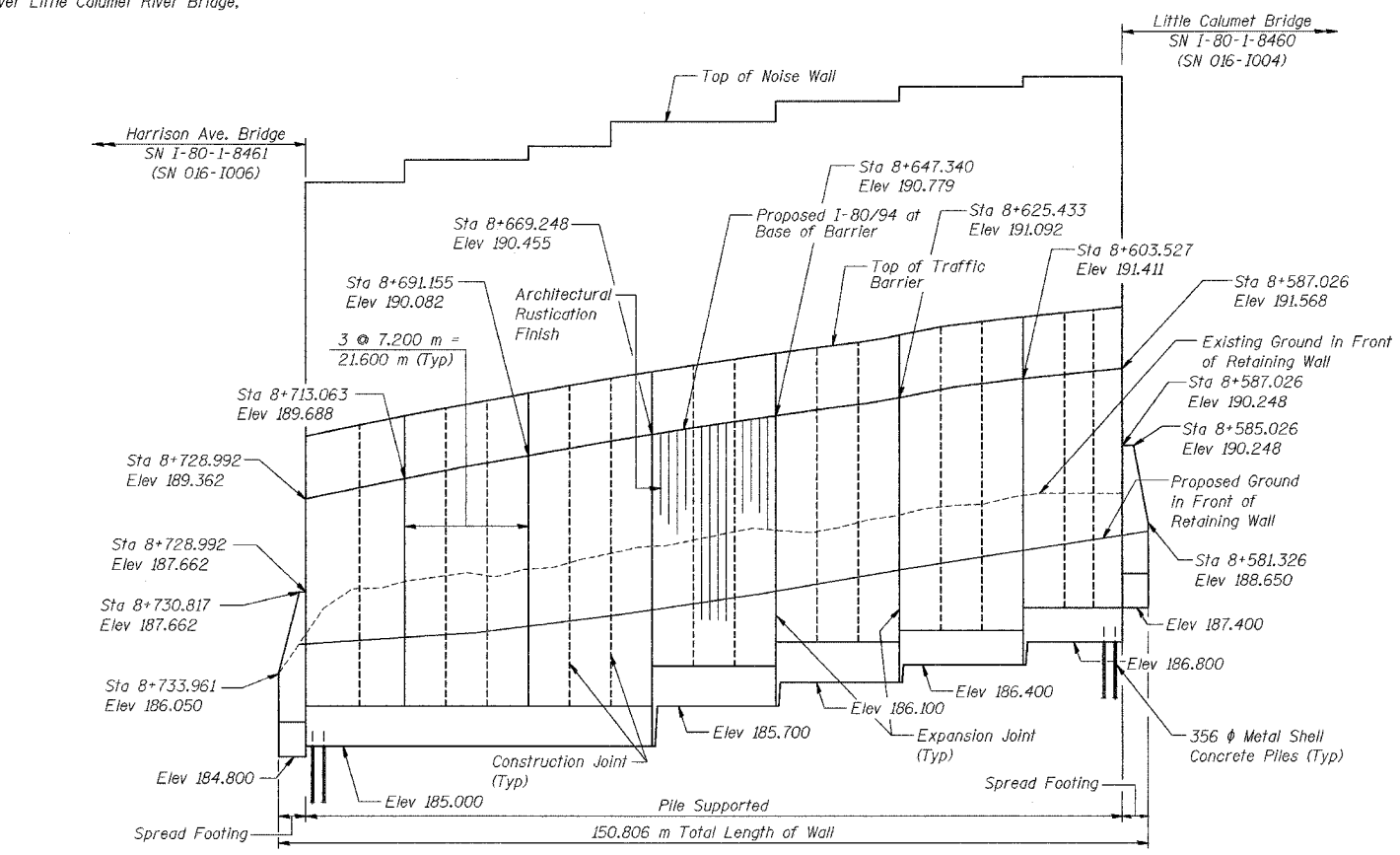


Benchmark: Chiseled box at NE corner of NE wingwall over Little Calumet River Bridge.  
 Westbound I-80 mile marker 0.4.  
 Elevation = 191.619  
 Existing Structure: None  
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	POST MILES	SHEET	SHEET NO. S-1 19 SHEETS
I-80	2626.2-R-2	LAKE COUNTY, INDIANA	1207	898	
CONTRACT NO. 62114		INDOT DES. NO. 0100987			



