protective System	7693

 Span Number 3
 Span Length 10.0000
 Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
12	Steel Round Structural Plate	Steel Culvert	245 Feet	Galvanized Protective System	7693

Structure Element Scoring

Structure Number: <u>560531</u> Inspection Date <u>5/10/2022</u>

Element Number	Parent Number		Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
240	0	Steel Culvert	Culverts and Pipes	735	0	468	0	267
515	240	Steel Protective Coating	Culverts and Pipes	23079	18669	0	2790	1620

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 560531 Inspection Date: 05/10/2022

MMS Code	Element Name	Element Name Defect Name			
3370	Steel Culvert	Corrosion	270 Feet		
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	4410 Square Feet		

Element Structure Maintenance Quantities

Structure Number: 560531 Inspection Date 05/10/2022

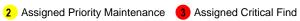
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Culverts and Pipes	3342	Clean and Paint Steel	4410	23079	1620	2790	0	18669
Culverts and Pipes	3370	Maintenance of NBI Culverts and Pipes	270	735	267	0	468	0

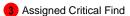
Priority Actions Request

an1			
3370	Culvert Section	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	25	Span 1 Culvert Section 1: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 2	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 2: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 3: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 4	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 4: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 5	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 5: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 6	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description









Priority Actions Request

2	Corrosion	20	Span 1 Culvert Section 6: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF
			COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 7	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 7: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 8	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 8: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 9	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 9: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section 10	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 10: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
3370	Culvert Section	Steel Round S	tructural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 11: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)

Priority Actions Request

Structure Nun	nber <u>560531</u>		
	12		
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	20	Span 1 Culvert Section 12: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)
Span3			
3370	Culvert Section 1	Steel Round S	structural Plate
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	25	Span 3 Culvert Section 1: SEDIMENT AND ROCK WASHED OUT OF PIPE FOR 25' BEGINNING AT THE INLET. EXPOSED MULTIPLE AREAS OF COMPLETE



LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 6" DEEP. (PAR)

Element Condition and Maintenance Data

Structure Number: 560531 Inspection Date: 05/10/2022

ou dolaro i	- tumbon <u></u>						spootion i	3410. <u>00/10/2022</u>
Spa	ın 1	Culvert	Section 1					
Stee	el Round Structura	l Plate						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cul	vert	25	0	0	0	25	Feet
515	Steel Pro	tective Coating	785	635	0	0	150	Square Feet
Elemen Numbe	Dofoct Typo	Defect D	escription		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS VEXPOSING THE INVERT. COI AREAS OF COMPLETE LOSS TO 5' WIDE X 3" LONG. THE UNDERNEATH THE CULVER	RROSION WITH MULT S IN THE CORRUGATION STREAM IS INTRUDIN	PLE DNS UP	4	25	25	5 Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WA CORROSION.	TER LINE, ALLOWING	i	4	150	150	Square Feet
	General Comments							

Spa	an 1	(Culvert Section 2						
Ste	el Round Structura	l Plate							
	ment mber Steel Cul			Total Qty 20 628	CS1 Qty 0 508	CS2 Qty 0	CS3 Qty 0		Feet
Elemer Numbe	nt Defect Type	tective Coating	Defect Description	626	506	cs	CS Qty	120 S Maint Qty	Square Feet
240	Corrosion	EXPOSING THE INV AREAS OF COMPLE	CK HAS WASHED OU'/ERT. CORROSION WI' ETE LOSS IN THE COR NG. THE STREAM IS II CULVERT. (PAR)	TH MULTIF	PLE NS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings) General Comments	DETERIORATED BE CORROSION.	ELOW WATER LINE, AI	LLOWING		4	120	120	Square Feet

Spa	an 1	Culvert Secti	ion 3					
Ste	el Round Structura	l Plate						
	ment mber Steel Cul Steel Pro	Element Name vert tective Coating	Total Qty 20 628	CS1 Qty 0 508	CS2 Qty 0	CS3 Qty 0		eet quare Feet
Elemer Numbe	Dofoct Typo	Defect Descrip	otion		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WASH EXPOSING THE INVERT. CORROS AREAS OF COMPLETE LOSS IN THE TO 5' WIDE X 3" LONG. THE STREA UNDERNEATH THE CULVERT. (PA	ION WITH MULTIF HE CORRUGATIO AM IS INTRUDING	PLE NS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER L CORROSION.	INE, ALLOWING		4	120	120	Square Feet
	General Comments							

Span	1	Culvert Sec	ction 4					
Steel	Round Structura	l Plate						
Eleme Numb 240		Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 20 F	- -eet
515	Steel Pro	tective Coating	628	508	0	0	120 S	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
240 C	Corrosion	SEDIMENT AND ROCK HAS WAS EXPOSING THE INVERT. CORRO AREAS OF COMPLETE LOSS IN TO 5' WIDE X 3" LONG. THE STR UNDERNEATH THE CULVERT. (F	OSION WITH MULTIF THE CORRUGATION EAM IS INTRUDING	PLE NS UP	4	20	20	Feet
_F	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	R LINE, ALLOWING		4	120	120	Square Feet

General Comments

Spa	n 1	Culvert Se	ection 5					
Stee	el Round Structura	l Plate						
	nent nber Steel Cul Steel Pro	Element Name vert tective Coating	Total Qty 20 628	CS1 Qty 0 508	CS2 Qty 0	CS3 Qty 0		eet Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	scription		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WA EXPOSING THE INVERT. CORR AREAS OF COMPLETE LOSS II TO 5' WIDE X 3" LONG. THE ST UNDERNEATH THE CULVERT.	ROSION WITH MULTI N THE CORRUGATIO REAM IS INTRUDING	PLE DNS UP	4	20	20	Feet
515 -	Effectiveness (Steel Protective Coatings) General Comments	DETERIORATED BELOW WATE CORROSION.	ER LINE, ALLOWING		4	120	120	Square Feet

