

**BENCHMARKS:**  
TBM "5E" Square cut in southeast corner of the southwest crashwall of I-80 Bridge over Abandoned Railroad. El. 192.219

**EXISTING STRUCTURE:**  
Structure No. 016-0080 Built in 1947. Five span, 136.94 m long, continuous composite steel multi-beam bridge on multi-column concrete piers and open abutments. 16.98 m between barriers (Each Direction). (Partial Removal in this Contract)

**SALVAGE:** None  
**STAGING:** See Shts. RS-4 and RS-5.

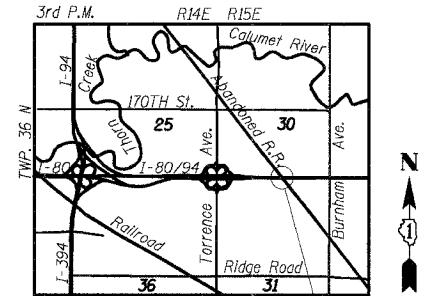
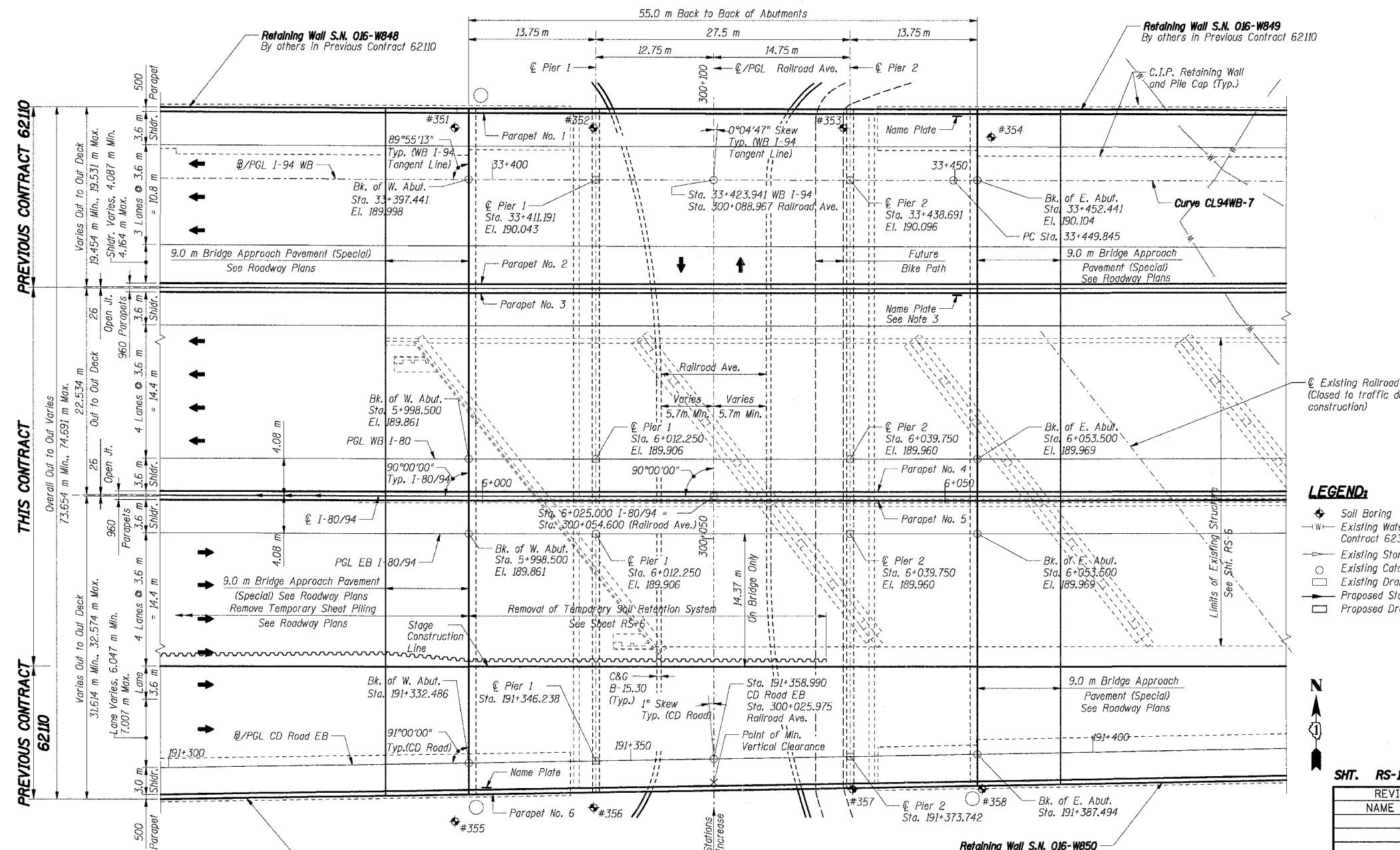
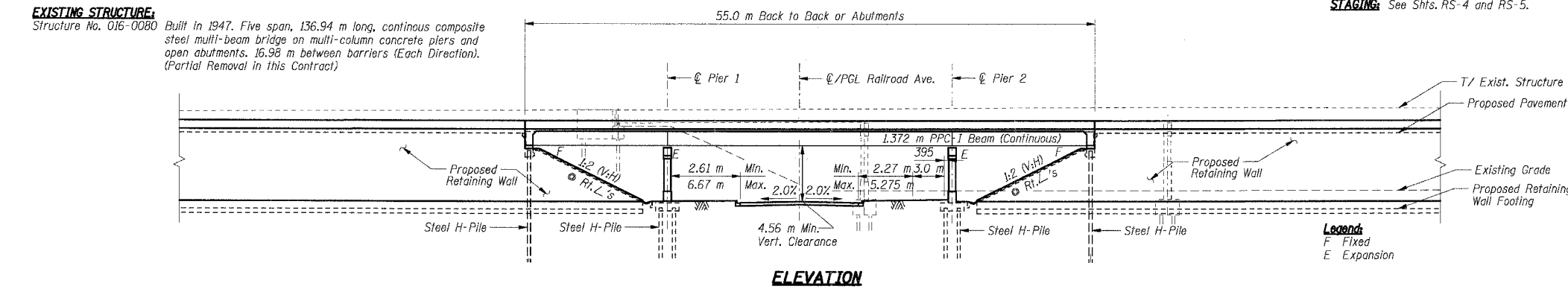
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94		COOK	631	373
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
(2425 & 2626) R-2		CONTRACT NO. 62111		