**CURVE DATA I-80/94**

$\Delta = 20^{\circ}-51'-41''$   
 $R = 1,864.600$  m  
 $T = 343.250$  m  
 $L = 678.899$  m  
 $E = 33.331$  m  
 P.C. Sta = 8+603.684  
 P.I. Sta = 8+946.934  
 P.T. Sta = 9+282.583  
 S.E. = 3.0%

**LOADING**

Wind Load on Noise Wall = 1.7 kPa

**DESIGN STRESSES**

**FIELD UNITS**  
 $f'_c = 24$  MPa  
 $f_y = 400$  MPa (Reinf.)  
 Maximum Applied Soil Bearing Pressure = 55 kPa  
 From Sta 8+729.0 to Sta 8+734.0  
 50 kPa from Sta 8+581.3 to Sta 8+587.1

**DESIGN SPECIFICATIONS**

AASHTO 2002 Standard Specifications for Highway Bridges  
 AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 Interims

**APPROVED**  
 FOR STRUCTURAL ADEQUACY ONLY

*Ralph E. Anderson*  
 ENGINEER OF BRIDGES AND STRUCTURES



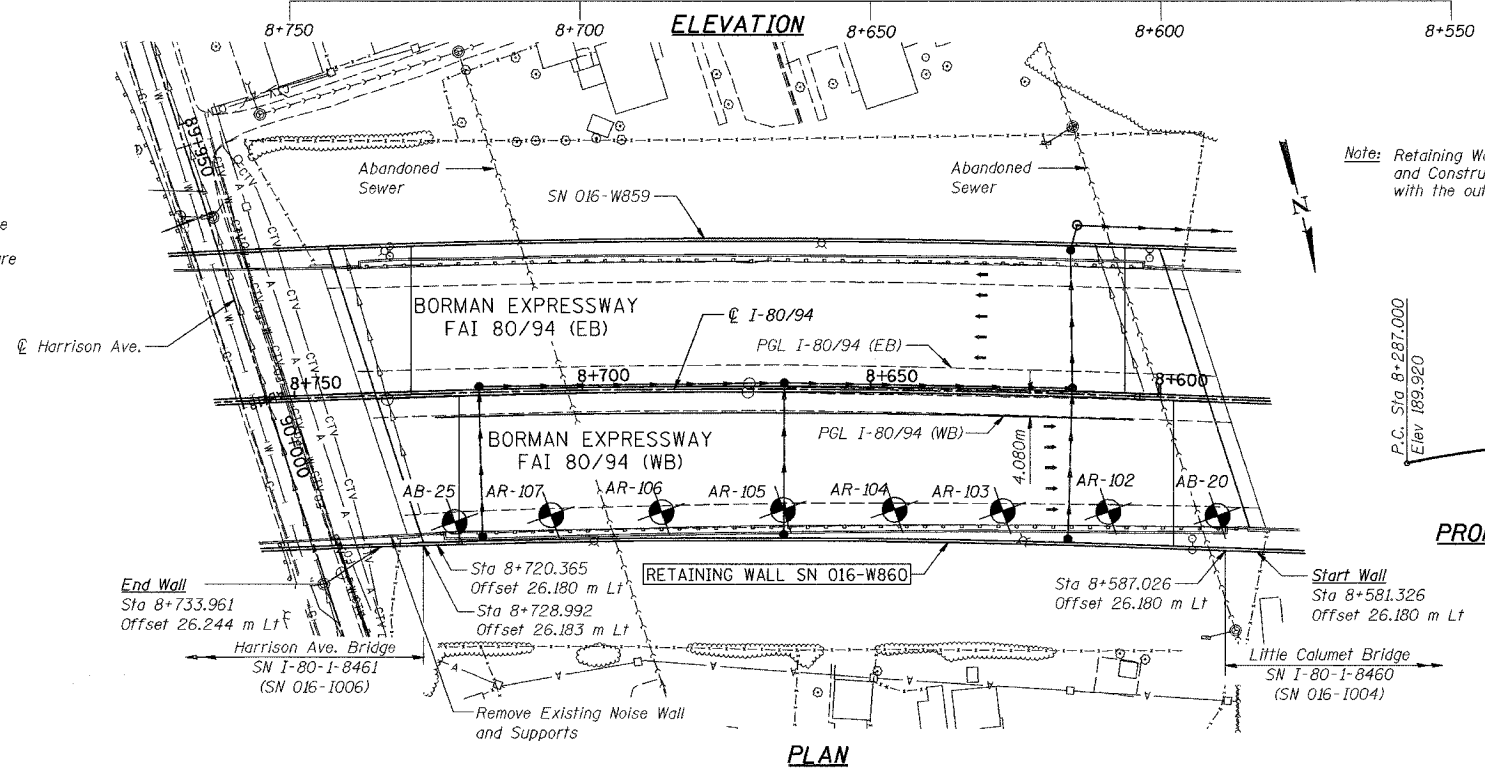
*Gary S. Powell*  
 GARY S. POWELL, S.E.  
 IL. LIC. NO. 081-004771  
 EXP 11-30-2006  
 DATE 09-12-2005



