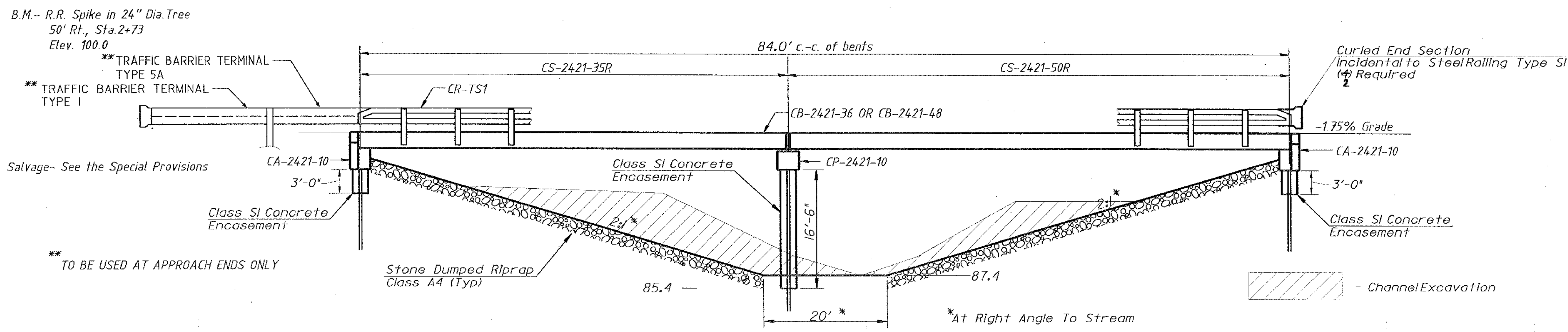
#99196

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 200	*	JACKSON	14	5
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-BROS-0772(5)		

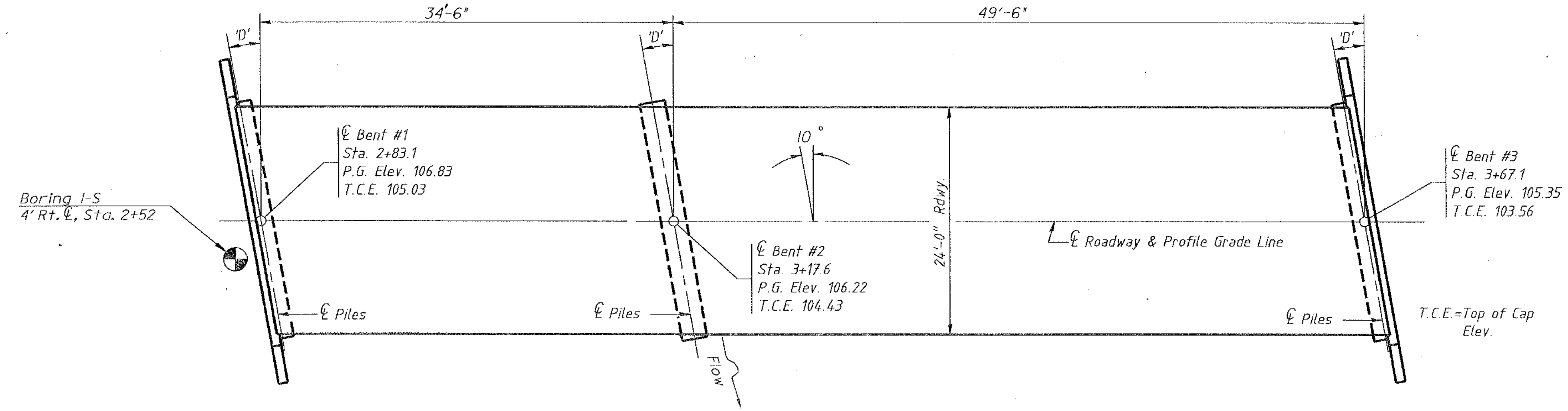
* 01-16117-00-BR



ELEVATION

GENERAL NOTES

1. The Contractor shall remove what is left of the existing structure and transport to an approved landfill or permanent location approved by the Engineer. This work shall be incidental to Channel Excavation.
2. See Special Provisions for boring logs.
3. The Waterproofing Membrane System and the Bituminous Concrete Surface Course shown on the Standards shall not be provided.
4. A corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
5. Structure Excavation shall be incidental to Concrete Structures.
6. See Sheet 2 for limits of riprap.



PLAN

Skew Angle 'D'= 10° Right Forward

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Channel Excavation	Cu. Yd.	——	——	——	450
Concrete Structures*	Cu. Yd.	——	6	16.8	22.8
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	2040	——	——	2040
Steel Railing, Type S-1	Foot	170	——	——	170
Reinforcement Bars	Pound	——	560	1840	2400
Furnishing Steel Piles HP10X42	Foot	——	——	482	482
Furnishing Steel Piles HP12X53	Foot	——	345	——	345
Driving Steel Piles	Foot	——	345	482	827
Test Pile Steel HP 10X42	Each			1	1
Name Plates	Each	1	——	——	1
Class SI Concrete Encasement	Cu. Yd.	——	9.2	2.1	11.3
Stone Dumped Riprap, Class A4	Tons	——	——	——	285
Traffic Barrier Terminal, Ty 1	Each	2			2
Traffic Barrier Terminal, Ty 5A	Each	2			2

*Concrete Structures at abutments is reduced from Standard CA-2421-10 to reflect reduction caused by removal of Bituminous Concrete Surface Course Class I from the deck.

