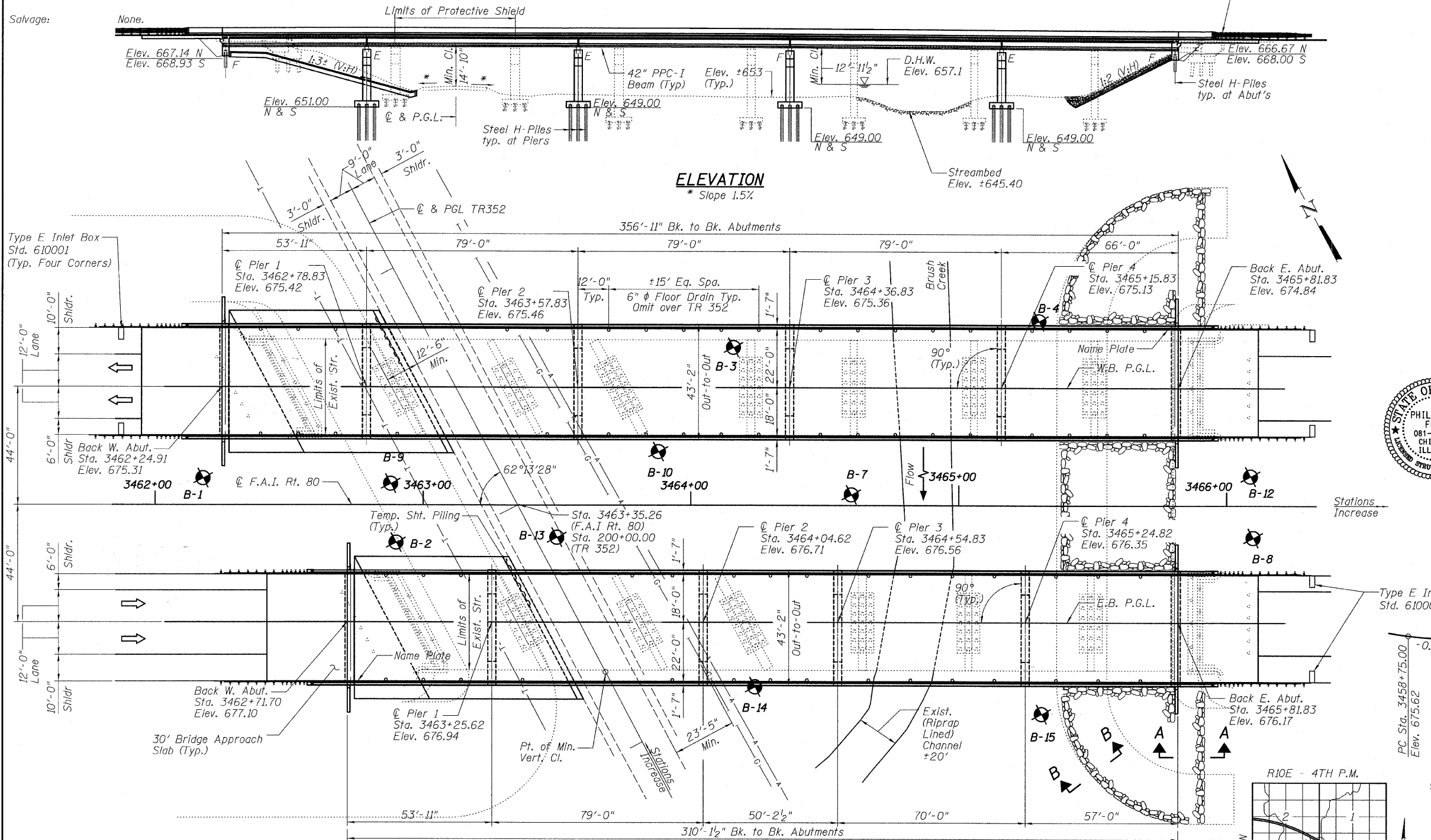


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Bench Mark: BM #408 Permanent Survey Marker. Sta. 3422+41.05 Offset 139.15 Left, El. 692.91

Existing Structure: S.N. 006-0026 EB and 006-0027 WB. Built as F.A. Rte. 80 Section 06-7B, in 1963. The superstructures consist of 294'-0" (0026) and 340'-9 1/2" (0027) (back to back of abutments) by 35'-8" wide reinforced concrete decks on Rolled Steel Beams supported on pile bent spill through abutments and hammer head piers. Existing structures to be removed and replaced using crossovers.

