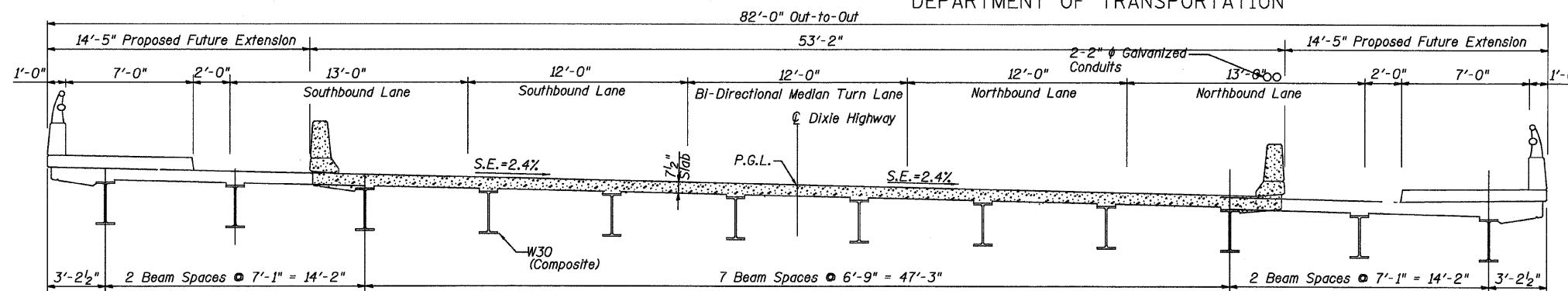


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

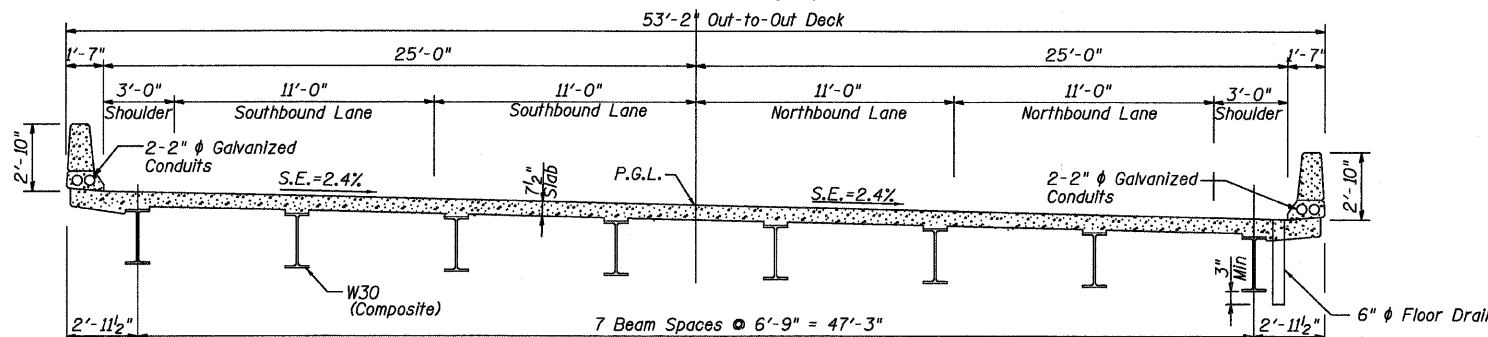
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2843	3249B-F	COOK	22	4

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT-
Sheet 2 of 22 Contract No. 60119



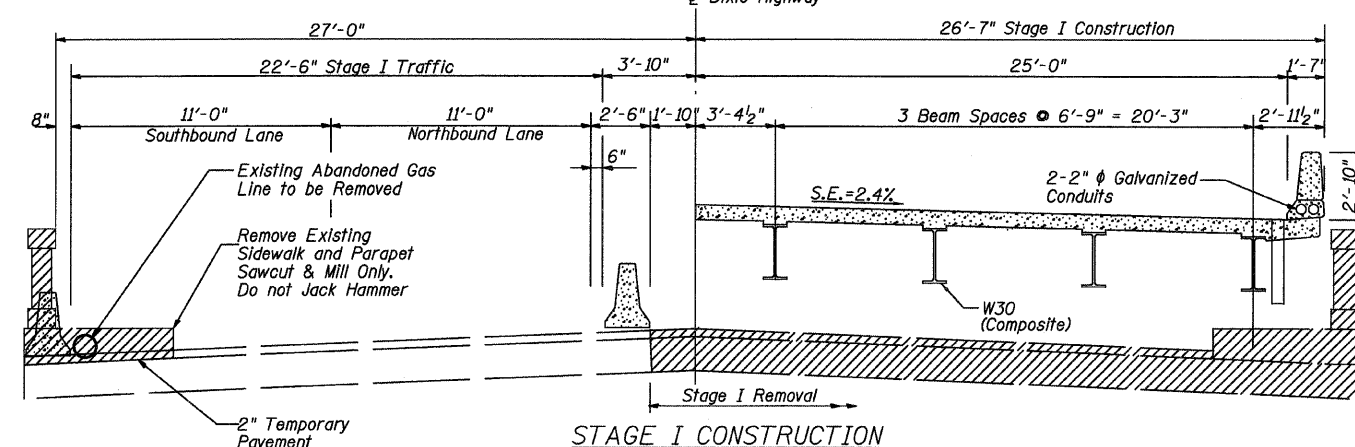
PROPOSED FUTURE BRIDGE SECTION

Looking North
Dixie Highway



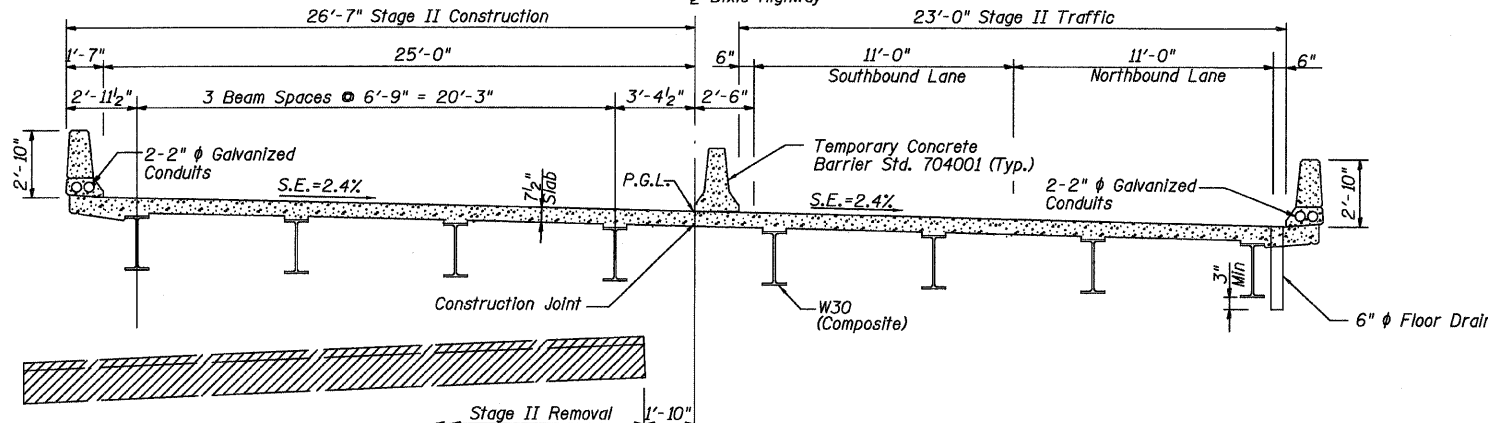
TYPICAL BRIDGE SECTION

Looking North
Dixie Highway



STAGE I CONSTRUCTION

Looking North
Dixie Highway



STAGE II CONSTRUCTION

Looking North

INDEX OF SHEETS

1. General Plan, Elevation & Bill of Material
- * 2. Construction Staging & General Notes
- * 3. Footing Layout, Sheet Pile Elevation & Rip-Rap Detail
- * 4. Top of Deck Elevations
- * 5. Top of Deck Elevations
- * 6. Top of Deck Elevations
- * 7. Deck Plan And Cross Section
- * 8. Diaphragm Elevation, Sections & Drain Detail
- * 9. Parapet Elevation
- * 10. Deck Details & Bill of Material
11. Framing Plan And Beam Elevation
12. Steel Details & Top of Beam Elevations
13. Bearing Details
- * 14. South Abutment
- * 15. North Abutment
- * 16. South Pier
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- * * 18. Bar Splicer Assembly Details
- * * 19. Anchor Bolt Details For Bearings
- * * 20. Temporary Concrete Barrier For Stage Construction
- * 21. Soil Borings
- * 22. Soil Borings

* This work is not included in this fabrication contract and is provided for information only.

* * This work is not included in this fabrication contract and sheet is not included in these plans.

These plans are for the fabrication of the structural steel. All work shown that is not related to the fabrication is for information only. It is not included in this contract, and is identified as "Not Included in This Contract" or "For Information Only".

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts 7/8" ϕ , open holes 15/16" ϕ , unless otherwise noted.
2. Calculated weight of structural steel = 14,100 lbs. M 270 Grade 50, 25,000 lbs. M 270 Grade 36.
3. All structural steel shall be AASHTO M270 grade 50. Steel H-Piles shall be according to AASHTO M270 Grade 50.
4. Field welding of construction accessories will not be permitted to beams.
- * 5. Anchor bolts shall be set before bolting diaphragms over supports.
6. 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 and all splice plate material except fill plates.
- * 7. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- * 8. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8 in. adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- * 9. The contractor shall drive HP12x74 test piles in a permanent location at piers and HP12x74 test piles in a permanent location at abutments as directed by the Engineer before ordering the remainder of piles.
- * * 10. Excavation behind existing abutment walls shall be done before removing the existing superstructure. The Contractor shall sawcut the existing abutments at the stage removal line before Stage I removal.
11. The inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell No. 5b 7/L. See special provisions for "Cleaning and Painting New Metal Structures".
- * 12. All construction joints shall be bonded.
- * 13. The contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- * 14. Concrete sealer shall be applied to the designated areas of the piers and Abutments.
- * 15. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See special provisions.
- * 16. Reinforcement bars designated (E) shall be epoxy coated.
- * 17. Slipforming of parapets is not allowed.
18. Field painting of structural steel shall be done under a separate contract.

REVISIONS	
NAME	DATE

CONSTRUCTION STAGING & GENERAL NOTES

DIXIE HIGHWAY OVER
BUTTERFIELD CREEK
F.A.U. ROUTE 2843 SECTION 3249B-F
STA. 78+55.00
COOK COUNTY
STRUCTURE NUMBER 016-7946 - PROPOSED
016-0775 - EXISTING

SCALE: NOT-TO-SCALE
DATE 4-27-09

DRAWN BY TH
DESIGNED BY TH
CHECKED BY MF



FOR INFORMATION ONLY