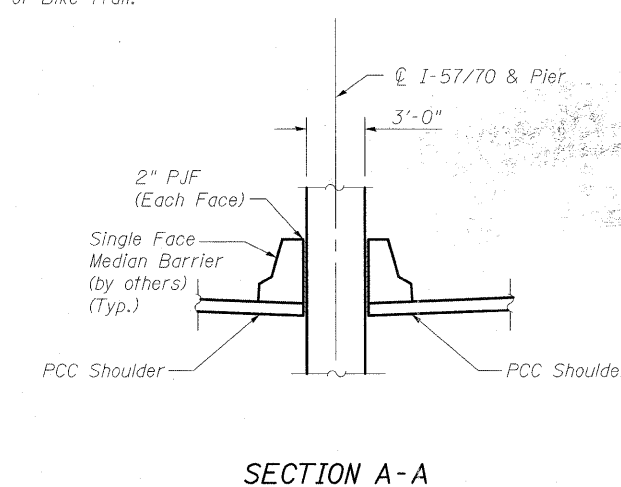
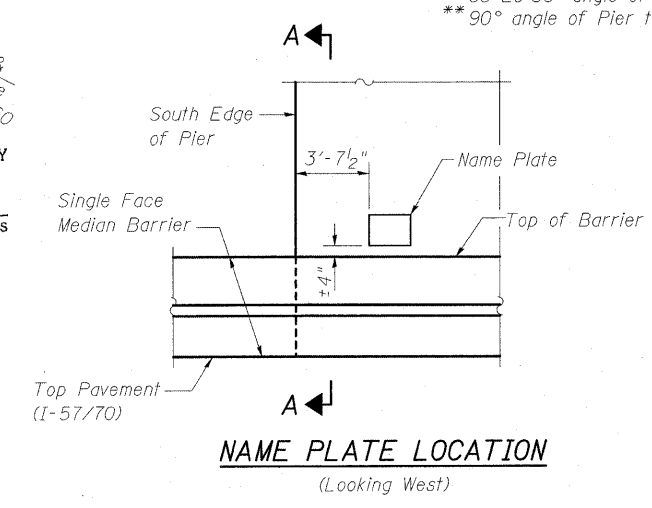
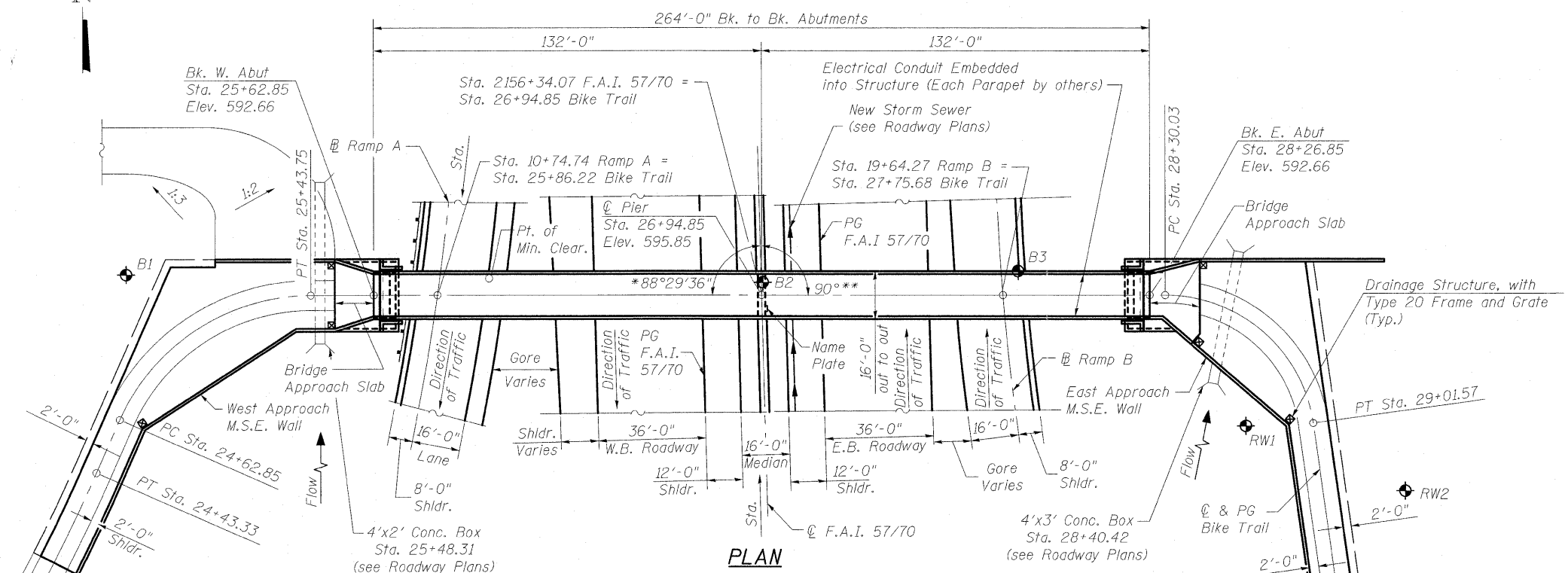
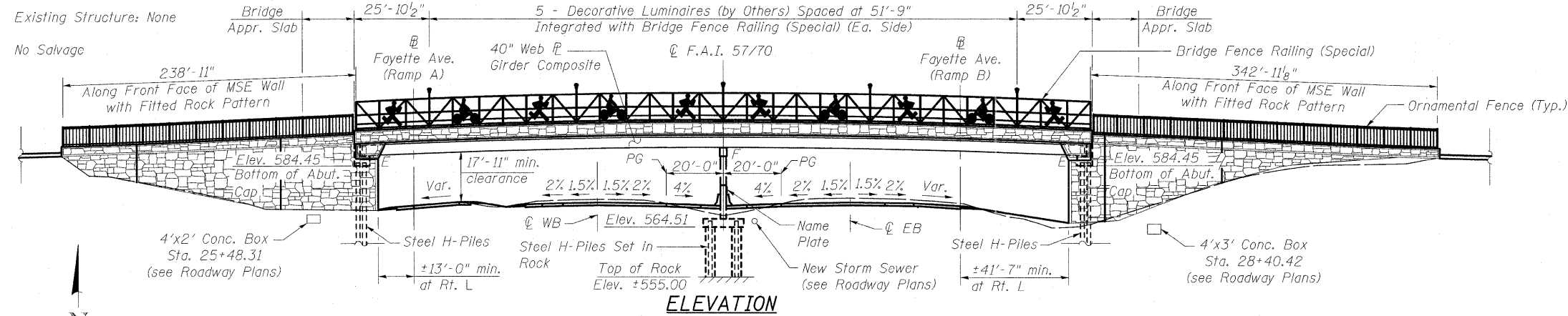


