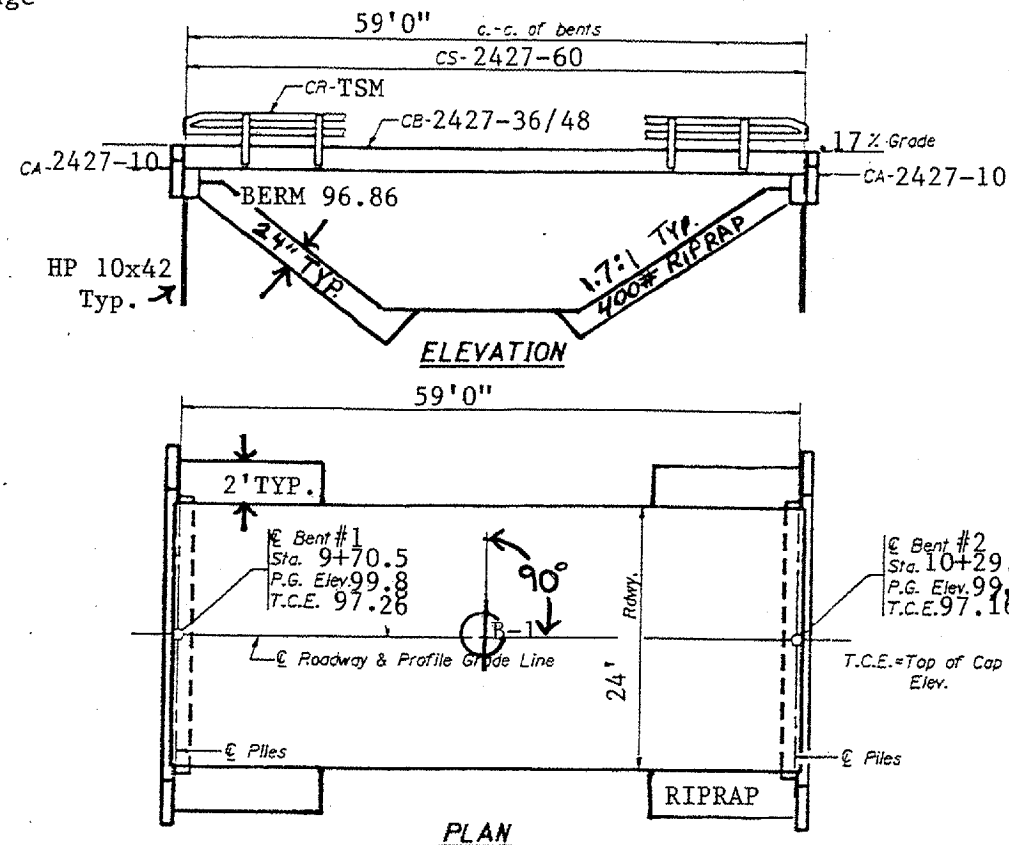


B.M. #1-STA.9+55LT., Spike in Tree
Elev.100.0'
Existing Structure-
Pre-cast concrete slab Bridge
with Timber Pile, Backing,
and Caps
Salvage-
NONE

*	**	KNOX	4	12
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*TR-245
**05-14115-01-BR



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 Calcium Nitrite 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, Class I	Ton	28.0			18.8
Waterproofing Membrane System	Sq. Yd.	160.0			160.0
Concrete Structures	Cu. Yd.			18.2	18.2
Precast Prestressed Concrete Deck Beams (2' Depth)	Sq. Ft.	1440			1440
Steel Bridge Rail, Type SW	Foot	120			120
Steel Railings, Type S-1	Foot				
Reinforcement Bars	Pound			1980	1980
Furnishing steel pile	Foot			210	210
Driving HP10x42	Foot			210	210
Test Piles	Each			1	1
Name Plates	Each			1	1
Class SI Concrete Encasement	Cu. Yd.			2.1	2.1
PC mortar fairing cse	foot	420			420
stone dumped riprap	ton			150	150

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 Specifications (Adopted January 1, 2002) 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

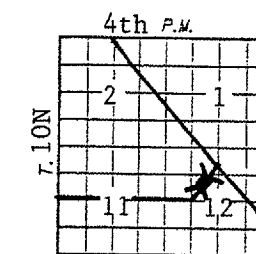
PILE DATA (2-ABUTS.)

Type HP 10X42
Capacity Refusal Tons
Estimated Length 30 Feet
Number Required 8 (Includes 1 Test Pile located in Bent #1)

*05-14115-01-BR
STATION 10+00
Trib. Haw CREEK
SEC. * BUILT 2006
Orange ROAD DIST.
KNOX COUNTY
LOADING HS20-44
STR. NO. 048-3386

LETTERING FOR NAME PLATE

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



PROPOSED R-2E
BRIDGE

LOCATION SKETCH

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2427-60
- Standard CB-2427-36
- Standard CB-2427-48
- Standard CA-2427-10
- Standard CR-TSM
- Standard CN
- Standard CX-1
- Standard

WATERWAY INFORMATION

Drainage Area = 5.47sqmi Low Grade Elev. = 99.5 @ Sta. 10+00

Flood	Freq. Yr.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
		Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	1362	180	192	92.2			
Base	100	2289	263	280	94.1			
Overtopping								
Max. Calc.	500	3102	332	349				

DESIGN SPECIFICATIONS

1996 AASHTO and Interims
HS20-44 Loading Load Factor Design

GENERAL PLAN & ELEVATION

TR ROUTE 245
OVER Trib. to Haw Creek
SECTION 05-14115-01-BR
KNOX COUNTY
STATION 10+00