

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	1213B-1	COOK	94	49
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60640

**GENERAL NOTES:**

Fasteners shall be High Strength Bolts. Bolts M20, open holes 22mm Dia. unless otherwise noted.

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

Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 400. See Special Provisions.

Plan dimensions and details relative to existing plans are subject to Nominal Construction Variations. The Contractor shall field verify existing dimensions 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 compension for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Concrete Sealer shall be applied to all exposed surface areas of both of the abutments and existing Pier 2.

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. See Special Provision for "Cleaning and Painting New Metal Structures".

Cleaning and Field Painting of the existing structural steel shall be done under a separate Painting Contract.

Existing structural steel shall only be cleaned and painted as required by The Special Provision Cleaning and Painting Contact Surface Areas of Existing Steel Structures.

Detailed Demolition Plans for work performed on or over the C.T.A. R.O.W. shall be submitted to the C.T.A. and the Engineer for review and approval. Refer to the Special Provision "Removal of Existing Concrete Deck" for additional requirements.

Sawcut existing Abutment Backwall at Stage Removal Line before removing the existing Backwall.

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

The Contractor will be required to mark, on top of the Concrete Deck, the locations of all flanges of the Steel Beams, prior to any removal of the bridge Concrete Deck. Sawcutting directly over the top of the beam flanges is NOT permitted.

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 Removal of Existing Concrete Deck.

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 using magnetic particle testing (MT) or dye penetrant testing (PT) by an individual acceptable to 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 existing welds by non-destructive methods within 6.00m of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye Penetrant (PT), Magnetic Particle (MT) or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

The Existing Protective Shield was only used to keep concrete from falling onto traffic and is to be removed by the Contractor. The cost of removal of Existing Shielding shall be included the Removal of Existing Concrete Deck.

Slipforming of Parapet is not allowed.

Reinforcement Bars designated (E) shall be Epoxy Coated.

Wherever Epoxy Crack Sealing is referenced in the plans it shall be interpreted to be Epoxy Crack Injection.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER.	SUB.	TOTAL
Porous Granular Embankment, Special	m3	-	107	107
Concrete Superstructure	m3	491	-	491
Concrete Structures	m3	-	24.6	24.6
Protective Coat	m2	1,695	-	1,695
Reinforcement Bars, Epoxy Coated	kg	57,680	3,170	60,850
Removal of Existing Concrete Deck	Each	1	-	1
Bridge Deck Grooving	m2	1,004	-	1,004
Concrete Sealer	m2	-	69	69
Furnishing and Erecting Structural Steel	kg	1,109	-	1,109
Name Plates	Each	1	-	1
Bridge Fence Railing	m	168	-	168
Protective Shield	m2	1,206	-	1,206
Epoxy Crack Injection	m	-	36	36
Bar Splicers	Each	784	186	970
Concrete Removal	m3	-	34.5	34.5
Jack and Remove Existing Bearings	Each	30	-	30
Elastomeric Bearing Assembly, Type I	Each	30	-	30
Structure Excavation	m3	-	155	155
Temporary Sheet Piling	m2	-	25	25
Preformed Joint Strip Seal	m	75	-	75
Structural Repair of Concrete (Depth Greater than 125mm)	m	-	5	5
Structural Repair of Concrete (Depth Equal to or Less than 125mm)	m2	-	73.7	73.7
Anchor Bolts, M24	Each	20	-	20
Anchor Bolts, M30	Each	40	-	40

STATION 1+000.000  
REBUILT 20 BY  
STATE OF ILLINOIS  
F.A.I. RTE. 90 SEC. 1213B-1  
LOADING MS 18  
STR. NO. 016-0659

**NAME PLATE**  
See Std. 515001

**NOTES:**

See Sht. S1 for location of Name Plate.

The Existing Name Plate shall be cleaned and relocated adjacent to the new Name Plate. Cost is included with Name Plates.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
GENERAL NOTES AND TOTAL BILL OF MATERIAL CENTRAL AVENUE (FAU RTE. 2798) OVER INTERSTATE 90 (KENNEDY EXPWY.) & C.T.A. F.A.I. RTE. 90 SECTION: 1213B-1 COOK COUNTY STATION 1+000.000 STRUCTURE NO. 016-0659	
SCALE: NONE	DRAWN BY: D.L./J.M.
DATE: JANUARY 16, 2009	CHECKED BY: B.M.S./J.C.M.
<b>CHRISTIAN-ROGE &amp; ASSOC., INC.</b> CHICAGO ILLINOIS	