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GENERAL NOTES

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts - 7/8 in. ϕ , holes - 15/16 in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel:
Grade 50 = 1,346,830 pounds
Grade 36 = 149,390 pounds (includes wt. of bolts)
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of the abutment backwalls, bridge seats, and front faces of pile caps, and all exposed surface areas of the pier.
- 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 interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5G 4/8.
- All work to be done on or adjacent to the CTA's right-of-way will require a work plan submitted by the General Contractor to CTA for review and approval prior to the start of work. The Contractor must provide a five (5) week look-ahead schedule to the CTA Rail Operations Department. Shoring or support of excavation adjacent to the CTA right-of-way shall be designed by an Illinois licensed S.E. General contractor to submit signed and sealed ERS drawings and calculations to CTA for review and approval prior to the start of work. See the special provision "CTA Coordination".

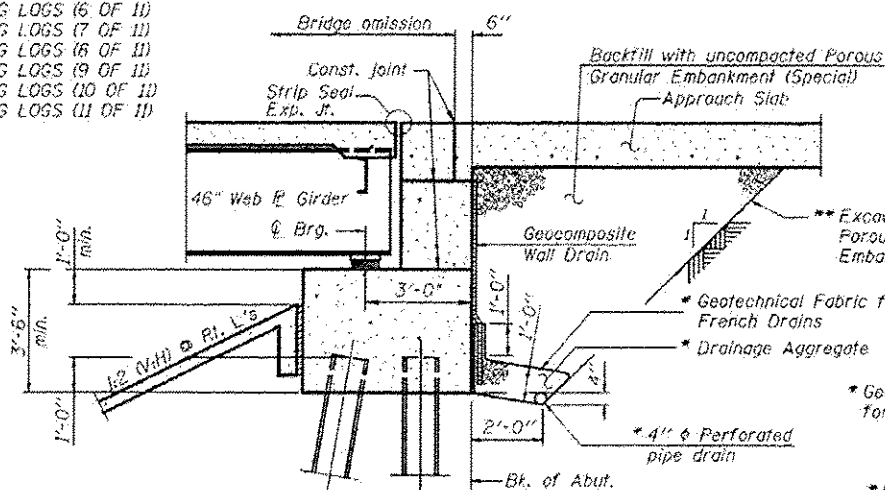
- The existing bridge railing shall be salvaged and delivered to IDOT's maintenance facility at the following address:
1101 Biesterfeld Road, Elk Grove Village, IL 60007
Cost to be included with Removal of Existing Structures.

STATION 117+78.10
BUILT 2014 BY
STATE OF ILLINOIS
IL RT. 171 SEC. 1616B
LOADING HL-93
STR. NO. 016-1250

NAME PLATE
See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	EACH	1		1
Slope Wall Removal	SQ YD		831	831
Protective Shield	SQ YD	2,530		2,530
Structure Excavation	CU YD		4,206	4,206
Concrete Structures	CU YD		1,602.8	1,602.8
Concrete Superstructure	CU YD	660.3		660.3
Bridge Deck Grooving	SQ YD	4,176		4,176
Concrete Encasement	CU YD		14.0	14.0
Protective Coat	SQ YD	5,369		5,369
Furnishing and Erecting Structural Steel	L SUM	1		1
Stud Shear Connectors	EACH	22,500		22,500
Reinforcement Bars, Epoxy Coated	POUND	351,280	259,290	610,570
Bar Splacers	EACH	2,038	796	2,834
Mechanical Splacers	EACH		504	504
Bridge Fence Railing	FOOT	645		645
Slope Wall 4"	SQ YD		562	562
Furnishing Steel Piles, HP12x53	FOOT		7,308	7,308
Driving Piles	FOOT		7,308	7,308
Test Pile Steel, HP 12x53	EACH		4	4
Name Plates	EACH	1		1
Permanent Casing	FOOT		1,093	1,093
Drilled Shaft In Soil	CU YD		389.5	389.5
Drilled Shaft In Rock	CU YD		44.0	44.0
Performed Joint Strip Seal	FOOT	282		282
Elastomeric Bearing Assembly, Type I	EACH	40		40
Anchor Bolts, 1"	EACH	80		80
Anchor Bolts, 1 1/2"	EACH	40		40
Concrete Sealer	SQ FT		12,025	12,025
Geocomposite Wall Drain	SQ YD		841	841
Pile Extraction	EACH		96	96
Barrier Wall Removal	FOOT		185	185
Graced Excavation	CU YD		87	87
Porous Granular Embankment, Special	CU YD		1,047	1,047
Bridge Deck (Shrinkage Reducing Admixture)	CU YD	966.6		966.6
Concrete Barrier Wall (Special)	FOOT		47	47
Drainage Scuppers, DS-12	EACH	10		10
Drainage System	L SUM	1		1
Silicone Joint Sealer, 1"	FOOT	335		335
Temporary Sheet Piling	SQ FT		1,248	1,248
Pipe Underdrains For Structures, 4"	FOOT		430	430
Temporary Soil Retention System	SQ FT		1,908	1,908



