

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
	*	Fulton	21	2
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES - SEC. 07-0017-03-BR

X031-2A

CODE	DESCRIPTION	UNIT	TOTAL QUANTITIES
20200100	Earth Excavation	Cu. Yd.	85
21101615	Top Soil Furnish & Place, 4"	Sq. Yd.	415
25000200	Seeding, Class 2	Acre	0.09
25000400	Nitrogen Fertilizer Nutrient	Pound	10
25000500	Phosphorus Fertilizer Nutrient	Pound	10
25000600	Potassium Fertilizer Nutrient	Pound	10
25100115	Mulch, Method 2	Acre	0.09
28000255	Temporary Erosion Control Seeding	Acre	0.09
28000400	Perimeter Erosion Barrier	Foot	251
31100300	Sub-base Granular Material, Type A 4"	Sq. Yd.	144
42001165	Bridge Approach Pavement	Sq. Yd.	160
42001430	Bridge Approach Pavement Connector (Flexible)	Sq. Yd.	32
44000100	Pavement Removal	Sq. Yd.	192
48101200	Aggregate Shoulders, Type B	Tons	16
50101600	Removal of Existing Superstructures	L. Sum	1
50102400	Concrete Removal	Cu. Yd.	4
50104000	Bridge Rail Removal	Foot	229
50200100	Structure Excavation	Cu. Yd.	12
50300225	Concrete Structures	Cu. Yd.	2.7
50300255	Concrete Superstructures	Cu. Yd.	83.4
50300260	Bridge Deck Grooving	Sq. Yd.	525
50300300	Protective Coat	Sq. Yd.	525
50500105	Furnishing & Erecting Structural Steel	L. Sum	1
50600300	Cleaning and Painting Steel Bridge	L. Sum	1
50800205	Reinforcement Bars, Epoxy Coated	Pound	27090
50800515	Bar Splicers	Each	56
50901050	Steel Rolling, Type SM	Foot	229
51500100	Name Plates	Each	1
59300100	Controlled Low-Strength Material, Mix 2	Cu. Yd.	12
63000000	Steel Plate Beam Guardrail, Type A	Foot	983
63100075	Traffic Barrier Terminal, Type 5A	Each	4
LR631020	Traffic Barrier Terminal, Type I	Each	6
63200310	Guardrail Removal	Foot	234
63300725	Steel Plate Beam Guardrail (Short Radius)	Foot	24
67100100	Mobilization	L. Sum	1
70101800	Traffic Control and Protection (Special)	L. Sum	1
70300320	Pavement Marking Tape, Type I 4"	Foot	610

SEE SPECIAL PROVISIONS

SPECIALTY ITEMS

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type I, mechanically galvanized Bolts. Bolts 1/8" dia. holes 15/16" dia., unless otherwise noted. Drill holes in existing steel with magnetic drills. Torch cutting holes is prohibited.
- Calculated weight of Structural Steel = 56,900 lbs.
- All new structural steel shall be AASHTO M 270 Grade 50.
- No field welding is permitted.
- Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60 (IL Modified). See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimension and details affecting new construction and make necessary approved 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 furnished based upon the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevation within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flanges of the fascia beams shall be Gray, Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number as shown in the contract plans.
- All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

GENERAL NOTES-CONTINUED

- The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.
- The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
- 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- All embedded and separate bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M11 or M232 (as applicable).
- H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50.
- Portions of the guardrail near the bridge shall be adjusted to connect the end of the Type SM Bridge Railing.

UTILITIES

Call J.U.L.I.E. 1-800-892-0123
The Contractor shall coordinate the relocation of any utilities with the utility company where they conflict with the proposed improvements.

DSGN K.J. Hoffmann					
DR K.J. Hoffmann					
CHK J.R. Wolf					
APVD J.A. Fraenhoffer	NO.	DATE	REVISION	BY	APVD

FRAUENHOFER

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SUMMARY OF QUANTITIES

FAS 1384 (COUNTY HIGHWAY 27)
SECTION 07-0017-03-BR
FULTON COUNTY

SHEET	2
DWG NO.	7022-sum.dgn
DATE	OCT 2007
PROJ NO.	7022