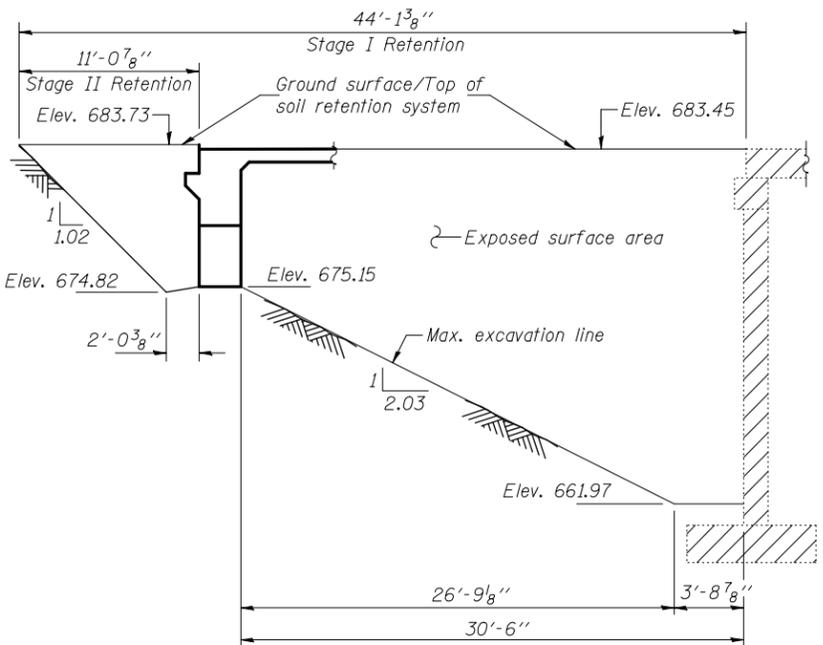
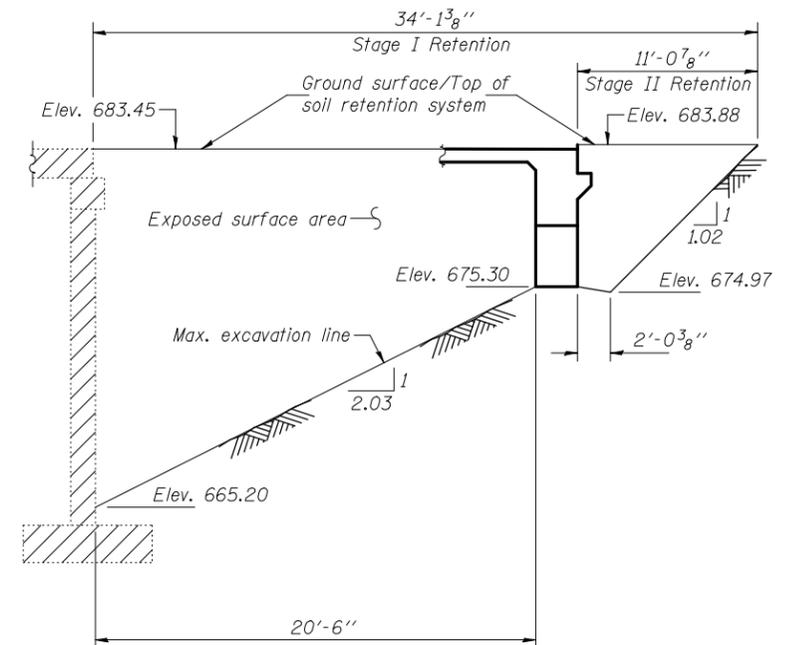


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

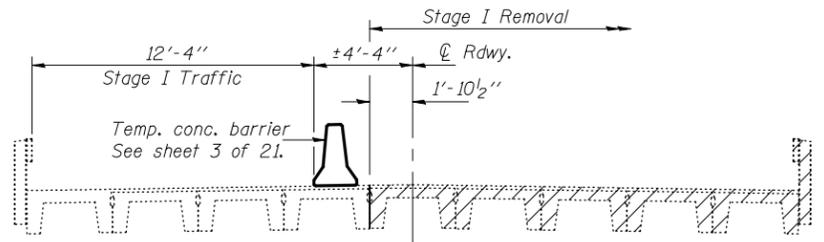


**TEMPORARY SOIL RETENTION SYSTEM
AT WEST ABUTMENT**

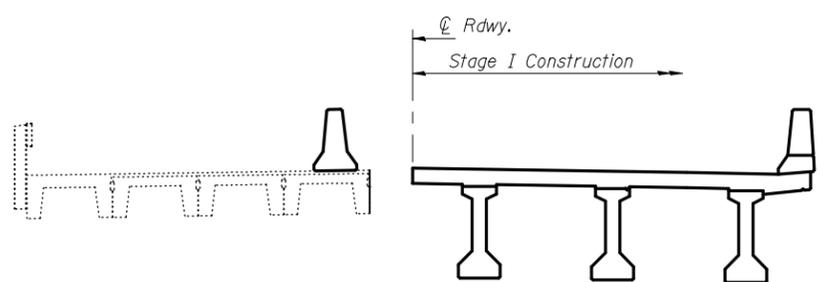


**TEMPORARY SOIL RETENTION SYSTEM
AT EAST ABUTMENT**

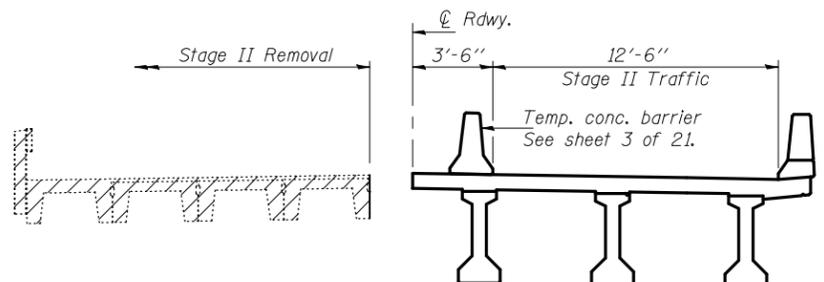
Note: A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



