TOTAL BILL OF MATERIAL

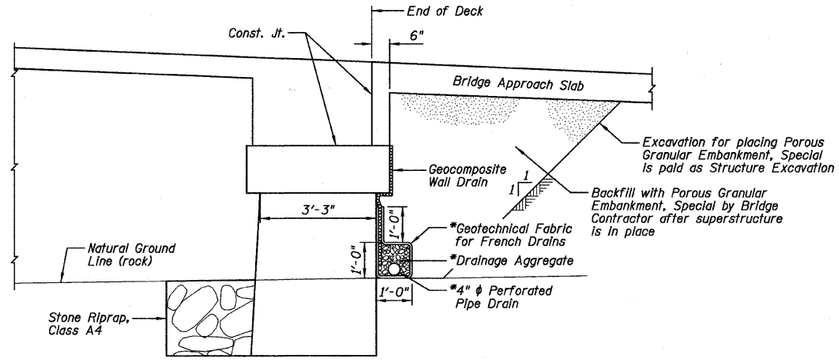
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		16	16
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		30.1	30.1
Structure Excavation	Cu. Yd.		27	27
Rock Excavation for Structures	Cu. Yd.		23	23
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 1) (Location - 2)	Each		1	1
Floor Drains	Each	4		4
Concrete Structures	Cu. Yd.		36.1	36.1
Concrete Superstructure	Cu. Yd.	128.1		128.1
Protective Coat	Sq. Yd.	435		435
Reinforcement Bars, Epoxy Coated	Pound	20,940	3,830	24,770
Bar Splicers	Each	92		92
Geocomposite Wall Drain	Sq. Yd.		16	16
Pipe Underdrains for Structures 4"	Foot		55	55
Decorative Steel Railing	Foot	328		328
Pipe Support	Each	31		31
Porous Granular Embankment, Special	Cu. Yd.		27	27
Post-Tensioning System	L. Sum	1		1
Mechanical Splicers	Each	48		48

GENERAL NOTES:

1.) Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2.) Reinforcement bars designated (E) shall be epoxy coated.
3.) 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.
4.) The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except within the limits of the cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
5.) The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
6.) Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.
7.) Electrical conduit hole locations to match existing hole locations.

CONSTRUCTION SEQUENCE:

1.) Remove existing superstructure and substructure elements as shown.
2.) Construct the substructure elements.
3.) Construct superstructure spans adjacent to Span No. 3.
4.) Construct the bonded Post-Tension Slab within Span No. 3 without the curved concrete thru-girders.
5.) Post-Tension the slab within Span No. 3 after the concrete has achieved the minimum compressive strength of 3,500 psi.
6.) Construct the curved concrete thru-girders (the Post-Tension Slab support formwork shall not be removed until after the concrete thru-girders have achieved the minimum compressive strength of 4,000 psi.
7.) Finalize all remaining bridge construction items.



SECTION THRU NORTH ABUTMENT

(Similar for South Abutment)

NOTES:
1.) *Included in the cost of Pipe Underdrains for Structures 4".
2.) All drainage system components shall extend to 2'-0" from the end of the abutment except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall outlet at the front face of the rebuilt mortared stone wall.

Farnsworth GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

	DESIGNED - JML/JCZ	REVISED - DJM 11/07/11	
	CHECKED - JML	REVISED	
	DRAWN - DJM	REVISED	
DATE - 10/17/11	CHECKED - MSW	REVISED	

GENEVA PARK DISTRICT
GENEVA, ILLINOIS

GENERAL DATA
ISLAND PARK NORTH BRIDGE
SHEET NO. B2 OF 31 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-P4005-00-BR	KANE	42	11
		CONTRACT NO. 63643		
	ILLINOIS FED. AID PROJECT			

24-7965