ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1584	▲	COOK	119	75
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S2
S23 SHEETS

▲068-1919.2-CF CONTRACT 60371

GENERAL NOTES:

Fasteners shall be AASHTO M164 Type I, mechanically galvanized bolts. Bolts M20, open holes 22 mm diameter, unless otherwise noted.

Calculated mass of structural steel: AASHTO M 270M Grade 250 = 6,520 kg

No field welding is permitted except as specified in the contract documents.

The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M 270M Grade 345.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 420 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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 the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

All dimensions are in millimeters (mm) except as noted.

The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.

If the Contractor chooses to alter the temporary sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with the required seals will be expected by the Department, for review and approval.

The back face of Closed Abutments and their wingwalls shall be waterproofed according to Article 503.18 of the Standard Specifications.

Prior to pouring the new concrete for the deck, all loose rust, loose mill scale and all other loose, detrimental foreign material shall be removed from the portions of flanges of beams in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel and the cost of this work will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by a qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 6mm deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

The Contractor shall test the welds within 600 mm of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant, magnetic particle, or other approved testing method shall be performed by personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for further processing. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid according to Article 109.04 of the Standard Specifications.

Field painting of structural steel shall be done under a separate painting contract, except as noted below.

Existing structural steel shall only be cleaned and painted as required by the special provision "Cleaning and Painting Contract Surface Areas of Existing Steel Structures."

All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.

The existing bridge rail shall be salvaged and delivered to the District One Maintenance Yard. The address to deliver the bridge rail to is: IDOT District One Bridge Office, 1101 Biesterfield Road, Elk Grove, IL 60007, Telephone: (847) 956-1501. A 24 hour notice should be given before delivery. The cost for this work shall be included in Removal of Existing Concrete Deck.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	m^3	——	30.3	30.3
Removal of Existing Concrete Deck	Each	1	——	1
Structural Steel Removal	kg	3,140	——	3,140
Structure Excavation	m^3	——	136	136
Porous Granular Embankment (Special)	m^3	——	86	86
Preformed Joint Strip Seal	m	50.9	——	50.9
Concrete Structures	m^3	——	24.8	24.8
Concrete Superstructure	m^3	477.7	——	477.7
Bridge Deck Grooving	m^2	1,087	——	1,087
Protective Coat	m^2	1,577	——	1,577
Elastomeric Bearing Assembly, Type I	Each	28	——	28
Furnishing and Erecting Structural Steel	kg	6,520	——	6,520
Bridge Fence Railing	m	145.5	——	145.5
Reinforcement Bars, Epoxy Coated	kg	52,500	4,100	56,600
Name Plates	Each	1	——	1
Epoxy Crack Injection	m	——	70	70
Jack and Remove Existing Bearings	Each	28	——	28
Protective Shield	m^2	1,475	——	1,475
Bar Splicers	Each	690	24	714
Structural Repair of Concrete (Depth =< 125mm)	m^2	——	43	43
Temporary Sheet Piling	m^2	——	28.4	28.4
Remove, Store and Re-Erect Overhead Sign Structure Bridge Mounted	Each	2	——	2
Removal of Asbestos Cement Conduit	Meter	228	——	228
Concrete Sealer	m^2	——	37	37

Care should be taken when removing the existing hardwood and protective shielding. All the hardwood shall be salvaged and delivered to the District One Maintenance Yard. The address to deliver the hardwood protective shield to is: IDOT District One Bridge Office, 1101 Biesterfield Road, Elk Grove, IL 60007, Telephone: (847) 956-1501. A 24 hour notice should be given before delivery. Existing non-hardwood protective shield shall be removed and disposed of. Minor adjustments to the protective shield system may be required. See Specifications for more information.

The cost of maintaining, adjusting, salvaging, delivering and/or disposing of existing protective shielding shall be included with Protective Shielding. See Specifications for more information.

Slip-Forming of the parapets is not allowed.

Concrete sealer shall be applied to exposed areas of the back wall.

LIST OF STRUCTURAL DRAWINGS

REVISIONS	
NAME	DATE

COLLINS ENGINEERS INC
123 North Wacker Drive
Suite 300
Chicago, IL 60606
(312) 704-9300
www.collinsengr.com
ILLINOIS PROFFESSIONAL DESIGN FIRM LICENSE NO. 184-006993

ILLINOIS DEPARTMENT OF TRANSPORTATION
115 TH. STREET OVER FAI 57
FAU RTE. 1584 SEC. 068-1919.2-CF
COOK COUNTY
STATION 2+382.915
STRUCTURE NO. 016-2037
GENERAL NOTES & BILL OF MATERIAL

DRAWN BY KAC
CHECKED BY ERB/DGS DATE JANUARY 16, 2009

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