

Benchmark: Chiseled box on Northeast corner of Northeast Wingwall over Little Calumet River
 Bridge Westbound I-80 mile marker 0.4, Elevation = 191.662
 Existing Structure: None
 All dimensions in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET	SHEET NO. S-1
F.A.L. 88-74	2626.2-R-2	LAKE COUNTY, INDIANA	1207	1082	2 SHEETS
ILLINOIS PROJECT					CONTRACT NO. 62114 INDOT DES. NO. 0100987

DESIGN STRESSES

FIELD UNITS
 $f'_c = 24 \text{ MPa}$
 $f_y = 400 \text{ MPa (Reinf.)}$
 Maximum Applied Soil Bearing Pressure = 105 kPa

DESIGN SPECIFICATIONS

AASHTO 2002 Standard Specifications for Highway Bridges

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

CURVE DATA I-80/94

$\Delta = 20^\circ 51' 41''$
 $R = 1,864.600 \text{ m}$
 $T = 343.250 \text{ m}$
 $L = 678.899 \text{ m}$
 $E = 31.331 \text{ m}$
 $P.C. Sta = 8+603.684$
 $P.I. Sta = 8+946.934$
 $P.T. Sta = 9+282.583$
 $S.E. = 3.0 \%$

INDEX OF SHEETS

SHEET NO.	TITLE
S-1	General Plan
S-2	Plan and Elevation

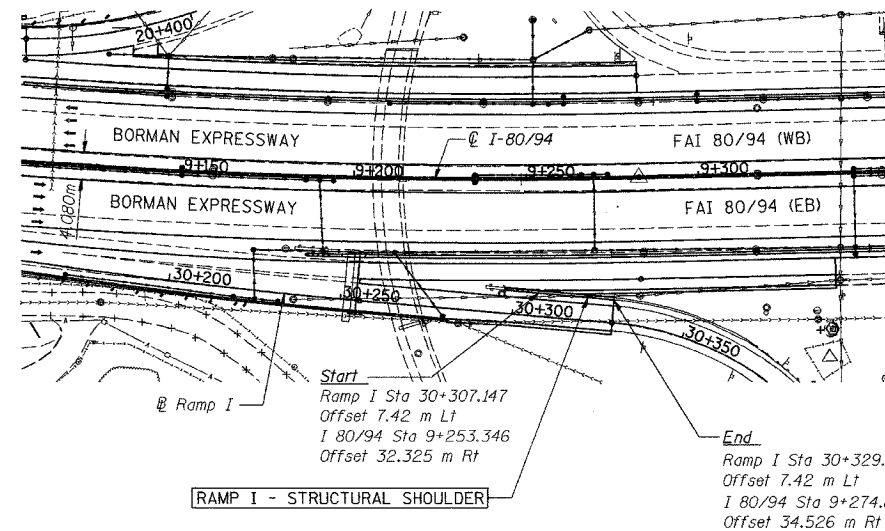
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
(IN) Concrete, A, Substructure	m ³	49.2
(IN) Reinforcing Bars, Epoxy Coated	kg	3,740
(IN) Surface Seal	L Sum	0.01
(IN) Masonry Coating	L Sum	0.01

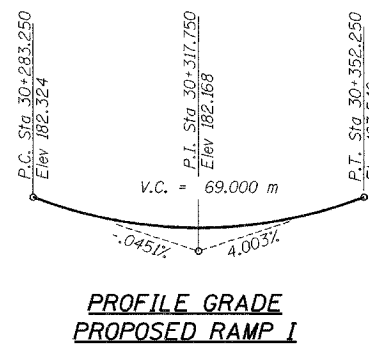
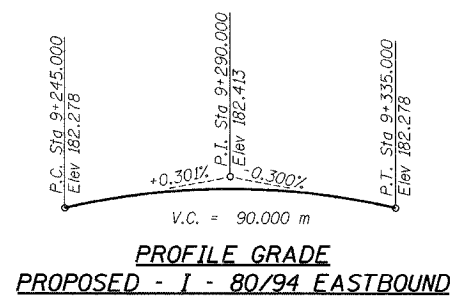
(IN) Indiana Pay Items, denoted by "(Indiana)" in Special Provisions and Summary of Quantities.

LEGEND

- Existing Roadway/Structure
- Proposed Roadway/Structure
- ⊙ Tree
- ~ Shrubs/Brush
- Proposed Storm Sewer
- Existing Sanitary Sewer
- Existing Storm Sewer
- Existing Water Main
- Electrical Aerial Cable
- Existing Gas Line
- Existing Cable TV



PLAN



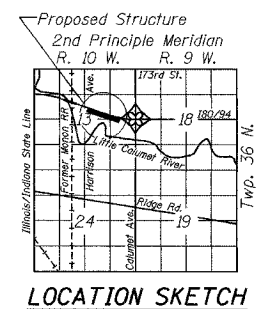
DESIGNED	KFA
CHECKED	BPS
DRAWN	MJB
CHECKED	GSP



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



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
 RAMP I - STRUCTURAL SHOULDER
 STA 9+253.346 TO STA 9+274.830**

DATE 09/05

AMERICAN
 CONSULTING ENGINEERS