

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 2 OF 14 SHEETS
-	-	KANE	545	289	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #63074

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TOTAL BILL OF MATERIAL

PAY ITEM	UNIT	STAGE 1	STAGE 2	TOTAL
Porous Granular Embankment	Cu. Yd.	614	686	1,300
Structure Excavation	Cu. Yd.	984	991	1,975
Concrete Structures	Cu. Yd.	407.6	453.7	861.3
* Form Liner Textured Surface (Special)	Sq. Ft	1,659	1,766	3,425
Reinforcement Bars, Epoxy Coated	Pound	72,830	83,470	156,300
Bar Splicers	Each	191		191
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.	241	270	511
* Pipe Underdrains for Structures 4"	Foot	191	196	387
* Graffiti Removal (Special)	Sq. Yd.	190	234	424
* Anti-Graffiti Coating	Sq. Ft	1,838	1,946	3,784
* Steel (Special)	Foot	89	73	162
* Architectural Lettering	L. Sum	0.25	0.25	0.5

* See Special Provisions

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. See Special Provision.
- Reinforcement bars designated (E) shall be epoxy coated.
- All exposed concrete edges shall have a $\frac{3}{4}$ " x 45 deg. Chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- Reinforcement bending details shall be in accordance with the latest Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from face of concrete to face of reinforcement bars shall be 3 inches for surfaces cast against earth and 2 inches for all other surfaces unless otherwise shown.
- The cost of Water Seals and P/J is included in the cost of Concrete Structures unless noted otherwise.
- Backfill shall be placed simultaneously against both side walls of the structure. The maximum differential in fill height on either side shall be two feet.
- Reinforcement bar lap splices shall be Class C. Top bars so placed that more than 12 inches of concrete is cast below the reinforcement shall be lapped for 1.4 x basic lap. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

Bar Size	Basic Lap	1.4 Basic Lap
#4	1'-8"	2'-5"
#5	2'-2"	3'-0"
#6	2'-7"	3'-7"
#7	3'-5"	4'-10"
#8	4'-6"	6'-4"
#9	5'-9"	8'-1"
#10	7'-3"	10'-3"
#11	9'-0"	12'-7"

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

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GENERAL NOTES, INDEX OF SHEETS
AND TOTAL BILL OF MATERIAL
MULTI-USE PATH UNDER
IL 25/STEARNS ROAD
F.A.P. 360 - SEC. 06-00214-15-BR
KANE COUNTY
STATION 916+09.93
STRUCTURE NO. 045-3173