Bench Mark: RR spike in telephone pole at Station 35+44, 26.5' left. Elevation 608.61.

Existing Structure: S.N. 037-0093 built in 1963 as F.A.I. Route 80, Section 37-1HB-1. Structure consists of four span reinforced concrete deck on continuous steel wide flange beams supported by pile bent spill thru abutments and hammerhead piers. 216'-2" back-to-back abutments. 31'-8" out-to-out deck. Structure to be removed and replaced. Road to be closed and traffic detoured during construction.

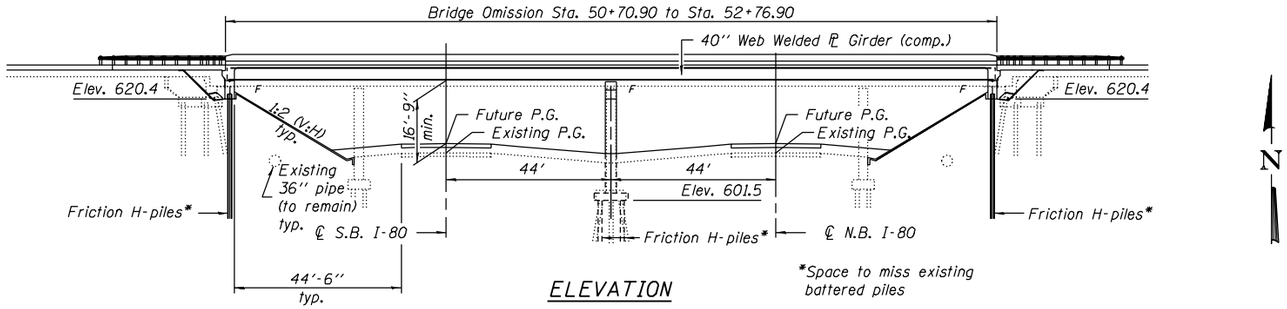
No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

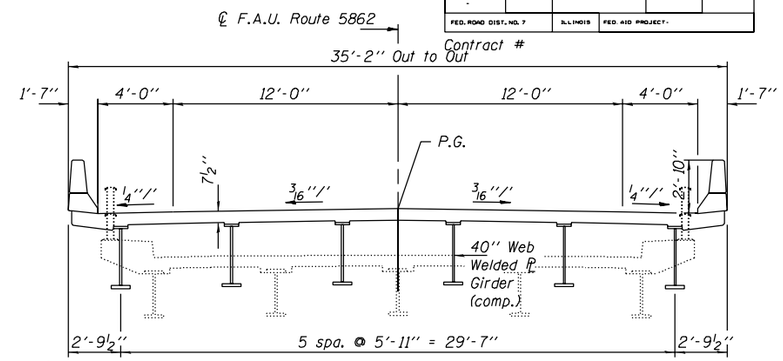
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	-		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. - - SHEETS

