

Bench Mark: Chiseled "□" in center of East Headwall of 4'x4' Box Culvert, Southeast quadrant of IL-14 and Township Road 600E, 78' Left of Station 282+70, Elev. 398.31.

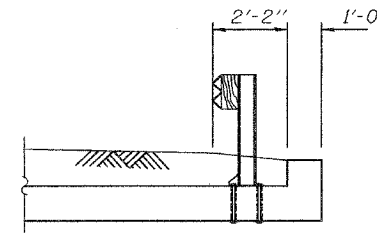
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
FAP 855	11B-1	WHITE	25	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract #94771

Existing Structure: S.N. 097-0017 was originally built in 1923 as S.B.I. Route 14, Sec. 11B at Sta. 283+00. In 1951 the structure was widened as Sec. 11-BY. The structure is a single span CIP T Girder bridge on closed abutments supported by timber piles. The structure length and width are 43'-0" bk.-to- bk. of abutments and 40'-4" out-to-out deck. The contractor shall remove and replace the structure with a 12'x10' RC triple box culvert. Traffic shall be maintained utilizing stage construction.

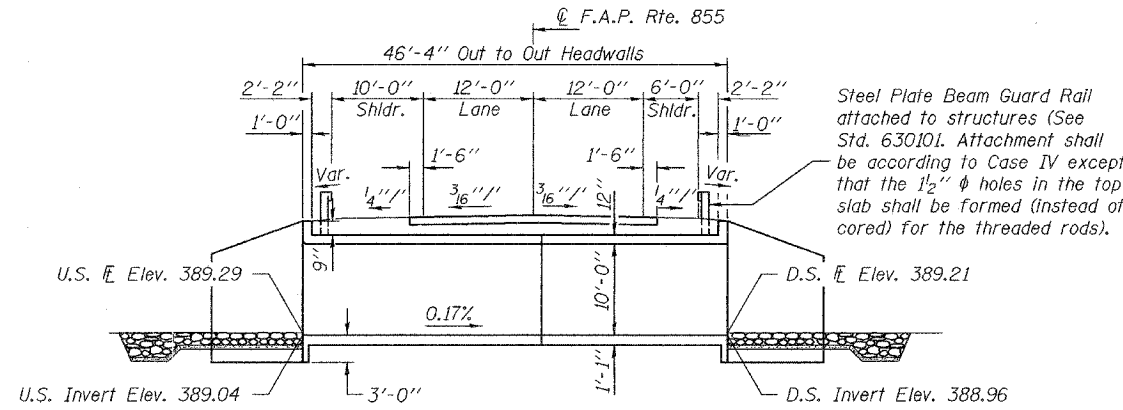
No salvage



GUARDRAIL MOUNTING DETAIL
(Std. 630101-04, Case IV)

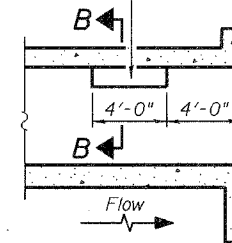
GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.
Exposed edges shall be chamfered 3/4".
For backfilling and embankment see Standard Specifications.
Precast culvert alternate is not allowed.
The Contractor shall saw cut existing abutment wall at stage construction line before removing the existing abutments. The Contractor shall excavate behind existing abutments before removing superstructure. Cost included with Removal of Existing Structures.
All construction joints shall be bonded.

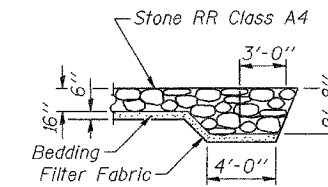


LONGITUDINAL SECTION
(Looking West)

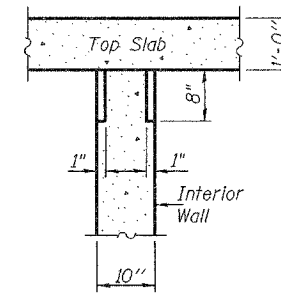
Notch formed by rough finished board attached to and removed with formwork, each interior wall. (Do not chamfer).



