Bench Mark: Metal rivet on S.E. Abutment Wingwall, right of Sta. 141+46.00, Elev. 850.08

Existing Structure: S.N. 019-0002 Built in 1947 as S.B.I. Rte. 6, Section 34-X-B and renovated in 1980 as F.A. Rte. 567, Section 34-X-BY. Structure consists of a 2-span continuous, RC Girder Bridge that has been widened in 1980 as F.A. Rte. 567, Section 34-X-BY. Structure consists of a 2-span continuous, RC Girder Bridge that has been widened with PPC deck beams, on closed abutments and solid piers. 86'-6" back-to-back abutments. 60'-0" out-to-out deck. Structure to be removed and replaced using stage construction to maintain one lane of traffic in each direction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

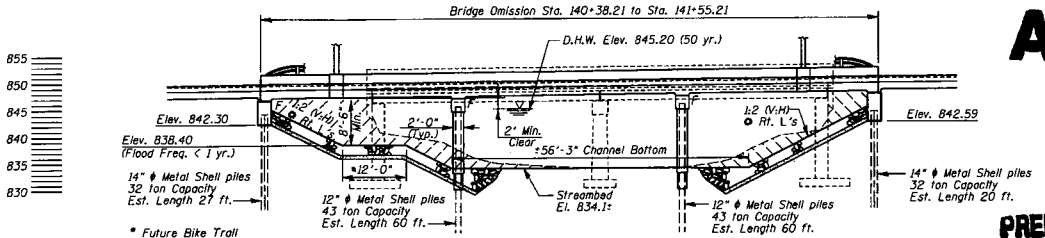
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 567 (IL 38)	34-XBR	DEKALB	-	-
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
2 SHEETS

