

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60 (IL Modified). See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

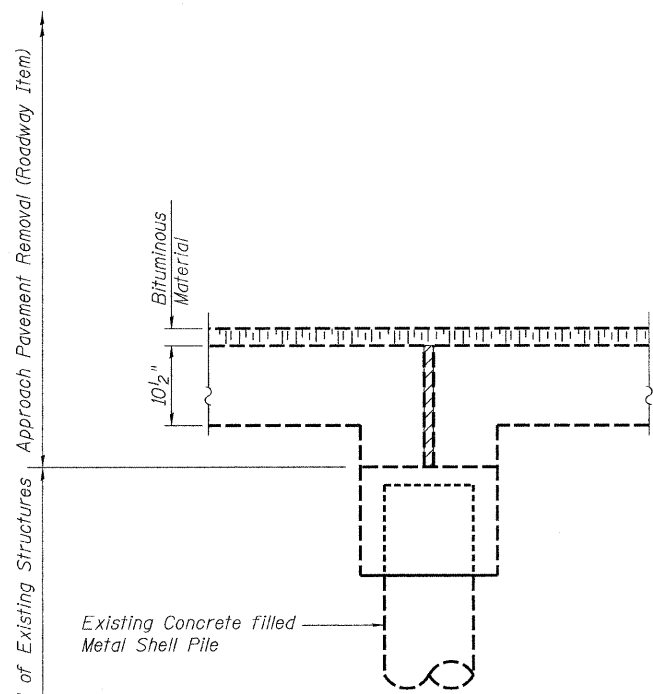
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.

In lieu of the hammer selection criteria and use of the FHWA Modified Gates formula specified in Section 512 of the Standard Specifications, the Contractor shall conduct a wave equation analysis to establish the driving criteria at all pile foundations which specify a nominal required bearing above 600 kips. The analysis and calculations shall be submitted to the Engineer for approval.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water (except cofferdams) that is not identified in the Permanent Construction Permit. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number as shown in the contract plans.

All embedded and separate bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 (as applicable).

The Contractor's attention is directed to the posted load weight limit of 15 tons for vehicles on the existing structure. The contractor's operations shall not exceed the load limit. See Special Provision for "Demolition Plans for Removal of Existing Structures."

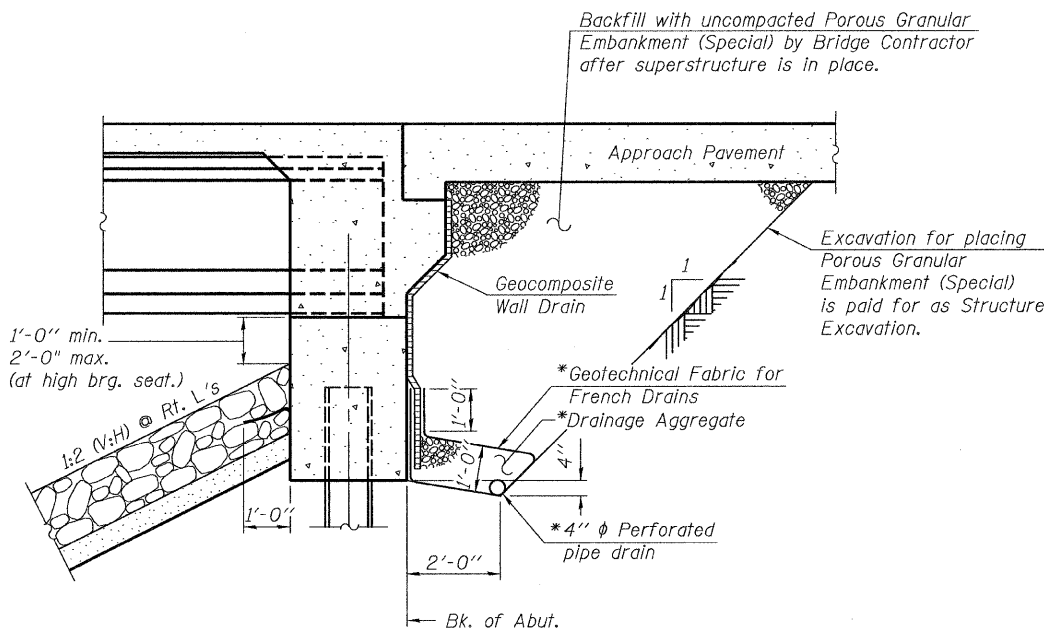


SECTION D-D

(Existing Approach Bent, Typ. on East and West Approach)
Limits of cap and pile removal per Article 501.04.

