

GENERAL NOTES

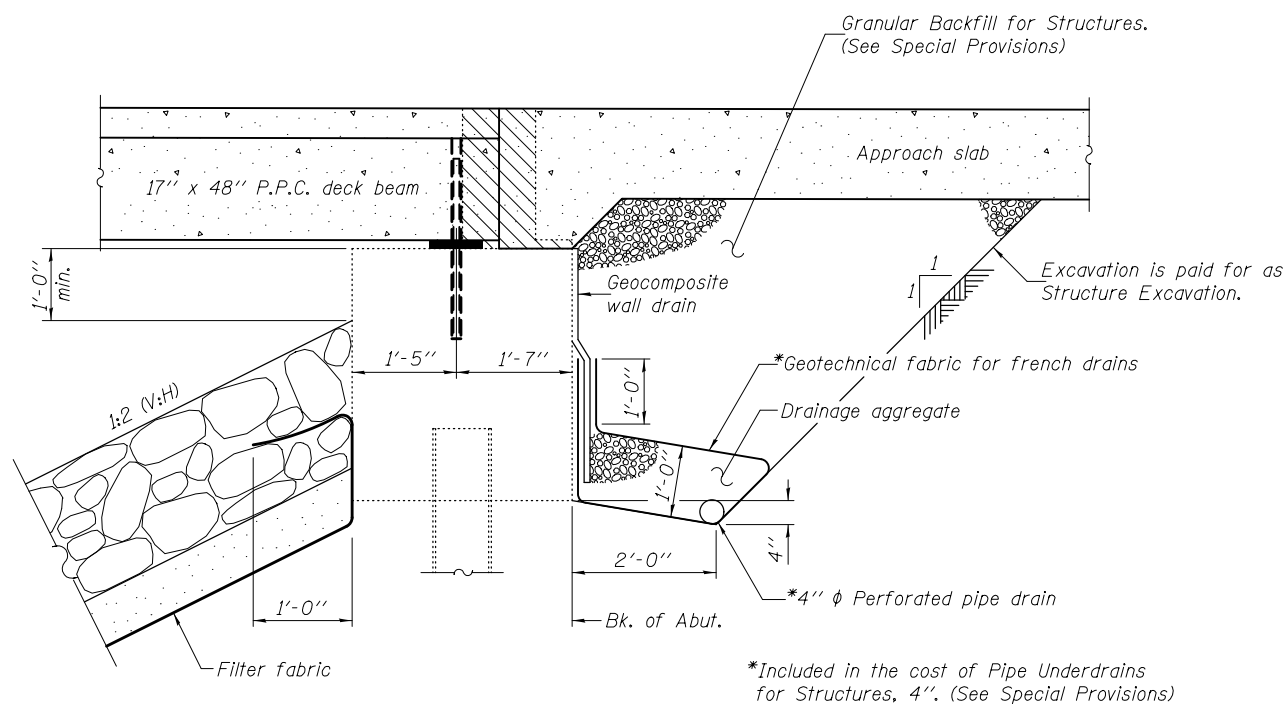
Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to 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 the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Granular Backfill for Structures	Cu. Yd.		54	54
Stone Riprap, Class A5	Sq. Yd.		325	325
Filter Fabric	Sq. Yd.		325	325
Removal of Existing Superstructures	Each	1		1
Structure Excavation	Cu. Yd.		40.0	40.0
Concrete Removal	Cu. Yd.		3.8	3.8
Concrete Structures	Cu. Yd.		20.1	20.1
Concrete Superstructure	Cu. Yd.	95.5		95.5
Bridge Deck Grooving	Sq. Yd.	351		351
Protective Coat	Sq. Yd.	374		374
Concrete Wearing Surface, 5"	Sq. Yd.	161		161
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1447		1447
Reinforcement Bars, Epoxy Coated	Pound	27380		27380
Steel Railing, Type SM	Foot	151		151
Name Plates	Each	1		1
Epoxy Crack Injection	Foot		7	7
Geocomposite Wall Drain	Sq. Yd.		28	28
Pipe Underdrains for Structures, 4"	Foot		116	116
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.		8.2	8.2

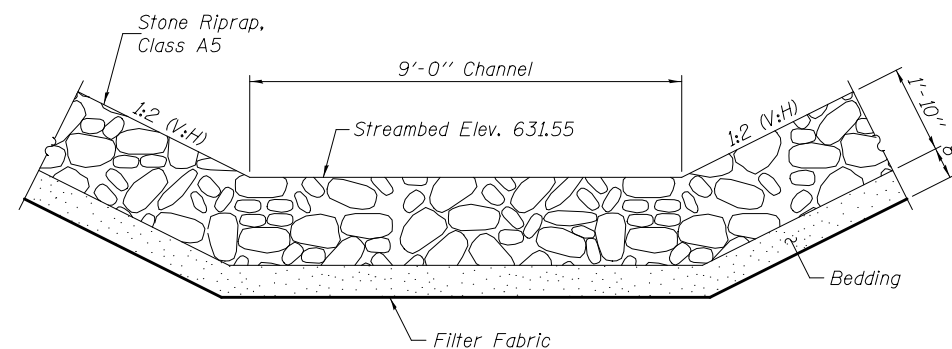
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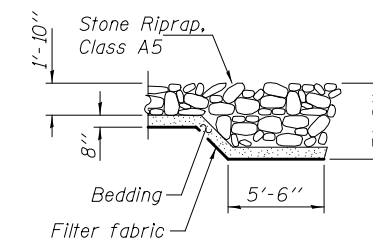


SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)

Note: All drainage system components shall extend to the end of abutment cap 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).



SECTION A-A



SECTION B-B

WATERWAY INFORMATION

		Existing Overtopping Elev. 641.9 @ Sta. 505+25		Proposed Overtopping Elev. 641.9 @ Sta. 505+25					
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
	10	1220	158	158	638.7	1.1	1.1	639.8	639.8
Existing Overtopping	42	1920	191	191	639.5	2.5	2.5	642.0	642.0
Design	50	2000	194	194	639.5	2.5	2.5	642.0	642.0
Proposed Overtopping	90	2310	207	207	639.8	2.3	2.3	642.2	642.2
Base	100	2350	208	208	639.9	2.3	2.3	642.2	642.2
Max. Calc.	500	3200	232	232	640.5	1.7	1.7	642.2	642.2

10 year velocity through existing bridge = 7.6 ft./sec.
 10 year velocity through proposed bridge = 7.6 ft./sec.

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)		
	North Abutment	South Abutment
Q500	636.94	636.82

DESIGNED - Fess Teklehalmanot	EXAMINED - <i>Jayne F. [Signature]</i>	DATE - SEPTEMBER 3, 2014
CHECKED - Ray Ahanchi	PASSED - <i>Carl [Signature]</i>	REVISED -
DRAWN - h.t. duong	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
CHECKED - FT/GRA		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 038-0184**

SHEET NO. 2 OF 11 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1324	38BR	IROQUOIS	35	15
CONTRACT NO. 66A72				
ILLINOIS FED. AID PROJECT				