

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

- S-1. General Plan and Elevation I
- S-2. General Plan and Elevation II
- S-3. General plan and Elevation III
- S-4. General Notes and Bill of Material
- S-5. Stage Construction Details
- S-6. Temporary Concrete Barrier
- S-7. Superstructure Repairs I
- S-8. Superstructure Repairs II
- S-9. Superstructure Repairs III
- S-10. Superstructure Repairs IV
- S-11. Superstructure Repairs V
- S-12. Superstructure Repairs VI
- S-13. Expansion Joint Replacement I
- S-14. Expansion Joint Replacement II
- S-15. Expansion Joint Replacement III
- S-16. North Abutment Bearings
- S-17. Steel Repairs
- S-18. Abutments-Concrete Repairs
- S-19. Piers 1 & 2
- S-20. Piers 3 & 4
- S-21. Piers 5 & 6
- S-22. Piers 7 & 8
- S-23. Drainage System
- S-24. Bar Splicer Details
- S-25. Existing Framing Plan I
- S-26. Existing Framing Plan II
- S-27. Existing Structural Steel Details

GENERAL NOTES

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts - 7/8 in. ϕ , holes - 1 1/16 in. ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 5,870 lbs.
3. All structural steel shall be AASHTO M270 Grade 50.
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. 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 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 using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 inch 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.
8. Plan dimensions and details relative to existing plans are subject to normal 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 compensation 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.
9. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
10. Two 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.
11. Existing structural steel shall only be cleaned and painted as required by Special Provision "Cleaning and Painting Contact Areas of Existing Steel Structures".
12. The Inorganic zinc rich primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the Acrylic finish coat shall be Interstate Green, Munsell No.7.5G 4/8. See Special Provision for "Cleaning and Painting New Metal Structures".
13. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with "Concrete Removal"

STATION 121+91
BUILT BY
STATE OF ILLINOIS
F.A. RT. 2697 SEC
2008-018 BR
LOADING HS20
STRUCTURE NO. 016-0540

NAME PLATE
See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
* Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	9,611
Concrete Removal	Cu. Yd.	63.2
Protective Shield	Sq. Yd.	11,910
Concrete Superstructure	Cu. Yd.	70.0
Bridge Deck Grooving	Sq. Yd.	8,930
Protective Coat	Sq. Yd.	10,099
Furnishing and Erecting Structural Steel	Pound	5,870
* Structural Steel Removal	Pound	4,050
* Jack and Remove Existing Bearings	Each	5
Reinforcement Bars, Epoxy Coated	Pound	14,240
Bar Splicers	Each	106
Name Plates	Each	1
Elastomeric Bearing Assembly, Type II	Each	5
Anchor Bolts, 1 1/4"	Each	20
Concrete Sealer	Sq. Ft.	694
* Bridge Deck Latex Concrete Overlay, 2 1/2 inches	Sq. Yd.	9,491
* Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	478
* Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	4,888
* Bridge Deck Hydro-Scarification 1"	Sq. Yd.	9,611
* Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	2,780
Drainage System	L. Sum	1
* Modular Expansion Joint 6"	Foot	205
* Modular Expansion Joint 9"	Foot	68

* Special Provision

GENERAL NOTES
AND BILL OF MATERIAL
S.N. 016-0540

SHEET NO. S-4 S-23 SHEETS	F.A.U. RTE. 2697	SECTION 2008-018 BR	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 18
	CONTRACT NO. 60			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

DESIGNED	B. Sauter
CHECKED	E. Mroczek
DRAWN	R. Danley
CHECKED	B. Sauter



Giorba Group, Inc.
CONSULTING ENGINEERS

5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014 Email chicago@giorba.com

rdm:ley

2/11/2009

rs:\proj\3329\3329_30\design\structural\load\sh\concrete_repair\3329_30_04_General_Notes.sht