

ATTENTION: HURRICANE HELENE

BRIDGE FAILURE, ROADWAY CLOSED

Structure Safety Report

High Water Supplemental

STRUCTURE NUMBER: 600229	SAP STRUCTURE NO:	0610229	FHWA STRUCTURE	NO: 00000000	1210229
DIVISION: 13 COUNTY: MITCHEL	L INSPEC	TION DATE: 10/09/20)24 FREQUEN	ICY: None	
FACILITY CARRIED: SR1357			MILE POST:		
LOCATION: .01 N.JCT.SR1336					
FEATURE INTERSECTED: NORTH TOE	RIVER		-		
LATITUDE : 35° 59' 33.58"	LONGITUDE:	82° 15' 28.3"		_	
SUPERSTRUCTURE: RC FL.& PPC DE	CK PANELS ON PPC GD	R.(S.I.P.METAL FORM	1S)		
SUBSTRUCTURE: E.BTS&INT.BT4:RC C	CAPS/H-PILES;INT.BTS1-	3:REINF.CONC.P&B			
SPANS: 5 SPANS. SEE SPAN PROFI	LE SHEET FOR SPAN DE	ETAILS			
FRACTURE CRITICAL TEMPO	ORARY SHORING	SCOUR CRITICAL	SCOUR PLA	N OF ACTION	
GRADES: (Inspector/NBI Coding) DECK	SUPERSTRUCTUR	RE 0/6 SUBSTE	RUCTURE 0/7	CULVERT N/	N
POSTED SV: Not Posted		POSTED TTST: Not F	Posted		
OTHER SIGNS PRESENT: NONE			Sign noticed issued for		Number Required
	at a State of the		NO V	WEIGHT LIMIT	0
SECONDARY SECURITY		The second	NO [DELINEATORS	0
		Market Market State of the Stat	NO NA	RROW BRIDGE	0
a and the second se	p.t		NO ONI	E LANE BRIDGE	0
		THE REAL PROPERTY.	NO LO	W CLEARANCE	0
			DIRECTIOI INSPECT DIRECTI MATCHES F	ION S-IN	
south approach looking north					
INSPECTED BY	SIGNATURE (ASSISTED BY CA		

Structure: 600229 County: MITCHELL Date: 10/09/2024 Condition Photos

SR1357

Roadway	182ft Wide		Looking North
Left Shoulder	9ft Wide	9ft Paved	
Right Shoulder	9ft Wide	9ft Paved	
Left Guardrail			
Right Guardrail			

MEASUREMENTS TAKEN AT 50 FEET EAST OF INTERSECTION AT SOUTH END

Title APPROACH ROADWAY SKETCH		Description SUPERSTRUCTURE				
Structure No: 600229	Drawn By: ZK	Date: 10/27/2023	Filename: S001170000429.wes			

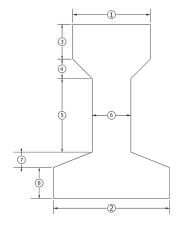
Deck Width/Out to Out	63.667ft	Betwee	n Rails			60.33ft
Clear Roadway	60.333ft	Wearing	Wearing Surface			
Median Width		Median	Median Height			
Curb Height		Left		Right		
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	15in	Right	15in	
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.66	7ft
Bridge Rail Type		Left	Type 4	Right	Туре	e 4



Measurements for Span #	1		
Deck Thickness	8.00in	Left Overhang	2.25ft
Top of Rail to Bottom of Beam (Avg)	6.500ft	Right Overhang	2.25ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Prestressed Concrete Girder	18in	36in	2.25ft	Left Edge of Deck
2	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 1
3	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 2
4	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 3
5	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 4
6	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 5
7	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 6
8	Prestressed Concrete Girder	18in	36in	8.458ft	Beam 7

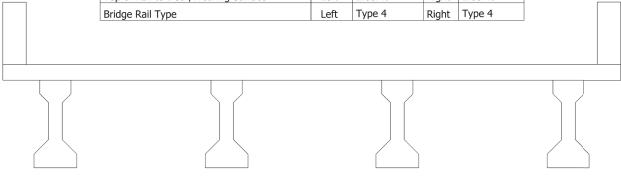
NOTE: MEASUREMENT TAKEN AT NEAR END OF SPAN. SPAN 1 IS FLARED AND NARROWS AT FAR END



Spar	Span 1		
1	12in		
2	18in		
3	6in		
4	3in		
5	15in		
6	6in		
7	6in		
8	6in		

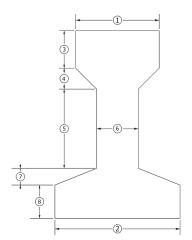
Title TYPICAL SECTION (SPAN 1)		Description SUPERSTRUCTURE				
Structure No: 600229	Drawn By: ZK	Date: 10/27/2023	Filename: S001170000430.wes			

Deck Width/Out to Out	26.5ft	Betwee	Between Rails			24.667ft
Clear Roadway	24ft	Wearing	Wearing Surface			
Median Width		Median Height				
Curb Height		Left		Right		
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	15in	Right	15ir	1
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.66	57ft
Bridge Rail Type		Left	Type 4	Right	Тур	e 4



