

B.M. 3249  
Cul square on E. edge and S. end of middle pier of Rt. 126 bridge over I-55.  
El. 625.30

Existing Structure -  
Structure No. 099-0031 was constructed in 1955 under Section No. 27 HB-1. The superstructure and substructure was rehabilitated in 1993 under Section No. 27 HB-1BR. The bridge deck was removed and replaced and the substructure was raised approximately 2'-0" to accommodate an existing vertical clearance of 16'-3". The existing structure is 309'-4" Bk. to Bk. of Abutments and consists of a four span 32'-0" wide reinforced concrete deck supported on a continuous non-composite wide flange steel beam superstructure. The substructure consists of concrete piers and bent type abutments supported on a concrete pile foundation.

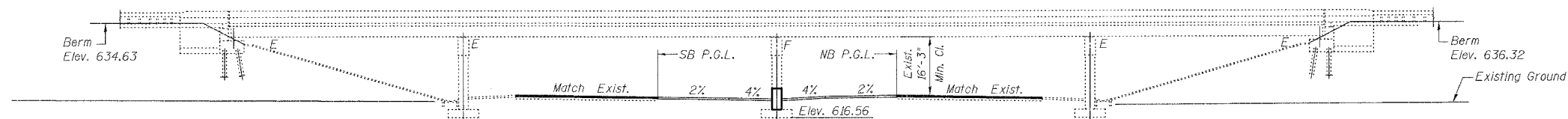
Salvage -  
None

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

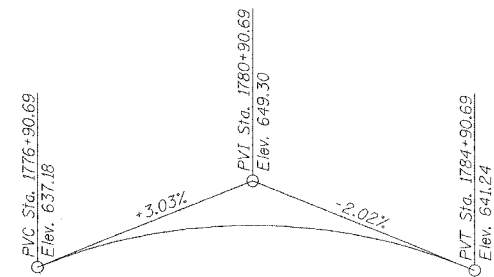
ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
FAI 55	**	WILL	505	395

5 SHEETS

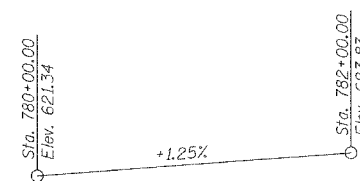
\*\* SECTION 2006-032 BY  
CONTRACT NO. 60B86



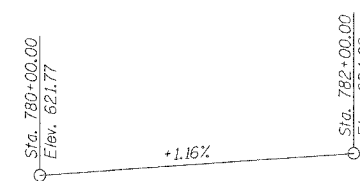
ELEVATION



EXISTING IL. RTE. 126 (RAMP B)  
PROFILE GRADE



SB I-55 PROFILE GRADE



NB I-55 PROFILE GRADE

SCOPE OF WORK

1. Repair substructure defects at Pier 1, Pier 2, & Pier 3 with Structural Repair of Concrete and/or Epoxy Crack Sealing.
2. The Pier 2 Crashwall will be extended to a height equal to 42" from edge of pavement to match the proposed I-55 mainline median barrier configuration.

DESIGN SPECIFICATIONS

AASHTO 2002

LOADING HS20-44

Allow 25#/sq. ft. for future wearing surface.

