- 2. Calculated weight of Structural Steel = 3,950 lbs.
- 3. No field welding is permitted except as specified in the contract documents.
- 4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- 5. Reinforcement bars designated (E) shall be epoxy coated.
- 6. 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 $^l{}_4$ 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.

- 7. 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 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
- 8. Concrete Sealer shall be applied to the West Abutment backwall and seats. Concrete sealer shall also be applied to the Pier 3 seats. All surfaces to be sealed shall be cleaned thoroughly prior to sealer application. Cost included
- 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. All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost for steel bearing extension painting included with Furnishing and Erecting Structural Steel. Cost for floor drain extension painting included with Floor Drain Extension.
- 11. 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".
- 12. A detour shall be utilized to maintain traffic during construction.
- 13. The Contractor shall exercise care during removal of existing joints to ensure that the slab, beams and diaphragms' integrity will not be detrimentally impacted. The Contractor shall repair any damage(s) to the slab, beams and diaphragms caused by his operation as directed by the Engineer at no additional cost to the Department.
- 14. Protective Coat shall be applied to the new Microsilica Concrete Overlay on the deck. Protective Coat shall also be applied to the top and inside faces of the parapets and
- 15. Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.
- 16. For Maintenance of Lighting System and Protection and Maintenance of Existing Underpass Lighting, see Special Provisions.
- 17. The final grades and cross-slopes for the Microsilica Concrete Overlay and expansion joint reconstruction shall conform to the existing grades plus the net increase in deck thickness specified in the plans. Any preliminary survey required for the Contractor to conform to these grades and to fabricate the preformed joint strip seal expansion joints shall not be paid for separately but shall be included in the cost of the major items of work involved.

DESIGNED -JLS CHECKED KWS DRAWN CHECKED KWS

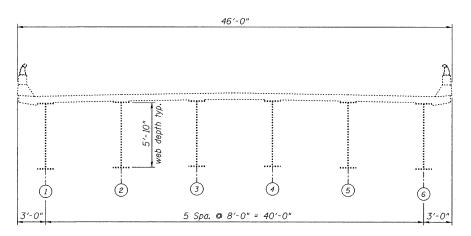
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

- General Plan and Elevation
- General Notes, Bill of Material and Index of Sheets
- Bridge Deck Repairs
- Parapet Retrofit Details
- Expansion Joint Repairs 1 of 2
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- Expansion Joint Details
- Preformed Joint Strip Seal Bearing Details 1 of 2
- 10 Bearing Details 2 of 2
- Substructure Repairs 11
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- Existing Plan Information

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	23.2		23.2
Protective Shield	Sq Yd	2,933		2,933
Concrete Superstructure	Cu Yd	26.9		26.9
Bridge Deck Grooving	Sq Yd	2,384		2,384
Protective Coat	Sq Yd	2,986		2,986
Floor Drain Extension	Each	6		6
Furnishing and Erecting Structural Steel	Pound	3,950		3,950
Jack and Remove Existing Bearings	Each	12		12
Reinforcement Bars, Epoxy Coated	Pound	2,940		2,940
Preformed Joint Strip Seal	Foot	115.0		115.0
Elastomeric Bearing Assembly, Type II	Each	12		12
Anchor Bolts, I"	Each	12		12
Anchor Bolts, 1 ^l ₂ "	Each	12		12
Concrete Sealer	Sq Ft		797	797
Bridge Deck Microsilica Concrete Overlay 21/4"	Sq Yd	2,466		2,466
Adjusting Drainage Scuppers, Type B	Each	4		4
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	.Sq Ft		191	191
Cleaning and Painting Exposed Rebar (Special)	Sq Ft	50		50
Bridge Deck Hydro-Scarification, ¹ ₂ "	Sq Yd	2,466		2,466
Deck Slab Repair (Full Depth, Type I)	Sq Yd	5.0		5.0
Deck Slab Repair (Full Depth, Type II)	Sq Yd	9.3		9.3
Retrofit Concrete Parapet	Foot	1,035		1,035



EXISTING DECK CROSS SECTION (Looking Fast.

> GENERAL NOTES, BILL OF MATERIAL AND INDEX OF SHEETS STRUCTURE NO. 022-0106

alfred benesch & company

SHEET NO. 2 19 SHEETS

TOTAL SHEET SECTION COUNTY SHEETS NO. 27 7 290 2009-1151 DUPAGE CONTRACT NO. 60J34 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT