

GENERAL NOTES

Reinforcement Bars designated (E) shall be epoxy coated.

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 minimum thickness of the concrete overlay shall be 5" and varies as required to adjust for the new profile grade and camber.

Repair of the substructure shall be completed prior to placement of the new deck beams.

No in-stream work will be allowed on this project.

If the Contractor's procedures for existing beam removal or placement of new beams involves placement of heavy equipment on the existing or new deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Superstructure.

The Contractor is advised that the existing PPC Deck Beams are in a deteriorated conditon with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

SCOPE OF WORK

The scope of work for this project consists of an in-kind PPC Deck Beam Superstructure Replacement for an existing single-span bridge. The work includes replacing the existing beams and existing 3 inch HMA wearing surface with new 27 inch PPC deck beams and a 5 inch concrete wearing surface. Repairs to the existing abutments are required. Also included in the scope of work is replacing the approach pavement and relief joints. The project is to be designed to maintain 3R and bridge rehabilitation standards. Staged construction with use of a temporary traffic signal, guard rail improvements, pavement marking and soils erosion are included in the roadway plans.

INDEX OF SHEETS

- S1. General Plan and Elevation
- S2. General Data & Bill of Material
- S3. Stage Construction Details
- S4. Temporary Concrete Barrier for Stage Construction
- S5. Top of South Approach Slab Elevations
- S6. Top of North Approach Slab Elevations
- S7. Superstructure
- S8. Superstructure Details
- S9. Steel Railing, Type SM with Concrete Wearing Surface
- S10. Bridge Approach Slab Details 1 of 2
- S11. Bridge Approach Slab Details 2 of 2
- S12. 27"x36" PPC Deck Beams
- S13. 27"x36" PPC Deck Beam Details
- S14. South Abutment Details
- S15. North Abutment Details
- S16. Bar Splicer Assembly Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	APPR. SLAB	TOTAL
Removal of Exisitng Superstructures	Each	1			1
Concrete Removal	Cu. Yd.		3.2		3.2
Bridge Rail Removal	Foot	128			128
Concrete Structures	Cu. Yd.			27.8	27.8
Concrete Superstructure	Cu. Yd.			125.0	125.0
Bridge Deck Grooving	Sq. Yd.	311		300	611
Protective Coat	Sq. Yd.	311		300	611
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. ft.	2800			2800
Reinforcement Bars, Epoxy Coated	Pound	3970	300	33340	37610
Bar Splicers	Each	63		222	285
Steel Railing, Type SM	Foot	128			128
Name Plates	Each	1			1
Preformed Joint Strip Seal	Foot	45			45
Epoxy Crack Injection	Foot		130		130
Concrete Wearing Surface, 5"	Sq. Yd.	312			312
Asbestos Bearing Pad Removal	Each	16			16
Structural Repair of Concrete (Depth Equal to or Less Than 5 inches)	Sq. Ft.		27		27