B.M. Chiseled "□" on S.W. Wingwall of Existing Structure 090-0040. Elev. 544.68.

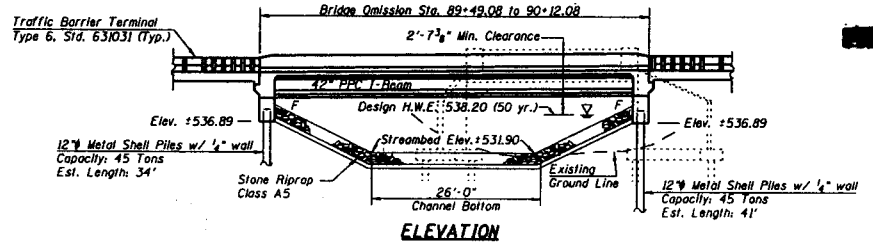
Existing Structure: S.N. 090-0040 Built in 1927. Single span R.C. Slab on closed R.C. Abutments, fixed at both ends (Top & Bottom Restrained). The Structure is 40'-3" wide between railings and spans 30'-3" back to back abutments with 30° skew. Structure is to be removed and replaced in stages. The road 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.
FAU 6757 (US 150)	(105B) BR-3	Tazewell		1
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		2 SHEETS

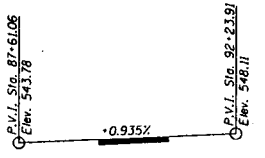
Contract #68086

APPROVED AS A BASIS FOR CONSIDERATION OF DETAILED ESTIMATES

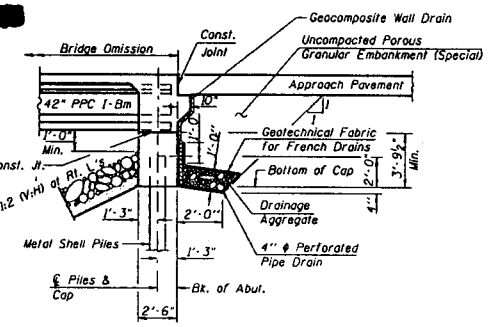
JAN 27 2006



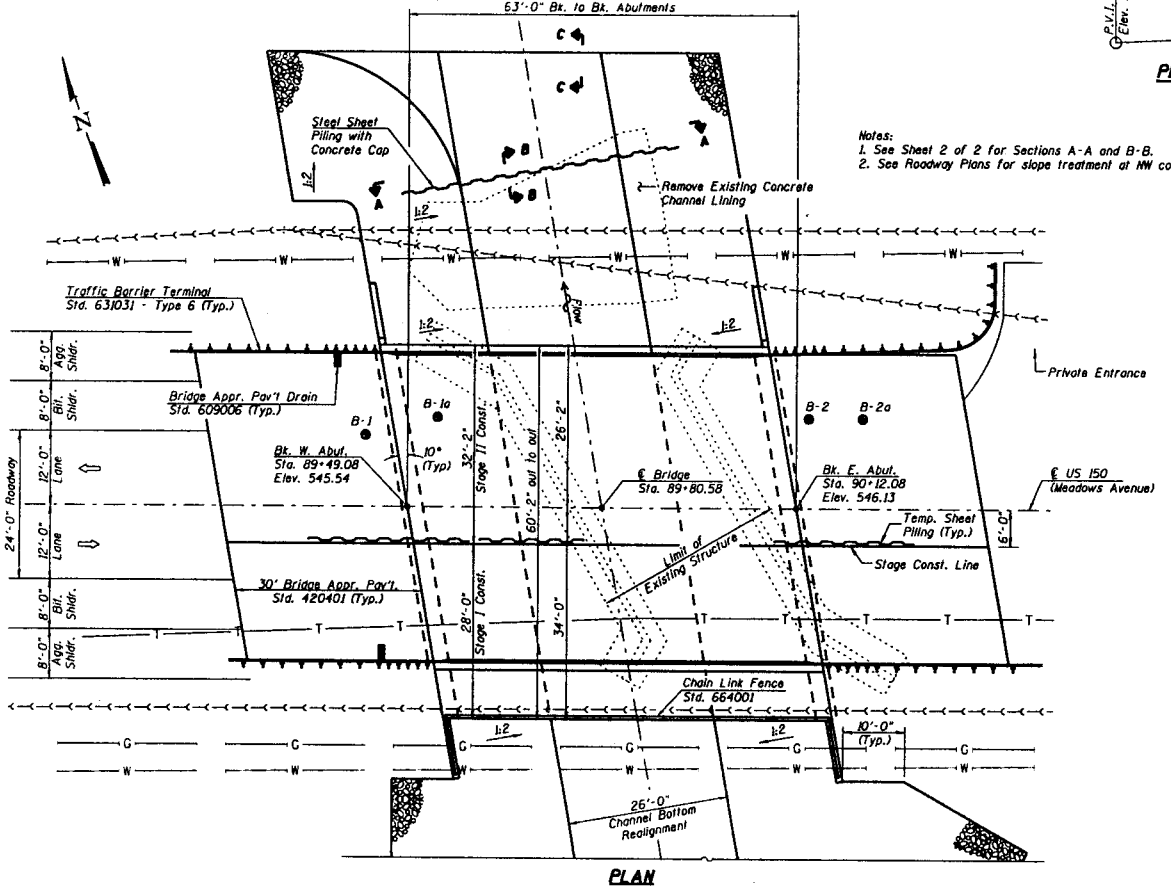
ELEVATION



PROFILE GRADE
(Along ℄ Roadway)



SECTION THRU INTEGRAL ABUTMENT
Dimensions at Rt L's



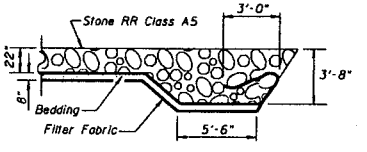
PLAN

Notes:
1. See Sheet 2 of 2 for Sections A-A and B-B.
2. See Roadway Plans for slope treatment at NW corner.