Spa	an 1	Culve	ert Section 6						
Ste	el Round Structura	l Plate							
Nui 240	ment mber Steel Cul			Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	-	Feet
515 Elemer Numbe	nt Defect Type	tective Coating Defection	ct Description	628	508	0 CS	0 CS Qty	120 S Maint Qty	Square Feet
240	Corrosion	SEDIMENT AND ROCK HA EXPOSING THE INVERT. (AREAS OF COMPLETE LO TO 5' WIDE X 3" LONG. TH UNDERNEATH THE CULV	CORROSION WIT DSS IN THE COR HE STREAM IS IN	TH MULTIF	PLE NS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW CORROSION.	WATER LINE, AL	LOWING		4	120	120	Square Feet
	General Comments								

Spai	n 1	Culvert Sec	ction 7					
Stee	el Round Structura	l Plate						
	ment nber Steel Cul	Element Name	Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 20 F	- eet
515	Steel Pro	tective Coating	628	508	0	0	_	Square Feet
Element Number	Dofoct Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WAS EXPOSING THE INVERT. CORRO AREAS OF COMPLETE LOSS IN TO 5' WIDE X 3" LONG. THE STR UNDERNEATH THE CULVERT. (F	OSION WITH MULTI THE CORRUGATION EAM IS INTRUDING	PLE ONS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	R LINE, ALLOWING		4	120	120	Square Feet

Gen	eral	Com	men	t s

Spa	n 1	Culvert Section	on 8					
Stee	el Round Structura	l Plate						
	ment nber Steel Cul	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 20 F	eet
515	Steel Pro	tective Coating	628	508	0	0	120 S	quare Feet
Elemen Numbe	Dofoot Typo	Defect Descrip	tion		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WASHI EXPOSING THE INVERT. CORROSI AREAS OF COMPLETE LOSS IN TH TO 5' WIDE X 3" LONG. THE STREAUNDERNEATH THE CULVERT. (PAI	ON WITH MULTII IE CORRUGATIO IM IS INTRUDINO	PLE ONS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER L CORROSION.	INE, ALLOWING		4	120	120	Square Feet
	General Comments							

Spa	ın 1	Culvert Se	ection 9					
Stee	el Round Structura	l Plate						
	ment nber Steel Cul	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 20 F	- eet
515	Steel Pro	tective Coating	628	508	0	0	120 S	Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WA EXPOSING THE INVERT. CORR AREAS OF COMPLETE LOSS IN TO 5' WIDE X 3" LONG. THE ST UNDERNEATH THE CULVERT.	OSION WITH MULT N THE CORRUGATION REAM IS INTRUDIN	IPLE ONS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATE CORROSION.	ER LINE, ALLOWING	}	4	120	120	Square Feet
	General Comments							

Span	1 1	Culvert Sec	ction 10					
Steel	Round Structura	l Plate						
Elemo Numb 240		Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 20 F	- eet
515	Steel Pro	tective Coating	628	508	0	0	120 \$	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WAS EXPOSING THE INVERT. CORRO AREAS OF COMPLETE LOSS IN TO 5' WIDE X 3" LONG. THE STR UNDERNEATH THE CULVERT. (I	DSION WITH MULTIF THE CORRUGATION REAM IS INTRUDING	PLE NS UP	4	20	20	Feet
_!	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	R LINE, ALLOWING		4	120	120	Square Feet

Gen	eral	Com	men	t s

Spa	Span 1 Culvert Section 11							
Stee	el Round Structura	l Plate						
	nent nber Steel Cul	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 20 Fe	eet
515	Steel Pro	tective Coating	628	508	0	0	120 S	quare Feet
Elemen Numbe	Dofoct Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WASHE EXPOSING THE INVERT. CORROSIC AREAS OF COMPLETE LOSS IN THE TO 5' WIDE X 3" LONG. THE STREAT UNDERNEATH THE CULVERT. (PAR	ON WITH MULTI E CORRUGATION M IS INTRUDING	PLE ONS UP	4	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER LII CORROSION.	NE, ALLOWING		4	120	120	Square Feet
	General Comments							

Spa	ın 1	Culvert Section 12	2					
Stee	el Round Structura	al Plate						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cu	lvert	20	0	3	0	17 F	eet
515	Steel Pro	otective Coating	628	508	0	0	120 \$	Square Feet
Elemen Numbe	Dofoot Typo	Defect Description			CS	CS Qty	Maint Qty	
240	Corrosion	SEDIMENT AND ROCK HAS WASHED OU EXPOSING THE INVERT. CORROSION W AREAS OF COMPLETE LOSS IN THE CO TO 5' WIDE X 3" LONG. THE STREAM IS UNDERNEATH THE CULVERT. (PAR)	ITH MULT RRUGATION	IPLE ONS UP	4	17	20	Feet
240	Scour	FULL WIDTH X 0.5' HIGH X 3' BACK SCO OUTLET END.	UR AT TH	E	2	3		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER LINE, A CORROSION.	ALLOWING	÷	4	120	120	Square Feet
•	General Comments							

Spa	n 2	Culvert Se	ection 1					
Stee	el Round Structura	l Plate						
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cul	vert	25	0	25	0	0 F	eet
515	Steel Pro	tective Coating	785	635	0	150	0 S	quare Feet
Elemen Number	Dofoct Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH 0.0625" PITT ALONG THE WATERLINE. BOT DUE TO ROCK AND SEDIMENT	TOM PORTION NOT		2	25		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATE CORROSION.	R LINE, ALLOWING		3	150	150	Square Feet

