Bench Mark: Chisled □ on Pier Crashwall, Sta. 895+86, 1.6' Rt. Elev. 895.86.

Existing Structure: S.N. 050-0084 built as F.A.I. Route 80, Sec. 50-24B-5 in 1961. Four simple span precast, prestressed concrete I-beams on open abutments and multi-column piers. 204'-7" back to back of abutments, 60'-0" out to out. Existing structure to be removed and replaced utilizing stage construction.

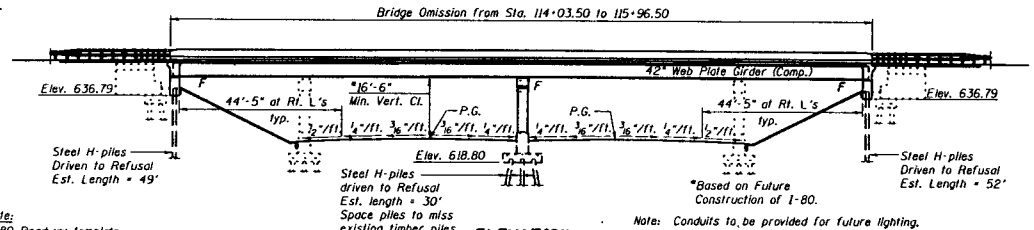
No Salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 80	*	LASALLE	-	-
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1
2 SHEETS

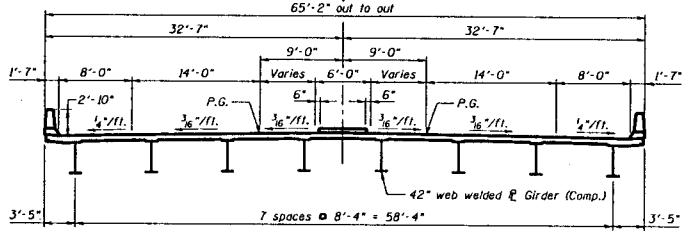
* (50-3)HBK



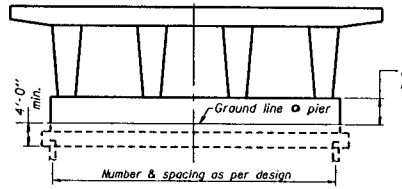
Note: Conduits to be provided for future lighting.

Note: I-80 Roadway template shown is Future Construction.

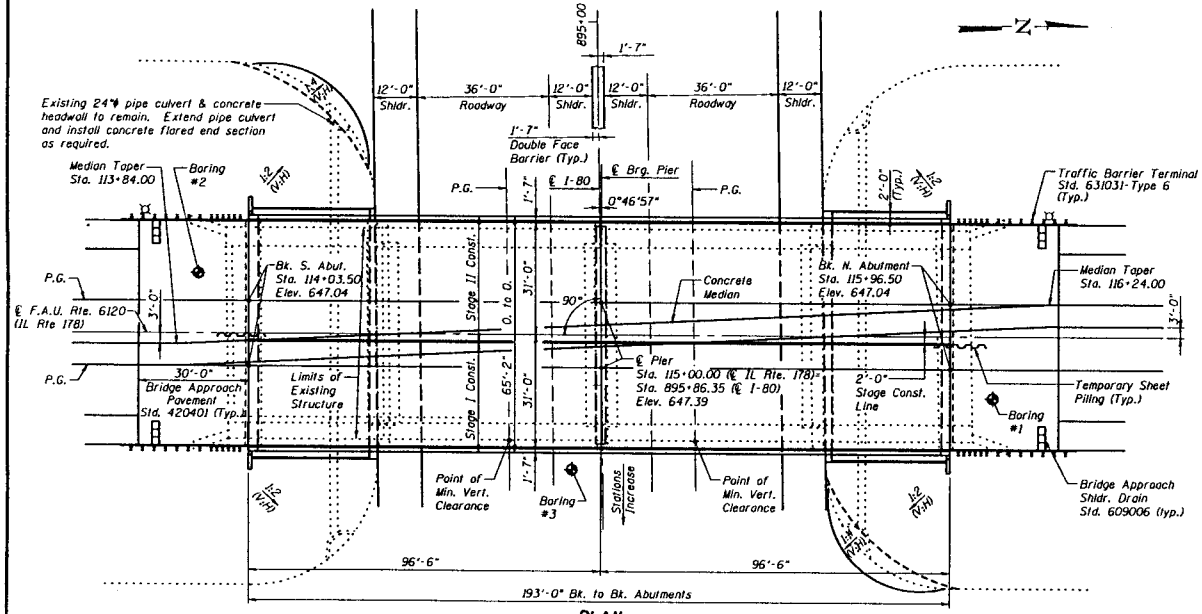
ELEVATION



CROSS SECTION



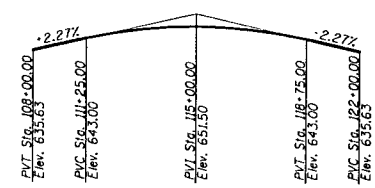
PIER SKETCH



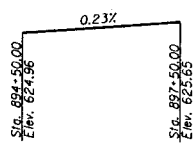
PLAN

APPROVED
DEC 08 2004
AS A BASIS FOR PREPARATION OF DETAILED PLANS

SECTION THRU INTEGRAL ABUTMENT



PROFILE GRADE IL 178
(Along Profile Grade)



PROFILE GRADE I-80
(Future Construction)

HIGHWAY CLASSIFICATION

FAU Rte. 6120 (IL Rte. 178/CH 43)
Functional Class: Urban Minor Arterial
ADT: 6440 (2008); 9710 (2028)
ADTT: 15.6%
DHV: 708 (2008); 1068 (2028)
Design Speed: 55 m.p.h.
Posted Speed: Unposted

FAI 80 - Interstate 80
Functional Class: Interstate
ADT: 31,150 (2008); 49,160 (2028)
ADTT: 38.4%
Design Speed: 70 m.p.h.
Posted Speed: 65 m.p.h.

