

B.M. - B.M. #1, P.K. Nail in 18" Maple Tree, 18.71' RT., STA. 51+09.11, EL. 554.59
 B.M. #2, R.R. Spike in Power Pole, 26.30' LT., STA. 49+49.51, EL. 550.75
 TBM #1, Temp. Bench Mark on S.W. Corner of N. Bldg. Curb, 9.74' LT., STA. 49+74.98, EL. 554.28

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

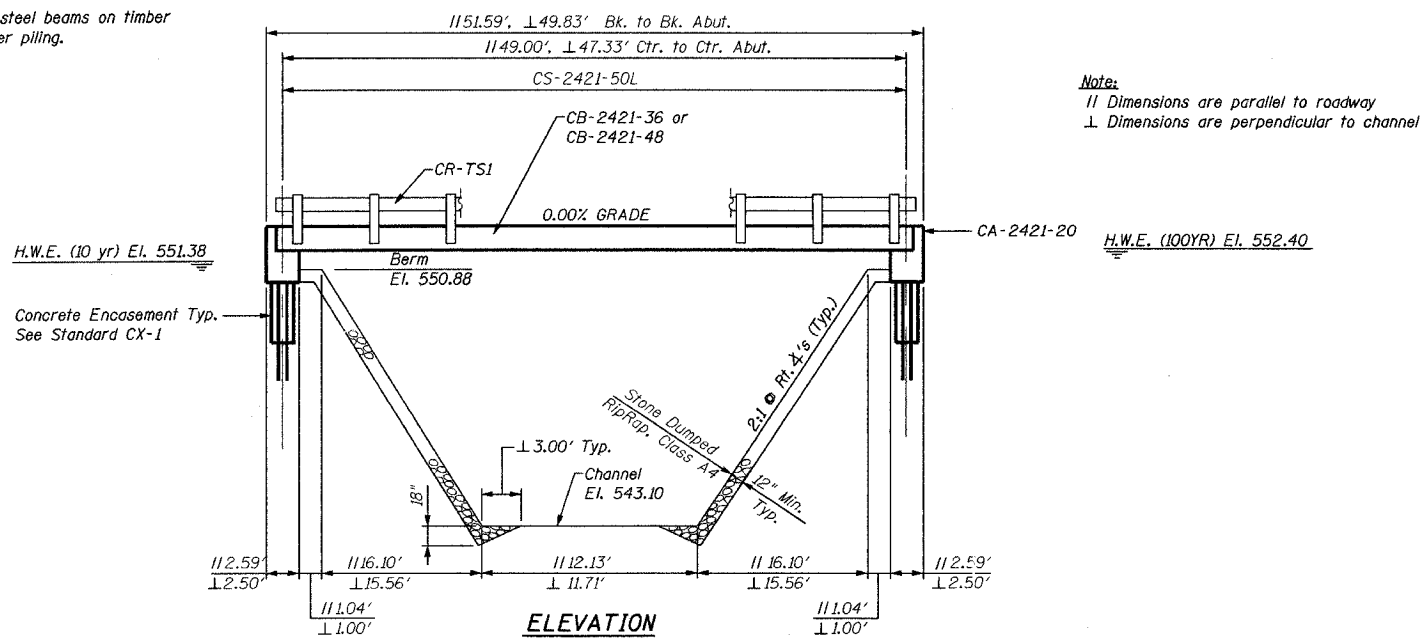
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 181	03-0112-00-BR	MARION	12	4
FED. ROAD DIST. NO.		ILLINOIS		

CONTRACT NO. 95428

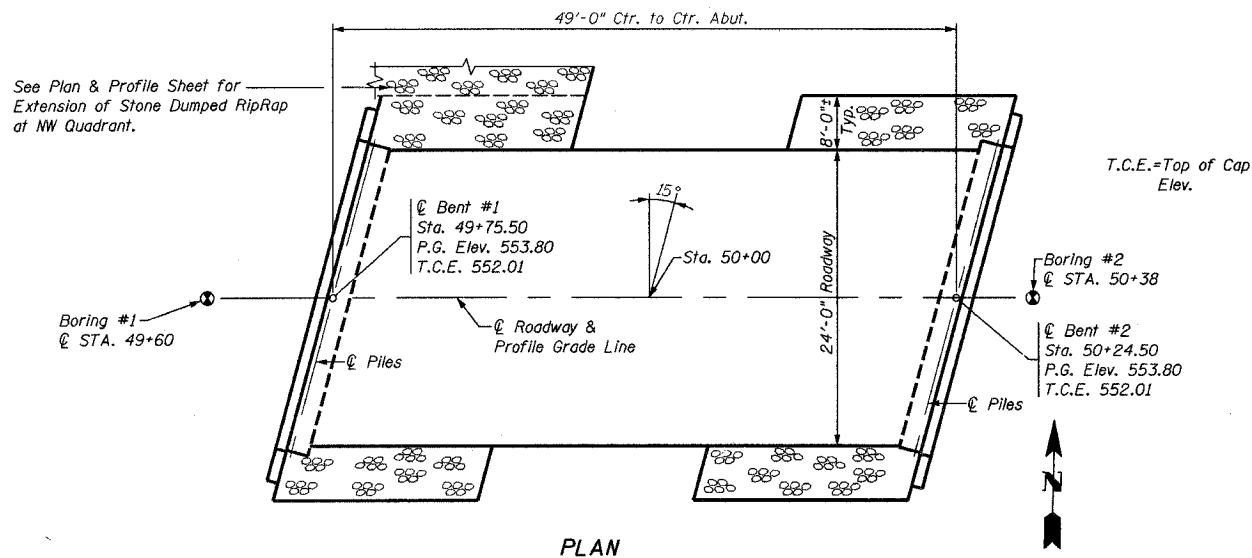
Existing Structure - Three span precast concrete deck steel beams on timber abutments and timber piers, supported by timber piling.

