

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	28.5		28.5
Protective Shield	Sq. Yd.	1,043		1,043
Concrete Superstructure	Cu. Yd.	28.5		28.5
Bridge Deck Grooving	Sq. Yd.	1,320		1,320
Protective Coat	Sq. Yd.	1,422		1,422
Reinforcement Bars, Epoxy Coated	Pound	4,960		4,960
Bar Splicers	Each	72		72
Preformed Joint Strip Seal	Foot	134.0		134.0
Concrete Sealer	Sq. Ft.	3,917	881	4,798
Bridge Deck Latex Concrete Overlay, 2 1/4"	Sq. Yd.	1,359		1,359
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq. Ft.		9	9
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		18	18
Approach Slab Repair (Partial Depth)	Sq. Yd.	9.3		9.3
Bridge Deck Hydro-Scarification, 2 1/4"	Sq. Yd.	1,359		1,359
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	16.5		16.5
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	39.2		39.2
Cleaning and Painting Exposed Rebar (Special)	Sq. Ft.	48		48
Clean and Reseal Relief Joint	Foot	74		74

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- 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.
- 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 for the work.
- Concrete Sealer shall be applied to the parapets, 30' approach slabs, abutment seats and abutment backwalls. All surfaces to be sealed shall be cleaned thoroughly prior to sealer application. Cost included with Concrete Sealer.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Stage construction shall be utilized to maintain traffic during construction.
- 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.
- Protective Coat shall be applied to the new Bridge Deck Latex Concrete Overlay and Concrete Superstructures.
- 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.

INDEX OF SHEETS

- General Plan and Elevation
- General Notes, Bill of Material and Index of Sheets
- Stage Construction Details
- Bridge Deck, Vaulted Span and Approach Slab Repairs
- Expansion Joint Repairs
- Expansion Joint Details
- Preformed Joint Strip Seal
- Substructure Repairs
- Bar Splicer Assembly Details

DESIGNED	MFB
CHECKED	KWS
DRAWN	RMG
CHECKED	KWS

benesch

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GENERAL NOTES, BILL OF MATERIAL
AND INDEX OF SHEETS
STRUCTURE NO. 022-0101

SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290 355	22(1, 1-1, 2&3)RS-7	DUPAGE	546	282
9 SHEETS	CONTRACT NO. 60G51				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		