

GENERAL NOTES

Fasteners shall be high strength bolts.
Bolts 7/8" ϕ , open holes 5/16" ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 115,016 lbs.

Field welding of construction accessories will not be permitted to beams or girders.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges and webs.

Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322, Grade 60.

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

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/2" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.

The contractor shall drive (1) Steel HP 14x73 test pile in a permanent location at each abutment as directed by the Engineer before ordering the remainder of piles.

All construction joints shall be bonded.

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. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR State Wide Permit number 12 which was issued for the permanent construction.

The Inorganic zinc rich primer / Acrylic / Acrylic paint system shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell No. 5B 7/1. See special provision for "Cleaning and Painting New Metal Structures".

The information shown in these plans concerning the type and location of utilities is not guaranteed to be accurate or all-inclusive. The Contractor is responsible for making his own determination as to the existence or type, size and location of all underground and overhead utilities as may be necessary to avoid conflict with construction operations and/or damage to the utility.

Metra's signal department must locate any buried cables in the vicinity prior to construction.

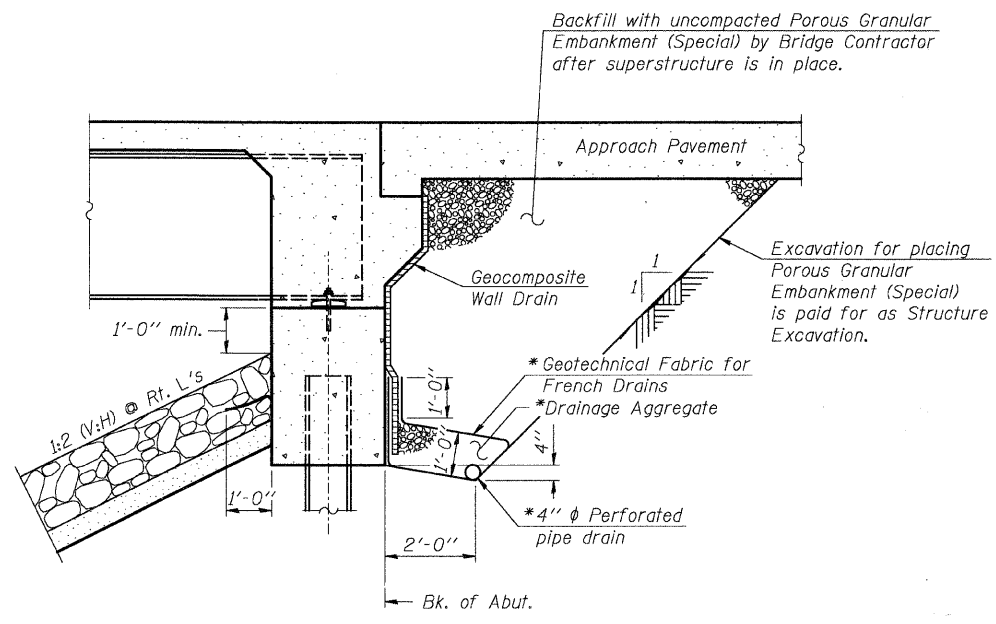
Excavation plans and calculations for work within Metra's right of way shall be submitted to Metra for review prior to start of construction. The cost for this work shall be included in "Structure Excavation."

The contractor must obtain a right of entry agreement with Metra as noted in the special provisions.

The contractor shall schedule and coordinate railroad flagger protection as outlined in section 107.12 of the Standard Specifications.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	155	155
Stone Riprap, Class A4	Sq. Yd.	-	542	542
Filter Fabric	Sq. Yd.	-	542	542
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	344	344
Floor Drains	Each	10	-	10
Concrete Structures	Cu. Yd.	-	42.1	42.1
Concrete Superstructure	Cu. Yd.	169.8	-	169.8
Bridge Deck Grooving	Sq. Yd.	445	-	445
Concrete Encasement	Cu. Yd.	-	6.6	6.6
Protective Coat	Sq. Yd.	586	-	586
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	1,926	-	1,926
Reinforcement Bars, Epoxy Coated	Pound	34,990	5,920	40,910
Bar Splicers	Each	80	-	80
Furnishing Steel Piles HP 14x73	Foot	-	768	768
Driving Piles	Foot	-	768	768
Test Pile Steel HP 14x73	Each	-	2	2
Pile Shoes	Each	-	14	14
Anchor Bolts, 1"	Each	24	-	24
Name Plates	Each	1	-	1
Geocomposite Wall Drain	Sq. Yd.	-	78	78
Pipe Underdrains for Structures, 4"	Foot	-	168	168



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).

DESIGNED	KMA
CHECKED	AEU
DRAWN	WJH
CHECKED	RGD

COMPANY NAME: SEC GROUP, INC.
 PROJECT: CEDAR ROAD OVER
 CLIENT: WILL COUNTY
 DATE: 4-10-2009

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WILL COUNTY DEPARTMENT OF HIGHWAYS
 GENERAL NOTES & TOTAL BILL OF MATERIALS
 CEDAR ROAD OVER
 JACKSON CREEK
 WILL COUNTY
 SECTION NO. 01-00056-15-BR
 STRUCTURE NO. 099-3381
 DATE 4-10-2009