

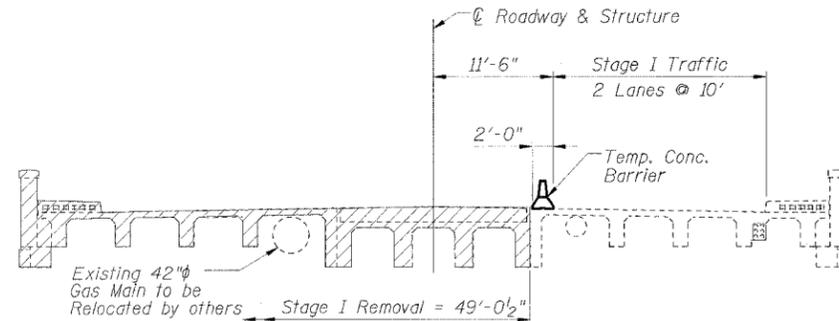
GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
2. Field welding of construction accessories will not be permitted to beams or girders.
3. The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50W.
4. 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 tension flanges and webs.
5. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
6. All structural steel shall be AASHTO M270 Grade 50W.
7. Fasteners shall be high strength bolts AASHTO M164, Type 3 in unpainted areas and mechanically galvanized AASHTO M164, Type 1 or 2 in painted areas. Bolts $\frac{3}{4}$ " ϕ , open holes $\frac{5}{16}$ " ϕ , unless otherwise noted.
8. AASHTO M270 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 M300, Type 1. 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".
9. Exploratory probe information is available at The Illinois Department of Transportation District 1 Office, and will be made available to the Contractor upon written request.
10. Inserts for the proposed electrical conduits will be made available to the Contractor and shall be included in the deck construction. The Contractor shall coordinate this work with ComEd.
11. Calculated weight of structural steel = 341,632 lb
12. All construction joints shall be bonded.

Sheet S2 of S21

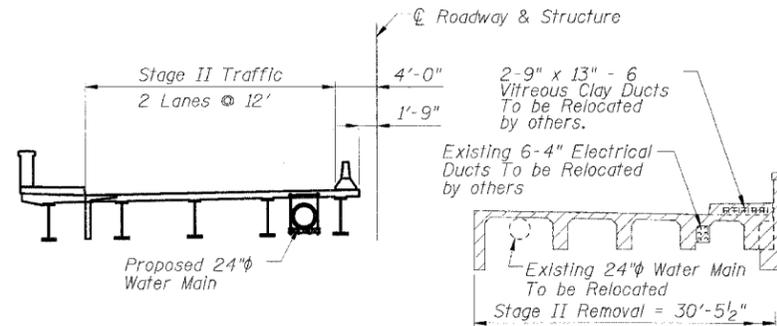
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	57B-31	COOK	62	27
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60440



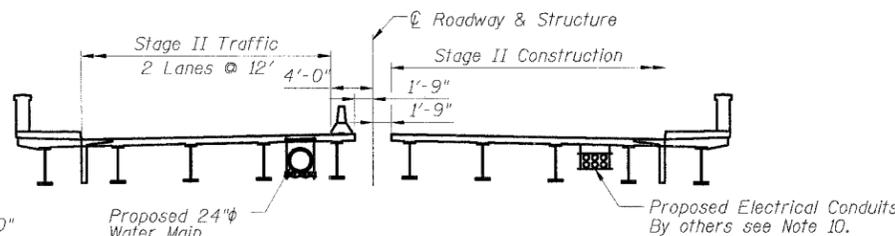
STAGE I REMOVAL

(Looking North)



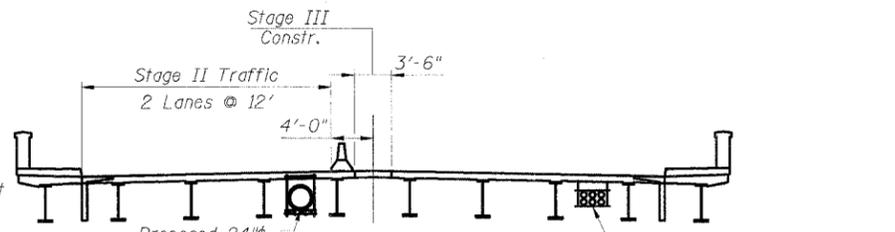
STAGE I CONSTRUCTION & STAGE 2 REMOVAL

(Looking North)



STAGE II CONSTRUCTION

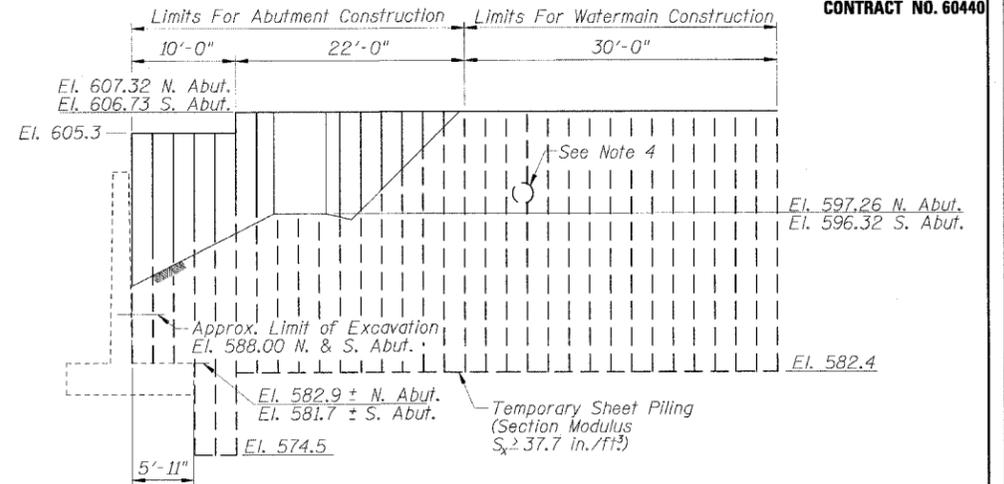
(Looking North)



STAGE III CONSTRUCTION

(Looking North)

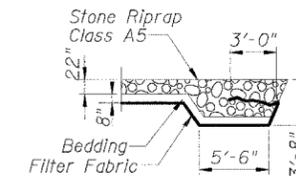
- Note:
1. For quantity of Temporary Concrete Barrier see Roadway Plans



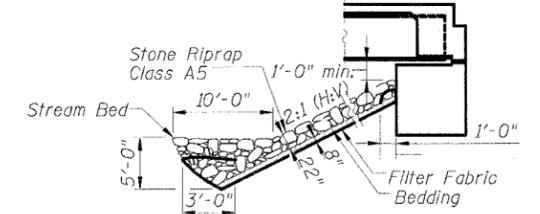
ELEVATION TEMPORARY SHEET PILING

Notes:

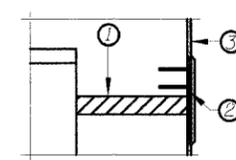
1. To ensure stability of sheets driven to the top of the existing footing, the contractor shall brace as necessary and connect the first sheet to the existing abutment wall. This connection shall be approved by the engineer and the cost included with Temporary Sheet Piling.
2. If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals sealed by a licensed Structural Engineer in Illinois will be expected by the Department for review and approval.
3. Removal and realignment of sheet piling for Stage II is included with Temporary Sheet Piling.
4. The contractor shall cut hole in sheet piling to accommodate watermain installation. Sections of sheet piling under the watermain to remain in place at the conclusion of work. Sheet piling above hole shall be braced as necessary. The bracing shall be approved by the Engineer. All costs for cutting hole and bracing shall be included with the Temporary Sheet Piling item. The contractor shall use extreme care when removing sheet piling adjacent to watermain as to not damage or disturb the watermain pipe.