Contract #

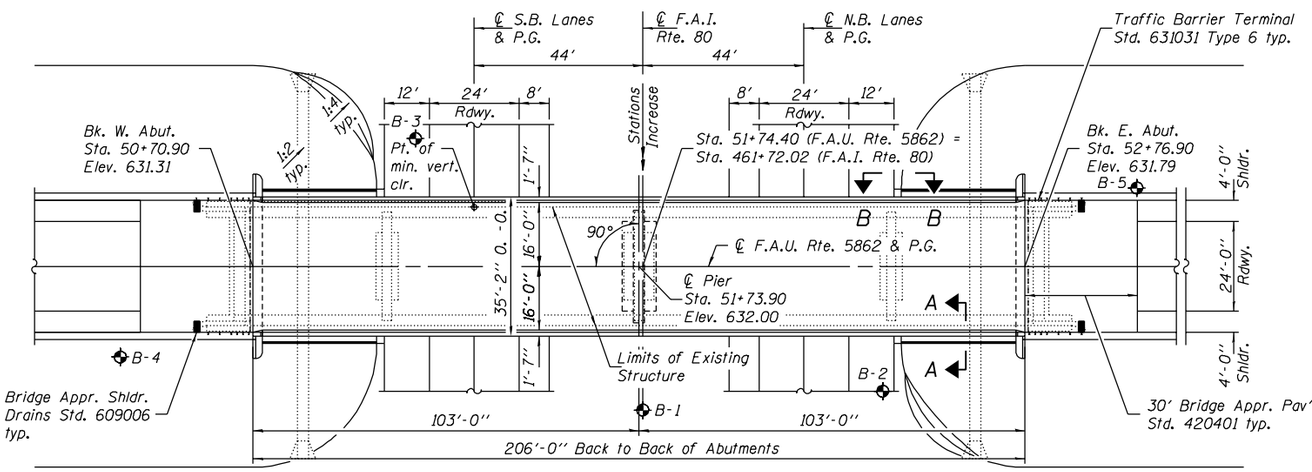


ELEVATION

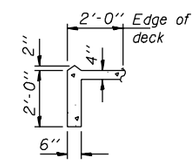


CROSS SECTION

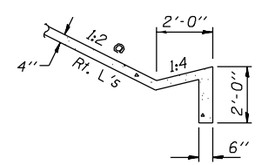
APPROVED
AS A BASIS FOR
PREPARATION OF DETAILED PLANS
MAY 12 2005



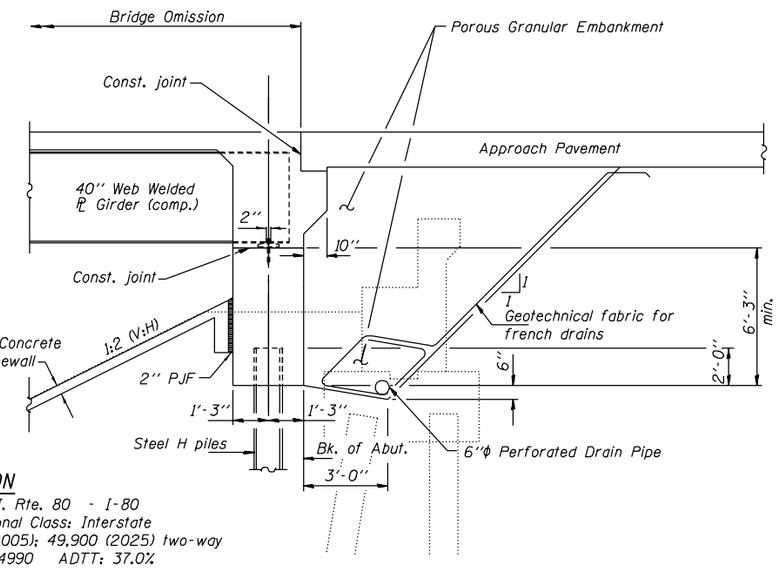
PLAN



SECTION A-A



SECTION B-B



SECTION THRU INTEGRAL ABUTMENT

HIGHWAY CLASSIFICATION

F.A.U. Rte. 5862 - Poppy Garden Road
Functional Class: Major Collector
ADT: 2800 (2005); 3400 (2025)
DHV: 340 ADTT: 4.9%
Design Speed: 55 m.p.h.
Posted Speed: 50 m.p.h.

F.A.I. Rte. 80 - I-80
Functional Class: Interstate
ADT: 22,800 (2005); 49,900 (2025) two-way
DHV: 4990 ADTT: 37.0%
Design Speed: 70 m.p.h.
Posted Speed: 65 m.p.h.

LOADING HL-93

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

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, US, 3rd. Edition - 2004

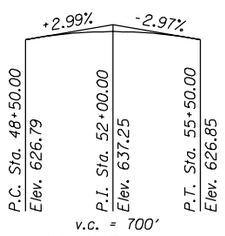
DESIGN STRESSES

FIELD UNITS

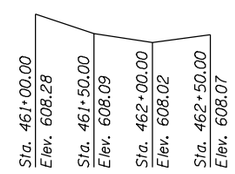
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (AASHTO M270 Grade 50)

SEISMIC DATA

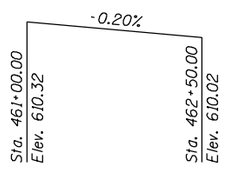
Seismic Performance Zone (SPZ) = 1
Bedrock Acceleration Coefficient (A) = 3.4%g
Site Coefficient (S) = 1.0



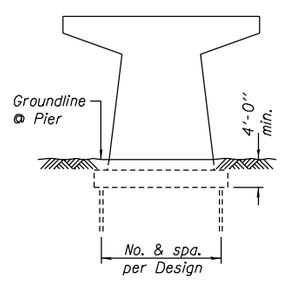
PROFILE GRADE
(along ℄ F.A.U. Rte. 5862)



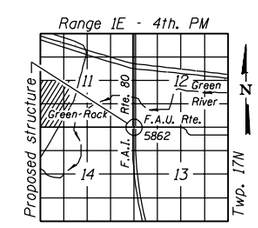
EXISTING PROFILE GRADE
(along P.G. S.B. F.A.I. Rte. 80)



FUTURE PROFILE GRADE
(along P.G. F.A.I. Rte. 80)



PIER SKETCH



LOCATION SKETCH

GENERAL PLAN
POPPY GARDEN ROAD OVER
I-80
F.A.U. ROUTE 5862 - SEC. 37-1HBR-1
HENRY COUNTY
STATION 51+74.40
STRUCTURE NO. 037-0171

DESIGNED	G.G. Eicher
CHECKED	R.J. Chaput
DRAWN	W.D. Collins
CHECKED	T.A. Craven

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES