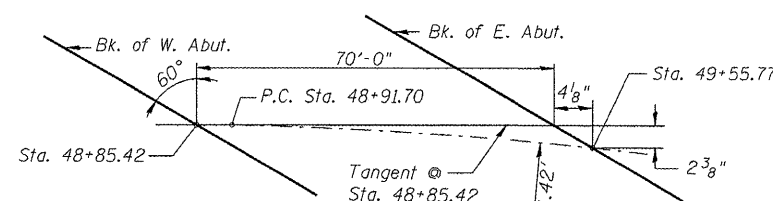
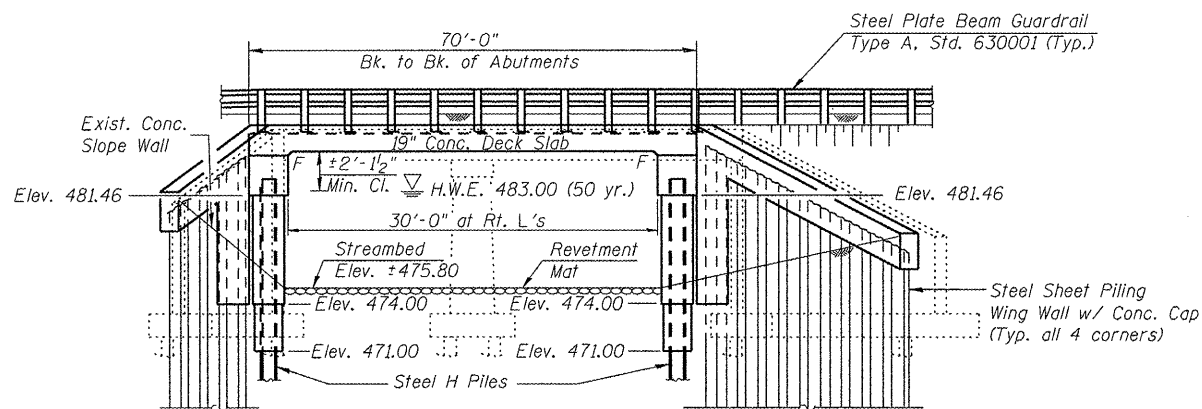


B.M.: Chiselled "C" on top of wingwall at northwest corner of S.N. 090-0038. Elev. 487.86

Existing Structure: S.N. 090-0038 Built in 1930 and rehabilitated in 1970. Two span prestressed 21"x36" deck beams on R.C. pier and closed abutments. The 7.5" concrete deck is 31'-0" wide out to out with skew angle of 59°43'. The length is 71'-10 7/8" bk. to bk. abutments. Structure is to be removed and replaced in stages. The road shall remain open to two lanes of traffic at all times by utilizing stage construction. No salvage.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
F.A.U. 6757 (U.S. 150)	105B)BR-2	TAZEWELL	133	51	18 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

CONTRACT NO. 68086



DESIGN SCOUR ELEVATION TABLE

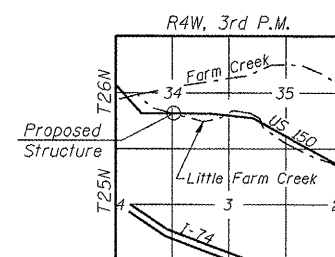
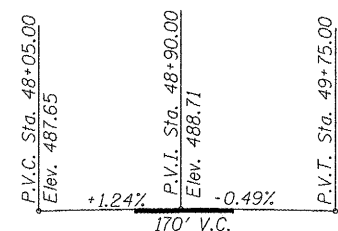
Design Scour Elevation (feet)	W. Abut.	E. Abut.
	471.00	471.00

INDEX OF SHEETS

1. General Plan
2. General Notes & Details
3. Stage Construction Details
4. Superstructure
5. Superstructure Details
6. West Abutment
7. East Abutment
8. Abutment Details
9. Steel Sheet Piling Wingwalls
10. Temporary Support System
11. Steel Railing (Temporary)
12. Temporary Concrete Barrier
13. Bar Splicer Assembly Details
14. Steel Pile Details
15. Soil Borings-1
16. Soil Borings-2
17. Soil Borings-3
18. Soil Borings-4

CURVE DATA

P.I. = Sta. 54+02.80
 $\Delta = 6^\circ 48' 24''$ (RT)
 $D = 0^\circ 40' 00''$
 $T = 511.10'$
 $L = 1,021.00'$
 $E = 15.18'$
 $R = 8,594.42'$
 $S.E. = N.C.$
 $P.C. = Sta. 48+91.70$
 $P.T. = Sta. 59+12.70$