DESIGNED	SRT
CHECKED	JJI
DRAWN	JSS
CHECKED	JJI

BL Bollinger, Lach & Associates, Inc.



SECTION THRU INTEGRAL ABUTMENT

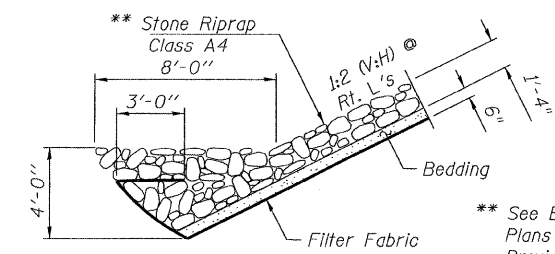
(Horiz. dim. @ Rt. L's)

* Included in the cost of Pipe Underdrains for Structures.

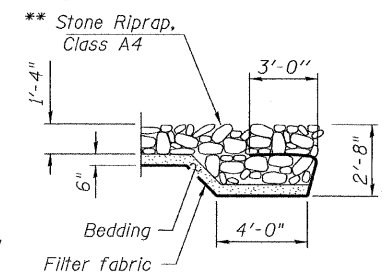
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601.101).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	384	384
Stone Riprap, Class A4	Sq. Yd.	-	2175	2175
Filter Fabric	Sq. Yd.	-	2175	2175
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	282	282
Concrete Structures	Cu. Yd.	-	540.4	540.4
Concrete Superstructure	Cu. Yd.	641.8	-	641.8
Bridge Deck Grooving	Sq. Yd.	1551	-	1551
Concrete Encasement	Cu. Yd.	-	34.6	34.6
Protective Coat	Sq. Yd.	2032	-	2032
Furnishing and Erecting Precast Prestressed Concrete I Beams, 42"	Foot	2544	-	2544
Reinforcement Bars, Epoxy Coated	Pound	140,160	39,160	179,320
Bar Splicers	Each	162	-	162
Aluminum Railing, Type L	Foot	430	-	430
Furnishing Steel Piles HP 14x89	Foot	-	5546	5546
Driving Piles	Foot	-	5546	5546
Test Pile Steel HP 14x89	Each	-	4	4
Pile Shoes	Each	-	62	62
Temporary Soil Retention System	Sq. Ft.	-	-	1002
Name Plates	Each	-	-	1
Geocomposite Wall Drain	Sq. Yd.	-	164	164
Pipe Underdrains for Structures, 4"	Foot	-	248	248
Cofferdam (Pier 1)	Each	-	1	1
Cofferdam (Pier 2)	Each	-	1	1
Cofferdam Excavation	Cu. Yd.	-	444	444
Controlled Low-Strength Material	Cu. Yd.	-	65.7	65.7



SECTION A-A



SECTION B-B

STATION 102+84.62
BUILT BY
STATE OF ILLINOIS
FAU RT. 1312 SEC. 0707-B
LOADING HL93
STRUCTURE NO. 016-2858

NAME PLATE
See Std. 515001

GENERAL NOTES, TOTAL BILL OF MATERIAL AND INDEX OF SHEETS

EMERSON STREET OVER
NORTH SHORE CHANNEL
(PUBLIC BODY OF WATER)
F.A.U. ROUTE 1312 SECTION 0707-B
COOK COUNTY STA. 102+84.62
STRUCTURE NUMBER 016-2858

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	General Plan
2	Total Bill Of Material, General Notes, Index of Sheets, Riprap Details, Abut Typ Section & Name Plate, Footing Layout
3	Temporary Soil Retention System, Sewer Details & Footing Layout
4	Top of Slab Elevations
5	Top of Slab Elevations
6	Top of Slab Elevations
7	Top of Slab Elevations
8	Top of Slab Elevations
9	Bridge Approach Top of Slab Elevations
10	Superstructure Plan
11	Superstructure Cross Sections
12	Sidewalk Plans & Parapet Elevations
13	Abutment Diaphragm & Details
14	Pier Diaphragm & Details
15	Super. Bar List, Parapet Jt. Details, Light Pole Details
16	Aluminum Railing, Type L (R-20)
17	Framing Plan
18	42" PPC I-Beam (Spans 1 & 3)
19	42" PPC I-Beam (Span 2)
20	42" PPC I-Beam Details
21	West Abutment-Plan & Elev. Sect.
22	East Abutment-Plan & Elev. Sect.
23	Pier 1
24	Pier 2
25	Pier Details & Bar Lists
26	H-Piles (F-HP)
27	Bar Splicer Assembly Details
28	Boring Logs
29	Boring Logs
30	Boring Logs
31	Boring Logs
32	Approach Pavement Details