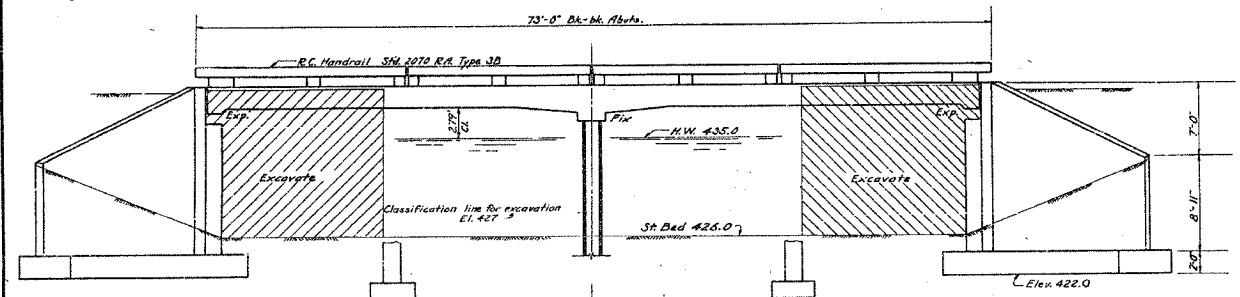


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1848	28-4BR	ST. CLAIR	101	90
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

± M. E.P. Spike in 6" Cottonwood, 223' Lt. of Sta. 356+56 El. 437.49.
 Existing Structure: R.C. thru Girder, 1 Span @ 347' R.C. Conc. Abutments.
 Bridge Contractor to remove Superstructure and all portions of
 Substructure that will interfere with new construction.
 No Salvage.

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

DATE	BY	CHKD.	DATE	BY
11-15-11	ST. CLAIR	16	8	4 SHEETS



STATION 356+18.5
 BUILT 195 BY
 STATE OF ILLINOIS
 S.B.I. RT. 15 SEC. 28-B
 P.A. PROJ. F-260(6)
 LOADING H20-S16
 NAME PLATE
 See Std. 2113

GENERAL NOTES

Class X concrete shall be used throughout except in handrails.
 Handrail concrete shall be used in handrails.
 All rollers, bearing plates, lead plates and anchor bolts shall be fabricated and set in accordance with Article 5116 of the Standard Specifications and are included in quantity of structural steel.
 Expansion joints shall be fabricated and erected in accordance with Article 5115(a) of the Standard Specifications.
 Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 551 to 555 inclusive of the Standard Specifications.
 2" x 1/2" x 12" anchor straps of expansion device shall not be painted.
 All paint shall be furnished and applied by the contractor.
 The concrete floor slab shall be finished in accordance with Article 5119 of the Standard Specifications.
 The handrail concrete in the interior rail posts and railing shall be poured in separate operations.
 Back of abutments and wing walls from top of footing to ground line shall be waterproofed in accordance with Article 5121 of the Standard Specifications.
 Contractor shall drive one Concrete Test Pile in Pike Bent and one untreated Test Pile at the West Abutment in permanent locations as directed by the Engineer before ordering the remainder of the piles.

WATERWAY INFORMATION

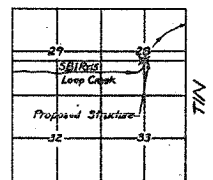
Drainage Area 5100 Acres
 Character Rolling, Clay, Wooded & Cultivated.
 Reg'd Opening (30 yr Flood) 600"
 Present Opening (Total Opening) 327"
 Proposed Opening 608"
 Low Water Elev. 426.0
 Normal Water Elev. 427.0

TOTAL BILL OF MATERIALS

ITEM	SUPER	SUB	TOTAL
Class X Concrete	146.5	224.3	370.8
Handrail Concrete	3.6		3.6
Reinf. Bars	36,790	15,960	52,750
Structural Steel Lbs	4,710		4,710
Precast Conc. Piles		160	160
Name Plates	One		One
Channel Excavation			790
Removal Existing Structure			840
Removal Existing Structure			395
Test Pile (Concrete)	One		One
Untreated Pile (Steel)	One		One
Test Piles (Anchor)	One		One