*Included in the cost of "Pipe Underdrains for Structures"
**Paid for as "Structure Excavation"

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

Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment

Porous Granular Embankment (Special)
Over excavation behind the limits of structure excavation. This area not measured for payment

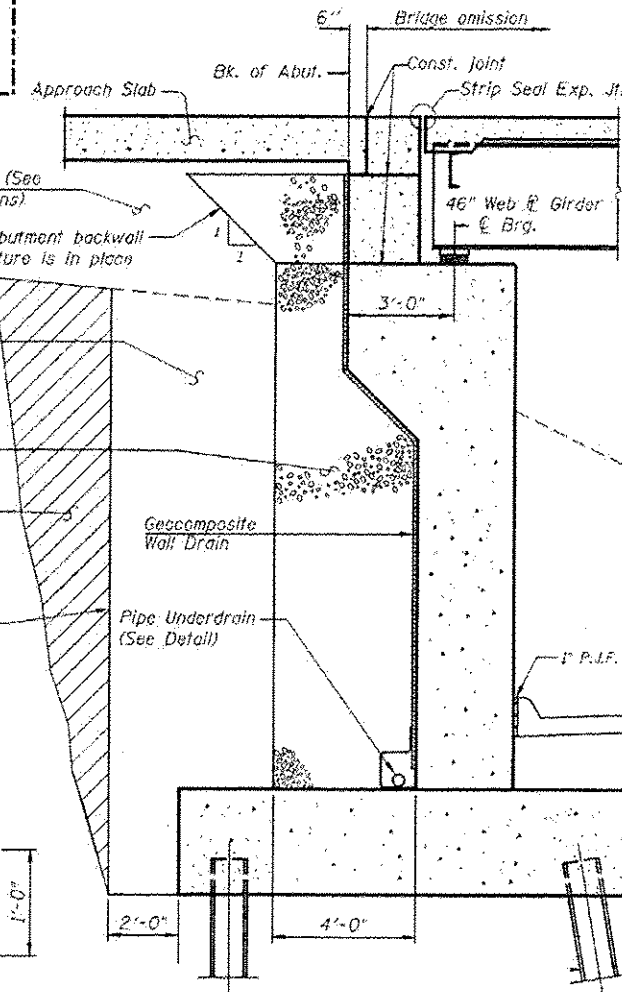
Limits of Structure Excavation

**Excavation for placing Porous Granular Embankment (Special)

*Geotechnical Fabric for French Drains
*Drainage Aggregate

*Geocomposite Fabric for French Drains
*Drainage Aggregate
*Perforated Pipe Underdrain, 4"

PIPE UNDERDRAIN DETAIL



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

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 pipe shall drain into concrete headwalls. See Article 601.05 of the Standard Specifications and Highway Standard 601101.