LONGITUDINAL SECTION



SECTION A-A



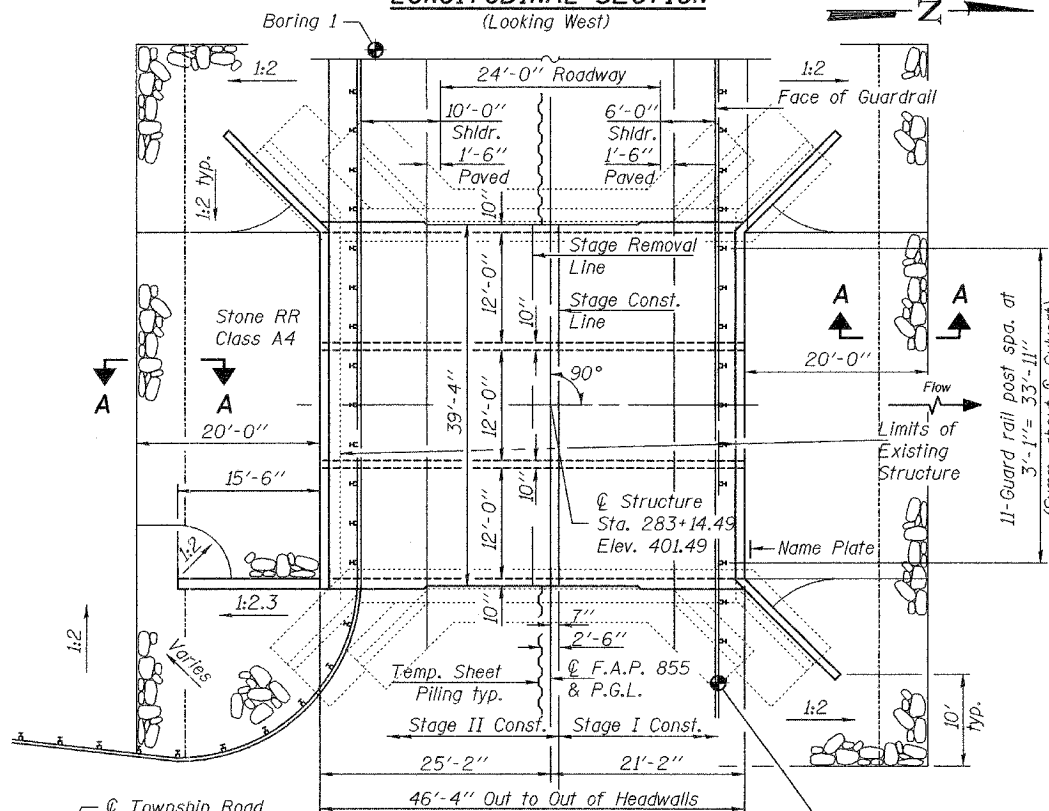
SECTION B-B

STATION 283+14.49
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RT. 855 SEC. 11B-1
LOADING HS20
STRUCTURE NO. 097-2013

NAME PLATE
See Std. 515001

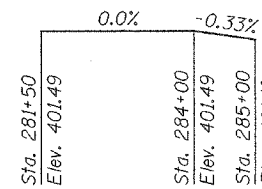
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	369
Filter Fabric	Sq. Yd.	369
Removal of Existing Structures	Each	1
Reinforcement Bars	Pound	37490
Temporary Sheet Piling	Sq. Ft.	565
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	241.2
Bar Splicers	Each	216
Steel Plate Beam Guard Rail Attached to Structures	Foot	79



PLAN

PHOEBE NESTING SITE DETAILS
(Downstream End Only)



PROFILE GRADE
(along centerline roadway)

WATERWAY INFORMATION

Existing Low Grade Elev. 399.6 @ Sta. 273+00
Proposed Low Grade Elev. 399.6 @ Sta. 273+00
Drainage Area = 1.7 sq. mi.

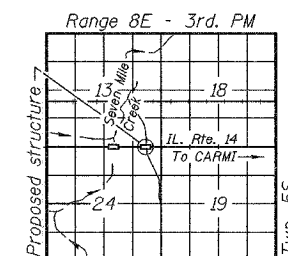
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	965	160	292	397.8	1.0	0.1	398.8	397.9	
Base	100	1070	165	299	397.9	1.0	0.2	398.9	398.1	
Max. Calc.	500	1485	180	313	398.2	1.6	0.3	399.8	398.5	
Overtopping	-	-	-	-	-	-	-	-	-	

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)



LOCATION SKETCH

GENERAL PLAN
ILLINOIS ROUTE 14 OVER
UNNAMED STREAM
F.A.P. ROUTE 855 - SECTION 11B-1
WHITE COUNTY
STATION 283+14.49
STRUCTURE NO. 097-2013

DESIGNED	Patricia M. Peterson
CHECKED	Philip R. Anderson
DRAWN	h.t. duong
CHECKED	pmp/PRL

EXAMINED	November 16 2005	Thomas J. Danaher
PASSED		Ralph E. Adams



EXPIRES 11-30-2006