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO 17th Ed.

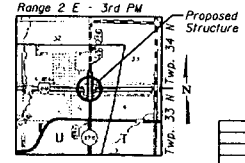
DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi
f_y = 50,000 psi (M270 Gr. 50 structural steel)
f_y = 60,000 psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.038 g
Site Coefficient (S) = 1.0



LOCATION SKETCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

FAU 6120 (IL RTE 178 - UTICA ROAD) OVER I-80
F.A.I. 80 SECTION (50-3)HBK
STA. 115+00.00
LASALLE COUNTY
STRUCTURE NUMBER 050-0248

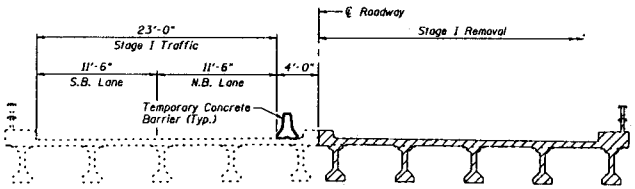
SCALE: VERT. HORIZ.
DATE: 5/14/04
DRAWN BY: LANDRET
DESIGNED BY: SANFORD
CHECKED BY: WATKINS
COMPUTER FILE NO. SN0500248.TSL
PROJECT 02317
12/1/04-MML

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

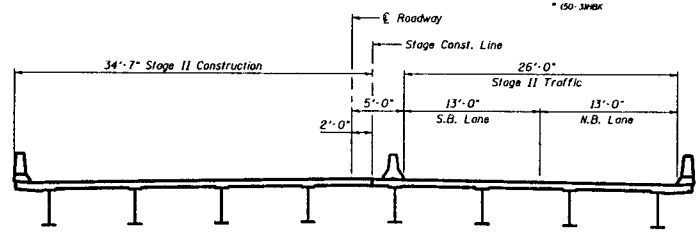
ROUTE NO.	SECTION	COUNTY	PROJ. NO.	PARCEL
FAI 80	*	LASALLE	-	-
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

* (50-3)HBK

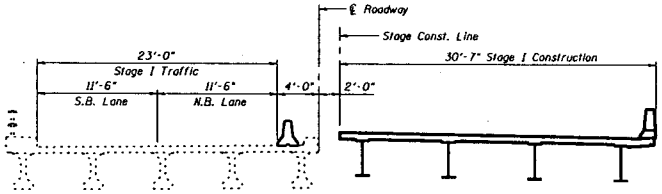
SHEET NO. 2
2 SHEETS



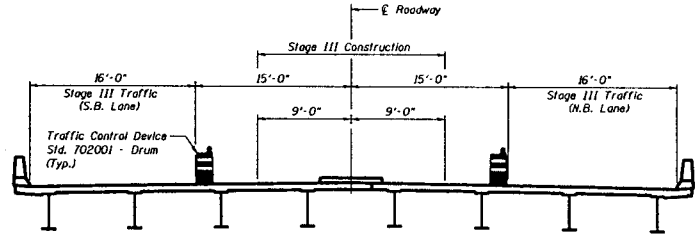
STAGE I REMOVAL



STAGE II CONSTRUCTION



STAGE I CONSTRUCTION



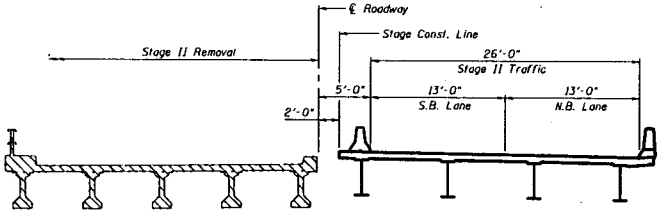
STAGE III CONSTRUCTION

Note: All cross sections are looking North.

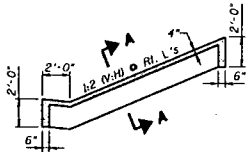
APPROVED

DEC 08 2004

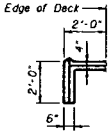
AS A BASIS FOR
PREPARATION OF DETAILED PLAN



STAGE II REMOVAL



SECTION THRU SLOPEWALL



SECTION A-A

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS

FAU 6120 (IL RTE 178 - UTICA ROAD) OVER I-80
F.A.I. 80 SECTION (50-3)HBK
STA. 115+00.00
LASALLE COUNTY
STRUCTURE NUMBER 050-0248

SCALE: VERT.
HORIZ.
DATE: 5/14/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

CORPORATE FILE NO.
SN0500248.STG

PROJECT 02337
11/18/04-MAA