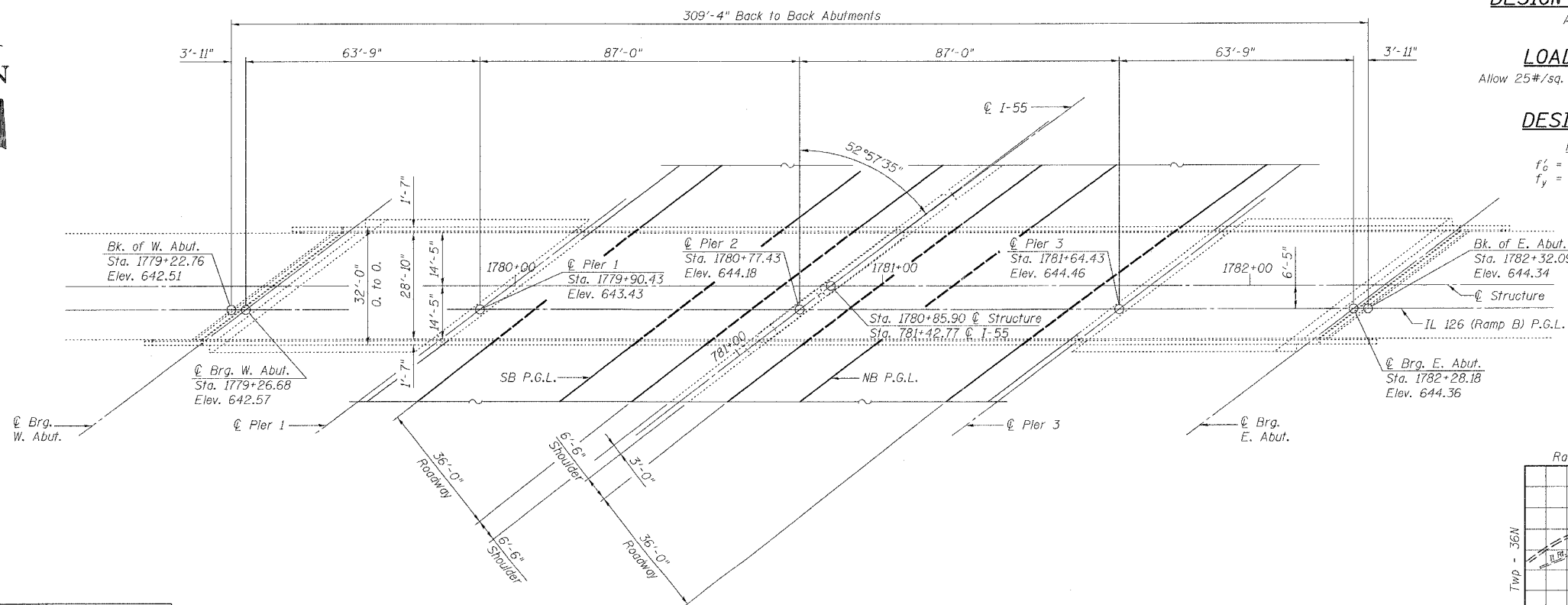
DESIGN STRESSES

FIELD UNITS

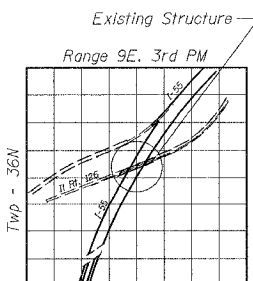
$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)

PROP. I-55 CURVE DATA C21

P.I. Sta. = 779+08.16  
 $\Delta = 53^{\circ}46'28''$  (RT.)  
 $D = 1^{\circ}14'58''$   
 $R = 4,586.00'$   
 $T = 2,325.33'$   
 $L = 4,304.16'$   
 $E = 555.84''$   
P.C. Sta. = 755+82.83  
P.T. Sta. = 798+86.99



PLAN



LOCATION SKETCH



Signed *Jamal I. Grainawi*  
Jamal I. Grainawi, S.E. IL. Lic. No. 081-005161  
Expires 11-30-2006  
Date 07-25-2006

GENERAL PLAN AND ELEVATION  
IL. ROUTE 126 (RAMP B)  
OVER FAI ROUTE 55 (I-55)  
SECTION 2006-032 BY  
WILL COUNTY  
STA. 1780+77.43  
STRUCTURE NO. 099-0031



DESIGNED	S.CHELBIAN
CHECKED	J.GRAINAWI
DRAWN	D.C.PATEL
CHECKED	J.GRAINAWI

Date: 7/21/2006