Salvage - Signs & Sign Posts

Existing Utilities - Overhead electric, Telephone, Water



Note:
 1) Dimensions are parallel to roadway
 2) Dimensions are perpendicular to channel



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 contract plans should be interpreted as referring to the current edition of the Standard Specification (Adopted January 1, 2002) as shown in the "Article/Section No. Reference Table".

ARTICLE/SECTION NO.	REFERENCE TABLE
504.05	504.05
505.04	505.04
706.05	1006.05
706.32	1006.32
760.07	1060.07

PILE DATA (2- ABUTS.)

Type: Steel Piles, HP10x42
 Capacity: 56 Tons (Includes 150% of Max. Pile Load for H-Pile In Friction)
 Estimated Length: 53 Feet Bent #1, 24 Feet Bent #2
 Number Required: 8 (Includes 1 Test Pile located in Bent #1 and 1 Test Pile located in Bent #2)

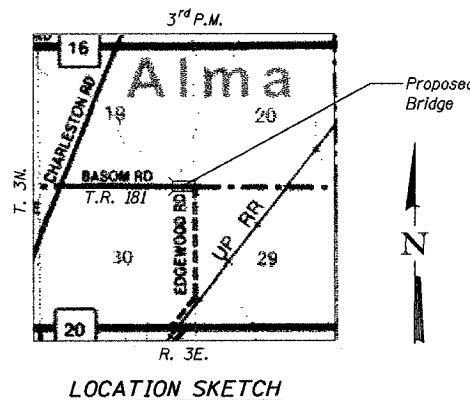
DESIGN SPECIFICATIONS

1996 AASHTO, 1997 Thru 2002 Interims
 HS20-44 Loading, Load Factor Design.

STATION 50+00
 CROOKED CREEK
 SEC. 03-0112-00-BR BUILT 20-
 PROJECT NO. 13ROS-121(41)
 MARION COUNTY
 LOADING HS20
 STR. NO. 061-3298

LETTERING FOR NAME PLATE

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



WATERWAY INFORMATION

Drainage Area = 8.29 Sq. Mi.		Low Grade Elev. 550.79 @ Sta. 48+00							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E. Ft.	Head - Ft.		Headwater Elev. - Ft.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	1609	207	235	551.38	N/A	0.49	N/A	551.87
Base	100	2865	226	254	552.40	N/A	0.87	N/A	553.27
Overtopping									
Max. Calc.	500								

GENERAL NOTES

- The contractor shall drive 2 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 Calcium Nitrite Corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
- The Waterproofing Membrane System and Bituminous Concrete Surface Course Shown on the Standards Shall Not be Provided.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each				1
Concrete Structures	Cu. Yd.			18.4	18.4
Precast Prestressed Concrete Deck Beams (21" Depth)	Sq. Ft.	1200			1200
Steel Rolling, Type S-1	Foot	100			100
Reinforcement Bars	Pound			2040	2040
Furnishing Steel Piles HP10x42	Foot			231	231
Driving Steel Piles	Foot			231	231
Test Pile Steel HP10x42	Each			2	2
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.			2.1	2.1

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2421-50L
- Standard CB-2421-36
- Standard CB-2421-48
- Standard CA-2421-20
- Standard CR-TS1
- Standard CN
- Standard CX-1

These plans were prepared by me or by a full-time member of my staff working under my personal supervision.

Michael R. Quandt 3/2/05
 Michael R. Quandt, P.E.
 Illinois Licensed Professional Engineer
 License No. 062-042893
 Expiration Date: 11/30/2005



GENERAL PLAN & ELEVATION

T.R. 181
 OVER CROOKED CREEK

SECTION 03-0112-00-BR
 MARION COUNTY
 STATION 50+00