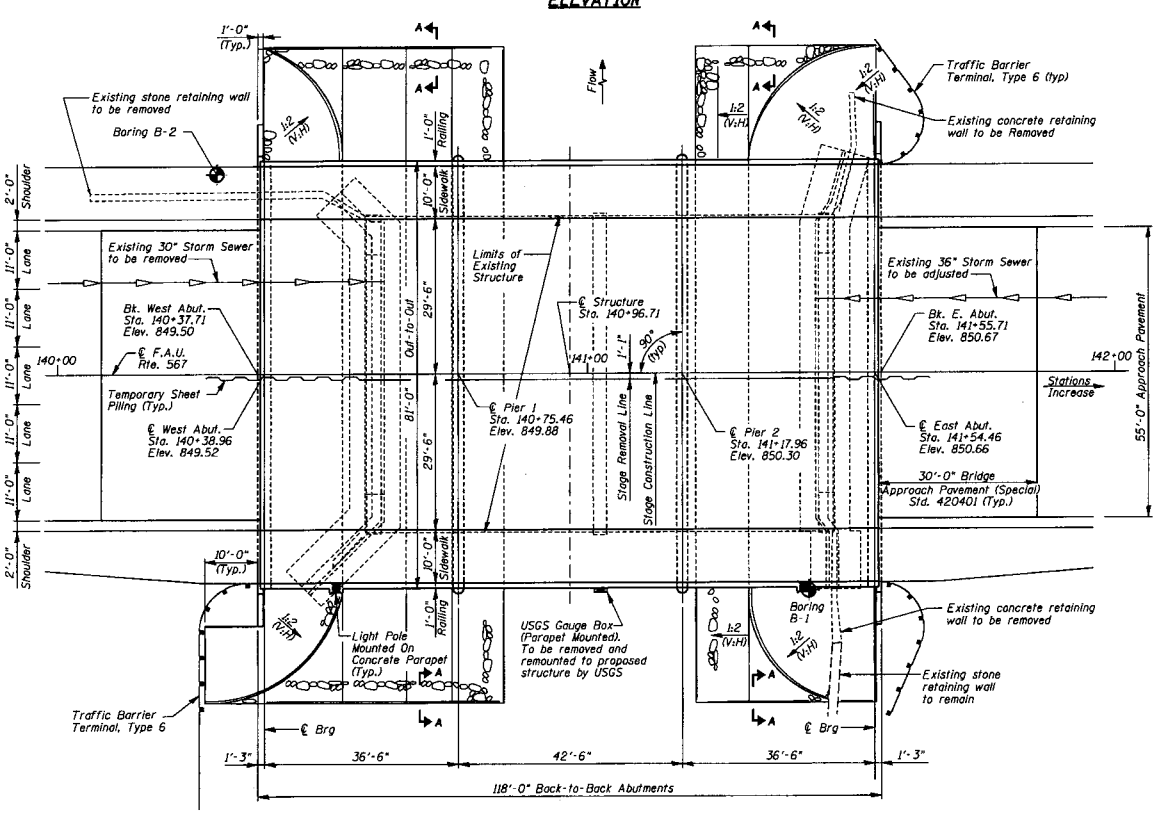
APPROVED

AUG 0 2 2004

AS A BASIS FOR PREPARATION OF DETAILED PLANS



ELEVATION



PLAN

HIGHWAY CLASSIFICATION

F.A.U. Rte. 567 - IL Rte. 38
Functional Class: Other Principal Arterial
ADT: 21,800 (2003); 29,400 (2023)
DHV: 2940
Design Speed: 30 m.p.h.
Posted Speed: 30 m.p.h.

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

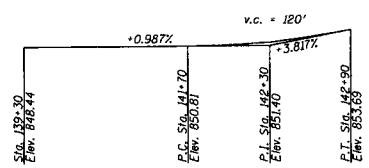
SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.036 g
Site Coefficient (S) = 1.2

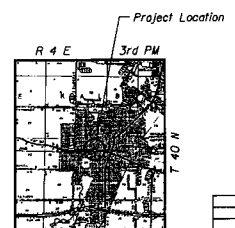
WATERWAY INFORMATION TABLE

Drainage Area = 77.70 sq. mi. Low Grade Elev. 846.13 ⊙ Sta. 141+02.40

Flood	Freq. Yr.	Q CFS	Opening Sq. ft.		Nat. H.W.E.	Head - Ft.		Headwater Elev.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	1850	594	681	843.0	0.2	0.2	843.2	843.2
Design	50	2910	739	904	845.2	0.3	0.3	845.5	845.5
Base	100	3400	789	998	846.0	0.6	0.6	846.6	846.6
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	4186	872	1108	847.0	0.6	0.6	847.6	847.6



PROFILE GRADE
(Along ℄ roadway)



LOCATION MAP

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

F.A.U. ROUTE 567 (IL 38) OVER
SOUTH BRANCH OF THE KISHWAUKEE RIVER
DEKALB COUNTY - SEC. 34-XBR
STA. 140+96.71
S.N. 019-0044

