B.M.: M Spike in Pole AF124 382Y
125'± North of Structure, Elev. 486.96

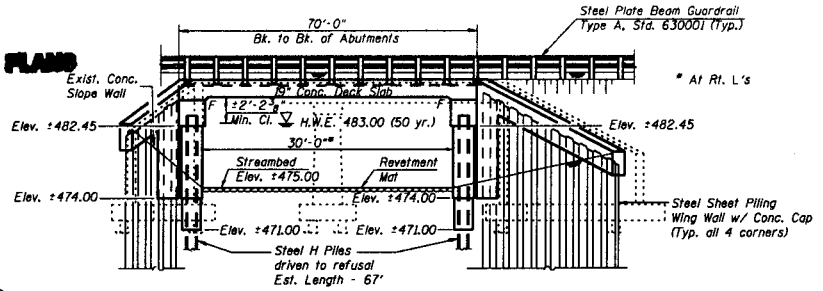
Existing Structure: S.N. 090-0038 Built in 1930 and rehabilitated in 1970. Two span prestressed 21"x36" deck beams on R.C. pier and closed abutments. The 7.5" concrete deck is 31'-0" wide out to out with skew angle of 59°43'. The length is 71'-10 7/8" bk. to bk. abutments. Structure is to be removed 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.
F.A.U. 6757 (U.S. 150)	(105B)BR-2	TAZEWELL		2 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

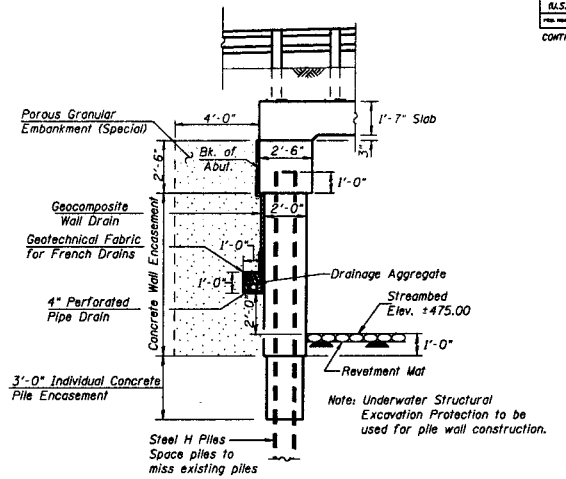
CONTRACT NO. 68086

APPROVED
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

JAN 27 2006

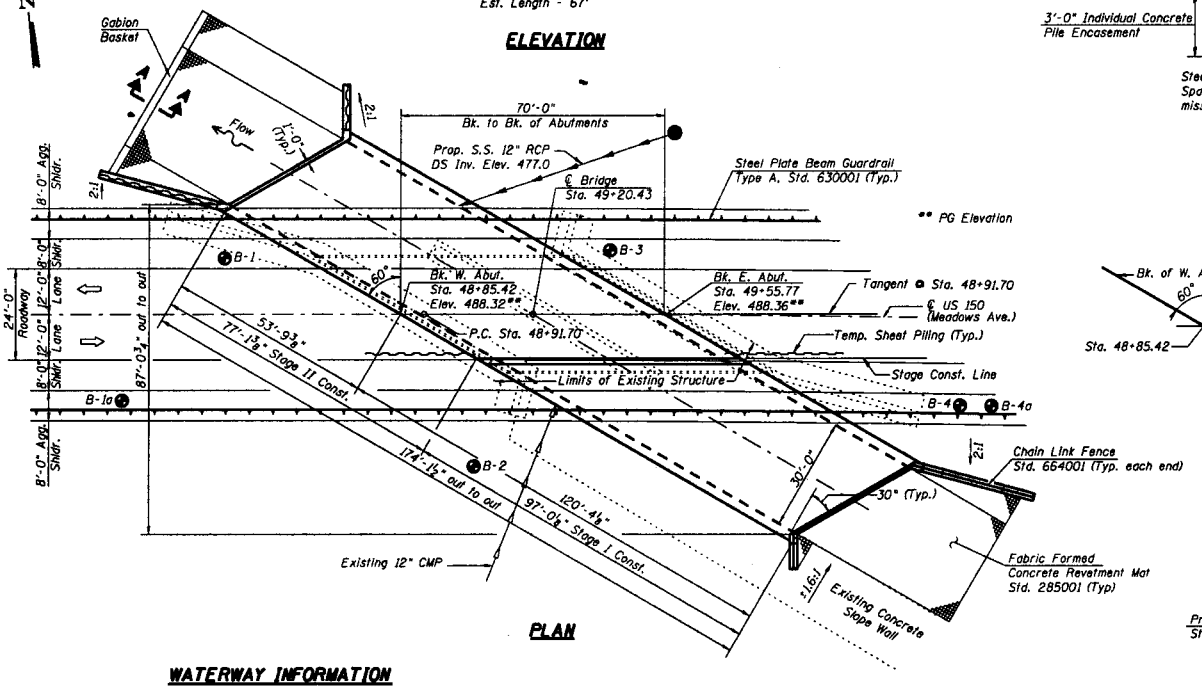


ELEVATION

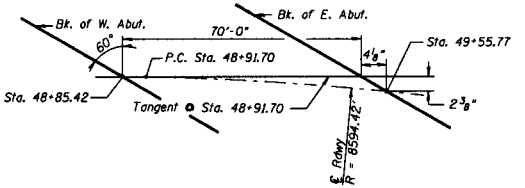


Note: Underwater Structural Excavation Protection to be used for pile wall construction.

