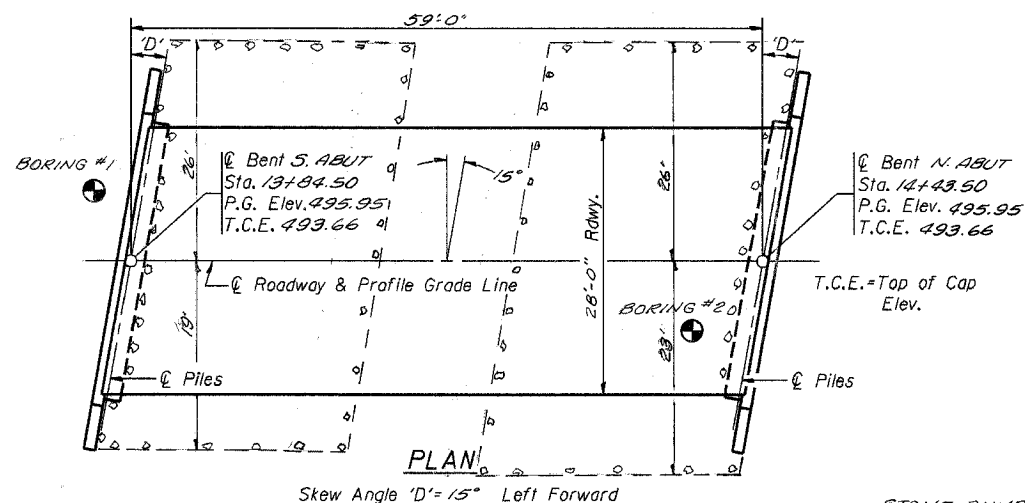
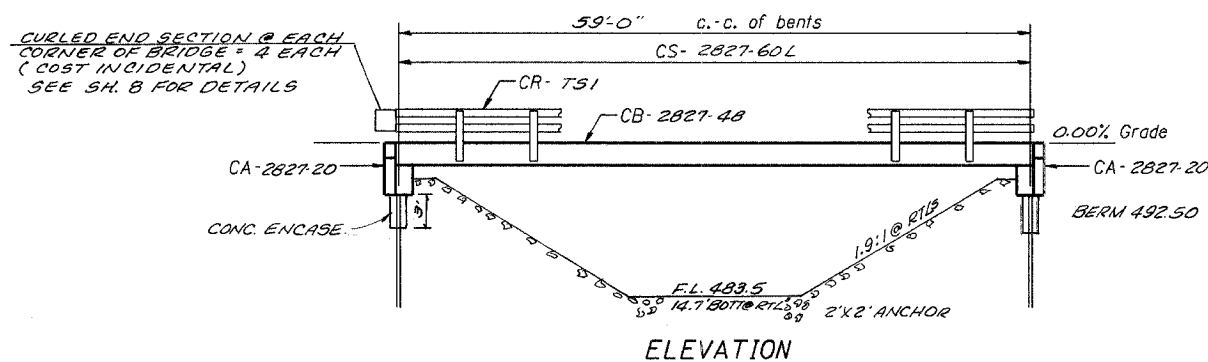


ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
		JASPER	10	4
FED. ROAD DIST. NO. 7				
ILLINOIS FED. AID PROJECT BR05-079 (130)				
SEC. 05-05117-00-BR				

-B.M.-  
-Existing Structure-  
-Salvage-



**GENERAL NOTES**

- The Contractor shall drive 1 test piles, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- See Special Provisions for boring logs.
- A Corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

**TOTAL BILL OF MATERIAL**

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each				1
Bituminous Concrete Surface Course, Superpave	Ton				
Waterproofing Membrane System	Sq. Yd.				
Concrete Structures	Cu. Yd.			22.2	22.2
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1680			1680
Steel Bridge Rail, Type SM	-Foot-				
Steel Railing, Type S-1	Foot	120			120
Reinforcement Bars	Pound			2680	2680
Furnishing STEEL PILES HP 10X42	Foot			270	270
Driving PILES	Foot			270	270
Test Piles STEEL HP 10X42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.			2.6	2.6
Portland Cement Mortar Fairing Course	-Foot-				
STONE DUMPED RIPRAP CL AA	TON			125	125

STONE DUMPED RIPRAP  
12" THICK  
125 TON

**DESIGN SPECIFICATIONS**  
2002 AASHTO Standard Specifications - 17th ed.

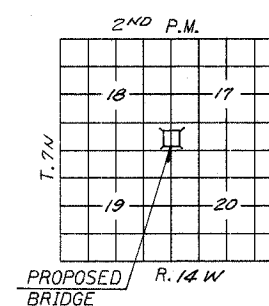
**LOADING HS20-44**  
Allow 25#/sq. ft. for future wearing surface.

**SEISMIC DATA**  
Seismic Performance Category (SPC) =  
Bedrock Acceleration Coefficient (A) =  
Site Coefficient (S) =

**PILE DATA (2-ABUTS.)**  
Type STEEL HP 10X42  
Capacity Tons REFUSAL  
Estimated Length Feet 30'  
Number Required 10 (Includes 1 Test Pile located in Bent #1) S. ABUT.

STATION 14+14  
PROJECT NO. BR05-079(130)  
SEC. 05-05117-00-BR BUILT 2007  
JASPER COUNTY  
LOADING HS20  
STR. NO. 040-3251

**LETTERING FOR NAME PLATE**  
Locate Name Plate at SOUTHEAST Corner of Bridge (See Std. CN)



**WATERWAY INFORMATION**

Drainage Area = 7.67 SQ. MI. Low Grade Elev. = 490.1 @ Sta. 8+00										
Flood	Freq. Yr.	C.F.S.		Opening Sq. Ft.		Nat. Head - Ft.		Headwater El.		
		Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	15	1118	171	289	492.5		0.1	492.6	746	353
Base	100	1754	171	316	493.0		0.3	493.3	974	460
Overtopping										
Max. Calc.	500	2260			493.3		0.5	493.8		

**INDEX OF SHEETS**

- General Plan & Elevation
- Standard CS-2827-60L
- Standard CB-2827-48
- Standard CA-2827-20
- Standard CE-751
- Standard CN
- Standard CX-1
- Standard
- Standard

**GENERAL PLAN & ELEVATION**  
OVER ROUTE 302  
SECTION 05-05117-00-BR  
JASPER COUNTY  
STATION 14+14