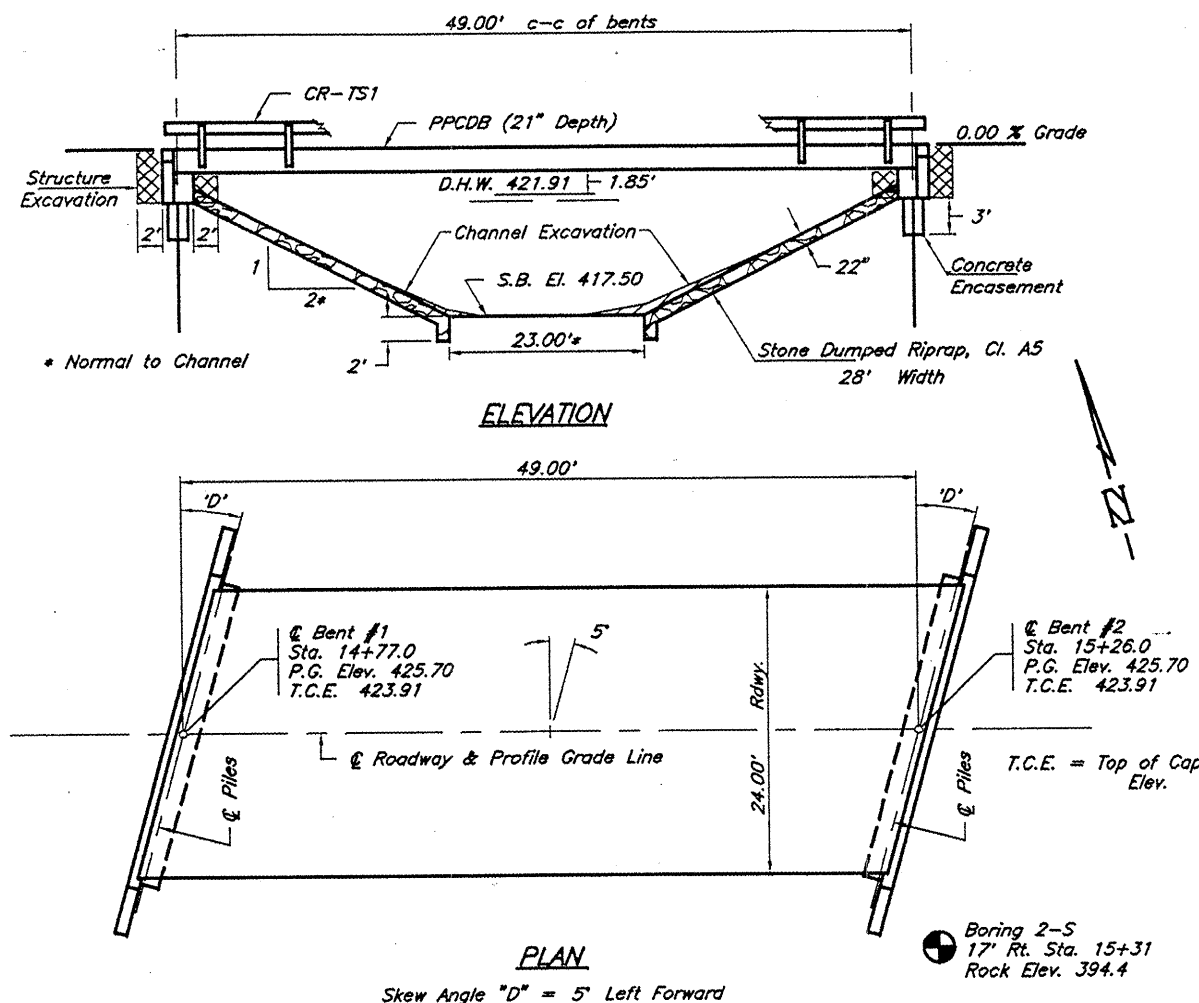


B.M. - RR Spike in Power Pole
14' Lt. of Station 14+26
Assumed Elev. 425.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 265	04-01183-00-BR	UNION	10	3
PROJECT NO. BROS-181(43)			CONTRACT NO. 99252	



Existing Structure - timber deck on steel stringers
with closed timber abutments 17' W X 42' L

GENERAL NOTES

- Steel H piles shall meet AASHTO M270 Grade 50 specifications.
- See special provisions for boring logs.
- A Corrosion inhibitor, as covered in the Standard Specifications, shall be used in the precast prestressed concrete deck beams.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each				1
Concrete Structures	Cu. Yds.			16.6	16.6
P.P. Conc. Dk. Bm. 21" Dp.	Sq. Ft.	1198			1198
Steel Railing, Type S1	Foot	100			100
Reinforcement Bars	Pound			2240	2240
Furnishing Steel Piles HP10X42	Foot			244	244
Driving Steel Piles	Foot			244	244
Concrete Encasement	Cu. Yds.			2.1	2.1
Name Plates	Each			1	1
Structure Excavation	Cu. Yds.			48	48
Channel Excavation	Cu. Yds.			67	67
Stone Dumped Riprap, Class A5	Tons			115	115

PILE DATA (2-ABUTS.)

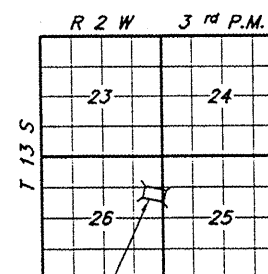
Type & Size : HP10X42
Nominal Required Bearing : 335 kips
Allowable Resistance Available : 112 kips
Estimated Length : 29 Feet Bent #1, 32 Feet Bent #2
Number Required : 8

Boring 1-S
43' Rt. Sta. 14+65
Rock Elev. 400.9

LINGLE CREEK
SEC. 04-01183-00-BR BUILT 20—
COUNTY UNIT ROAD DISTRICT
UNION COUNTY
LOADING HS20
STR. NO. 091-3228

LETTERING FOR NAME PLATE

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

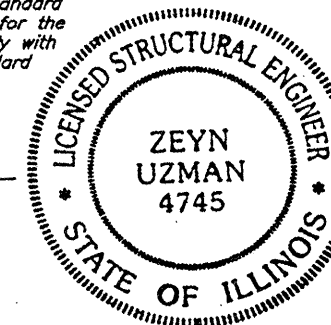


PROPOSED
BRIDGE

LOCATION SKETCH

I certify that to the best of my knowledge, information and belief, the revised standard detail sheets and/or special component sheets included with the standard bridge detail sheets are structurally adequate for the design loading shown on the plans and comply with the requirements of the current AASHTO Standard Specifications for Highway Bridges.

Zeyn B. Uzman
S.E. #81-1745
Expires Nov. 30, 2008



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) = B
Bedrock Acceleration Coefficient (A) = 16.4%
Site Coefficient (S) = 1.0

WATERWAY INFORMATION

Drainage Area = 2.290 Sq. Mi. Low Grade Elev. = 423.1 At Sta. 18+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.	Head—Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	1356	131.7	141.6	421.91	0.30	0.01	422.21	421.92
Base	100	2191	179.0	195.8	423.16	0.83	0.08	423.99	423.24
Overtopping									
Max. Calc.	500	2883	210.9	223.6	423.98	1.81	0.81	425.79	424.79

Deck elevation used for overtopping calculations to allow for future raising of the approach roadways.

GENERAL PLAN & ELEVATION
TOWNSHIP ROUTE 265
LINGLE CREEK
SECTION 04-01183-00-BR
UNION COUNTY
STATION 15+01.5