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.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

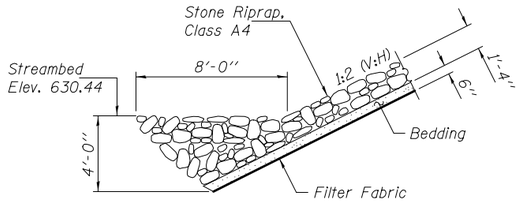
The Contractor is advised that the existing PPC Deck Beam are in a deteriorated condition with reduced load carrying capacity. It is the Contractors responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

Bolts for existing steel support beams shall be burned flush with the existing substructure surfaces. Grind existing anchor bolts smooth and seal with epoxy.

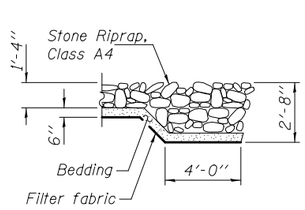
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Granular Backfill for Structures	Cu. Yd.		52.0	52.0
Stone Riprap, Class A4	Sq. Yd.		665	665
Filter Fabric	Sq. Yd.		665	665
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		3.7	3.7
Structure Excavation	Cu. Yd.		48	48
Concrete Structures	Cu. Yd.		19.8	19.8
Concrete Superstructure	Cu. Yd.	95		95
Bridge Deck Grooving	Sq. Yd.	495		495
Protective Coat	Sq. Yd.	528		528
Concrete Wearing Surface, 5"	Sq. Yd.	315		315
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	2827		2827
Reinforcement Bars, Epoxy Coated	Pound	29270		29270
Steel Railing, Type SM	Foot	237		237
Name Plates	Each	1		
Geocomposite Wall Drain	Sq. Yd.		28	28
Pipe Underdrains for Structures, 4"	Foot		115	115
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.		129	129
Structural Repair of Concrete (Depth ≥ 5")	Sq. Ft.		4.5	4.5
Asbestos Bearing Pad Removal	Each		56	56

INDEX OF SHEETS



SECTION A-A



SECTION B-B

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)				
	E. Abut.	Pier 1	Pier 2	W. Abut.
Q500	642.73	627.14	627.14	642.79

WATERWAY INFORMATION

Drainage Area = 17.8 sq. mi.

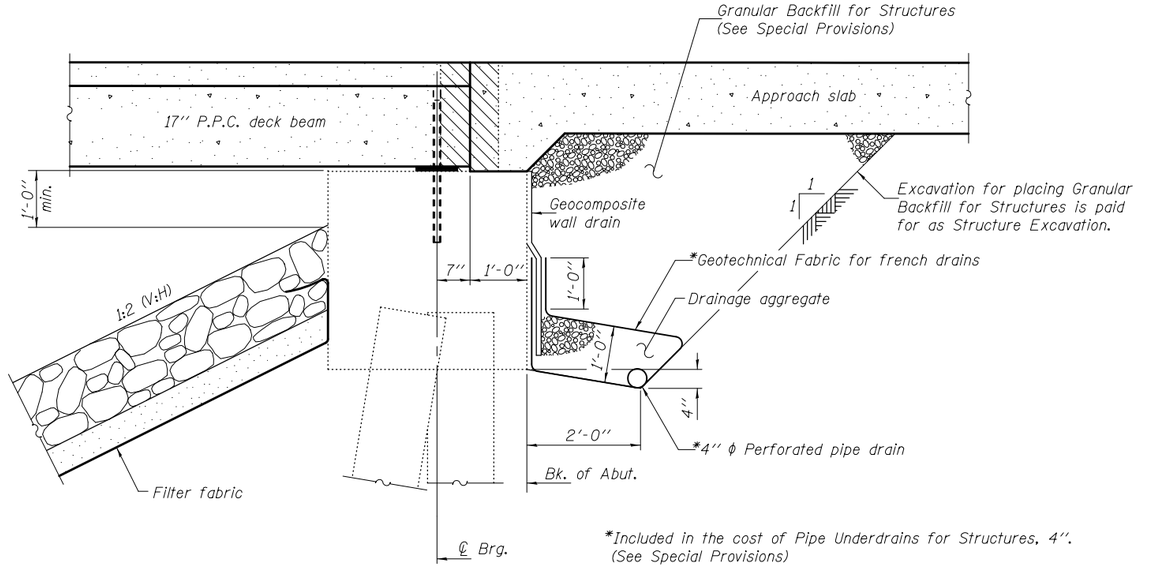
Exist. Low Grade Elev. 648.06 @ Sta. 601+50
Prop. Low Grade Elev. 648.07 @ Sta. 601+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	904	363	363	640.1	0.1	0.1	640.2	640.2
Design	50	1,320	504	504	642.4	0.1	0.1	642.5	642.5
Base	100	1,480	529	529	642.8	0.1	0.1	642.9	642.9
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	1,860	578	578	643.5	0.1	0.1	643.6	643.6

10 year velocity through existing bridge = 2.5 ft./sec.
10 year velocity through proposed bridge = 2.5 ft./sec.

LEGEND

Concrete removal full width of cap. Typ. ea. abutment. See sheet 16 of 22.



*Included in the cost of Pipe Underdrains for Structures, 4". (See Special Provisions)

SECTION THRU ABUTMENT

All drainage system components shall extend to the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

DESIGNED	-	Fess Teklehalmanot	
CHECKED	-	Ray Ahanchi	
DRAWN	-	h.t. duong	
CHECKED	-	FT/GRA	

EXAMINED — ACTING ENGINEER OF BRIDGE DESIGN
PASSED — ACTING ENGINEER OF BRIDGES AND STRUCTURES
DATE - OCTOBER 1, 2013
REVISED
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 046-0109
SHEET NO. 2 OF 22 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1323	102-BR	KANKAKEE	53	18
		CONTRACT NO. 66B66		
	ILLINOIS	FED. AID PROJECT		