

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL

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.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- If the contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
- The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing pile. This connection shall be reviewed and accepted by the Engineer and included in the cost of Temporary Sheet Piling.
- 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 Approach Slabs as well as to the top and inside faces of Parapets.
- 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
- Temporary Concrete Barrier for Stage Construction
- Bridge Deck and Approach Slab Repairs
- South Bridge Approach Slab Details (1 of 2)
- South Bridge Approach Slab Details (2 of 2)
- North Bridge Approach Slab Details (1 of 2)
- North Bridge Approach Slab Details (2 of 2)
- Expansion Joint Repairs
- Expansion Joint Details
- Preformed Joint Strip Seal
- Steel Repair Details
- Abutment Stabilization Details
- Bar Splicer Assembly Details
- 16-28. Existing Plan Information

ITEM	UNIT	SUPER	SUB	TOTAL
Bridge Approach Pavement Connector (PCC)	Sq. Yd.	230		230
Pavement Reinforcement 9"	Sq. Yd.	230		230
Approach Slab Removal	Sq. Yd.	605		605
Concrete Barrier Removal	Foot	58.5		58.5
Concrete Removal	Cu. Yd.	28.0		28.0
Protective Shield	Sq. Yd.	685		685
* Structure Excavation	Cu. Yd.		273	273
Concrete Structures	Cu. Yd.		38.5	38.5
Concrete Superstructure	Cu. Yd.	205.7		205.7
Bridge Deck Grooving	Sq. Yd.	1,475		1,475
Protective Coat	Sq. Yd.	1,785		1,785
Reinforcement Bars, Epoxy Coated	Pound	43,710	6,940	50,650
Bar Splicers	Each	178	80	258
Temporary Sheet Piling	Sq. Ft.		401	401
Preformed Joint Strip Seal	Foot	123.0		123.0
End Sections 12"	Each	2		2
Geocomposite Wall Drain	Sq. Yd.		97	97
Pipe Drains 12"	Foot	34		34
Pipe Underdrains for Structures 4"	Foot		130	130
Removing Inlets	Each	2		2
Type D Inlet Box, Standard 609001	Each	2		2
Concrete Thrust Blocks	Each	2		2
Bridge Deck Latex Concrete Overlay, 2 1/4"	Sq. Yd.	1,142		1,142
Expanded Polystyrene Fill	Cu. Yd.		175	175
Bridge Deck Hydro-Scarification, 2 1/4"	Sq. Yd.	1,142		1,142
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5.1		5.1
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	7.8		7.8
Modify Existing Pin & Link Connection	L. Sum	0.19		0.19

* All excavated materials shall be disposed of within IDOT right-of-way and within the project limits. See the General Notes sheet from the roadway plans for more information.

GENERAL NOTES, BILL OF MATERIAL
AND INDEX OF SHEETS
STRUCTURE NO. 022-0111

DESIGNED	MFB
CHECKED	KWS
DRAWN	RMG
CHECKED	KWS

benesch

alfred benesch & company
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SHEET NO. 2	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290				
28 SHEETS			CONTRACT NO. 60G51		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		