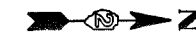
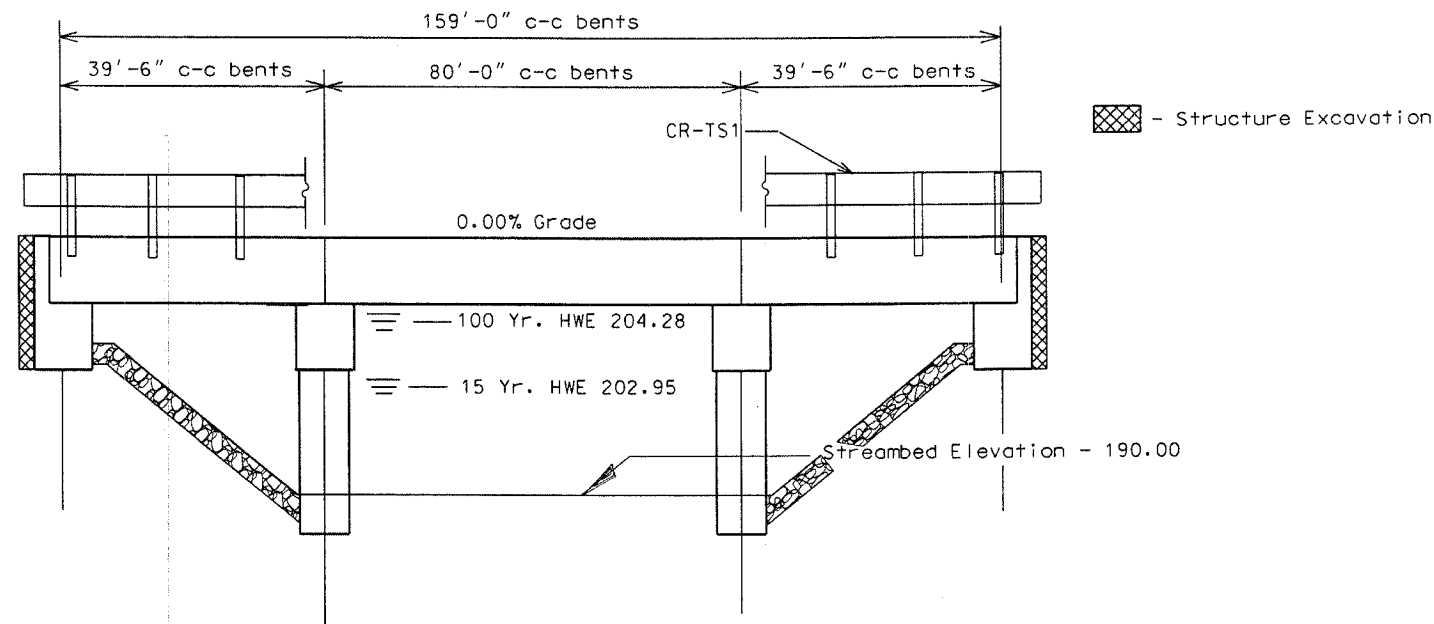


B.M. 1 60p Nail in Power Pole
Sta. 106+96, 13' Lt.
Elev. 201.50

B.M. 2 60p Nail in Power Pole
Sta. 109+79, 53' Rt.
Elev. = 202.16

Existing Structure is a single span (140') through truss bridge on closed concrete abutments.

Any salvageable material shall become the property of the Henry County Highway Department



FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 384	04-01119-00-BR 04-04126-00-BR	HENRY	13	5
F.H.W.A. REG.		ILLINOIS	PROJECT	

