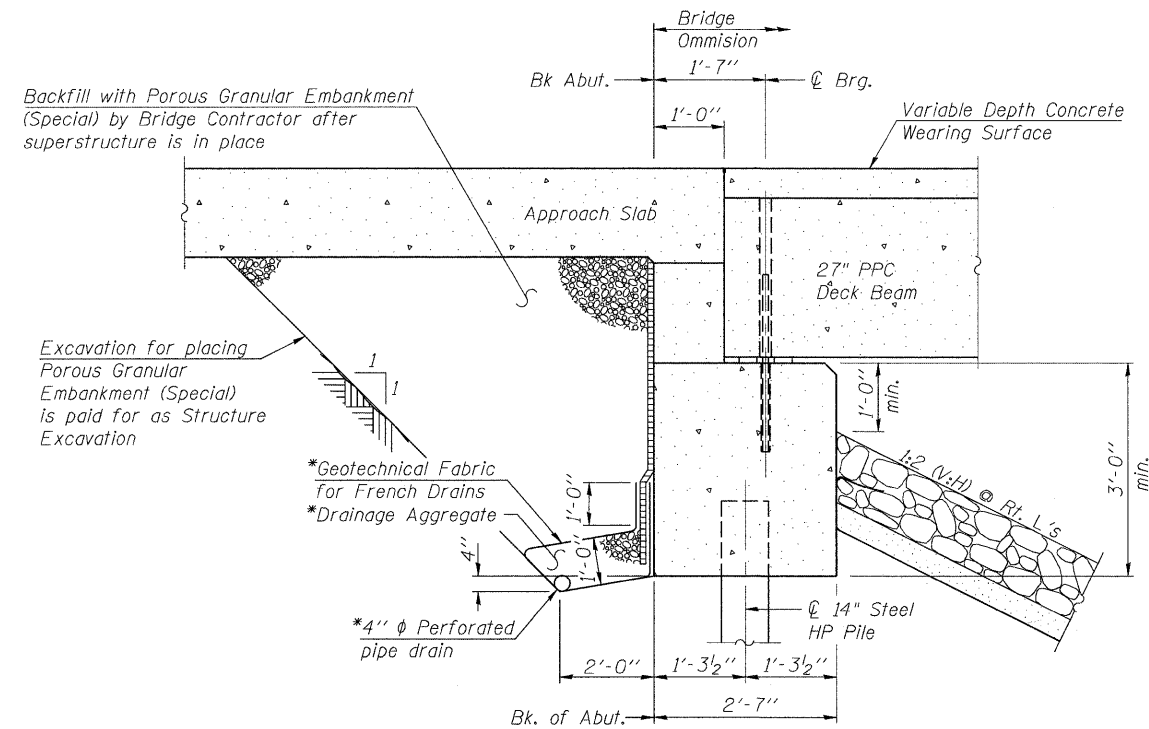


TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq Yd		500	500
Filter Fabric	Sq Yd		500	500
Removal Of Existing Structures	Each	1		1
Structure Excavation	Cu Yd		99	99
Cofferdam Excavation	Cu Yd		43	43
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 1) (Location - 2)	Each		1	1
Concrete Structures	Cu Yd		72	72
Concrete Superstructure	Cu Yd	107		107
Bridge Deck Grooving	Sq Yd	583		583
Concrete Encasement	Cu Yd		21	21
Protective Coat	Sq Yd	683		683
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq Ft	3,981		3,981
Reinforcement Bars, Epoxy Coated	Pound	31,160	11,100	42,260
Furnishing Metal Shell Piles 14" X 0.312"	Foot		196	196
Furnishing Steel Piles Hp14X73	Foot		425	425
Driving Piles	Foot		621	621
Test Pile Metal Shells	Each		1	1
Test Pile Steel Hp14X73	Each		3	3
Pile Shoes	Each		20	20
Name Plates	Each	1		1
Concrete Sealer	Sq Ft		845	845
Geocomposite Wall Drain	Sq Yd		54	54
Porous Granular Embankment, Special	Cu Yd		96	96
Concrete Wearing Surface, (Variable Depth)	Cu Yd	88		88
Steel Railing (Special)	Foot	282		282
Pipe Underdrains For Structures 4"	Foot		130	130

Note:  
 Cofferdam (Type 1) (Location-1) to be used for the removal and replacement of the pier and east abutment. Cofferdam (Type 1) (Location-2) to be used for the removal and replacement the west abutment. All earthwork, including placement of riprap, shall be done in a dry environment behind the cofferdam.  
 Two test piles are required for the west abutment. See sheet 12 of 18 for details.



\*Included in the cost of Pipe Underdrain for structures

Note:  
 All drainage system components shall extend to 2'-0" from 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).

SECTION THRU ABUTMENT

FILE NAME = s:\j\16800-6899\6942\007\microra\cadd sheets\structural\086-3192-63666-002-ED.dgn

1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = brianf DESIGNED RRD CHECKED AJS DRAWN B/JF CHECKED RRD	REVISED - REVISED - REVISED - REVISED -	MCHENRY COUNTY DIVISION OF TRANSPORTATION HILL ROAD BRIDGE OVER NORTH BRANCH NIPPERSINK CREEK	GENERAL DATA STRUCTURE NO. 056-3192 SHEET NO. 2 OF 18 SHEETS		TR 21 SECTION 08-00356-00-BR COUNTY MCHENRY TOTAL SHEETS 67 SHEET NO. 32 CONTRACT NO. 63666	ILLINOIS FED. AID PROJECT
	PLOT SCALE = PLOT DATE = 1/3/2012						