

ROUTE NO.	SECTION	COUNTY	SHEET	PAGE
FAS 447	#	Fulton	43	2
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES - SEC. 08-00121-01-BR

CODE	DESCRIPTION	UNIT	QUANTITY
20200100	Earth Excavation	Cu. Yd.	690
21001615	Top Soil Furnish & Place, 4"	Sq. Yd.	13650
25000200	Seeding, Class 2	Acre	2.83
25000400	Nitrogen Fertilizer Nutrient	Pound	315
25000500	Phosphorus Fertilizer Nutrient	Pound	315
25000600	Potassium Fertilizer Nutrient	Pound	315
25100115	Mulch, Method 2	Acre	3
28000250	Temporary Erosion Control Seeding	Pound	290
28000305	Temporary Ditch Checks	Foot	200
28000400	Perimeter Erosion Barrier	Foot	2590
28100707	Stone Dumped Riprap, Class A4	Sq. Yd.	76
28100807	Stone Dumped Riprap, Class A4	Tons	530
28200200	Filter Fabric	Sq. Yd.	225
31101200	Sub-base Granular Material, Type B, 4"	Sq. Yd.	180
31101400	Sub-base Granular Material, Type B, 6"	Sq. Yd.	1613
31102000	Sub-base Granular Material, Type C	Cu. Yd.	90
42100100	Continuously Reinforced Portland Cement Concrete Pavement 8'	Sq. Yd.	1397
42100615	Pavement Reinforcement	Sq. Yd.	1397
44000100	Pavement Removal	Sq. Yd.	1066
48101200	Aggregate Shoulders, Type B	Tons	192
50102400	Concrete Removal	Cu. Yd.	19.8
50104000	Bridge Rail Removal	Foot	1321
50104650	Slope Wall Removal	Sq. Yd.	77
50104720	Removal of Existing Concrete Deck	Each	1
50200100	Structure Excavation	Cu. Yd.	49
50300225	Concrete Structures	Cu. Yd.	32.4
50300255	Concrete Superstructures	Cu. Yd.	783.5
50300260	Bridge Deck Grooving	Sq. Yd.	2742
50300300	Protective Coat	Sq. Yd.	4430
50500405	Furnishing & Erecting Structural Steel	Pound	6500
50500505	Stud Shear Connectors	Each	7,905
*20001899	Jack and Remove Existing Bearings	Each	10
*20010501	Cleaning and Painting Steel Bridge No. 1	L. Sum	1
*20007101	Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1
*50800205	Reinforcement Bars, Epoxy Coated	Pound	215130
50901050	Steel Railing, Type SM	Foot	1314
51100300	Slope Wall 6 Inch	Sq. Yd.	92
51500100	Name Plates	Each	1
52000228	Finger Plate Expansion Joint	Foot	69
52100030	Elastomeric Bearing Assembly, Type III	Each	10
58700300	Concrete Sealer	Sq. Ft.	256
60107800	Pipe Underdrains 8"	Foot	70
*63000003	Steel Plate Beam Guardrail, Type A	Foot	900
*63100045	Traffic Barrier Terminal, Type 2	Each	2
*63100075	Traffic Barrier Terminal, Type 5A	Each	4
*LR631020	Traffic Barrier Terminal, Type 1	Each	3
63200310	Guardrail Removal	Foot	160
63300725	Steel Plate Beam Guardrail (Short Radius)	Foot	40
67100100	Mobilization	L. Sum	1
*70101800	Traffic Control and Protection (Special)	L. Sum	1
78001110	Paint Pavement Marking - Line 4'	Foot	4254
72000100	Sign Panel - Type 1	Sq. Ft.	15
72100100	Sign Panel Overlay	Sq. Ft.	15
72900100	Metal Post - Type A	Foot	51
*20013798	Construction Layout	L. Sum	1

267400 Trainees

1,000 HR

GENERAL NOTES

- New Fasteners shall be AASHTO M164 Type I, mechanically Galvanized Bolts. Bolts 7/8" dia. holes 15/16" dia., unless otherwise noted. Drill holes in existing steel with magnetic drills. Torch cutting holes is prohibited.
- Calculated weight of new Structural Steel = 6,500 lbs.
- All new structural steel shall be AASHTO M 270 Grade 50, except where otherwise noted.
- 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.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removing of the existing concrete.
- Plan dimensions and details relative to existing plans are subject to nominal construction 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 the work, however, the Contractor will be paid for in the quantity actually furnished at 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.
- Concrete Sealer shall be applied to the designated areas:
 - Top surfaces and the north and south faces of the pier caps.
 - To new concrete surfaces at the abutments, unless otherwise noted.
- 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 field painting structural steel, in accordance with the Cleaning and Painting Existing Steel Structures Special Provision. The color of the final finish coat shall be Gray, Munsell No. 5B 7/1.
- 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.
- All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.
- Finger plate expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.
- 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 new Bearing Assemblies shall conform to the requirements of AASHTO M 270 Grade 50.
- The existing reinforcement shall be cleaned and incorporated into the new construction. Cost is included with pay item Concrete Removal.
- Portions of the guardrail near the bridge shall be adjusted to connect the end of the Type SM Bridge Railing.
- The removal and reinstallation of existing signs, including replacement parts shall be included in the cost of the pay item Earth Excavation.
- At no point shall vehicular or construction loads be placed within 10 feet behind the abutment backwall and wingwalls from the time the deck is removed until the new deck forms have been removed and all abutment repairs have cured for a minimum of 7 days.
- The guardrails and terminals shall use 9' long posts.
- All riprap shall be gradation RR4.
- At the direction of the Engineer, Stone Dumped Riprap, Class A4, in tons, shall be placed at the base of the piers.
- Saw cutting over the top of the girder flanges is prohibited.

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.A. Fraenhoffer				
APVD	J.A. Fraenhoffer	NO.	DATE	REVISION	BY

FRAUENHOFFER
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SUMMARY OF QUANTITIES & GENERAL NOTES

FAS 447 (C.H. 17) OVER SPOON RIVER
SECTION 08-00121-01-BR
FULTON COUNTY

SHEET	2
DWG. NO.	SOQ.dgn
DATE	AUG 2010
PROJ. NO.	8015