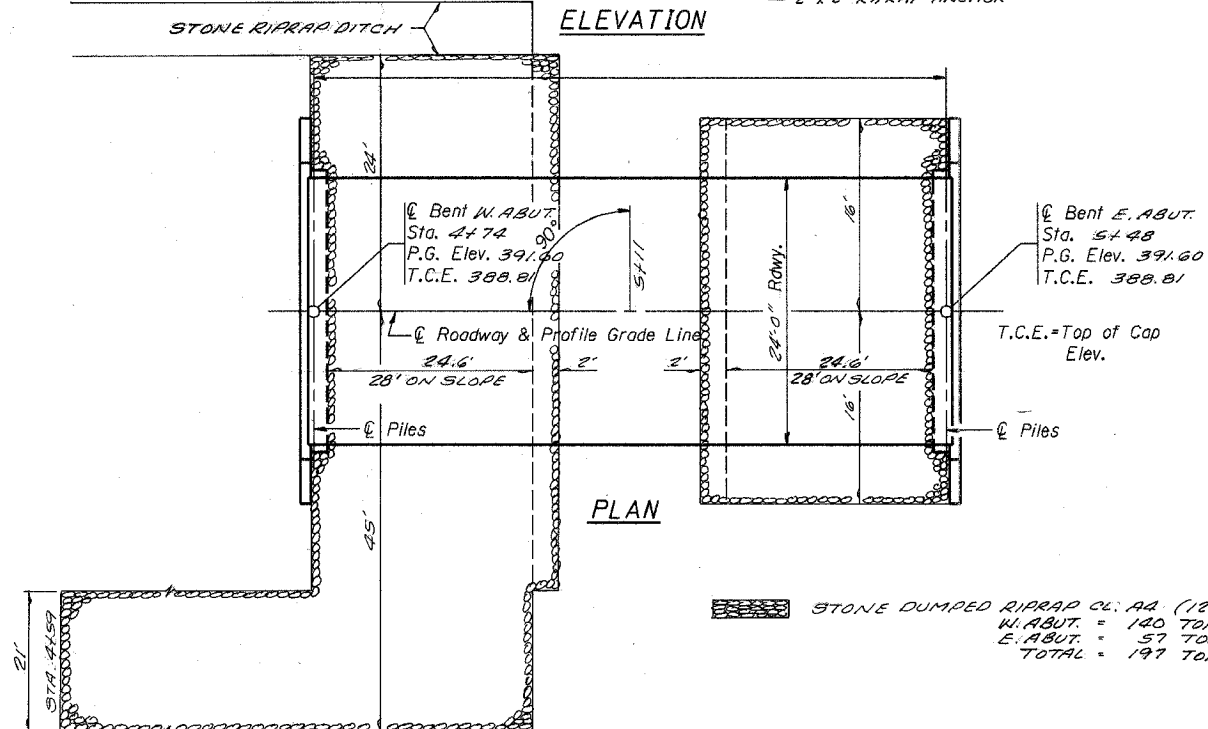
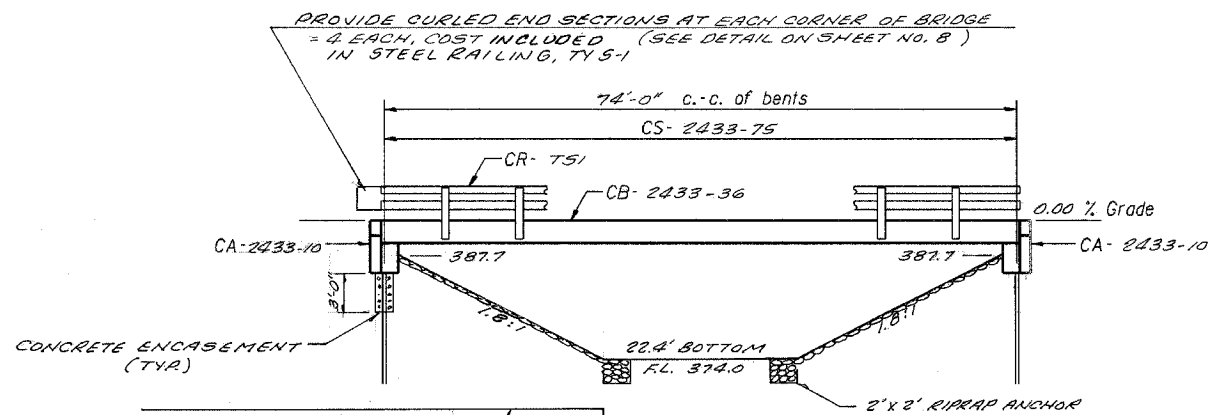


ROUTE NO.	SECTION	COUNTY	SHEETS	NO.
*		WAYNE	10	4
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 05-16121-00-BR				

B.M.
Existing Structure
Salvage



GENERAL NOTES

- The Contractor shall drive / 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 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.			19.2	19.2
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq. Ft.	1800			1800
Steel Bridge Rail, Type SM	Foot				
Steel Railing, Type S-1	Foot	150			150
Reinforcement Bars	Pound			2320	2320
Furnishing STEEL PILES HP 10x42	Foot			288	288
Driving PILES	Foot			288	288
Test Piles STEEL HP 10x42	Each			1	1
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.			2.6	2.6
Portland Cement Mortar Fairing Course	Foot				
STONE DUMPED RIPRAP CL. A2	TON				197

STONE DUMPED RIPRAP CL. A2 (12" MIN. THICKNESS)
W. ABUT. = 140 TON
E. ABUT. = 57 TON
TOTAL = 197 TON

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications - 17th ed.

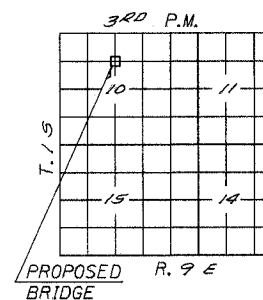
LOADING HS20-44
Allow 25#/sq. ft. for future wearing surface.

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

PILE DATA (2-ABUTS.)
Type STEEL HP 10x42 (IN ACCORD. TO AASHTO M 270 GRADE 50)
Estimated Length 32 Feet
Number Required 10 (Includes 1 Test Pile located in east abut.)
ALLOWABLE RESISTANCE AVAILABLE = 90 KIPS
NOMINAL REQUIRED BEARING = 335 KIPS

* WEST SIDE DIVERSION DITCH
** BR05-191 (56)
STATION 51+11
* CREEK
SEC. 05-16121-00-BR BUILT 200
PROJECT ** ROAD-DIST.
WAYNE COUNTY
LOADING HS20
STR. NO. 096-3443

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



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 16.8 SQ. MI. Low Grade Elev. = 386.4 @ Sta. 10+00						
Flood Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist. Prop.
Design	15 1050	392 416	384.2	0	0	384.2 384.2
Base	100 1574	483 548	386.3	0	0	386.3 386.3
Overtopping						
Max. Calc.	500					

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS-2433-75
- Standard CB-2433-36
- Standard CA-2433-10
- Standard CR-751
- Standard CN-
- Standard CK-1
- Standard
- Standard

GENERAL PLAN & ELEVATION

TR ROUTE 293
OVER WEST SIDE DIVERSION DITCH
SECTION 05-16121-00-BR
WAYNE COUNTY
STATION 51+11