

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 214	05-01127-00-BR	JASPER	14	5
CONTRACT NO. 95451		ILLINOIS	PROJECT BROS-079(131)	

Construction Permits - The requirements of the Division of Water Resources have been fulfilled with Statewide Permit No. 2.

GENERAL NOTES

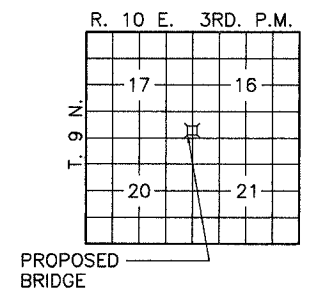
- See Special Provisions for boring logs.
- Channel Excavation: This material shall be excavated as shown within the limits of the proposed bridge then tapered to the existing channel at the Roadway R.O.W. It is estimated that 50% of the Channel Excavation will be suitable for use in the embankment. Unsuitable material shall be disposed of by the Contractor.
- The Contractor shall drive 1 test pile as specified in Bent #2 before ordering the remaining piles.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each				1
Concrete Structures	Cu.Yds.			22.6	22.6
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq.Ft.	2025			2025
Steel Railing, Type S-1	Foot	150			150
Reinforcement Bars	Pound			2700	2700
Furnishing Steel Piles HP 12 X 53	Foot			405	405
Driving Steel Piles	Foot			405	405
Test Pile Steel HP 12 X 53	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu.Yds.			3.4	3.4
Aggregate Base Course, Type B	Tons			60	60
Stone Dumped Riprap, Class A-4	Tons			150	150
Channel Excavation	Cu.Yds.			220	220
Fence (Erosion Control)	Foot			250	250

INDEX OF SHEETS

- GENERAL PLAN & ELEVATION
- STANDARD CS-2733-75R
- STANDARD CB-2733-36
- STANDARD CA-2733-20
- STANDARD CR-TS1
- STANDARD CN
- STANDARD CX-1



LOCATION SKETCH

I certify these Standard Bridge Plans for foundation treatment only.

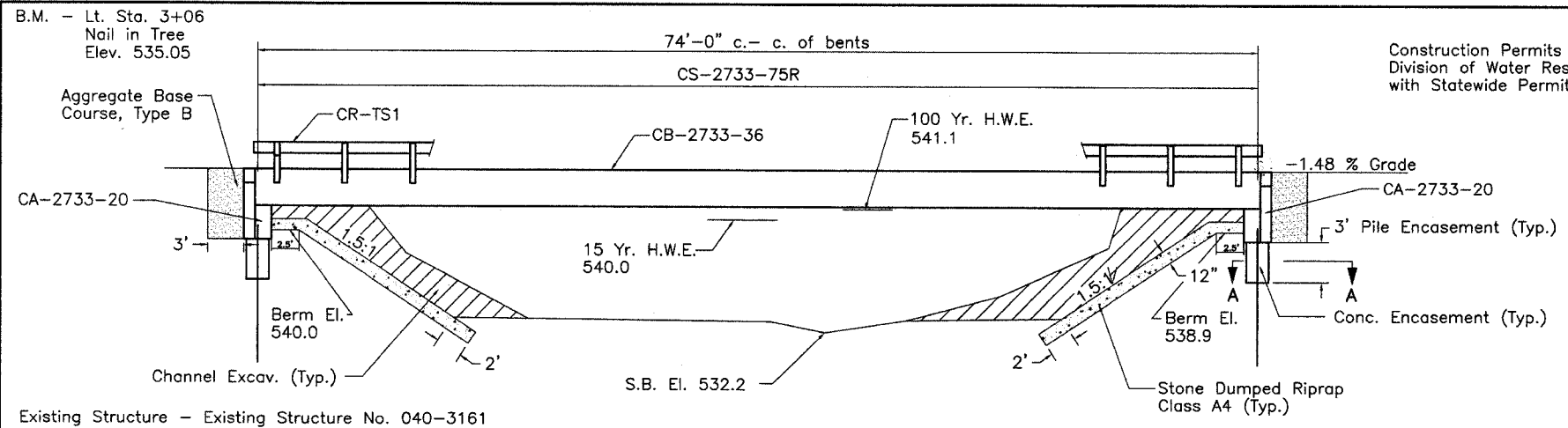
STATION 3+00.00
WEST CROOKED CREEK
SEC. 05-01127-00-BR BUILT 200
JASPER COUNTY
PROJECT BROS-079(131)
LOADING HS20
STR. NO. 040-3252

LETTERING FOR NAME PLATE

Locate Name Plate at S.W. corner of Bridge (See Std. CN)

