

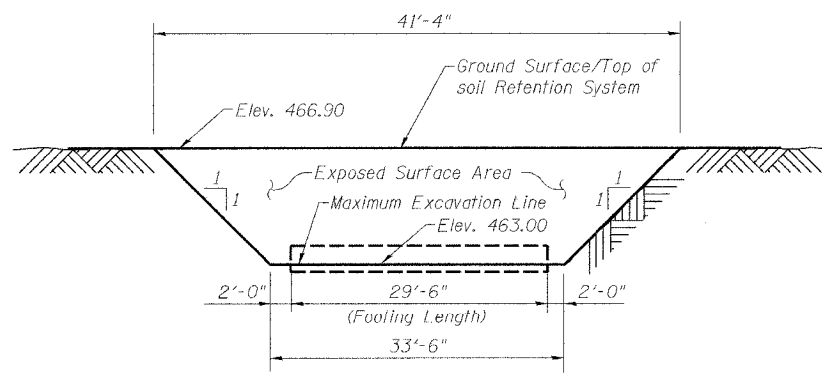
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2 33 SHEETS
FAI 57	(X1-6-2)HBK	Williamson	272	137	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 98994

GENERAL NOTES

- The Contractor shall drive 1 test pile at each abutment, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- The Contractor shall drive test piles to 110% of the nominal required bearing specified in permanent locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- The Steel H-piles shall be according to AASHTO M270 Grade 50.
- Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60 (IL Modified) See Special Provisions.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- Slope wall shall be reinforced with welded wire fabric, 6"x6"-W4.0xW4.0, weighing 58 lbs. per 100 sq. ft.
- In addition to all other requirements of Section 512 of the Standard Specifications, splices for HP12x63 piles shall develop the full capacity of the steel cross sectional area of the pile for tension, shear and bending forces. One approved method of achieving this requirement is full penetration butt welding of the entire cross section. Other types of splices meeting full capacity requirements may be allowed subject to the approval of the Engineer. Any proposal by the Contractor to use an alternate splice method must include adequate documentation that the full tension, shear and bending capacities will be met. Appropriate welder qualifications will be required for the positions and processes used in splicing all piles. Nondestructive testing of completed welds will be limited to visual inspection.

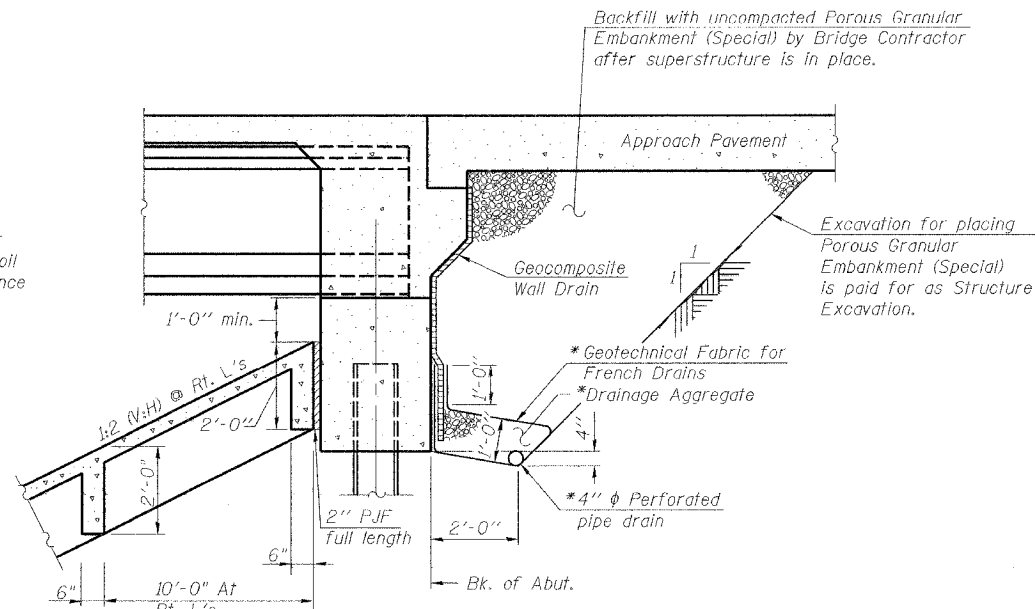


SECTION B-B

TEMPORARY SOIL RETENTION SYSTEM

Top of Rock Approx. Elev. 463.00

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.



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains 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).

STATION 34+69.21
BUILT 200 BY
STATE OF ILLINOIS
F.A.I. 57 SEC. (X1-6-2)HBK
LOADING HS20
STR. NO. 100-0092

NAME PLATE

See Std. 515001
See Sheets 1 and 26
of 33 for location.

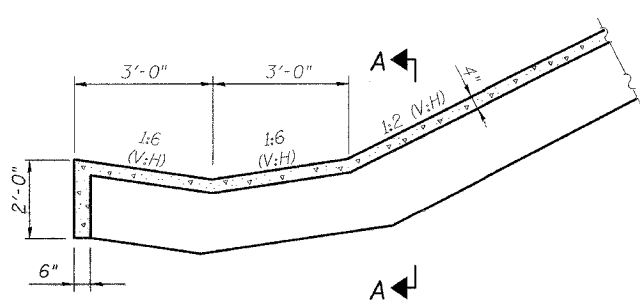
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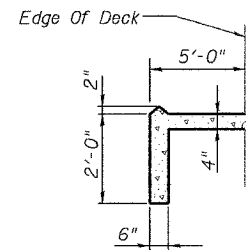
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
Porous Granular Embankment (Special)	Cu. Yd.		203.2	203.2
Structure Excavation	Cu. Yd.		442.9	442.9
Driving Piles	Foot		210	210
Concrete Structures	Cu. Yd.		268.7	268.7
Concrete Superstructure	Cu. Yd.	547.4		547.4
Bridge Deck Grooving	Sq. Yd.	1152		1152
Protective Coat	Sq. Yd.	1773		1773
Furnishing and Erecting Precast Prestressed Concrete I-Beams 54"	Foot	2204		2204
Reinforcement Bars, Epoxy Coated	Pound	112,850	53,830	166,680
Slopedwall 4 Inch	Sq. Yd.		502	502
Furnishing Steel Piles HP 12x63	Foot		210	210
Name Plates	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		98.3	98.3
Pipe Underdrains for Structures 4"	Foot		221	221
Bar Splicers	Each	72		72
Test Piles, Steel HP 12x63	Each		2	2
Temporary Soil Retention System	Sq. Ft.		146	146
Bridge Fence Railing	Foot	369		369
Drainage Scuppers, DS-11	Each		2	2
Rock Excavation for Structures	Cu. Yd.		14.7	14.7
Mechanical Splice	Each		180	180
Concrete Encasement	Cu. Yd.		4.0	4.0

GENERAL DATA
MORGAN AVE. OVER I-57
FAI ROUTE 57 - SECTION (X1-6-2)HBK
WILLIAMSON COUNTY
STATION 34+69.21
STRUCTURE NO. 100-0092



SECTION A-A



THOUVENOT, WADE & MOERCHEN, INC.



DESIGNED	ALN
CHECKED	BWP
DRAWN	KPF
CHECKED	ALN/BWP