

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
IL 113	109BR, N	KANKAKEE COUNTY	58	19
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT-		14 SHEETS
CONTRACT # 66410				

**GENERAL NOTES**

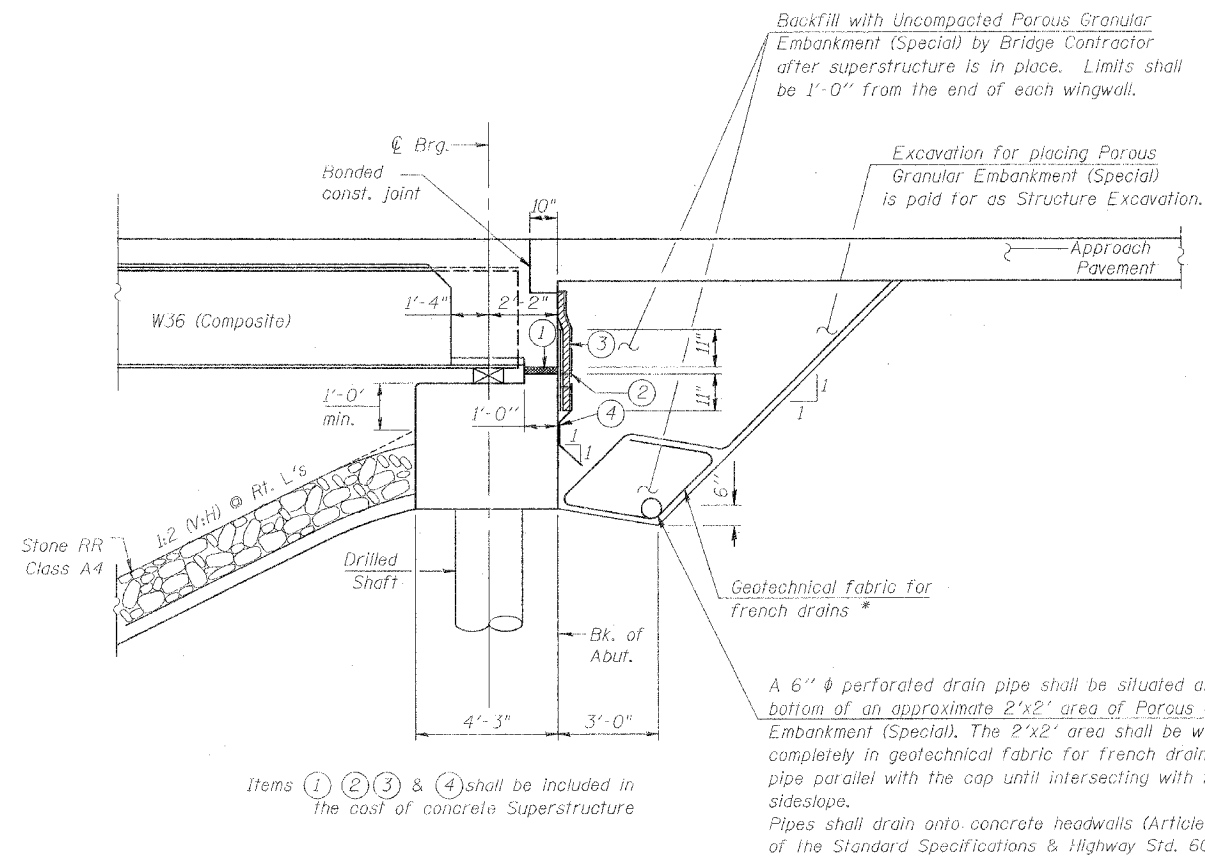
- Fasteners shall be high strength bolts (AASHTO M 164, Type 3 in unpainted areas and mechanically galvanized AASHTO M 164, Type 1 or 2 in painted areas). Bolts 7/8"  $\phi$ , open holes 15/16"  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel = 98,000 lb. (AASHTO M 270 Grade 50W)
- Field welding of construction accessories will not be permitted to beams.
- The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
- Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.
- All construction joints shall be bonded.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number 0304620 which was issued for the permanent construction.
- AASHTO M 270 Grade 50W Structural Steel shall only be painted, at the ends of the beams, for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with an inorganic zinc rich primer per AASHTO M 300, Type I. No field painting shall be required. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- Excavation behind existing abutment walls shall be done before removing the existing superstructure.

**INDEX OF SHEETS**

- General Plan and Elevation
- General Notes, Index of Sheets, Total Bill of Material & Details
- Top of Slab Elevations
- Superstructure
- Superstructure Details
- Diaphragm Details
- Structural Steel
- Bearing Details
- Anchor Bolt Details for Bearings
- Abutment Plan & Elevation
- Abutment Details
- Bar Splicer Details
- Soil Boring Logs (1 of 2)
- Soil Boring Logs (2 of 2)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	125	125
Stone Riprap, Class A4	Sq. Yd.	-	960	960
Filter Fabric	Sq. Yd.	-	1055	1055
Removal of Existing Structures	Each	-	1	1
Structure Excavation	Cu. Yd.	-	210	210
Floor Drains	Each	12	-	12
Concrete Structures	Cu. Yd.	-	53.9	54
Concrete Superstructure	Cu. Yd.	128.7	-	129
Bridge Deck Grooving	Sq. Yd.	319	-	319
Protective Coat	Sq. Yd.	402	-	402
Elastomeric Bearing Assembly, Type I	Each	6	-	6
Furnishing and Erecting Structural Steel	L.S.	1	-	1
Stud Shear Connectors	Each	1206	-	1206
Reinforcement Bars	Pound	-	2161	2161
Reinforcement Bars, Epoxy Coated	Pound	23890	10600	34490
Name Plates	Each	1	-	1
Bar Splicers	Each	66	-	66
Drilled Shaft in Rock, 36"	Foot	-	28	28
Drilled Shaft in Soil, 42"	Foot	-	45	45
Asbestos Bearing Pad Removal	Each	22	-	22



- 2" Preformed Joint Filler (Section 1051 of the standard Specifications) bonded to abutment cap with approved adhesive (full width of cap)
- Fabric Reinforced Elastomeric Mat (See Special Provisions). Fabric mat shall be 24" wide and attached full width to the abutment cap with a 3/8" x 5" steel plate and 1/2"  $\phi$  studs with nuts and washers at 12" cts.
- 2" Preformed Joint Filler (Section 1051 of the standard Specifications) bonded to superstructure (full width of cap)
- Geocomposite wall drain (Section 591 of the Standard Specifications - full width of cap)

Items ① ② ③ & ④ shall be included in the cast of concrete Superstructure

\* Included in the cost of Porous Granular Embankment (Special).

**SECTION THRU SEMI-INTEGRAL ABUTMENT**

(Horiz. dim. @ Rt. L's)

DESIGNED	M.R./R.A.
CHECKED	H.T.
DRAWN	J.S.
CHECKED	H.T./M.R.

GENERAL NOTES, INDEX OF SHEETS,  
TOTAL BILL OF MATERIAL & DETAILS  
IL 113 OVER WILEY CREEK (PUBLIC WATERS)  
FAS ROUTE 1317 (IL 113), SECTION 109BR, N  
KANKAKEE COUNTY  
STATION 260+00.00  
STRUCTURE NO. 046-0137

SCALE: NONE DATE: AUGUST, 2005  
Soodan Soodan & Associates, Inc.  
100 North LaSalle Street, Suite 1800  
Chicago, Illinois 60602