Bench Mark: Northeast bolt on sign base in median of I-57/70. Sign displaying "South Memphis, West St. Louis 2 Miles". Sta. 2158+86.00, 0.60' Rt, Elev. 570.18



**LOADING**

Pedestrian Live Load = 85 psf  
Vehicle Live Load = H-10  
Allow 25 psf future wearing surface

**DESIGN SPECIFICATIONS**

AASHTO LRFD Bridge  
Design Specifications 5th Edition 2010  
AASHTO Guide Specifications  
for Design of Pedestrian Bridges 2009

**DESIGN STRESSES**

FIELD UNITS

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

PRECAST UNITS

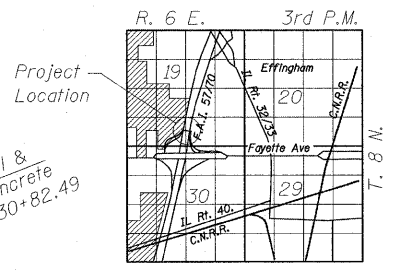
$f'_c$  = 4,500 psi (Precast Panels)

STATION 2156+34.07  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
F.A.I. 57/70 SEC. (25-3)PB  
LOADING H-10  
STRUCTURE NO. 025-6010

**NAME PLATE**  
See Std. 515001

**SEISMIC DATA**

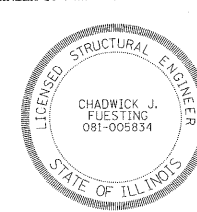
Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ )=0.15g  
Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ )=0.36g  
Soil Site Class = C



**GENERAL PLAN**  
BIKE TRAIL BRIDGE OVER  
F.A.I. ROUTE 57/70  
SECTION (25-3)PB  
EFFINGHAM COUNTY  
STATION 26+94.85  
STRUCTURE NUMBER 025-6010

**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY

*Chadwick J. Feusting*  
ENGINEER OF BRIDGES AND STRUCTURES



EXP. 11-30-2012  
*Chadwick J. Feusting*  
5/6/2011

FILE NAME = _D774299-0256010-stn001.dgn	USER NAME =	DESIGNED - BB	REVISED -
Illinois Design Firm Number 184.001670		CHECKED - ACS	REVISED -
PLOT SCALE =		DRAWN - WJS	REVISED -
PLOT DATE = 7:38:41 AM 5/6/2011		CHECKED - CJF	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SHEET NO. 1 OF 46 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-3)PB	EFFINGHAM	1098	370
SN 025-6010			CONTRACT NO. 74299	
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				