General Comments

Spa	an 2	Culvert S	Section 2					
Ste	el Round Structura	l Plate						
	ment mber Steel Cu	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 F	eet
515	Steel Pro	tective Coating	628	508	0	120	0 S	quare Feet
Elemer Numbe	Dofoot Typo	Defect D	escription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH 0.0625" PI ALONG THE WATERLINE. BC DUE TO ROCK AND SEDIMEN	OTTOM PORTION NO		2	20	•	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WA'CORROSION.	TER LINE, ALLOWING	G	3	120	120	Square Feet
	General Comments							

Spa	an 2	Culvert Sectio	n 3				
Ste	el Round Structura	l Plate					
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
240	Steel Cul	vert	20	0	20	0	0 Feet
515	Steel Pro	tective Coating	628	508	0	120	0 Square Feet
Elemer Numbe	Dofoct Typo	Defect December				CC Ot++	Maint
	er Delect Type	Defect Descripti	on		CS	CS Qty	Qty
240	Corrosion	CORROSION WITH 0.0625" PITTING ALONG THE WATERLINE. BOTTOM DUE TO ROCK AND SEDIMENT BUIL	AND SCALE LO		2	20 20	Qty Feet
240 515	31	CORROSION WITH 0.0625" PITTING ALONG THE WATERLINE. BOTTOM	AND SCALE LO PORTION NOT DUP.	VISIBLE			•

Span 2		Culvert Section 4						
Steel R	ound Structural Plate							
Element Number	Element Name)	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Culvert		20	0	20	0	0 1	Feet
515	Steel Protective Coating		628	508	0	120	0 \$	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>560531</u>			Inspe	ection Date: <u>05/10/2022</u>
240	Corrosion	CORROSION WITH 0.0625" PITTING AND SCALE LOSS ALONG THE WATERLINE. BOTTOM PORTION NOT VISIBLE DUE TO ROCK AND SEDIMENT BUILDUP.	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER LINE, ALLOWING CORROSION.	3	120	120 Square Feet
	General Comments				

Spa	an 2	Culvert Sec	tion 5					
Stee	el Round Structura	l Plate						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cu	vert	20	0	20	0	0 F	eet
515	Steel Pro	tective Coating	628	508	0	120	0 S	quare Feet
Elemen	Dofoct Typo	Defect Descr	ription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH 0.0625" PITTII ALONG THE WATERLINE. BOTTO DUE TO ROCK AND SEDIMENT B	OM PORTION NOT		2	20		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	LINE, ALLOWING		3	120	120	Square Feet
	General Comments							

Spa	an 2	Cı	ulvert Section 6						
Ste	el Round Structura	al Plate							
	ment mber Steel Cu	Element Name		Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 F	- eet
515	Steel Pro	tective Coating		628	508	0	120	0 8	Square Feet
Elemei Numbe	Dofoct Typo	[Defect Description			CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH 0.4 ALONG THE WATERL DUE TO ROCK AND S	INE. BOTTOM POR	TION NOT		2	20		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BEL CORROSION.	OW WATER LINE, A	LLOWING		3	120	120	Square Feet
	General Comments								

Spa	an 2	Culvert Se	ection 7					
Ste	el Round Structura	l Plate						
	ement mber Steel Cul	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 F	eet
515	Steel Pro	tective Coating	628	508	0	120	0 S	quare Feet
Elemei Numbe	Dofoot Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROGIONI MITH COOCE DIT						
	Corresion	CORROSION WITH 0.0625" PITALONG THE WATERLINE. BOT DUE TO ROCK AND SEDIMENT	TOM PORTION NOT		2	20		Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE WATERLINE. BOT	TOM PORTION NOT BUILDUP.	VISIBLE	3	20 120	120	

Spar	n 2	Culvert Se	ection 8				
Stee	el Round Structura	l Plate					
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
240	Steel Cu	vert	20	0	20	0	0 Feet
515	Steel Pro	tective Coating	628	508	0	120	0 Square Feet
Element Number	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty
240	Corrosion	CORROSION WITH 0.0625" PITT ALONG THE WATERLINE. BOT DUE TO ROCK AND SEDIMENT	TOM PORTION NOT		2	20	Feet
515 _	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATE CORROSION.	R LINE, ALLOWING		3	120	120 Square Feet

General Comments

Spa	an 2	Culvert	Section 9					
Ste	el Round Structura	l Plate						
	ment mber Steel Cul	Element Name	Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 Fe	eet
515	Steel Pro	tective Coating	628	508	0	120	0 S	quare Feet
Elemer Numbe	Dofoot Typo	Defect D	escription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH 0.0625" P ALONG THE WATERLINE. BO DUE TO ROCK AND SEDIME	OTTOM PORTION NO		2	20		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WA CORROSION.	TER LINE, ALLOWIN	G	3	120	120	Square Feet
	General Comments							

Spa	an 2	Culvert Secti	on 10				
Ste	el Round Structura	l Plate					
Nu	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
240	Steel Cul	vert	20	0	20	0	0 Feet
515	Steel Pro	tective Coating	628	508	0	120	0 Square Feet
Elemei Numbe	Dofoct Typo	Defect Descrip	4:		CS	CS Qty	Maint
	er 20.001.7p0	Defect Descrip	tion		CS	CO Qty	Qty
240	Corrosion	CORROSION WITH 0.0625" PITTING ALONG THE WATERLINE. BOTTOM DUE TO ROCK AND SEDIMENT BU	G AND SCALE LO		2	20	Qty Feet
240 515	51	CORROSION WITH 0.0625" PITTING ALONG THE WATERLINE. BOTTOM	S AND SCALE LO I PORTION NOT ILDUP.	VISIBLE			•

Span 2		Culvert Section 1	1					
Steel Ro	ound Structural Plate							
Element Number	Element Name	е	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Culvert		20	0	20	0	0 F	eet
515	Steel Protective Coating		628	508	0	120	0 \$	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>560531</u>			Inspe	ection Date: <u>05/10/2022</u>
240	Corrosion	CORROSION WITH 0.0625" PITTING AND SCALE LOSS ALONG THE WATERLINE. BOTTOM PORTION NOT VISIBLE DUE TO ROCK AND SEDIMENT BUILDUP.	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER LINE, ALLOWING CORROSION.	3	120	120 Square Feet
	General Comments				