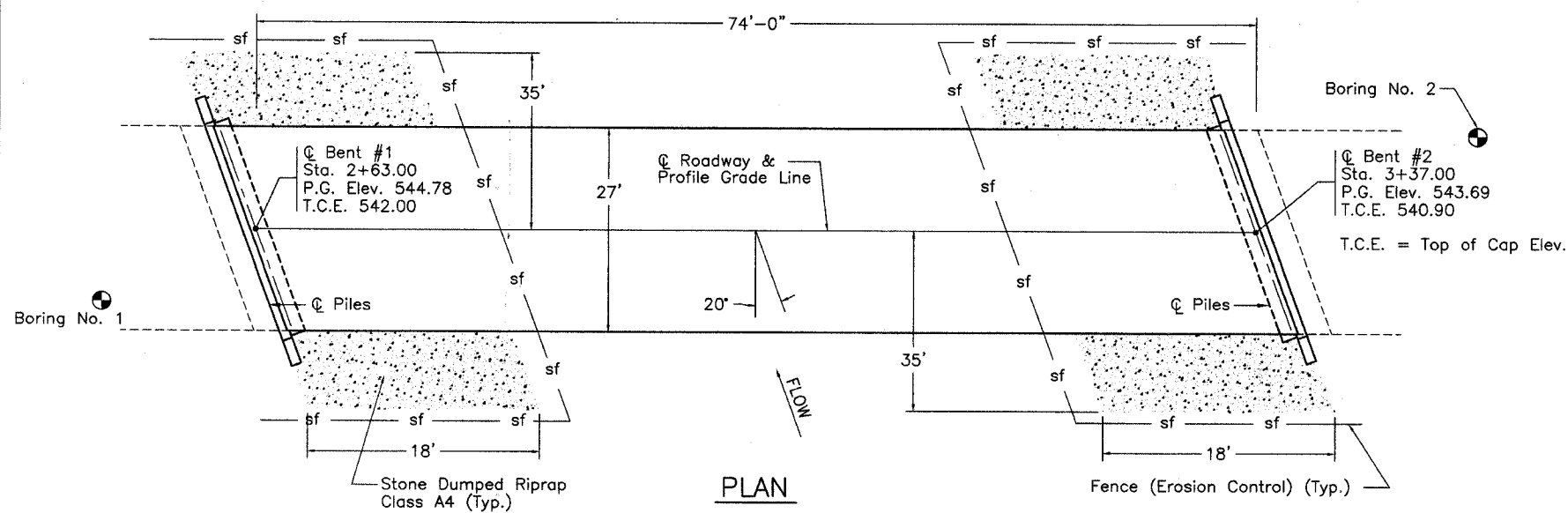
Handwritten signature and date: 10-22-05

GENERAL PLAN & ELEVATION
T.R. ROUTE 214
OVER WEST CROOKED CREEK
SECTION 05-01127-00-BR
JASPER COUNTY
STATION 3+00.00



ELEVATION

Existing Structure - Existing Structure No. 040-3161
Two Span Concrete Beam Bridge
60' Bk. - Bk. Abuts.
Spillthrough Concrete Abutments
Timber Pier W/ Conc. cap
22' Concrete Deck

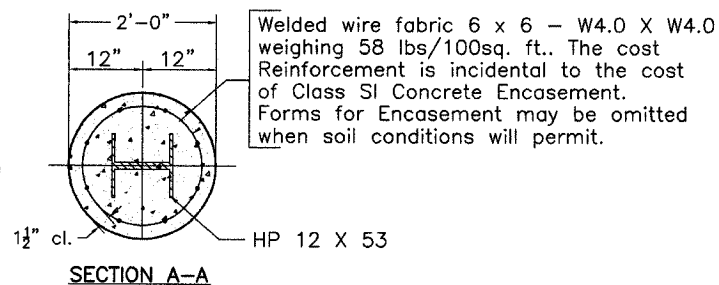


PLAN

Salvage - Any material deemed salvageable by the Engineer shall be stockpiled on the R.O.W. and shall become the property of the Crooked Creek Road District Commissioner. The Contractor shall dispose of all remaining material.

PILE DATA (2-ABUTS.)

Type	HP 12 X 53
Capacity	Refusal
Estimated Length	45'
Number Required	10 Includes 1 Test Pile In Bent #2



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) = A
Bedrock Acceleration Coefficient (A) = 7.5% g
Site Coefficient (S) =

WATERWAY INFORMATION

Drainage Area = 11.1 Sq. Mi.		Low Grade Elev. = 540.8 @ Sta. 5+50				
Flood	Freq. Yr.	Q ft ³ /s	Opening ft ²	Nat. H.W.E.	Head - ft	Headwater
Design	15	1435	308	540.0	0.02	0.01
Base	100	2260	368	541.1	0.06	0.00
Overtopping						
Max. Calc.	500					