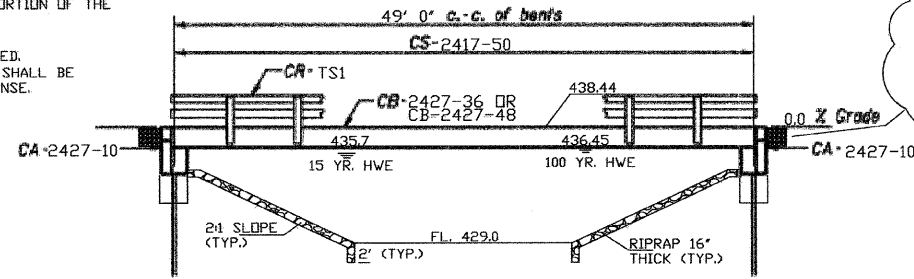


B.M. TOP OF IRON PIN @ STA. 0+00 = ELEV. 441.35
TOP OF IRON PIN @ STA. 7+20 = ELEV. 435.00

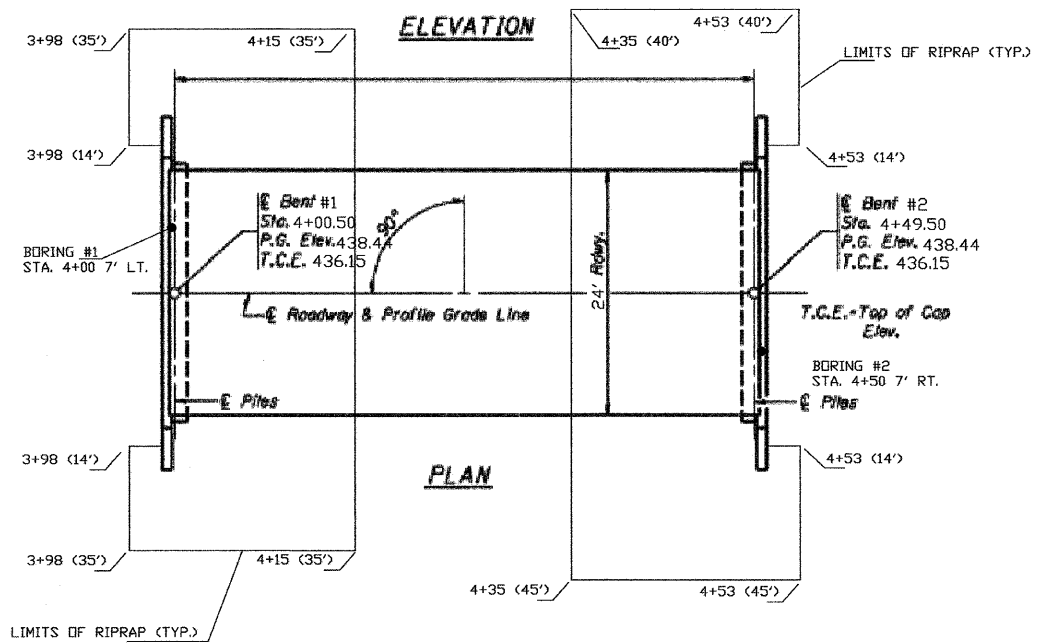
Existing Structure - THE EXISTING BRIDGE HAS COLLAPSED. THE DECK AND STRINGERS HAVE BEEN REMOVED TO CLEAR THE STREAMBED. THE WEST CONCRETE ABUTMENT AND A PORTION OF THE EAST ABUTMENT STILL REMAIN.

Salvage - NO SALVAGE OF THE EXISTING BRIDGE IS ANTICIPATED. THEREFORE DISPOSAL OF ALL EXISTING BRIDGE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE. (AS PER ART. 202.03 OF THE STANDARD SPECIFICATIONS)

CHANNEL EXCAVATION (80 CU. YDS. ALLOWED IN PROPOSAL) THIS MATERIAL IS TO BE EXCAVATED WITHIN THE LIMITS OF THE PROPOSED BRIDGE AND TAPERED TO MATCH THE EXISTING CHANNEL AT THE DITCH LINE.



GRANULAR MATERIAL TO BE PLACED BEHIND EACH ABUTMENT MUDWALL (2'X2'X24" EACH END OF BRIDGE) 14 TON OF AGGREGATE SURFACE CSE. TY. B ALLOWED IN PROPOSAL.



LIMITS OF RIPRAP MAY BE ADJUSTED TO MEET CONDITIONS IN THE FIELD. THE ENGINEER SHALL APPROVE THE LAYOUT & GRADE PRIOR TO THE PLACEMENT OF ANY RIPRAP. 220 TON ALLOWED IN PROPOSAL.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications - 17th ed.

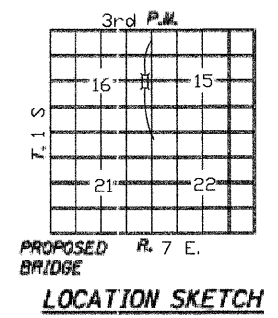
LOADING HS20-44
Allow 25#/sq. ft. for future wearing surface.

SEISMIC DATA
Seismic Performance Category (SPC) =
Bedrock Acceleration Coefficient (A) =
Site Coefficient (S) =

PILE DATA (2-ABUTS.)
Type HP 10X42 STEEL PILE
NOMINAL REQUIRED BEARING 335 kips
ALLOWABLE RESISTANCE AVAILABLE 112 kip
Estimated Length 30 Feet
Number Required 8 (Includes 1 Foot Pile located in Bent #1)
PILE CUTOFF ELEV. 434.65

STATION 4+25.00
MARTIN CREEK
SEC. 04-14106-00-BR BUILT 20
LAMARD ROAD-DIST. TOWNSHIP
WAYNE COUNTY
LOADING HS20
STR. NO. 096-3444

LETTERING FOR NAME PLATE
Locate Name Plate at S.W. Corner of Bridge (See Std. CN)



WATERWAY INFORMATION

Drainage Area		Low Grade Elev. *429.00		Sta. 4+30					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.			
Design	15	1055	79.6	220.00	435.7	2.86	0	435.62	435.71
Base	100	1710	79.6	232.65	436.45	3.31	0.45	436.1	436.45
Overlapping									
Max. Calc.	500								

GENERAL NOTES

- The Contractor shall drive a test pile as specified in a permanent location as directed by the Engineer before ordering the remaining piles.
- See Special Provisions for boring logs.
- A 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, Superpave	Ton				
Waterproofing Membrane System	Sq. Yd.				
Concrete Structures	Cu. Yd.			18.2	18.2
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	1200			1200
Steel Bridge Rail - Type SW	Foot				
Steel Rolling, Type S-1	Foot	100			100
Reinforcement Bars	Pound			2300	2300
Furnishing HP 10X42 STEEL PILE	Foot			240	240
Driving HP 10X42 STEEL PILE	Foot			240	240
Test Piles	Each				
Name Plates	Each			1	1
Concrete Encasement Class S1	Cu. Yd.			2.1	2.1
Portland Cement Mortar Facing Course	Foot				

INDEX OF SHEETS

- 5 General Plan & Elevation
- 6 Standard CS-2427-50
- 7 Standard CB-2427-36
- 8 Standard CB-2427-48
- 9 Standard CA-2427-10
- 10 Standard CR-TS1
- 11 Standard CN
- 12 Standard CX-1

GENERAL PLAN & ELEVATION
TR ROUTE 331
OVER MARTIN CREEK
SECTION 04-14106-00-BR
WAYNE COUNTY
STATION 4+25.00