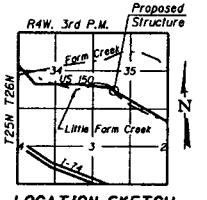
WATERWAY INFORMATION

Drainage Area = 2.78 Sq Mi Low Grade Elev. 542.8 @ Sta. 86+50

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	1530	128	233	538.2	2.4	0.0	541.2	538.2
Base	100	1790	137	252	538.6	2.8	0.0	541.6	538.6
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	2450	152	289	539.3	4.1	0.2	543.4	539.5



SECTION C-C



LOCATION SKETCH

HIGHWAY CLASSIFICATION

F.A.U Rte. 6757
Functional Class: Minor Arterial (Urban)
Design Speed: 40 m.p.h.
Posted Speed: 40 m.p.h.
ADT: 7900 (1997); 9275 (2017)

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)

PRECAST UNITS
f'_c = 6,000 psi
f'_{ci} = 5,000 psi
f'_s = 270,000 psi (½" ϕ Low Relaxation Strands)
f_{si} = 201,960 psi (½" ϕ Low Relaxation Strands)

SEISMIC DATA

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
U.S. 150 OVER LITTLE FARM CREEK
F.A.U. ROUTE 6757 SECTION (105B)BR-3
TAZEWELL COUNTY
STA. 89+80.58
S.N. 090-0176

$FILENAMEREV$
$TIME$
$DATE$

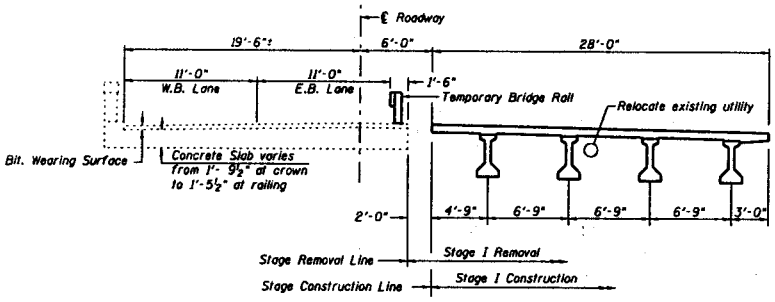
APPROVED
AS A BASIS FOR
[redacted]

