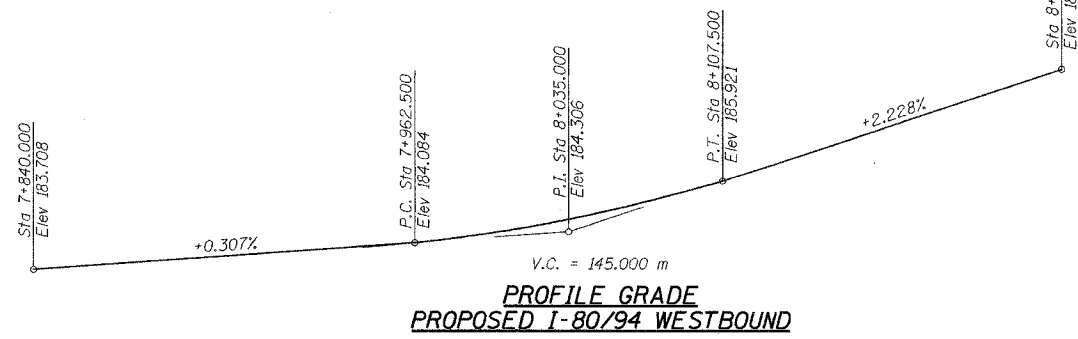
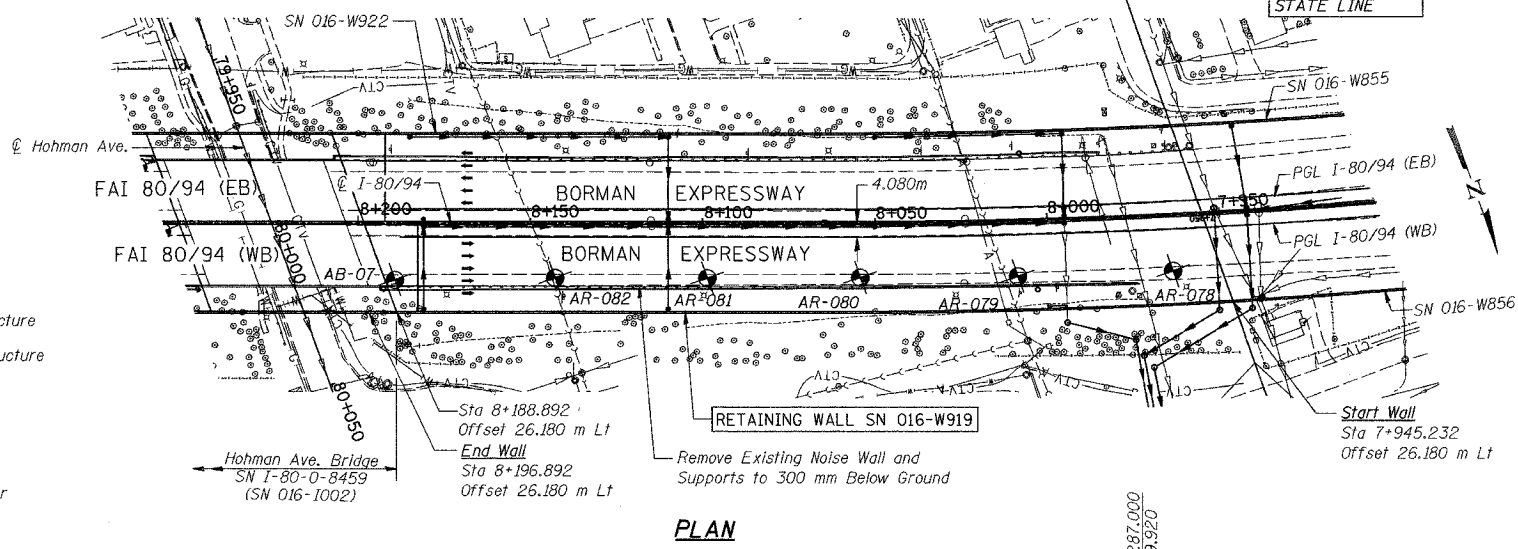
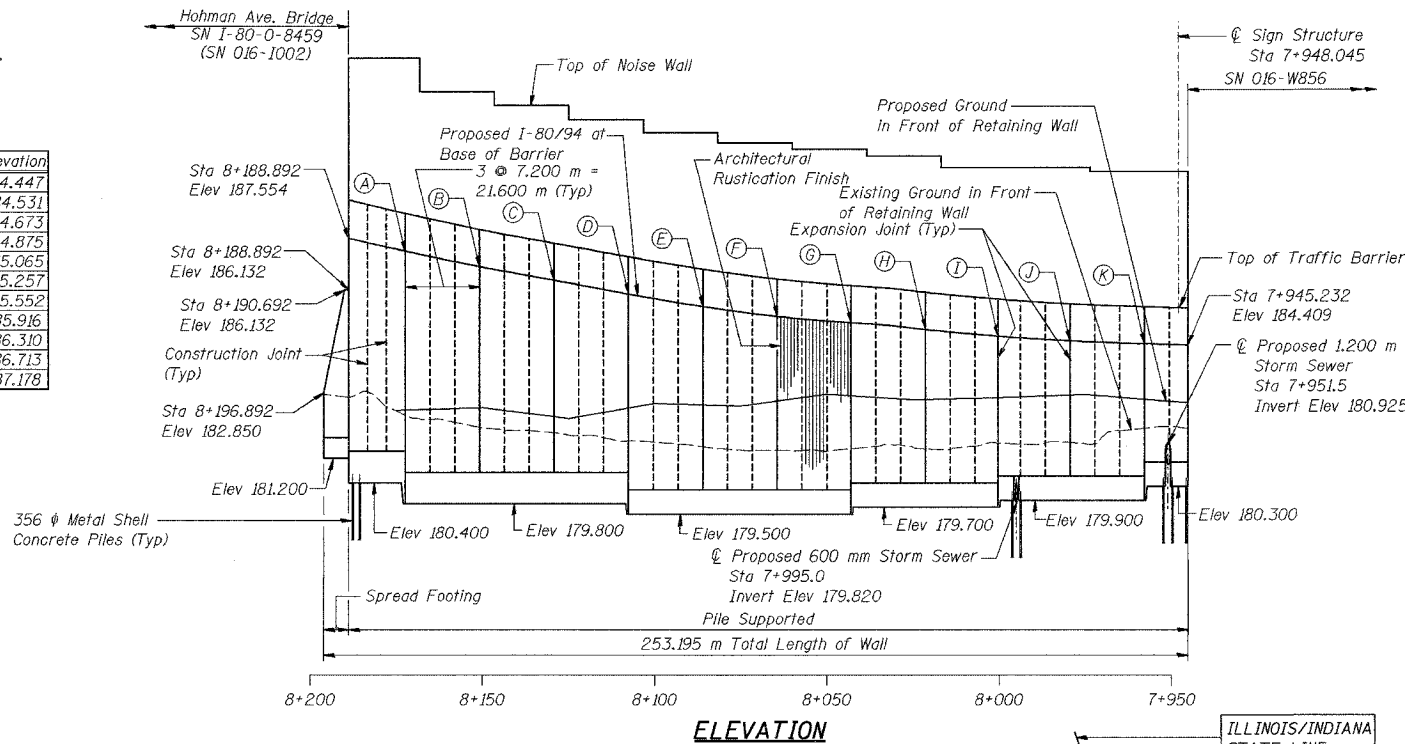


Benchmark: Chiseled box at SW corner of NW wingwall over Little Calumet River Bridge.
Westbound I-80 +/- 70m east of mile marker 0.2.
Elevation = 191.662
Existing Structure: None
All dimensions in millimeters (mm) except as noted.

| Station | Elevation |
|-------------|-----------|
| K 7+957.757 | 184.447 |
| J 7+979.067 | 184.531 |
| I 8+000.377 | 184.673 |
| H 8+021.687 | 184.875 |
| G 8+042.997 | 185.065 |
| F 8+064.391 | 185.257 |
| E 8+085.991 | 185.552 |
| D 8+107.591 | 185.916 |
| C 8+129.191 | 186.310 |
| B 8+150.791 | 186.713 |
| A 8+172.391 | 187.178 |



- 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
 - G - Existing Gas Line
 - W - Existing Water Main
 - A - Electrical Aerial Cable

| | |
|----------|-----|
| DESIGNED | KFA |
| CHECKED | BPS |
| DRAWN | MJB |
| CHECKED | GSP |

| ROUTE NO. | SECTION | COUNTY | SHEETS | SHEET | SHEET NO. S-1 |
|-----------|------------|----------------------|--------|-------|---------------|
| I-80/94 | 2626.2-R-2 | LAKE COUNTY, INDIANA | 1207 | 1043 | 20 SHEETS |

CONTRACT NO. 62114 INDOT DES. NO. 0100987

CURVE DATA I-80/94

Δ = 20°-11'-25"
R = 1,923.600 m
T = 342.476 m
L = 677.849 m
E = 30.249 m
P.C. Sta = 7+380.276
P.I. Sta = 7+722.751
P.T. Sta = 8+058.125
S.E. = 2.9%

LOADING

Wind Load on Noise Wall = 1.7 kPa

DESIGN STRESSES

FIELD UNITS

f'c = 24 MPa
fy = 400 MPa (Reinf.)

Maximum Applied Soil Bearing Pressure = 100 kPa

DESIGN SPECIFICATIONS

AASHTO 2002 Standard Specifications for Highway Bridges

AASHTO 1989 Guide Specifications for Structural Design of Sound Barriers and 1992 Interims



Gary S. Powell
GARY S. POWELL, S.E.
IL. LIC. NO. 081-004771

EXP 11-30-2006

DATE 09-12-2005



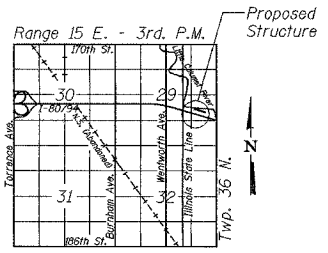
APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

Gary S. Powell
GARY S. POWELL, P. E.
IN. LIC. NO. 10403944

EXP 07-31-2006

DATE 09-12-2005



LOCATION SKETCH

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 7+945.232 TO STATION 8+196.892
STRUCTURE NO. 016-W919
DATE 09/05