**DESIGN SPECIFICATIONS:**  
2002 AASHTO Standard Specifications for Highway Bridges.

**DESIGN LOADING:**  
Roadway Live Load: MS-18 & Alt.  
Future Wearing Surface: 2.4 kN/sq. m.

**DESIGN STRESSES:**  
**FIELD UNITS**  
f'c: 24 MPa  
fy: 400 MPa  
**PRECAST PRESTRESSED UNITS:**  
f'c: 41.4 MPa  
f'cl: 34.5 MPa  
f's: 1860 MPa  
f'si: 1390 MPa  
fy: 400 MPa

**SEISMIC DATA:**  
Seismic Performance Category (SPC): A  
Bedrock Acceleration Coefficient (A): 0.04g  
Site Coefficient (S): 1.0

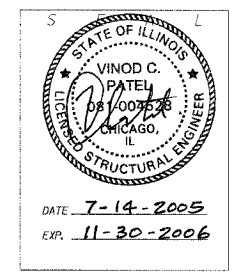


**LOCATION MAP**

**Notes:**  
1. All dimensions are in millimeters (mm) except as noted.  
2. Minimum and maximum dimensions are measured along the back of the abutments perpendicular to I-80/94.  
3. For name plate detail, see Sht. RS-3.

**LEGEND:**

- ⊕ Soil Boring
- W- Existing Water Main (Relocated in previous Contract 62350)
- S- Existing Storm Sewer (See Drainage Plans)
- Existing Catch Basin (See Drainage Plans)
- Existing Drainage Structure (See Drainage Plans)
- P- Proposed Storm Sewer (See Drainage Plans)
- Proposed Drainage Structure (See Drainage Plans)



**APPROVED**  
FOR STRUCTURAL ADEQUACY ONLY

*Ralph E. Anderson (TSP)*  
ENGINEER OF BRIDGES AND STRUCTURES

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 80/94 (KINGERY EXPRESSWAY)  
EB & WB INSIDE LANES (MAINLINE) CONSTRUCTION  
I-80/94 OVER RAILROAD AVENUE  
STRUCTURE NO. 016-2792 STA. 6+025.000  
SECTION 1977-121-R  
COOK COUNTY

SHT. RS-1 OF 70

REVISIONS	
NAME	DATE

**GENERAL PLAN & ELEVATION**

DATE: 7/18/2005  
DRAWN BY: LG  
CHECKED BY: MJK  
**TENG**  
TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
CHICAGO, ILLINOIS

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 RAJZEKJ