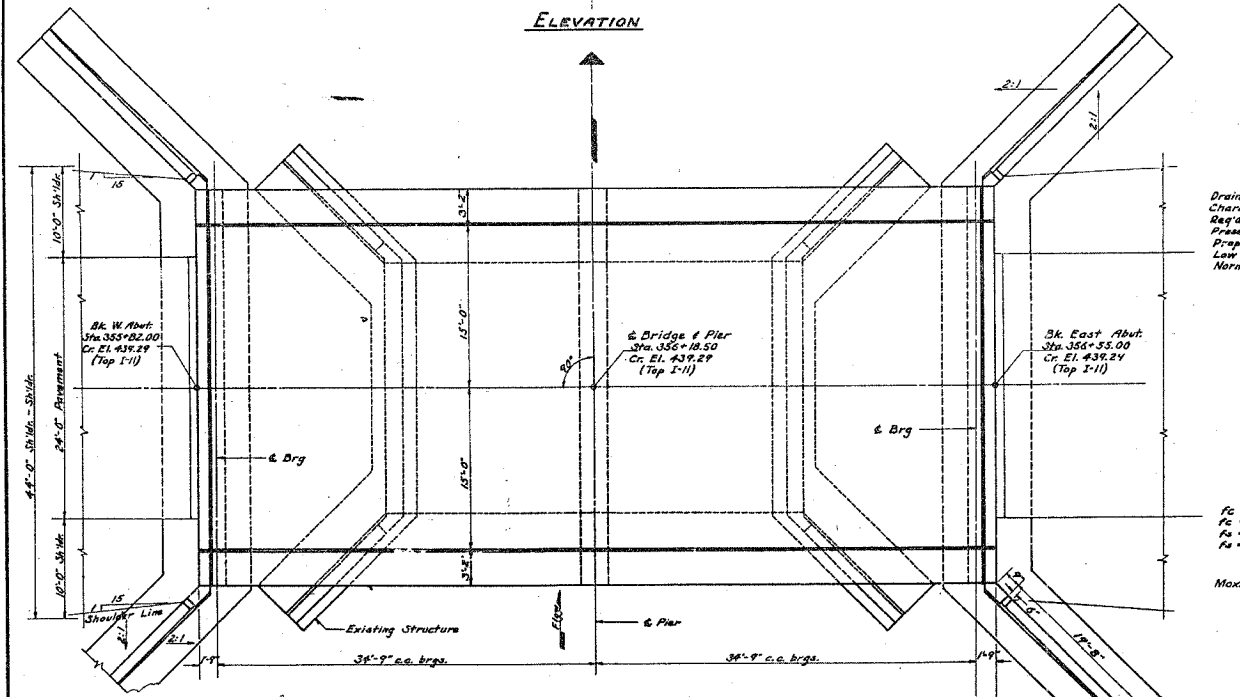
DESIGN STRESSES
 Fc = 1400 p.s.i. (Super)
 Fc = 1000 p.s.i. (Sub)
 Fc = 2000 p.s.i. (Reinf.)
 Fc = 18000 p.s.i. (Struct.)
 n = 10

Max. Footing Pressure = 14 Tons per sq. ft.



RTW
 LOCATION SKETCH
 LOADING H20-S16-44

PROJ. F-260 (6)
 GENERAL PLAN & ELEVATION
 S.B.I. RT. 15 SEC. 28-BR.
 BRIDGE OVER LOOP CREEK
 ST. CLAIR COUNTY
 STA. 356+18.5



PLAN

DESIGNED *Ronald C. Pelt*
 CHECKED *E.P.*
 DRAWN *R. Tilly*
 EXAMINED *J.P. W. Kinnis*
 PASSED *[Signature]*
 APPROVED *[Signature]*

PLOT DATE = 2/8/2006
 FILE NAME = c:\projects\12400\plan\plan054.dgn
 PLOT SCALE = 5/8"=1'-0"
 REFERENCE = #REF#

FOR INFORMATION ONLY

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING STRUCTURE PLANS
 FAS ROUTE 1848
 SECTION 28-4BR
 ST. CLAIR COUNTY
 SN 082-0058(E) 0272(P)