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 ³₄ " φ , open holes ¹⁵₁₆ " φ , unless otherwise noted.
- 2. Field welding of construction accessories will not be permitted to beams or girders.
- 3. 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.
- 4. Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- 5. The structural steel bearing plates of the fixed bearings at integral abutments shall conform to the requirements of AASHTO M270 Grade 50W.
- 6. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- 7. The contractor shall drive two HP12x53 test piles in permanent locations, one at each abutment as directed by the Engineer before ordering the remainder of piles.
- 8. All construction joints shall be bonded.
- 9. All structural steel shall be AASHTO M 270 Grade 50W. CALCULATED WEIGHT OF STRUCTURAL STEEL = G4,000 Pounds,
- 10. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 'b' inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 'b'' adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- 11. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 12. 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 the 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".



DESIGNED	Ruben V. Boehler
CHECKED	Tim S. Howard
DRAWN	Tim S. Howard
	Michael D. Cummins

ROUTE NO.	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
FAS 622	04-00077 -01-BR	SANG	AMON	22	7
		ILLINOIS	PROJECT		

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TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		181	181
Riprap, Special	Ton		380	380
Removal of Existing Structures No. 1	Each	1		1
Structure Excavation	Cu. Yd.		220	220
Concrete Structures	Cu. Yd.		36.4	36.4
Concrete Superstructure	Cu. Yd.	106		.106
Bridge Deck Grooving	Sq. Yd.	310		310
Protective Coat	Sq. Yd.	325		325
Furnishing and Erecting Structural Steel	L, SUM	1		1
Stud Shear Connectors	Each	1278		1278
Reinforcement Bars, Epoxy Coated	Pound	19720	4680	24400
Furnishing Steel Piles HP12x53	Foot		1100	1100
Driving Steel Piles	Foot		1100	1100
Test Pile Steel HP12x53	Each		2	2
Name Plates	Each	1		1
Bar Splicers	Each	82		82
Steel Bridge Rail, Type SM	Foot	146		146
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*See Special Provisions