SCALE: VERT. HORIZ.
DATE: 10/31/02

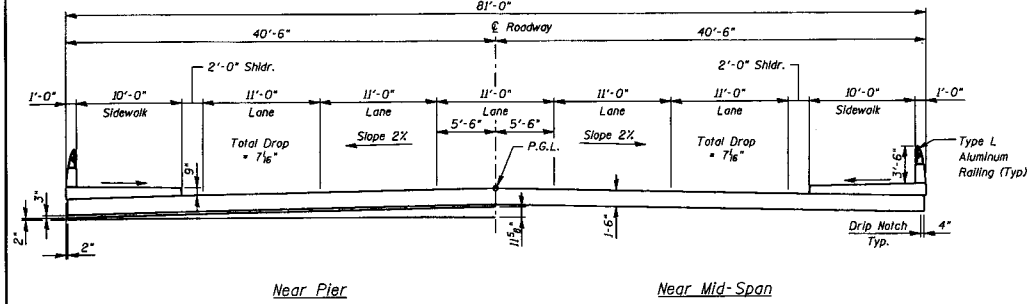
DRAWN BY: HEBERLING
DESIGNED BY: WATKINS
CHECKED BY: SANFORD

COMPUTER FILE NO. 00408TSL

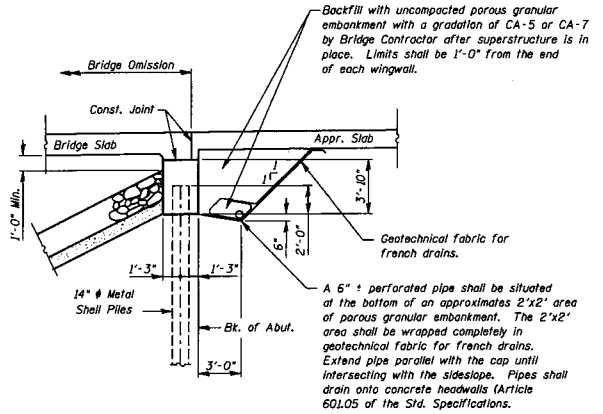
PROJECT 00408
7/13/04-MML

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. 567 (IL 38)	34-XBR	DEKALB	-	-
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

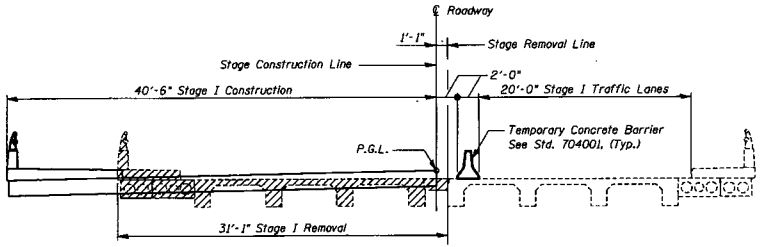
SHEET NO. 2
2 SHEETS



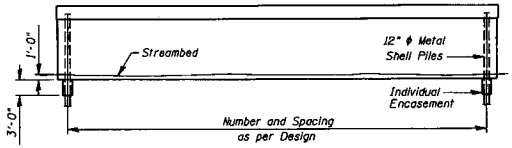
CROSS SECTION
(Looking East)



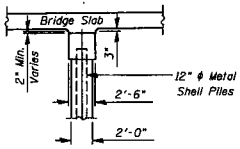
SECTION THRU INTEGRAL ABUTMENT



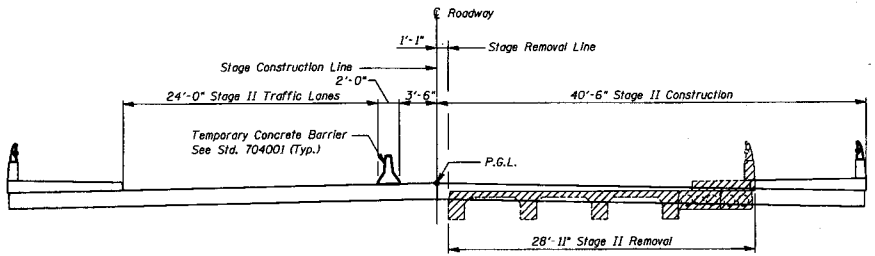
STAGE I CONSTRUCTION
(Looking East)



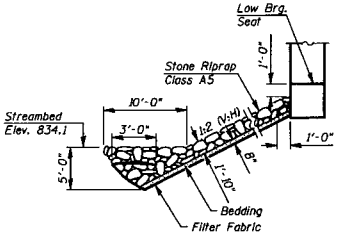
PIER SKETCH



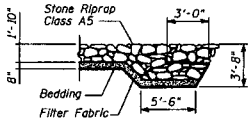
SECTION THRU PIER



STAGE II CONSTRUCTION
(Looking East)



STONE RIPRAP ANCHOR DETAIL



SECTION A-A

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS

F.A.U. ROUTE 567 (IL 38) OVER
SOUTH BRANCH OF THE KISHWAUKEE RIVER
DEKALB COUNTY - SEC. 34-XBR
STA. 140+96.71
S.N. 019-0044

SCALE: VERT. HORIZ.
DATE: 11/1/02

DRAWN BY: HEBERLING
DESIGNED BY: WATKINS
CHECKED BY: SANFORD

COMPUTER FILE NO. 00408TSL

PROJECT 00408
7/13/04-MML