RIPRAP FLANK DETAIL



STONE RIPRAP ANCHOR DETAIL



DETAIL "A"

1. 2" Preformed Joint Filler (Section 1051 of the Standard Specifications) bonded to abutment cap with approved adhesive (full width of cap)
2. Fabric Reinforced Elastomeric Mat (See Special Provisions). Fabric mat shall be 24" wide and attached full width to the abutment cap with a $\frac{3}{8}$ "x5" steel plate and $\frac{1}{2}$ " ϕ studs with nuts and washers at 12" cts.
3. Geocomposite Wall Drain (Section 591 of the Standard Specifications - full width of cap)

Items 1 & 2 shall be included in the cost of "Concrete Superstructure"

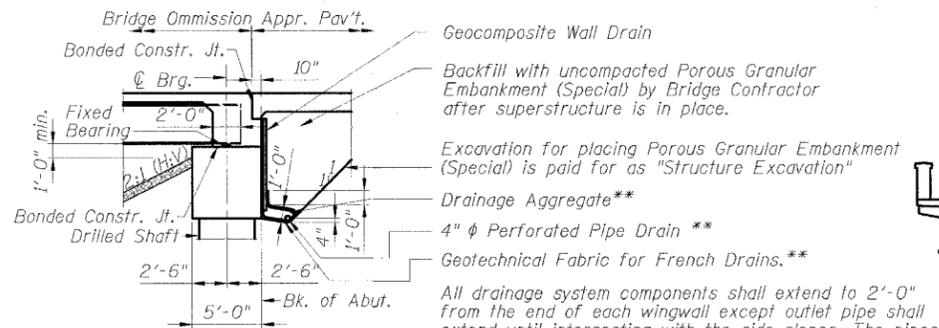
BILL OF MATERIAL

Item	Unit	Quantity
Temporary Sheet Piling	Sq. Ft.	3206
Stone Riprap, Class A5	Sq. Yd.	977
Filter Fabric	Sq. Yd.	1008

REVISIONS	
NAME	DATE

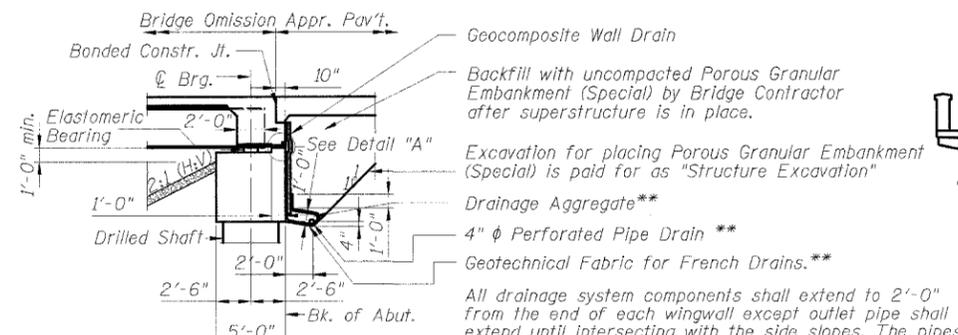
ILLINOIS DEPARTMENT OF TRANSPORTATION
 GENERAL NOTES & STAGING DETAILS
 FAP 350 IL ROUTE 50 (CICERO AVE.) OVER
 NORTH BRANCH OF THE CHICAGO RIVER
 COOK COUNTY STATION 23+65.80
 SECTION 57B-31
 STRUCTURE NO. 016-2782

SCALE: NONE DRAWN BY: M. Belton
 DATE: AUGUST 18, 2006 CHECKED BY: R. Clinton



SEC. AT NORTH ABUTMENT

** Included in the cost of "Pipe Underdrains for Structures"



SEC. AT SOUTH ABUTMENT

** Included in the cost of "Pipe Underdrains for Structures"

PATRICK ENGINEERING INC.
 LISLE, ILLINOIS