Spa	an 2	Culvert Sect	ion 12				
Ste	el Round Structura	l Plate					
	ment mber Steel Cul	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel Pro	tective Coating	628	508	0	120	0 Square Feet
Elemer Numbe	Dofoot Typo	Defect Descri	ption		CS	CS Qty	Maint Qty
240	Corrosion	CORROSION WITH 0.0625" PITTIN ALONG THE WATERLINE. BOTTO DUE TO ROCK AND SEDIMENT BU	M PORTION NOT		2	17	Feet
240	Scour	FULL WIDTH X 2.333' HIGH X 4' BAOUTLET END.	CK SCOUR AT T	HE	2	3	Feet
					•	400	100 Causes Foot
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER I CORROSION.	LINE, ALLOWING	i	3	120	120 Square Feet

Spa	an 3		Culvert Section 1						
Ste	el Round Structura	l Plate							
	ment mber Steel Cul	Element Name vert		Total Qty 25	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 25 F	eet
515	Steel Pro	tective Coating		785	635	0	0	150 S	Square Feet
Elemer Numbe	Dofoct Typo		Defect Description			CS	CS Qty	Maint Qty	
240	Corrosion	BEGINNING AT THE	OCK WASHED OUT OF E INLET. EXPOSED MI SS IN THE CORRUGA PAR)	ULTIPLE A	REAS	4	25	25	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BE CORROSION.	ELOW WATER LINE, A	ALLOWING		4	150	150	Square Feet
	General Comments								

Span	3	Culvert Se	ection 2				
Steel	Round Structura	l Plate					
Eleme Numb	• • •	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
240	Steel Cu	vert	20	0	20	0	0 Feet
515	Steel Pro	tective Coating	628	508	0	120	0 Square Feet
lement Jumber	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
240 C	Corrosion	CORROSION WITH UP TO 0.062 INVERT, UNDERNEATH THE W		THE	2	20	Feet
	Effectiveness (Steel DETERIORATED E Protective Coatings) CORROSION.		ER LINE, ALLOWING		3	120	120 Square Feet
Ge	eneral Comments						

Spa	an 3			Culvert Section 3						
Ste	el Round	Structura	al Plate							
	ement mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240		Steel Cu	lvert		20	0	20	0	0 1	eet
515		Steel Pro	tective Coating		628	508	0	120	0 :	Square Feet
Elemer Numbe	Dofo	ect Type		Defect Description			CS	CS Qty	Maint Qty	
240				I UP TO 0.0625" PITTIN EATH THE WATER LIN		THE	2	20		Feet
515		tiveness (Steel DETERIORATED BELOW WATER LINE, ALLOWING ctive Coatings) CORROSION.			}	3	120	120	Square Feet	
	General Co	omments								

Spa	an 3	Culvert Sect	ion 4				
Ste	el Round Structur	al Plate					
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
240	Steel Cu	ılvert	20	0	20	0	0 Feet
515	Steel Pr	otective Coating	628	508	0	120	0 Square Feet
Elemer Numbe	Dofoot Typo	Defect Descri	ption		CS	CS Qty	Maint Qty
240	Corrosion	CORROSION WITH UP TO 0.0625" INVERT, UNDERNEATH THE WATI		THE	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	LINE, ALLOWING		3	120	120 Square Feet
	General Comments						

Spa	an 3	Cı	ulvert Section 5						
Ste	el Round Structura	ll Plate							
	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cu	vert		20	0	20	0	0 F	eet
515	Steel Pro	tective Coating		628	508	0	120	0 8	Square Feet
Elemer Numbe	Dofoot Typo	[Defect Description			CS	CS Qty	Maint Qty	
240			P TO 0.0625" PITTING TH THE WATER LINE.		THE	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BEL CORROSION.	OW WATER LINE, AL	LOWING		3	120	120	Square Feet
	General Comments								

Span 3		Culvert Se	ection 6					
Steel Ro	und Structui	al Plate						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel C	ulvert	20	0	20	0	0 F	eet
515	Steel P	rotective Coating	628	508	0	120	0 8	Square Feet
lement umber	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
240 Corr	osion	CORROSION WITH UP TO 0.062		THE	2	20	·	Feet

Inspection Date: <u>05/10/2022</u> Structure Number: 560531

3

120

120 Square Feet

Effectiveness (Steel Protective Coatings) DETERIORATED BELOW WATER LINE, ALLOWING CORROSION.

General Comments

Spar	n 3	Culvert Sec	ction 7					
Opai	1 0	Curvert Set						
Stee	l Round Structura	l Plate						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cu	vert	20	0	20	0	0 F	eet
515	Steel Pro	tective Coating	628	508	0	120	0 S	quare Feet
Element Number	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH UP TO 0.0625 INVERT, UNDERNEATH THE WA		THE	2	20		Feet
	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	R LINE, ALLOWING		3	120	120	Square Feet
(General Comments							

Spa	an 3	Culvert Sec	ction 8				
Ste	el Round Structur	al Plate					
	ment mber Steel Cu	Element Name ulvert	Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel Pr	otective Coating	628	508	0	120	0 Square Feet
Elemer Numbe	Dofoct Typo	Defect Desc	ription		CS	CS Qty	Maint Qty
240	Corrosion	CORROSION WITH UP TO 0.0625 INVERT, UNDERNEATH THE WA		ГНЕ	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	R LINE, ALLOWING		3	120	120 Square Feet
	General Comments						

