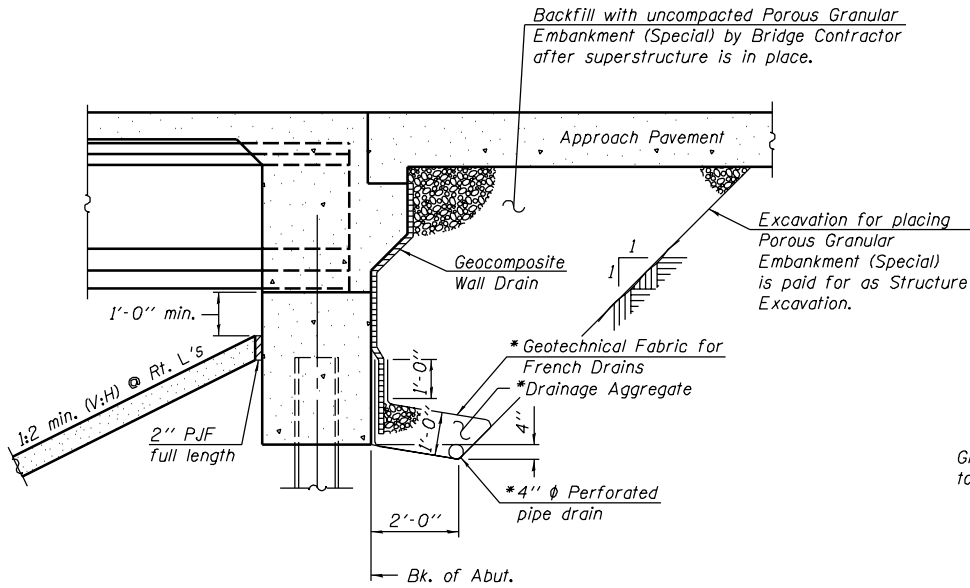


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1671	‡	DOUGLAS	181	87
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3
46 SHEETS

Contract #70258
‡ 22VBR-1 and 144SBR-2



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

* Included in the cost of Pipe Underdrains for Structures, 4".

Notes:

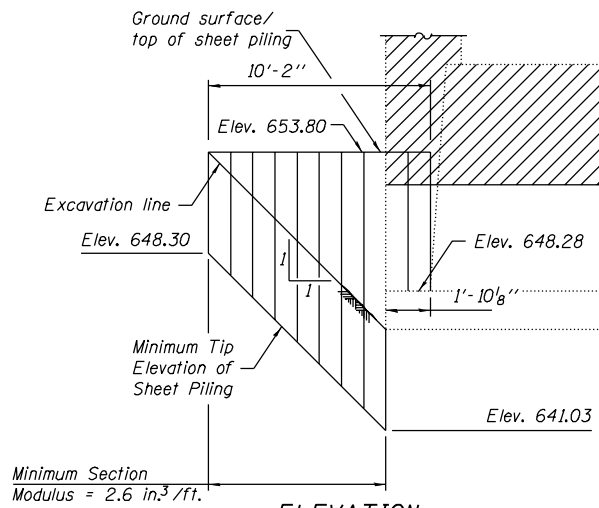
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

CONSTRUCTION SEQUENCE

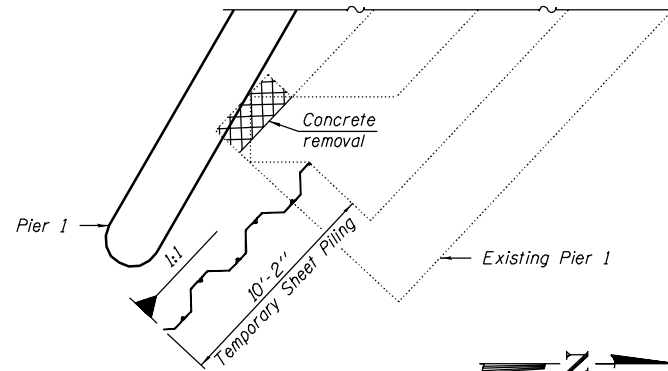
1. Remove the superstructures on both sides of the existing Pier 1.
2. Drive temporary sheeting at the location shown and excavate to the limits shown on the plan and elevation view.
3. Remove the existing substructure per plans and Section 501 of the Standard Specifications.
4. Fill and compact excavation with embankment material per Section 205 of the Standard Specifications.
5. Remove temporary sheeting.

STATION 1151+65.86
BUILT 200 BY
STATE OF ILLINOIS
F.A.S. RT. 1671 SEC. 22VBR-1
LOADING HS20-44
STR. NO. 021-0061

NAME PLATE
See Std. 515001



ELEVATION



PLAN
(at Pier 1)

TEMPORARY SHEET PILING

INDEX OF SHEETS

(for 021-0061)

- 3 General Details
- 4 - 9 Top of Slab Elevations
- 10 Superstructure
- 11 Superstructure Details
- 12 - 13 Diaphragm Details
- 14 Framing Plan
- 15 - 16 42" PPC I Beam
- 17 42" PPC I Beam Details
- 18 Anchor Bolt Details
- 19 South Abutment
- 20 North Abutment
- 21 Abutment Details
- 22 Pier 1
- 23 Pier 2
- 24 Bar Splicer Assembly Details

GENERAL NOTES

The Contractor shall drive three (3) HP 12x53 test piles in a permanent location, one at the South Abutment and one at each pier, and one (1) HP 12x63 test pile in a permanent location at the North Abutment as directed by the Engineer before ordering the remainder of the piles.

Notes:

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

The Contractor shall connect the first sheet to the existing pier wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

STRUCTURE NO. 021-0061
BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		161	161
Removal of Existing Structures No. 2	Each			0.5
Structure Excavation	Cu. Yd.		346	346
Driving Steel Piles	Foot		1815	1815
Concrete Structures	Cu. Yd.		289.8	289.8
Concrete Superstructure	Cu. Yd.	262.9		262.9
Bridge Deck Grooving	Sq. Yd.	673		673
Protective Coat	Sq. Yd.	887		887
Furnishing and Erecting Precast Prestressed Concrete I Beams, 42"	Foot	1195		1195
Reinforcement Bars, Epoxy Coated	Pound	51390	20910	72300
Slopedwall 4"	Sq. Yd.		30	30
Bituminous Coated Aggregate Slopedwall 6"	Sq. Yd.		616	616
Furnishing Steel Piles HP 12x53	Foot		1490	1490
Furnishing Steel Piles HP 12x63	Foot		325	325
Test Pile Steel HP 12x53	Each		3	3
Test Pile Steel HP 12x63	Each		1	1
Temporary Sheet Piling	Sq. Ft.		86	86
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.		86	86
Pipe Underdrains for Structures, 4"	Foot		154	154
Diamond Grinding (Bridge Section)	Sq. Yd.	852		852
Bar Splicers	Each	64		64

GENERAL DETAILS
F.A.S. RT. 1671 - SEC. 22VBR-1
DOUGLAS COUNTY
STATION 1151+65.86
STRUCTURE NO. 021-0061

DESIGNED	Curt M. Evoy
CHECKED	Rebecca L. Tharp
DRAWN	Michael B. Mossman
CHECKED	C.M.E. / R.L.T.

EXAMINED	August 4, 2006
PASSED	Thomas J. Domagala ENGINEER OF BRIDGE DESIGN
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES