CONTRACT NO. 66600

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	50-5HBK-2	LASALLE	331	130
STA. 105+00	TO STA. 136+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. S2 OF S22

GENERAL NOTES:

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8" ϕ, open holes 15/16" ϕ, unless otherwise noted.
2. Calculated weight of Structural Steel = 315,000 lb. Gr. 50; 24000 lb. Gr. 36
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. Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually finished based upon the unit price bid for the work.
7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearing.
8. 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 the piles.
9. 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 surfaces shall be gray, Munsell No. 5B 7/1. The color for the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8. See special provisions for Cleaning and Painting New Metal Structures.
10. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
11. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the engineer.
12. Concrete Sealer shall be applied to the designated areas of the Pier.

TOTAL BILL OF MATERIAL (BRIDGE)

ITEM	UNIT	SUPERSTRUCTURE QUANTITY	SUBSTRUCTURE QUANTITY		TOTAL QUANTITY
			PIER	ABUTMENTS	
Porous Granular Embankment (Special)	Cu Yd			375	375
Removal of Existing Structures	Each				1
Geocomposite Wall Drain	Sq Ft			1,020	1,020
Structure Excavation	Cu Yd		100	685	785
Concrete Structures	Cu Yd		116	56	172
Concrete Superstructure	Cu Yd	412			412
Bridge Deck Grooving	Sq Yd	1,267			1,267
Anchor Bolts, 1"	Each			32	32
Anchor Bolts, 1 1/4"	Each		16		16
Protective Coat	Sq Yd	1,496			1,496
Furnishing and Erecting Structural Steel	L Sum	1			1
Stud Shear Connectors	Each	9,920			9,920
Reinforcement Bars, Epoxy Coated	Pound	103,310	19,020	9,660	131,990
Slopewall, 4"	Sq Yd			492	492
Name Plates	Each		1		1
Furnishing Steel Piles HP10x42	Ft		1,058	696	1,754
Driving Piles	Ft		1,058	696	1,754
Test Pile Steel HP10x42	Each		1	2	3
Concrete Box Culverts	Cu Yd				0
Temporary Soil Retention System	Sq Ft			160	160
Bar Splicers	Each	900	34	38	972
Protective Shield	Sq Yd	537			537
Pipe Underdrains for Structures, 4"	Ft			164	164
Concrete Sealer	Sq Ft		1,875		1,875

INDEX OF STRUCTURAL DRAWINGS

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S1	GENERAL PLAN AND ELEVATION
S2	GENERAL NOTES AND BILL OF MATERIAL
S3	CONSTRUCTION STAGING I
S4	CONSTRUCTION STAGING II
S5	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
S6	TOP OF SLAB ELEVATIONS I
S7	TOP OF SLAB ELEVATIONS II
S8	TOP OF APPROACH SLAB ELEVATIONS
S9	DECK AND MEDIAN PLAN
S10	DECK CROSS SECTION
S11	PARAPET AND MEDIAN REINFORCEMENT
S11a	CONCRETE PARAPET SLIPFORMING
S12	INTEGRAL ABUTMENT DIAPHRAGM DETAIL
S13	BAR SPLICER ASSEMBLY DETAILS
S14	FRAMING PLAN AND GIRDER ELEVATION
S15	STEEL DETAILS
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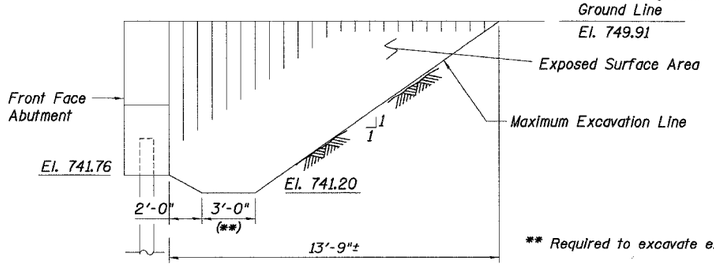
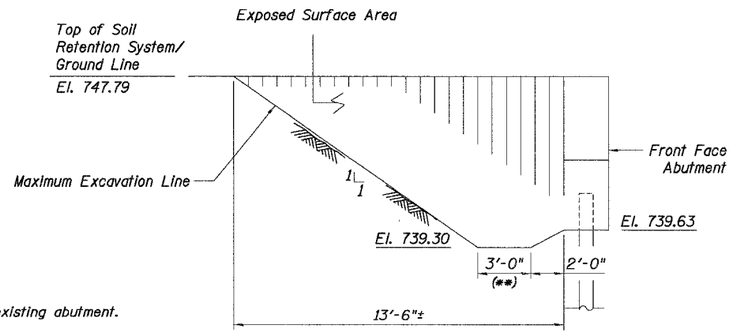
S18a	STEEL H-PILES
S19	PIER
S20	SOIL BORING LOGS I
S21	SOIL BORING LOGS II
S22	SOIL BORING LOGS III

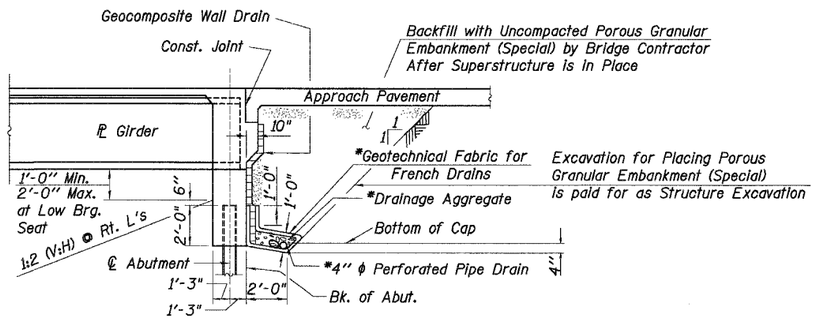


** Required to excavate existing abutment.

NORTH ABUTMENT



SOUTH ABUTMENT



SECTION THRU INTEGRAL ABUTMENT

TEMPORARY SOIL RETENTION SYSTEM DETAILS

Notes: The top elevation and length shown for the temporary soil retention system is estimated.

Hard driving may be encountered during any sheet piling installation. The contractor shall provide the appropriate driving equipment for the soil conditions indicated on the boring logs.

Payment for Temporary Soil Retention System is based upon the exposed surface area quantity only.

* Included in the cost of Pipe Underdrains for Structures.

Note: All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

REVISIONS	
NAME	DATE

Baker Engineering, Inc.

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEN. NOTES & BILL OF MATERIAL

MARSEILLES ROAD (FAS Rt. 268)
OVER I-80 (F.A.I. ROUTE 80)
STRUCTURE NUMBER 050-0245

LA SALLE COUNTY SECTION 50-5HBK-2
STATION 120+00.08
DATE: 11/16/07
DESIGNED: JT DRAWN: RL
CHECKED: KZ CHECKED: JD

h:\107496\3.0 deliverables\3.3 structure\Drawings\Final\GEN Notes & Bill of Material.dgn
11/16/2007