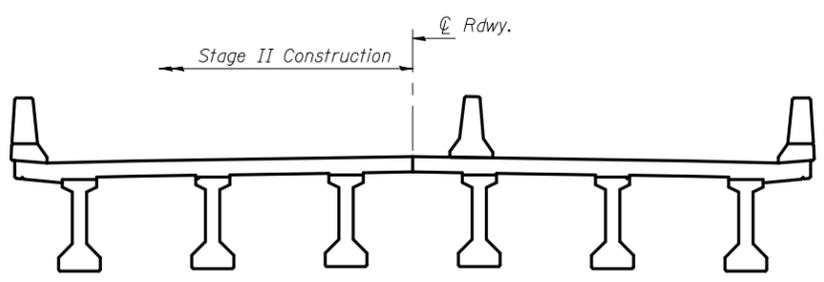
STAGE I REMOVAL



STAGE I CONSTRUCTION

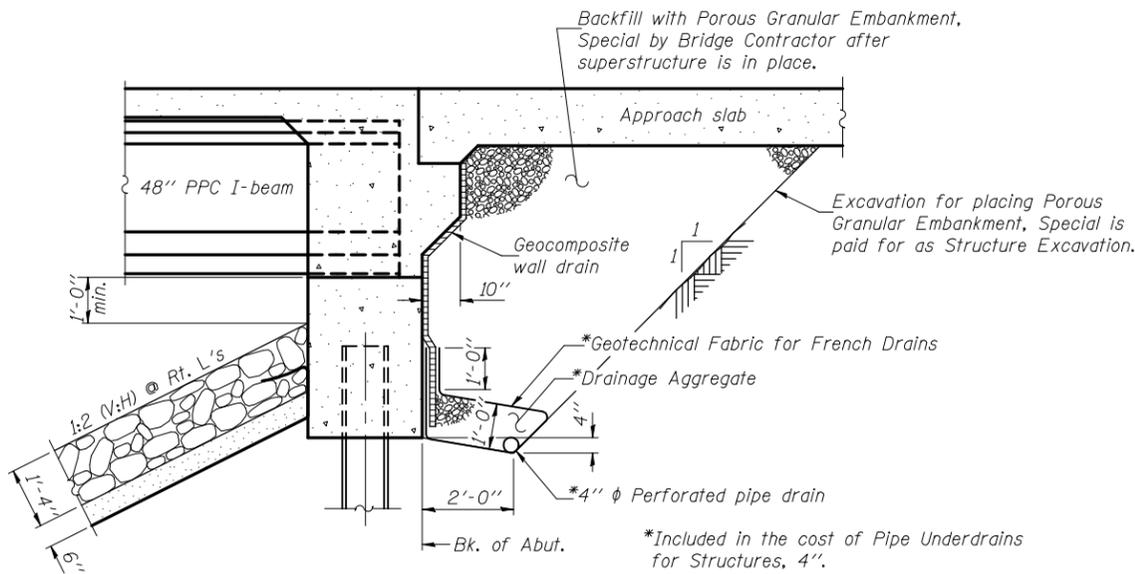


STAGE II REMOVAL



STAGE II CONSTRUCTION

Notes: Hatched areas indicate removal of existing concrete structure. For quantity of temporary concrete barrier, see Roadway Plans. All cross sections are looking East.



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

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).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		162	162
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		170	170
Floor Drains	Each	12		12
Concrete Structures	Cu. Yd.		54.2	54.2
Concrete Superstructure	Cu. Yd.	231.8		231.8
Bridge Deck Grooving	Sq. Yd.	500		500
Concrete Encasement	Cu. Yd.		4.2	4.2
Protective Coat	Sq. Yd.	590		590
Furnishing and Erecting Precast Prestressed Concrete I Beams, 48"	Foot	531		531
Reinforcement Bars, Epoxy Coated	Pound	52230	5460	57690
Bar Splicers	Each	550	18	568
Furnishing Steel Piles HP10x42	Foot		300	300
Driving Piles	Foot		300	300
Test Pile Steel HP10x42	Each		2	2
Temporary Soil Retention System	Sq. Ft.		908	908
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		82	82
Pipe Underdrains for Structures, 4"	Foot		143	143

**GENERAL DATA &
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 001-0507**

DESIGNED	Phillip E. Coppernoll
CHECKED	Justin T. Belue
DRAWN	h.t. duong
CHECKED	PEC/JTB

EXAMINED	December 6, 2010
PASSED	Thomas J. Domagala ENGINEER OF BRIDGE DESIGN
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	745	107B-1	ADAMS	86	36
21 SHEETS	CONTRACT NO. 72B98				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					