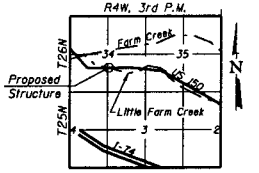
SECTION THRU ABUTMENT



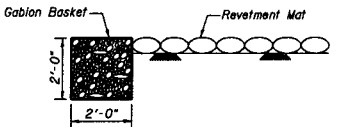
PLAN



OFFSET SKETCH



LOCATION SKETCH



SECTION A-A

CURVE DATA

P.I. = Sta. 54+02.80
Δ = 6° 48' 24" (RT)
D = 0° 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

HIGHWAY CLASSIFICATION

F.A.U Rte. 6757
Functional Class: Minor Arterial (Urban)
Posted Speed: 40 m.p.h.
Design Speed: 40 m.p.h.
ADT: 11,100 (1999); 13,567 (2020)

LOADING HS20-44

Allow 50 psf for future wearing surface.

DESIGN SPECIFICATIONS

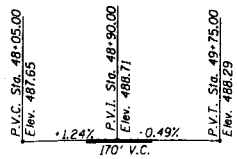
2002 AASHTO Standard Specifications

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



PROFILE GRADE

(Along ℄ Roadway)

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.	Opening Sq. Ft. Prop.	Natural H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	50	1993	172	217	483.0	3.7	0.9	486.7	483.9
Base	100	2345	189	244	483.6	4.1	1.0	487.7	484.6
Overtopping	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

REVISIONS	
NUMBER	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

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

SHEET NO. 2
2 SHEETS

CONTRACT NO. 68086

APPROVED
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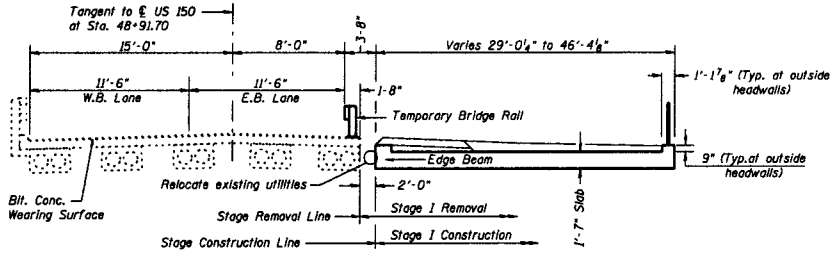
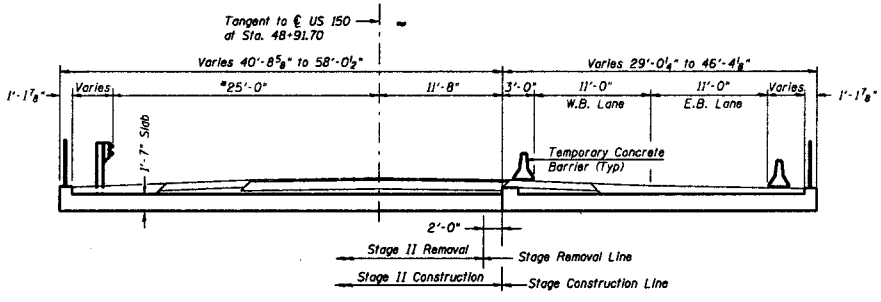
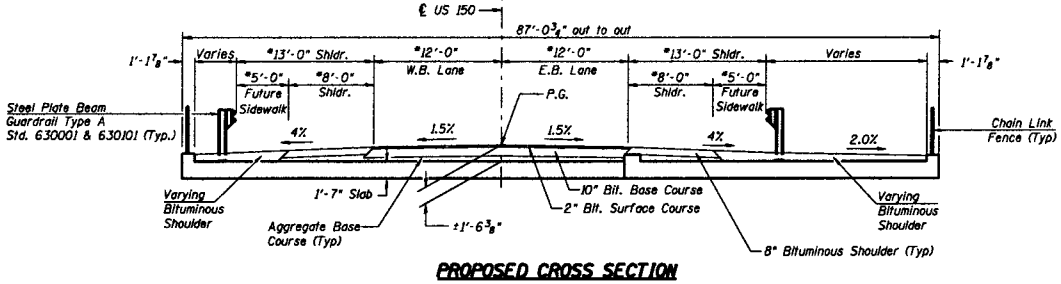


STAGE I CONSTRUCTION & TRAFFIC
(Looking East)
(Measured at right angles to Tangent at Sta. 48+91.70)



STAGE II CONSTRUCTION & TRAFFIC
(Looking East)
(Measured at right angles to Tangent at Sta. 48+91.00)

*Measured radially to ℄ roadway.



PROPOSED CROSS SECTION
(Looking East)
(Measured at right angles to Tangent at Sta. 48+91.70)

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