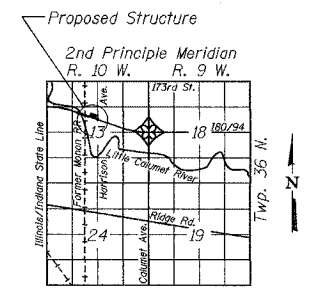
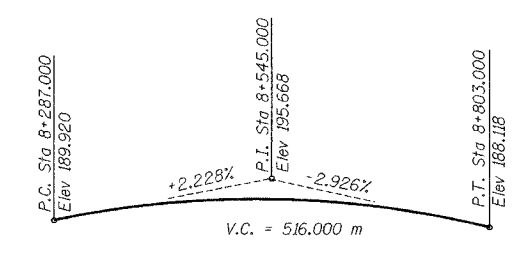
*Gary S. Powell*  
 GARY S. POWELL, P. E.  
 IN. LIC. NO. 10403944  
 EXP 07-31-2006  
 DATE 09-12-2005

- LEGEND**
- ⊙ - Soil Boring Location
  - - - Existing Roadway/Structure
  - Proposed Roadway/Structure
  - ⊙ - Tree
  - Shrubs/Brush
  - Proposed Storm Sewer
  - - - Existing Sanitary Sewer
  - Existing Storm Sewer
  - CTV - Existing Cable TV
  - Existing Gas Line
  - Existing Water Main
  - A - Electrical Aerial Cable

DESIGNED	KFA
CHECKED	BPS
DRAWN	MJB
CHECKED	GSP



Note: Retaining Wall is built in straight line segments between Expansion and Construction Joints. Back Face of the Retaining Wall is aligned with the outside edge of shoulder at joints.



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 I-80/94/US 6  
 KINGERY-BORMAN EXPRESSWAY  
 BURNHAM ROAD TO US 41

**GENERAL PLAN**  
 SECTION 2626.2-R-2  
 LAKE COUNTY, INDIANA  
 STATION 8+581.326 TO STATION 8+733.961  
 STRUCTURE NO. 016-W860  
 DATE 09/05

**AMERICAN**  
 CONSULTING ENGINEERS