JAN 27 2006

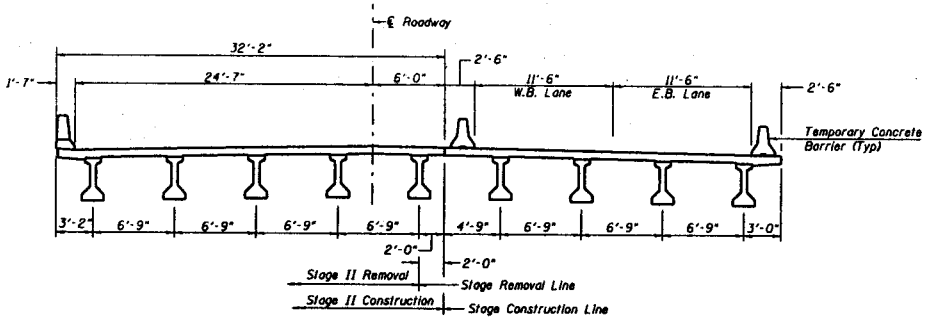
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
FAU 6757	(1058)	Tazewell		
U.S. 150	BR-3			

SHEET NO. 2
2 SHEETS

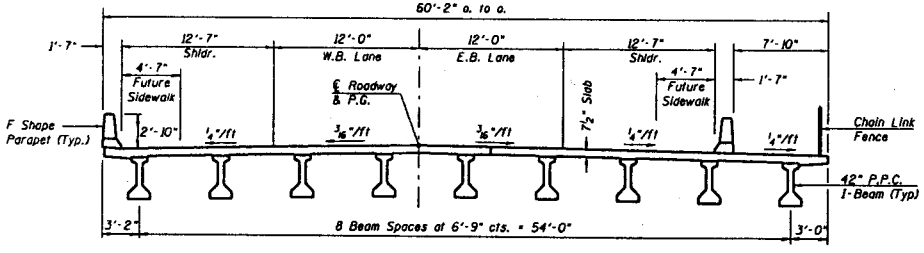
Contract #68086



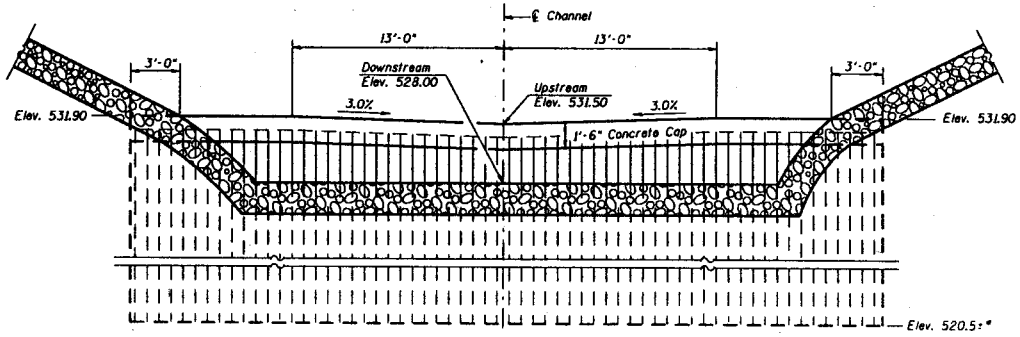
STAGE I CONSTRUCTION & TRAFFIC
(Looking East)



STAGE II CONSTRUCTION & TRAFFIC
(Looking East)

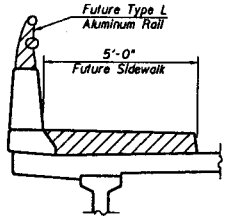


PROPOSED CROSS SECTION
(Looking East)

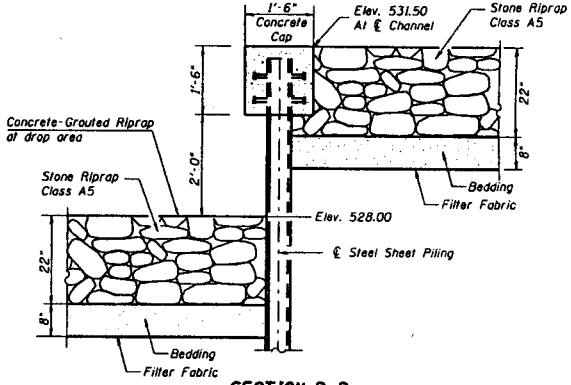


* Subject to refinement in final design

VIEW A-A
(Looking Upstream)



SECTION THRU FUTURE SIDEWALK



SECTION B-B

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
U.S. 150 OVER LITTLE FARM CREEK
F.A.U. ROUTE 6757 SECTION (1058)BR-3
TAZEWELL COUNTY
STA. 89+80.58
S.N. 090-0176