Spa	an 3	Culvert Sec	ction 9					
Stee	el Round Structura	l Plate						
	ment mber Steel Cul	Element Name vert	Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 F	Feet
515	Steel Pro	tective Coating	628	508	0	120	0 8	Square Feet
Elemen Numbe	Defect Tune	Defect Desc	ription		CS	CS Qty	Maint Qty	
240	240 Corrosion CORROSION WIT INVERT, UNDERN		" PITTING ALONG TER LINE.	THE	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	R LINE, ALLOWING		3	120	120	Square Feet

General Comments

Spa	Span 3		ection 10				
Stee	el Round Structu	ral Plate					
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
240	Steel 0	Culvert	20	0	20	0	0 Feet
515	Steel F	rotective Coating	628	508	0	120	0 Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	cription		CS	CS Qty	Maint Qty
240			H UP TO 0.0625" PITTING ALONG THE NEATH THE WATER LINE.		2	20	Feet
515	15 Effectiveness (Steel DETERIORATED B Protective Coatings) CORROSION.		ER LINE, ALLOWING		3	120	120 Square Feet
•	General Comments						

Span	Span 3		tion 11					
Steel	Round Structura	l Plate						
Elem Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
240	Steel Cul	vert	20	0	20	0	0 F	eet
515	Steel Pro	tective Coating	628	508	0	120	0 S	quare Feet
Element Number	Defect Type	Defect Descr	ription		CS	CS Qty	Maint Qty	
240	Corrosion	CORROSION WITH UP TO 0.0625 INVERT, UNDERNEATH THE WA	TH UP TO 0.0625" PITTING ALONG THE NEATH THE WATER LINE.		2	20		Feet
	Effectiveness (Steel Protective Coatings)	DETERIORATED BELOW WATER CORROSION.	LINE, ALLOWING		3	120	120	Square Feet
G	General Comments							

Span 3		Culvert Section 1	2						
Stee	el Round Structura	l Plate							
	ment nber Steel Cul	Element Name		Total Qty 20	CS1 Qty 0	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 F	eet
515	Steel Pro	tective Coating		628	508	0	120	0 S	quare Feet
Elemen Numbe	Dofoct Typo		Defect Description			CS	CS Qty	Maint Qty	
240			H UP TO 0.0625" PITTING ALONG THE IEATH THE WATER LINE.		ГНЕ	2	17		Feet
240	Scour FULL WIDTH X 2.5 OUTLET END.		5' HIGH X 3' BACK SCOUR AT THE			2	3		Feet
515	515 Effectiveness (Steel DETERIORATED B Protective Coatings) CORROSION.		ELOW WATER LINE,	ALLOWING		3	120	120	Square Feet
•	General Comments								

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Culvert Section 1	Steel Round Structural Plate	Steel Culvert	25
Span 1	Culvert Section 2	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 3	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 4	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 5	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 6	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 7	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 8	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 9	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 10	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 11	Steel Round Structural Plate	Steel Culvert	20
Span 1	Culvert Section 12	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 1	Steel Round Structural Plate	Steel Culvert	25
Span 2	Culvert Section 2	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 3	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 4	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 5	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 6	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 7	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 8	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 9	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 10	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 11	Steel Round Structural Plate	Steel Culvert	20
Span 2	Culvert Section 12	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 1	Steel Round Structural Plate	Steel Culvert	25
Span 3	Culvert Section 2	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 3	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 4	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 5	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 6	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 7	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 8	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 9	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 10	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 11	Steel Round Structural Plate	Steel Culvert	20
Span 3	Culvert Section 12	Steel Round Structural Plate	Steel Culvert	20

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 560531 Inspection Date: 05/10/2022

National Bridge Inventory Items

Item	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	N	Note:
Item 59: Superstructure	0 - 9 , N	N	Items 58,59,60,62 reflect this inspection only.
Item 60: Substructure	0 - 9 , N	N	For overall NBI coding grade,
Item 61: Channel and Channel Protection	0 - 9 , N	5	see cover sheet.
Item 62: Culvert	0 - 9 , N	4	
Item 71: Waterway Adequacy	0 - 9 , N	7	
Item 72: Approach Roadway Alignment	0 - 9 , N	8	

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Headwall	G, F, P, or C	G	0	4675
Wingwall	G, F, P, or C		0	3350
Scour	G, F, P, or C	F		
Drift	G, F, P, or C	F	30	3366
Estimated Remaining Life	G, F, P, or C			

Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Υ
Inspection Time	Hours	4
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 560531 Inspection Date: 05/10/2022

Item Channel and Channel Protection - Item 61 Grade 5 Maint Code Qty. 0 Details 40' WIDE X 20' LONG X 5' DEEP AREA OF STREAMBED DEGRADATION AT THE OUTLET END OF THE CULVERT WITH SCOUR UNDERNEATH ALL BARRELS. Item Culvert - Item 62 Grade 4 Maint Code Qty. 0 Details SCOUR ACROSS OUTLET END, CORROSION WITH COMPLETE SECTION LOSS TO INVERT OF BARREL 1 AND BARREL 3. (NOTE: INVERT OF BARREL 2 IS NOT VISIBLE DUE TO SEDIMENT AND ROCK BUILDUP) Item **Priority Maintenance Issued** Grade Y Maint Code Qty. 0 Details CORROSION Grade F Item Drift Maint Code 3366 Qty. 30 Details 25' WIDE X 5' HIGH X 3' DEEP DRIFT ACROSS BARREL 2 BARREL 2 AND 3: ROCK AND SEDIMENT BUILDUP UP TO 1' DEEP THE FULL LENGTH. SCATTERED BUILDUP IN BARREL 1. Item Headwalls Grade G Maint Code 4675 Qty. 0

Details STACKED STONE HEADWALLS



Span 3 Culvert Section 12: FULL WIDTH X 2.5' HIGH X 3' BACK SCOUR AT THE OUTLET END.