GENERAL NOTES

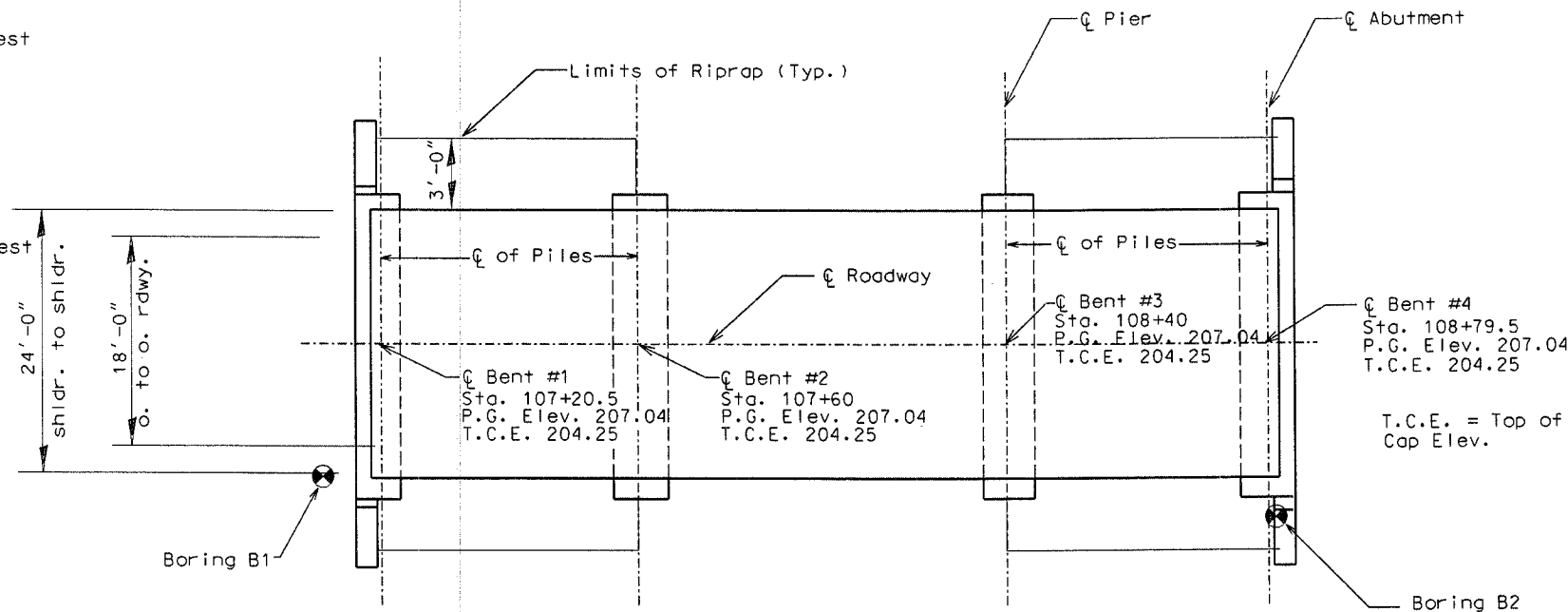
1. The Contractor shall drive 2 test pile @ Bent #1 and Bent #2, as specified in a permanent location as directed by the Engineer before ordering the remaining piles.
2. See Special Provisions for boring logs.
3. A Calcium Nitrite Corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.
4. The abutments shall not be backfilled until the deck beams are in place and dowel pins have been grouted and cured.
5. Reinforcement bars shall conform to AASHTO M-31, M-42 or M-53, Grade 60.
6. Underwater Structure Excavation protection shall be applied to bent #2 and bent #3.

PILE DATA - (2 ABUTS)

Type Metal Shell, 12"
Capacity 33 Ton
Est. Length 65 Feet
Number Req. 8 (Includes 1 Test Pile Located in Bent # 1)

PILE DATA - (2 PIERS)

Type Metal Shell, 12"
Capacity 38 Ton
Est. Length 85 Feet
Number Req. 16 (Includes 1 Test Pile Located in Bent # 2)



TOTAL BILL OF MATERIAL

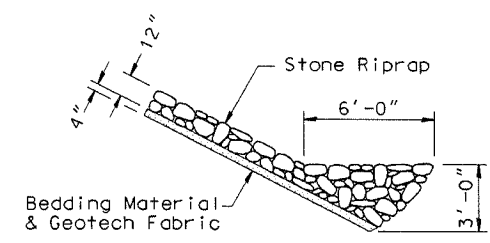
ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structure	Each			1
Stone Dumped Riprap, Class C4	Sq. Yd		262	262
P.P. Conc. Deck Beam 33"	Sq. Ft	3834		3834
Furnishing Metal Shell Pile, 12"	Foot		1730	1730
Driving and Filling Shells	Foot		1730	1730
Test Piles Metal Shell	Each		2	2
Concrete Structures	Cu. Yd		92.0	92.0
Reinforcement Bars	Pound		7360	7360
Structure Excavation	Cu. Yd		81.8	81.8
Name Plate	Each		1	1
Steel Railing, Type S-1	Foot	320		320
Underwater Str Ex Protection L1	Each		1	1
Underwater Str Ex Protection L2	Each		1	1

STATION 108+00 GREEN RIVER
BUILT 2005
SEC. 04-01119-00-BR/04-01126-00-BR
ALBA/ATKINSON ROAD DISTRICT
HENRY COUNTY
LOADING HS20-44
STR. NO. 037-3356

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for this style of structure and complies with the requirements of the current AASHTO Standard Specifications for highway bridges.



Keith E. Brandau
Keith E. Brandau Date
Illinois Structural No. 4905
License Expires 11/30/2006



STONE RIPRAP ANCHOR DETAIL

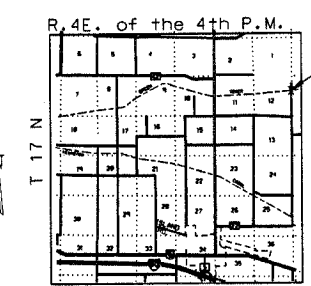
DESIGN SPECIFICATIONS

2002 AASHTO, W/ Applicable Interims
HS20-44 Loading Load Factor Design

WATERWAY INFORMATION

Drainage Area = 645 Sq. Miles Low Grade Elev. 199.90 @ Sta. 102+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.	Exist.	Prop.
Design	15	8377	1500	1561	202.81		0.05	0.14	202.86	202.95
Base	100	10699	1500	1561	204.12		0.18	0.16	204.30	



LOCATION SKETCH

GENERAL PLAN & ELEVATION

TR 384
SECTION 04-01119-00-BR
04-04126-00-BR
HENRY COUNTY
ALBA/ATKINSON ROAD DISTRICT
STR. NO. 037-3356