Salvage: None.



Traffic Barrier Terminal Type 6  
Std. 631031, Typ. all corners  
See Roadway Plans

**DESIGN SPECIFICATION**  
AASHTO 2002 Standard Specifications  
for Highway Bridges

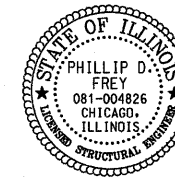
**LOADING HS20-44 & ALT.**  
Allow 50#/sq. ft. for future wearing surface.

**SEISMIC DATA**  
Seismic Performance Category (SPC) = A  
Bedrock Acceleration Coefficient = 0.036  
Site Coefficient = 1

**DESIGN STRESSES**  
**FIELD UNITS**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

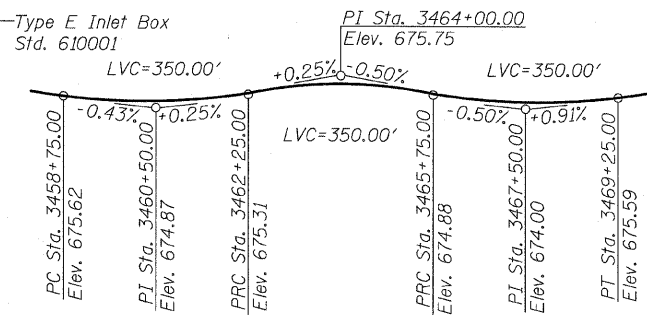
**PRECAST PRESTRESSED UNITS**  
f'c = 6,000 psi  
f'ci = 5,000 psi  
f's = 270,000 psi (1/2" φ low Relax. strands)  
fsl = 201,960 psi (1/2" φ low Relax. strands)

NOTE:  
For Waterway Information Table and  
Design Scour Table, See Sheet 2 of 59.

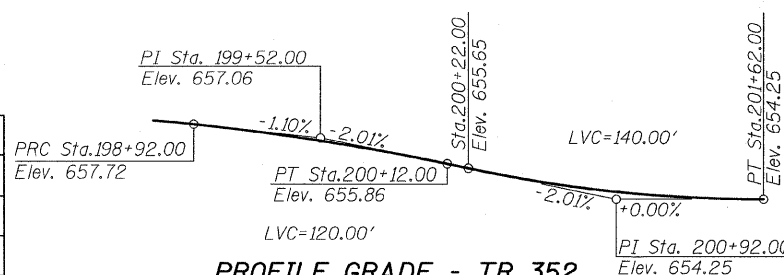


Signed Phillip D. Frey  
Phillip D. Frey, S.E. II, Lic. No. 081-004826  
Expires 11-30-2010.  
Date 9-4-09

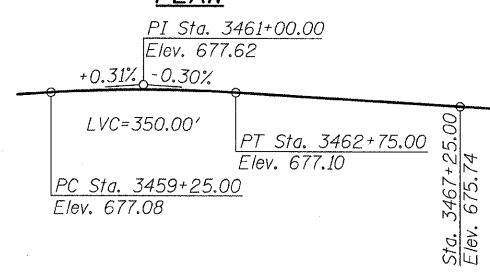
**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY  
Ralph E. Anderson  
ENGINEER OF BRIDGES AND STRUCTURES



**PROFILE GRADE - I-80 WESTBOUND**



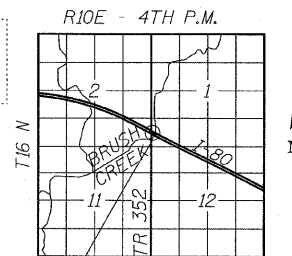
**PROFILE GRADE - TR 352**



**PROFILE GRADE - I-80 EASTBOUND**

DESIGNED	- SP
CHECKED	- PDF
DRAWN	- MF, SP
CHECKED	- PDF

- LEGEND**
- A — Exist. Aerial Line
  - G — Exist. Underground Gas Line
  - T — Exist. Underground Telephone
  - ⊙ Boring Location
  - N North Bridge
  - S South Bridge



**LOCATION SKETCH**

SHEET NO. 1	F.A. RTE. 80	SECTION *	COUNTY BUREAU	TOTAL SHEETS 344	SHEET NO. 95
59 SHEETS					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 66908	

TYLIN INTERNATIONAL