Span 2 Culvert Section 12: FULL WIDTH X 2.333' HIGH X 4' BACK SCOUR AT THE OUTLET END.



Span 1 Culvert Section 12: FULL WIDTH X 0.5' HIGH X 3' BACK SCOUR AT THE OUTLET END.



Span 2 Culvert Section 1: CORROSION WITH 0.0625" PITTING AND SCALE LOSS ALONG THE WATERLINE. BOTTOM PORTION NOT VISIBLE DUE TO ROCK AND SEDIMENT BUILDUP.



Span 2 Culvert Section 2: CORROSION WITH 0.0625" PITTING AND SCALE LOSS ALONG THE WATERLINE. BOTTOM PORTION NOT VISIBLE DUE TO ROCK AND SEDIMENT BUILDUP.



Span 2 Culvert Section 3: CORROSION WITH 0.0625" PITTING AND SCALE LOSS ALONG THE WATERLINE. BOTTOM PORTION NOT VISIBLE DUE TO ROCK AND SEDIMENT BUILDUP.



DRIFT 25' WIDE X 5' HIGH X 3' DEEP ACROSS BARREL 2.



Span 1 Culvert Section 1: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 2: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 3: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 4: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 5: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 6: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 7: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)



Span 1 Culvert Section 8: SEDIMENT AND ROCK HAS WASHED OUT OF THE PIPE EXPOSING THE INVERT. CORROSION WITH MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 3" LONG. THE STREAM IS INTRUDING UNDERNEATH THE CULVERT. (PAR)

Structure: 560531 County: MADISON Date: 05/10/2022 Condition Photos



Span 3 Culvert Section 1: SEDIMENT AND ROCK WASHED OUT OF PIPE FOR 25' BEGINNING AT THE INLET. EXPOSED MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 6" DEEP. (PAR)



Span 3 Culvert Section 1: SEDIMENT AND ROCK WASHED OUT OF PIPE FOR 25' BEGINNING AT THE INLET. EXPOSED MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 6" DEEP. (PAR)

Structure: 560531 County: MADISON Date: 05/10/2022 Condition Photos



Span 3 Culvert Section 1: SEDIMENT AND ROCK WASHED OUT OF PIPE FOR 25' BEGINNING AT THE INLET. EXPOSED MULTIPLE AREAS OF COMPLETE LOSS IN THE CORRUGATIONS UP TO 5' WIDE X 6" DEEP. (PAR)



Span 3 Culvert Section 12: CORROSION WITH UP TO 0.0625" PITTING ALONG THE INVERT, UNDERNEATH THE WATER LINE.

Structure Number: 560531 Inspection Date 05/10/2022 Barrel Number 1 90° Length along centerline (ft) 245.0 Height Crown to Bed (ft) 54.0 Fill Depth (ft) 44.0 Skew Barrel Height (ft) 10.0 Section 1 Details Barrel Width (ft) 10.0 Steel Section Type Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Steel Bolt Diameter (in) 0.75 Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 2 Details 10.0 Barrel Height (ft) 10.0 Barrel Width (ft) Steel Section Type Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 Bolt Diameter (in) 0.75 **Bolt Material** Steel Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 3 Details Barrel Height (ft) 10.0 Barrel Width (ft) 10.0 Section Type Steel Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Steel Bolt Diameter (in) 0.75 Longitudinal Bolts: Number of Rows 2 Spacing (in) Transverse Spacing between Bolt Rows (in) 2.0 Section 4 Details Barrel Width (ft) Barrel Height (ft) 10.0 10.0 Section Type Arch Material Steel Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Bolt Diameter (in) 0.75 Steel Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 5 Details Barrel Height (ft) 10.0 Barrel Width (ft) 10.0 Steel Section Type Arch Material Corrugation Pattern 6 X 2 **Bolt Material** Bolt Diameter (in) 0.75 Top Radius (ft) 0.0 Steel Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 6 Details Barrel Height (ft) 10.0 Barrel Width (ft) 10.0 Section Type Steel Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Steel Bolt Diameter (in) 0.75 Longitudinal Bolts: Number of Rows 2 Spacing (in) Transverse Spacing between Bolt Rows (in) 2.0 Section 7 Details Barrel Width (ft) Barrel Height (ft) 10.0 10.0 Section Type Steel Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Bolt Diameter (in) 0.75 Steel

Spacing (in)

2.0

Barrel Height (ft) 10.0

3.0

Barrel Width (ft)

10.0

Longitudinal Bolts: Number of Rows 2

Section 8 Details

Transverse Spacing between Bolt Rows (in)

Structure Number: 560531 Inspection Date 05/10/2022

Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2.0</u>	
Section 9 Details Barrel Height (ft) <u>10.0</u>	Barrel Width (ft)
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2</u> .0	_
Section 10 Details Barrel Height (ft) <u>10.0</u>	Barrel Width (ft)10.0
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2.0</u>	_
Section 11 Details Barrel Height (ft)10.0	Barrel Width (ft)10.0
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2</u> .0	_
Section 12 Details Barrel Height (ft)10.0	Barrel Width (ft)10.0
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	eel Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2.0</u>	_

Structure Number: 560531

Pipe Thickness Measurements

Location (ft)	Thickness (in)	Comment
1	0.222	
24	0.222	
26	0.223	
44	0.225	
46	0.228	
64	0.225	
66	0.227	
84	0.223	
86	0.223	
104	0.221	
106	0.227	
124	0.229	
126	0.229	
144	0.226	
146	0.225	
164	0.225	
166	0.224	
184	0.224	
186	0.225	
204	0.227	
206	0.229	
224	0.226	
226	0.23	
244	0.231	

Structure Number: 560531 Inspection Date 05/10/2022 Barrel Number 2 90° Length along centerline (ft) 245.0 Height Crown to Bed (ft) 54.0 Fill Depth (ft) 44.0 Skew Barrel Height (ft) 10.0 Section 1 Details Barrel Width (ft) 10.0 Steel Section Type Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Steel Bolt Diameter (in) 0.75 Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 2 Details 10.0 Barrel Height (ft) 10.0 Barrel Width (ft) Steel Section Type Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 Bolt Diameter (in) 0.75 **Bolt Material** Steel Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 3 Details Barrel Height (ft) 10.0 Barrel Width (ft) 10.0 Section Type Steel Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Steel Bolt Diameter (in) 0.75 Longitudinal Bolts: Number of Rows 2 Spacing (in) Transverse Spacing between Bolt Rows (in) 2.0 Section 4 Details Barrel Width (ft) Barrel Height (ft) 10.0 10.0 Section Type Arch Material Steel Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Bolt Diameter (in) 0.75 Steel Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 5 Details Barrel Height (ft) 10.0 Barrel Width (ft) 10.0 Steel Section Type Arch Material Corrugation Pattern 6 X 2 **Bolt Material** Bolt Diameter (in) 0.75 Top Radius (ft) 0.0 Steel Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0 Transverse Spacing between Bolt Rows (in) 2.0 Section 6 Details Barrel Height (ft) 10.0 Barrel Width (ft) 10.0 Section Type Steel Arch Material Corrugation Pattern 6 X 2 Top Radius (ft) 0.0 **Bolt Material** Steel Bolt Diameter (in) 0.75 Longitudinal Bolts: Number of Rows 2 Spacing (in) Transverse Spacing between Bolt Rows (in) 2.0 Section 7 Details Barrel Width (ft) Barrel Height (ft) 10.0 10.0 Section Type Steel Arch Material Corrugation Pattern 6 X 2

Bolt Material

2.0

Barrel Height (ft) 10.0

Spacing (in)

Steel

3.0

Barrel Width (ft)

10.0

Bolt Diameter (in) 0.75

Top Radius (ft) 0.0

Section 8 Details

Longitudinal Bolts: Number of Rows 2

Transverse Spacing between Bolt Rows (in)

Structure Number: 560531 Inspection Date 05/10/2022

Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2.0</u>	
Section 9 Details Barrel Height (ft) <u>10.0</u>	Barrel Width (ft)
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2</u> .0	_
Section 10 Details Barrel Height (ft) <u>10.0</u>	Barrel Width (ft)10.0
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2.0</u>	_
Section 11 Details Barrel Height (ft)10.0	Barrel Width (ft)10.0
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2</u> .0	_
Section 12 Details Barrel Height (ft)10.0	Barrel Width (ft)10.0
Section Type Arch	Material Steel	Corrugation Pattern 6 X 2
Top Radius (ft) 0.0	Bolt Material Ste	eel Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2	Spacing (in)	3.0
Transverse Spacing between Bolt Rows (in) <u>2.0</u>	_

Structure Number: 560531

Pipe Thickness Measurements

Location (ft)	Thickness (in)	Comment
1	0.225	
24	0.223	
26	0.225	
44	0.228	
46	0.227	
64	0.229	
66	0.225	
84	0.224	
86	0.228	
104	0.223	
106	0.223	
124	0.227	
126	0.224	
144	0.227	
146	0.225	
164	0.222	
166	0.229	
184	0.225	
186	0.227	
204	0.223	
206	0.224	
224	0.228	
226	0.227	
244	0.226	

Structure Number: 560531	Inspection Date 05/10/2022
Barrel Number 3	mopeodon bate 00/10/2022
Skew 90° Length along centerline (ft) 245.0 Height Crown to Bed (ft)	54.0 Fill Depth (ft) 44.0
Section 1 Details Barrel Height (ft) 10.0 Barrel Width (ft)	10.0
Section Type Arch Material Steel Corruga	ation Pattern 6 X 2
Top Radius (ft) 0.0 Bolt Material Steel	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0	
Transverse Spacing between Bolt Rows (in) 2.0	
Section 2 Details Barrel Height (ft) 10.0 Barrel Width (ft)	10.0
Section Type Arch Material Steel Corruga	ation Pattern
Top Radius (ft) 0.0 Bolt Material Steel	Bolt Diameter (in) 0.75
Longitudinal Bolts: Number of Rows 2 Spacing (in) 3.0	
Transverse Spacing between Bolt Rows (in) 2.0	
Section 3 Details Barrel Height (ft) 10.0 Barrel Width (ft)	10.0

Steel

Steel

Steel

Steel

Steel

Spacing (in)

Spacing (in)

Spacing (in)

Spacing (in)

Spacing (in)

Steel

Steel

Steel

Steel

Steel

3.0

3.0

3.0

Barrel Width (ft)

Barrel Width (ft) 10.0

Barrel Width (ft)

Barrel Width (ft)

Barrel Width (ft)

Corrugation Pattern

10.0

Corrugation Pattern

Corrugation Pattern

10.0

Corrugation Pattern

10.0

Corrugation Pattern

10.0

Bolt Diameter (in) 0.75

Material

2.0

10.0

Material

2.0

10.0 Material

Bolt Material

10.0

Material

2.0

10.0

Material

2.0

10.0

Bolt Material

Bolt Material

Bolt Material

Barrel Height (ft)

Bolt Material

Section Type

Section 4 Details

Section 5 Details

Section 6 Details

Section 7 Details

Section 8 Details

Section Type

Top Radius (ft) 0.0

Top Radius (ft) 0.0

Arch

Longitudinal Bolts: Number of Rows 2

Transverse Spacing between Bolt Rows (in)