NOTE: The Article or Section numbers referencing the Standard Specifications for Road and Bridge Construction as shown on the standard bridge plan sheets included with the contract plans should be interpreted as referring to the current edition of the Standard Specification (Adopted January 1, 1997) as shown in the "Article/Section No. Reference Table".

ARTICLE/SECTION NO. REFERENCE TABLE

Previous No.	Current No.
504.06	504.06
505.04	505.04
706.05	1006.05
706.32	1006.32
760.07	1060.07

Expires 11-30-04

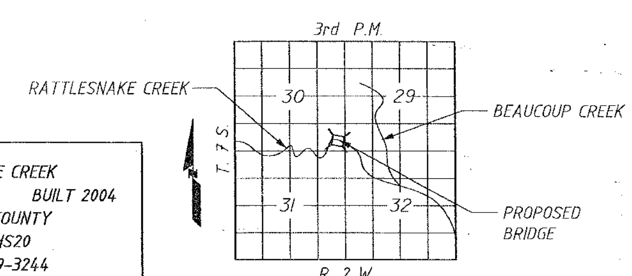
PILE DATA (1-PIER)

Type: Steel HP12X53
Capacity: Refusal
Estimated Length: 69 Feet
Number Required: 5

RATTLESNAKE CREEK
SEC. 01-16117-00-BR BUILT 2004
JACKSON COUNTY
LOADING HS20
STR. NO. 039-3244

LETTERING FOR NAME PLATE

Locate Name Plate at Southeast Corner of Bridge (See Std. CN)



LOCATION SKETCH

DESIGN SPECIFICATIONS

1996 AASHTO with 1997 to 2000, 2002 Interim

SEISMIC DATA

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.125
Site Coefficient (S) = 1.5

PILE DATA (2-ABUTS)

Type: Steel HP10X42
Capacity: Refusal
Estimated Length: 70 Feet Bent #1, 68' Bent #3
Number Required: 8

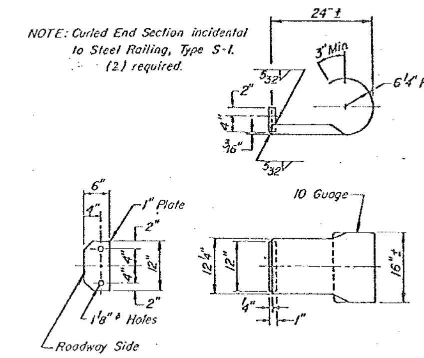
DESIGN SPECIFICATIONS

1996 AASHTO
HS20-44 Loading. Load Factor Design.

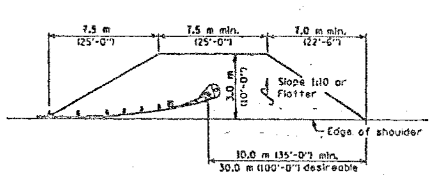
WATERWAY INFORMATION

Drainage Area = 24 Sq. Mi. Low Grade Elev. = 104.32 @ Sta. 4+62

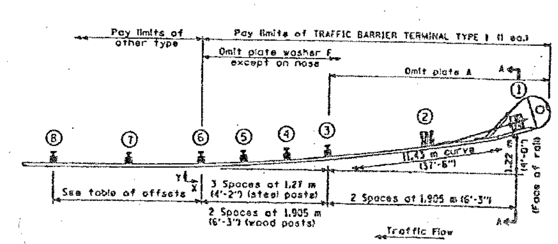
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	4475	——	735	102.6	——	0.33	——	102.93
Base	100	6880	——	868	105.1	——	0.67	——	105.77
Overtopping									
Max. Calc.	500	8980	——	868	106.5	——		——	——



CURLED END SECTION DETAILS

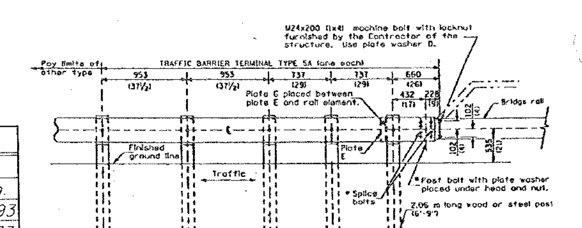


SHOULDER WIDENING TRANSITION



PLAN

TRAFFIC BARRIER TERMINAL, TYPE1 (2)



TYPE 5A - STEEL BRIDGE RAIL (2)

GENERAL PLAN & ELEVATION
TWP. ROUTE 200
OVER RATTLESNAKE CREEK
SECTION 01-16117-00-BR
JACKSON COUNTY
STATION 3+25