

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
F.A.I. 57	★	COOK	75	30	32 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract 60366
★2122B

INDEX OF DRAWINGS

Sheet No.	Title
1	General Plan and Elevation
2	General Notes & Total Bill of Material
3	Stage Construction and Removal
4	Top of Deck Slab Elevations
5	Top of Deck Slab Elevations
6	Top of Deck Slab Elevations
7	Top of West Approach Slab Elevations
8	Top of East Approach Slab Elevations
9	Deck Plan & Cross Section
10	Superstructure Details
11	Superstructure Details
12	Superstructure Details
13	Bridge Approach Slab Details
14	Bridge Approach Slab Details
15	Bridge Fence Railing Parapet Mounted
16	Preformed Joint Strip Seal
17	Framing Plan and Design Data Table
18	Existing Steel Beam Alterations
19	Bearings
20	West Abutment Removal and Repairs
21	West Abutment Alterations
22	West Abutment Wingwall Alterations
23	West Abutment Details
24	East Abutment Removal and Repairs
25	East Abutment Alterations
26	East Abutment Wingwall Alterations
27	East Abutment Details
28	Pier 1 Repairs
29	Pier 2 Repairs
30	Drainage Scupper DS-11
31	Bar Splicer Assembly Details
32	Temporary Concrete Barrier for Stage Construction

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$ in. ϕ , holes $\frac{5}{16}$ in. ϕ , unless otherwise noted.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). 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 an individual acceptable to the Engineer. Any cracks that cannot be removed by grinding $\frac{1}{4}$ 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 routine 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 based upon the unit price bid for the work.
- Concrete Sealer shall be applied to new concrete surfaces at the front face of new backwalls and bearing seats extensions.
- Cleaning and field painting of existing structural steel shall be done under a separate painting contract.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 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".
- All new structural steel shall be shop painted with an organic zinc rich primer per Article 1008.02 in the Standard Specifications.
- The Contractor shall resurvey the I-57 vertical clearance over each lane and shoulder following the deck replacement. This work will not be paid for separately, but shall be included with the contract lump sum price for "Construction Layout".
- Existing protective shield shall be salvaged by the contractor and delivered to the IDOT, District Bridge Maintenance Yard located at 1101 Blesterfield Road, Elk Grove Village, Illinois, 60007. Telephone number: (847) 956-1444 (48 hours advance notice required). This work shall include removing, transporting and unloading the protective shield at the above yard which cost shall be considered included in the cost of bridge deck removal.
- Slipforming of the parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd		68	68
Removal of Existing Concrete Deck	Each	1		1
Protective Shield	Sq Yd	936		936
Structure Excavation	Cu Yd		44	44
Concrete Structures	Cu Yd		64	64
Concrete Superstructure	Cu Yd	588		588
Bridge Deck Grooving	Sq Yd	1225		1225
Protective Coat	Sq Yd	1754		1754
Furnishing and Erecting Structural Steel	Pound	3290	3690	6980
Stud Shear Connectors	Each	5400		5400
Reinforcement Bars, Epoxy Coated	Pound	106,760	13,540	120,300
Bar Splicers	Each	701	110	811
Bridge Fence Railing	Ft	532		532
Temporary Sheet Piling	Sq Ft		232	232
Name Plates	Each		2	2
Preformed Joint Strip Seal	Ft	135		135
Elastomeric Bearing Assembly, Type I	Each		24	24
Anchor Bolts, 1"	Each		48	48
Concrete Sealer	Sq Ft		1020	1020
Epoxy Crack Injection	Ft		137	137
Drainage Scuppers, DS-11	Each	4		4
Structural Repair of Concrete (Depth Greater Than 5 inches)	Sq Ft		98	98
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq Ft		894	894
Drainage System	L Sum	1		1
Jacking and Cribbing, Location 1	Each		1	1
Jacking and Cribbing, Location 2	Each		1	1
Temporary Shoring and Cribbing	Each		3	3

DESIGNED	NDR
CHECKED	DSE
DRAWN	RTT
CHECKED	DSE
DATE	JAN 16, 2009

Illinois Firm Registration No. 04-00533



Stanley Consultants Inc.
850 West Higgins Road, Suite 730, Chicago, Illinois 60631-2801
www.stanleygroup.com

GENERAL NOTES AND TOTAL BILL OF MATERIAL
103RD STREET OVER
FAI 57 (DAN RYAN-WEST LEG)
FAI RTE 57 SECTION 2122B
COOK COUNTY
STA 5+47.40
STRUCTURE NO 016-2127