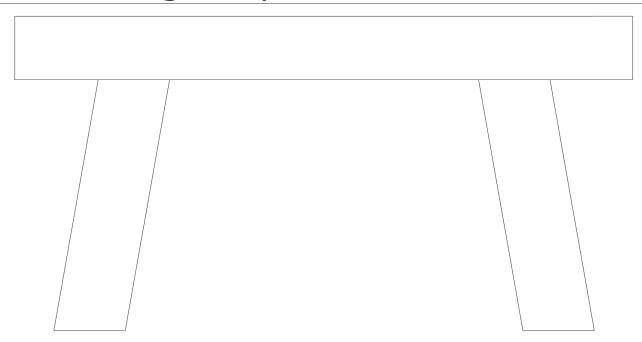
Measurements for Span #	2 to 5		
Deck Thickness	8.00in	Left Overhang	2.25ft
Top of Rail to Bottom of Beam (Avg)	7.250ft	Right Overhang	2.25ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Prestressed Concrete Girder	22in	45in	2.25ft	Left Edge of Deck
2	Prestressed Concrete Girder	22in	45in	7.33ft	Beam 1
3	Prestressed Concrete Girder	22in	45in	7.33ft	Beam 2
4	Prestressed Concrete Girder	22in	45in	7.33ft	Beam 3



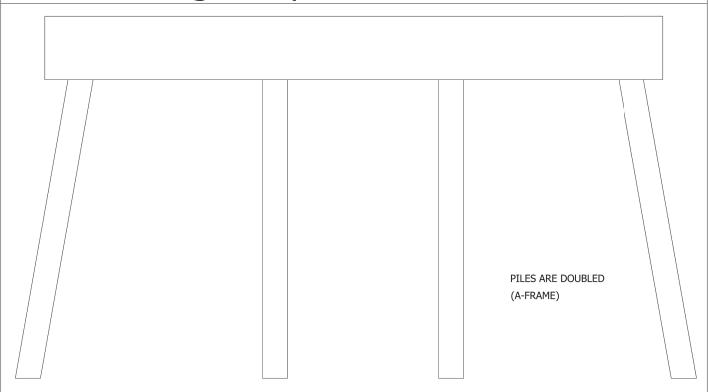
Spans 2 to 5				
1	16in			
2	22in			
3	7in			
4	4.5in			
5	19in			
6	7in			
7	7.5in			
8	7in			
8	7in			

Title TYPICAL SECTION (SPANS 2	TO 5)	Description SUPERSTRUCTURE					
Structure No: 600229	Drawn By: ZK	Date: 10/27/2023	Filename: S001170000431.wes				



Ca	Caps											
#	Name Type		Le	ength Width		th	Height	Left Beam to End of Cap		Right Beam to End of Cap		
1	Cap 1	1 Reinforced Concrete Pier Cap 2		25	.5ft	36in		24in	2ft		2.040ft	
Pi	Piles											
#	Name Type			Spacin	g	From			Height/Diam	. Width	Length	
1	Pile 1 Reinforced Concrete Column		n	4.5ft Left End of Bent		36in		23ft				
2	2 Pile 2 Reinforced Concrete Column		16.5ft		Pile 1			36in		23ft		

INTERIOR BENTS (1 TO 3)				SUBSTRUCTURE				
Structure No: 600229	Drawn By:	ZK		Date:	10/27/2023	Filename:	S001170000432.wes	



Caps									
#	Name	Туре	Length	Width	Height	Left Beam to	End of Cap	Right Beam to End of Cap	
1	Cap 1	Reinforced Concrete Pier Cap	26.2ft	44in	in 33in 2ft		1.970ft		
Pil	es								
#	Name	Туре	Spacin	ing From		Height/Diam	n. Width	Length	
1	Row 2 Pile 1	Steel Pile	1.5ft	Lef	Left End of Bent		12.65in		10ft
1	Row 1 Pile 1	Steel Pile	1.5ft	Lef	Left End of Bent		12.65in		10ft
2	Row 2 Pile 2	Steel Pile	8.167f	t Rov	Row 2 Pile 1		12.65in		10ft
2	Row 1 Pile 2	Steel Pile	8.167f	t Rov	Row 1 Pile 1		12.65in		10ft
3	Row 2 Pile 3	Steel Pile	7.417f	t Rov	Row 2 Pile 2		12.65in		10ft
3	Row 1 Pile 3	Steel Pile	7.417f	t Rov	Row 1 Pile 2		12.65in		10ft
4	Row 2 Pile 4	Steel Pile	7.583f	t Rov	Row 2 Pile 3		12.65in		10ft
4	Row 1 Pile 4	Steel Pile	7.583f	t Rov	v 1 Pile 3		12.65in		10ft

Title INTERIOR BENT 4				Description SUBSTRUCTURE				
Structure No: 600229	Drawn By:	ZK		Date:	10/27/2023	Filename:	S001170000433.wes	

Structure: 600229 County: MITCHELL Date: 10/09/2024 Structure Photos



south approach looking north



east profile, looking west