

F.A.I. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
90/94	*	соок	312	225
STA.		TO STA.		•
FED. ROAD	DIST. NO. 1 ILLI	NOIS FED. AID	PROJECT	
60A62	• (1919.	15, 2021-922	PT1 & P	T2) R-1

TOTAL BILL OF MATERIAL Structure No. 016-1148

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	535
Structural Repair of Concrete (Depth Greater Than 5")	Sq Ft	<i>1</i> 5
Epoxy Crack Sealing	LF	62
Protective Coat	Sq Yd	61

TOTAL BILL OF MATERIAL Structure No. 016-0142

Item	Unit	Quantity
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq Ft	458
Epoxy Crack Sealing	LF	116
Protective Coat	Sq Yd	51

GENERAL NOTES:

- 1. Pier Repair Locations and Quantities are estimated. The necessary adjustments based on current field conditions will be made at time of construction. However, such variations shall not be cause for additional compensation for a change in the Scope of Work; however, the Contractor will be paid for the quantity actually furnished at the Unit Price bid for the Work.
- 2. The Contractor shall expose the top of footing at all pier and abutment repair locations. The cost shall be included in the cost of Structural Repair of Concrete.
- 3. Delaminated and spalled areas of concrete shall be repaired by utilizing Structural Repair of Concrete and described in the Specifications as Structural Repair of Concrete,
- 4. Cracks shall be repaired by utilizing the Epoxy Crack Sealing and described in Section 590 of the Standard Specifications as Epoxy Crack Sealing.

- 5. The approximate location of the downspout is shown in the Elevation. If repairs are to be made near the attachments of the downspout, the downspout shall be detached before making the repairs. The Contractor shall reattach the downspout. The cost of the detachment and reattachment of the downspouts to the Piers shall be included in the cost of Structural Repair of Concrete.
- 6. Existing rustication shall be maintained and re-established in new repair areas and shall be included in the cost of Structural Repair of Concrete.
- 7. The Contractor shall provide Railroad Protective Liability Insurance in accordance with Articles 107.11 and 107.12 of the Standard Specifications for all Railroad Highway Crossings and the Chicago Transit Authority (CTA). The CTA has additional requirements as shown in the "CTA Coordination" provision as shown in the Contract Special Provisions.

INDEX OF SHEETS

General Plan

BR2 Pier 3 - Plan and Elevation (SN 016-1148)

BR3 North Abutment - Plan and Elevation (SN 016-1148) BR4 Piers 1 & 2 - Plan and Elevation (SN 016-0142)

BR5 East Abutment - Plan and Elevation (SN 016-0142)

DESIGN SPECIFICATIONS

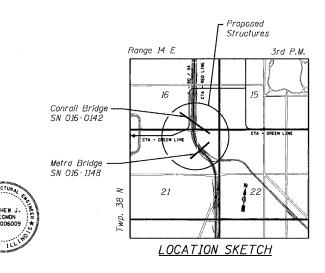
2002 AASHTO, Standard Specifications for Highway Bridges

DESIGN STRESSES

f'c = 3,500 psi fy = 60,000 psi (Reinf.)

SUBSTRUCTURE REPAIR WORK ITEMS

- 1) Metra Railroad Bridge (SN 016-1148) a) Pier 3 Repairs (North Face) b) North Abutment Repairs (South Face)
- 2) Conrail Railroad Bridge (SN 016-0142) a) Pier 1 Repairs (East and West Face) b) Pier 2 Repairs (East Face) c) East Abutment Repairs (West Face)



Sheet BRI of 5

	REVISIONS		
	DATE	NAME	
63F			
CCA		1	

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 90/94 (DAN RYAN EXPRESSWAY)

3RD STREET TO GARFIELD BLVD (NB LOCAL LANES)

GENERAL PLAN SUBSTRUCTURE AND ABUTMENT REPAIRS METRA BRIDGE (SN 016-1148) AND CONRAIL BRIDGE (SN 016-0142) COOK COUNTY DRAWN BY: CHD

SCALE: None DATE: June 9, 2006

CHECKED BY: MJP