Structure Number: 560531 Inspection Date 05/10/2022

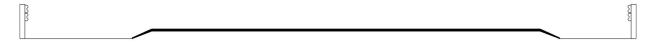
Section Type	Arch	Material	Steel		Corrugation I	Pattern	
Top Radius (ft)	0.0	Bolt Materi	ial Ste	el	_	Bolt Diameter (in)	0.75
Longitudinal Bol	lts: Number of Rows 2	Spac	cing (in)	3.0			
Transverse Spa	cing between Bolt Rows (i	n) 2.0					
Section 9 Details	Barrel Height (f	t) <u>10.0</u>		Barrel Wid	Ith (ft)10.0	_	
Section Type	Arch	Material	Steel		Corrugation I	Pattern	
Top Radius (ft)	0.0	Bolt Materi	ial Ste	el	_	Bolt Diameter (in)	0.75
Longitudinal Bol	lts: Number of Rows 2	Spac	cing (in)	3.0			
Transverse Spa	cing between Bolt Rows (i	n) <u>2.0</u>		_			
Section 10 Details	Barrel Height (f	t) <u>10.0</u>		Barrel Wid	Ith (ft)10.0	_	
Section Type	Arch	Material	Steel		Corrugation I	Pattern	
Top Radius (ft)	0.0	Bolt Materi	ial Ste	el	_	Bolt Diameter (in)	0.75
Longitudinal Bol	lts: Number of Rows 2	Spac	cing (in)	3.0			
Transverse Spa	cing between Bolt Rows (i	n) <u>2.0</u>		_			
Section 11 Details	Barrel Height (f	t) <u>10.0</u>		Barrel Wid	Ith (ft)10.0	_	
Section Type	Arch	Material	Steel		Corrugation I	Pattern	
Top Radius (ft)	0.0	Bolt Materi	ial Ste	el	_	Bolt Diameter (in)	0.75
Longitudinal Bol	lts: Number of Rows 2	Spac	cing (in)	3.0			
Transverse Spa	cing between Bolt Rows (i	n) <u>2.0</u>		_			
Section 12 Details	Barrel Height (f	t)10.0		Barrel Wid	Ith (ft)10.0	_	
Section Type	Arch	Material	Steel		Corrugation I	Pattern	
Top Radius (ft)	0.0	Bolt Materi	ial Ste	el	_	Bolt Diameter (in)	0.75
Longitudinal Bol	lts: Number of Rows 2	Spac	cing (in)	3.0			
Transverse Spa							

Structure Number: 560531

Pipe Thickness Measurements

Location (ft)	Thickness (in)	Comment
1	0.225	
24	0.224	
26	0.226	
44	0.224	
46	0.226	
64	0.225	
66	0.223	
84	0.223	
86	0.224	
104	0.224	
106	0.222	
124	0.224	
126	0.224	
144	0.224	
146	0.228	
164	0.224	
166	0.223	
184	0.225	
186	0.23	
204	0.228	
206	0.229	
224	0.224	
226	0.225	
244	0.225	

Bridge Inspection Field Sketch

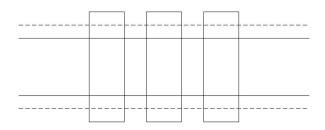


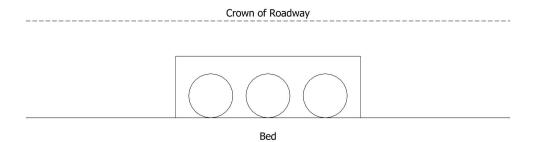
Measurements taken at the Culvert

Roadway	19.9ft Wide	2 Paved Lanes	Looking North
Left Shoulder	1ft Wide	1ft Paved	
Right Shoulder	1ft Wide	1ft Paved	
Left Guardrail	6.750ft from road		
Right Guardrail	4.917ft from road		

Title Approach Roadway			Description Looking				
Structure No: 560531	Drawn By:	Dennis Wilson		Date:	5/9/2022	Filename:	S00000001121.wes

Bridge Inspection Field Sketch





Number of Barrels Skew		Distance From Crown to Bed	Fill Depth		
3 90°		54ft 44ft			
Length Along Center Line	of Pipe	Length Along Center Line of Roadway			
245ft		41.250ft			
Left Edge of Road to Co	ulvert	Right Edge of Road to Culvert			
112.5ft		112.5ft			

Barrel #	Width	Height	Distance From Previous Pipe	Туре
1	10ft	10ft		Steel Round Structural Plate
2	10ft	10ft	5ft	Steel Round Structural Plate
3	10ft	10ft	5ft	Steel Round Structural Plate

Speed Limit: 45MPH Lt: Road to Rail 6'-9" Rt: Road to Rail 4'-11"

Title Pipe			Descriptio Pipe Det				
Structure No: 560531	Drawn By:	Dennis Wilson		Date:	5/9/2022	Filename:	S00000001123.wes

Structure: 560531 County: MADISON Date: 05/10/2022 Structure Photos



SOUTH APPROACH LOOKING NORTH



NORTH APPROACH LOOKING SOUTH

Structure: 560531 County: MADISON Date: 05/10/2022 Structure Photos

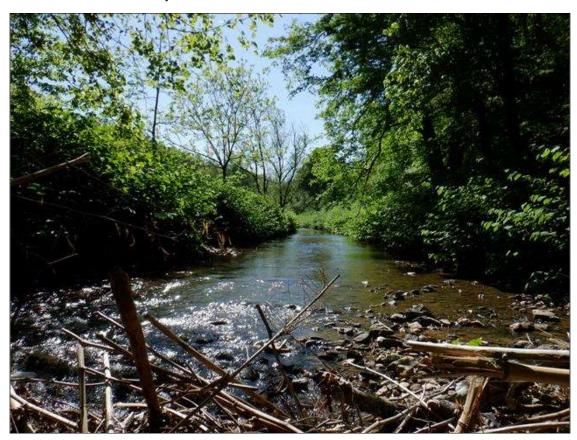


DOWNSTREAM PROFILE



LOOKING DOWNSTREAM

Structure: 560531 County: MADISON Date: 05/10/2022 Structure Photos



LOOKING UPSTREAM



UPSTREAM PROFILE