LOADING HS20-44

Allow 50 psf for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

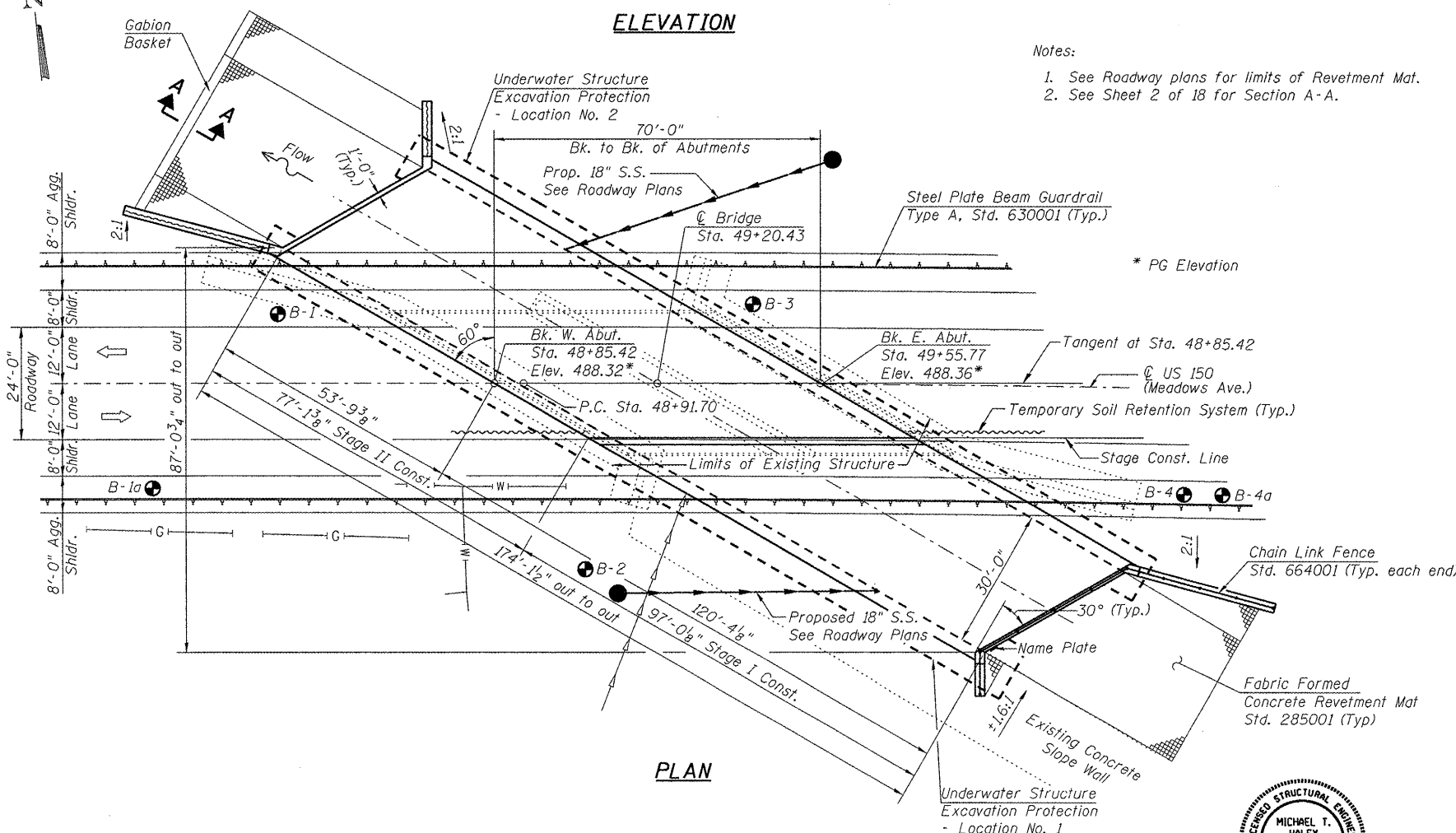
FIELD UNITS

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

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Bedrock Acceleration Coefficient (A) = 0.042g
 Site Coefficient (S) = 1.5

- Notes:
1. See Roadway plans for limits of Revetment Mat.
 2. See Sheet 2 of 18 for Section A-A.



WATERWAY INFORMATION

Drainage Area = 4.1 Sq Mi Low Grade Elev. 488.0 @ Sta. 53+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Natural H.W.E. Exist.	Prop.	Head - Ft. Exist.	Prop.	Headwater El. Exist.	Prop.
Design	50	1993	172	217	483.0	3.7	0.9	486.7	483.9	487.7
Base	100	2345	189	244	483.6	4.1	1.0	487.7	484.6	484.6
Overlapping	300	2800	210	-	483.9	4.1	-	488.0	-	-
Max. Calc.	500	3201	224	305	484.9	3.6	2.5	488.5	487.4	487.4



Michael J. Haley 11/7/08 Date

Michael T. Haley
 Licensed Structural Engineer
 State of Illinois No. 81-5991
 Expires 11/30/2008

APPROVED
 For Structural Adequacy Only

Ralph E. Anderson (TSO)
 Engineer of Bridges & Structures



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
U.S. ROUTE 150 OVER
LITTLE FARM CREEK
F.A.U. ROUTE 6757 SECTION (105B)BR-2
TAZEWELL COUNTY
STA. 49+20.43
S.N. 090-0175