

GENERAL NOTES

THESE PLANS ARE FOR THE FABRICATION OF THE STRUCTURAL STEEL AND BEARINGS. ALL WORK SHOWN THAT IS NOT RELATED TO THE FABRICATION IS FOR INFORMATION ONLY. IT IS NOT INCLUDED IN THIS CONTRACT, AND IS IDENTIFIED AT "NOT IN CONTRACT".

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel =
Grade 50 = 3,572,300 lbs.
Grade 36 = 180,150 lbs.
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.
- ** 5. Reinforcement bars designated (E) shall be epoxy coated.
- ** 6. If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
7. Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- ** 8. Concrete Sealer shall be applied to all exposed surfaces of the abutments.
- ** 9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
10. 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 interior steel surface shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown Munsell No. 2.5 YR 3/4. The final finish coat shall be field painted. See Special Provisions for "Cleaning and Painting New Metal Structures."
- ** 11. 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.
12. The Contractor is alerted that camber and dead load deflection values shown on the drawings were developed based on the deck pouring sequence shown in the Contract Drawings. Any deviation from the pouring sequence may require changes to camber and elevations that reflect dead load deflections. If the Contractor wishes to vary from the sequence shown on the plans, then proposed plan revisions and design calculations shall be submitted to the Engineer for review and approval. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer.
- ** 13. Slip forming of the parapets is not allowed.

**** THIS WORK IS NOT INCLUDED IN THIS FABRICATION CONTRACT AND IS PROVIDED FOR INFORMATION ONLY**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

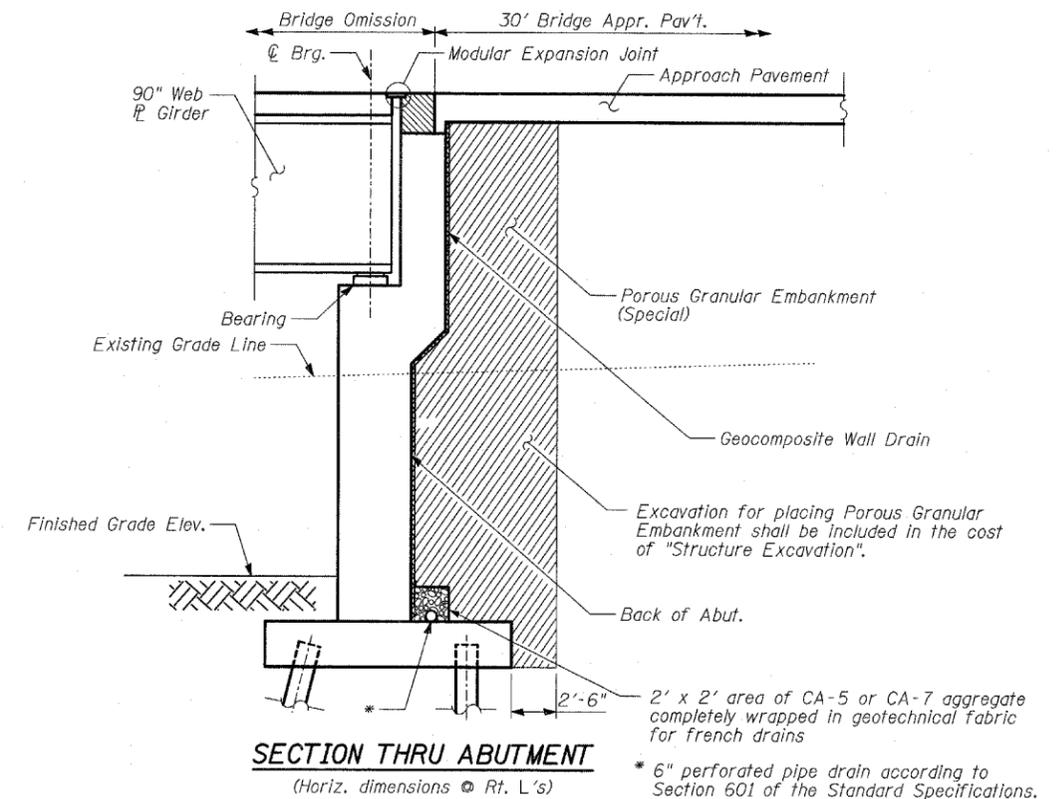
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|---------------------|---------|--------------|------------------|------------------|-----------------|
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | SHEET NO. - S-3 |
| 346 | * | LAKE | 23 | 4 | S-66 SHEETS |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | | |
| | | * 125X-HB-1F | | CONTRACT * 60E33 | |

INDEX OF SHEETS

- *** S-1 OVERALL GENERAL PLAN
- S-2 BRIDGE GENERAL PLAN & ELEVATION, STA 533+64.76
- S-3 GENERAL NOTES, INDEX OF SHEETS AND BILL OF MATERIAL
- S-4 STAGE CONSTRUCTION I
- *** S-5 STAGE CONSTRUCTION & TEMPORARY SOIL RETENTION SYSTEM
- *** S-6 TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
- S-7 TOP OF SLAB ELEVATIONS LAYOUT
- S-8 TOP OF SLAB ELEVATIONS (1 OF 7)
- S-9 TOP OF SLAB ELEVATIONS (2 OF 7)
- S-10 TOP OF SLAB ELEVATIONS (3 OF 7)
- S-11 TOP OF SLAB ELEVATIONS (4 OF 7)
- S-12 TOP OF SLAB ELEVATIONS (5 OF 7)
- S-13 TOP OF SLAB ELEVATIONS (6 OF 7)
- S-14 TOP OF SLAB ELEVATIONS (7 OF 7)
- *** S-15 TOP OF NORTH APPROACH SLAB ELEVATIONS
- *** S-16 TOP OF SOUTH APPROACH SLAB ELEVATIONS
- *** S-17 SUPERSTRUCTURE SPAN 1
- *** S-18 SUPERSTRUCTURE SPAN 2
- *** S-19 SUPERSTRUCTURE SPAN 3
- S-20 SUPERSTRUCTURE DETAILS I
- *** S-21 SUPERSTRUCTURE DETAILS II
- *** S-22 SUPERSTRUCTURE DETAILS III
- *** S-23 SUPERSTRUCTURE DETAILS IV
- S-23A SUPERSTRUCTURE DETAILS V
- *** S-24 DRAINAGE SCUPPER, DS-II
- S-25 MODULAR EXPANSION JOINT DETAILS
- *** S-26 PREFORMED JOINT STRIP SEAL
- *** S-27 DRAINAGE SYSTEM DETAILS
- *** S-28 BAR SPlicer (ASSEMBLY) DETAILS
- S-29 FRAMING PLAN
- S-30 GIRDER ELEVATION
- S-31 FRAMING DETAILS I
- S-32 FRAMING DETAILS II
- S-33 FRAMING DETAILS III
- S-34 FIXED BEARING
- S-35 FLOATING BEARINGS
- *** S-36 METAL SHELL PILES
- *** S-37 NORTH ABUTMENT
- *** S-38 NORTH ABUTMENT DETAILS
- *** S-39 NORTH ABUTMENT DETAILS
- *** S-40 SOUTH ABUTMENT
- *** S-41 SOUTH ABUTMENT DETAILS
- *** S-42 SOUTH ABUTMENT DETAILS
- *** S-43 PIER 1
- *** S-44 PIER 1 DETAILS
- *** S-45 PIER 2
- *** S-46 PIER 2 DETAILS
- *** S-47 NORTH BRIDGE APPROACH PAVEMENT (1 OF 2)
- *** S-48 NORTH BRIDGE APPROACH PAVEMENT (2 OF 2)
- *** S-49 SOUTH BRIDGE APPROACH PAVEMENT (1 OF 2)
- *** S-50 SOUTH BRIDGE APPROACH PAVEMENT (2 OF 2)
- *** S-51 BORING LOG B-1 (1 OF 2)
- *** S-52 BORING LOG B-1 (2 OF 2)
- *** S-53 BORING LOG B-2 (1 OF 2)
- *** S-54 BORING LOG B-2 (2 OF 2)
- *** S-55 BORING LOG B-3 (1 OF 2)
- *** S-56 BORING LOG B-3 (2 OF 2)
- *** S-57 BORING LOG B-4 (1 OF 2)
- *** S-58 BORING LOG B-4 (2 OF 2)
- *** S-59 BORING LOG B-5 (1 OF 2)
- *** S-60 BORING LOG B-5 (2 OF 2)
- *** S-61 BORING LOG B-6 (1 OF 2)
- *** S-62 BORING LOG B-6 (2 OF 2)
- *** S-63 BORING LOG B-7 (1 OF 2)
- *** S-64 BORING LOG B-7 (2 OF 2)
- *** S-65 BORING LOG B-8 (1 OF 2)
- *** S-66 BORING LOG B-8 (2 OF 2)

TOTAL BILL OF MATERIAL

| Item | Unit | Super. | Sub. | Total |
|--|--------|--------|------|-------|
| FURNISHING STRUCTURAL STEEL | L. SUM | 1 | - | 1 |
| FURNISHING MODULAR EXPANSION JOINT 6" | FOOT | 94 | - | 94 |
| FURNISHING HLMR BEARINGS, GUIDED EXPANSION, 250 KIPS | EACH | 20 | - | 20 |
| FURNISHING HLMR BEARINGS, GUIDED EXPANSION, 850 KIPS | EACH | 10 | - | 10 |
| STORAGE OF STRUCTURAL STEEL | CAL DA | 60 | - | 60 |
| STORAGE OF MODULAR EXPANSION JOINT | CAL DA | 75 | - | 75 |
| STORAGE OF HLMR BEARINGS | CAL DA | 60 | - | 60 |



SECTION THRU ABUTMENT

(Horiz. dimensions @ Rt. L's)

"NOT IN CONTRACT"

***** THIS WORK IS NOT INCLUDED IN THIS FABRICATION CONTRACT AND SHEET IS NOT INCLUDED IN THESE PLANS**

TYLINTERNATIONAL

| | |
|----------|-------|
| DESIGNED | - SP |
| CHECKED | - AD |
| DRAWN | - MAF |
| CHECKED | - AD |

GENERAL NOTES, INDEX OF SHEETS & BILL OF MATERIAL

FAP 346 (U.S. ROUTE 41 - SKOKIE HIGHWAY) OVER ILLINOIS ROUTE 132
SECTION 125X-HB-(1&2)R-1
LAKE COUNTY
S.N. 049-0209