

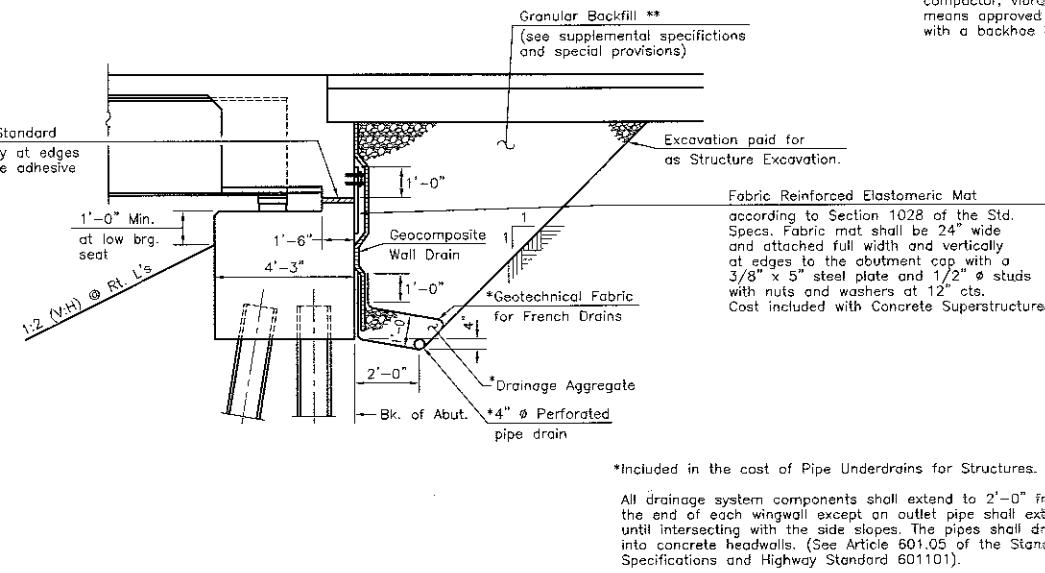
GENERAL NOTES

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 Type 3 in unpainted areas. Bolts 7/8 in. dia., holes 15/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel = M270 GR50 105710
- All structural steel shall be AASHTO M 270 Grade 50W.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designed (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 18 in. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirement, Zone 2.
- Exposed surfaces of bearings shall be painted as specified in Section 506 of the Standard Specifications.
- Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.
- Existing name plate shall be cleaned and relocated next to new name plates. Cost included with Name Plates.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Granular Backfill for Structures	Cu. Yd.	-	153	153
Stone Riprap, Class A4	Sq. Yd.	-	682	682
Filter Fabric	Sq. Yd.	-	682	682
Removal of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu. Yd.	-	19.1	19.1
Structure Excavation	Cu. Yd.	-	158	158
Concrete Structures	Cu. Yd.	-	16.2	16.2
Concrete Superstructure	Cu. Yd.	179.7	-	179.7
Bridge Deck Grooving	Sq. Yd.	697	-	697
Protective Coat	Sq. Yd.	697	-	697
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	3024	-	3024
Reinforcement Bars	Pound	-	1830	1830
Reinforcement Bars, Epoxy Coated	Pound	54180	160	54340
Mechanical Splicers	Each	-	32	32
Steel Railing, Type SM	Foot	451	-	451
Name Plates	Each	1	-	1
Elastomeric Bearing Assembly, Type I	Each	12	-	12
Anchor Bolt, 1"	Each	24	-	24
Anchor Bolt, 1 1/4"	Each	8	-	8
Geocomposite Wall Drain	Sq. Yd.	-	76	76
Pipe Underdrains for Structures, 4"	Foot	-	134	134

CHAMBLIN & ASSOCIATES, INC. © 2018
Drawing Name: G:\Users\1111158-00-BRACEVILLE-ROAD-BRIDGE\CAD\3D\Y... - PLANS\1-PRELIMINARY\012 - 002 - GENERAL DATA\3D\Last Modified: Jul 16, 2018 - 11:04am by wncv
11:03am Plotted on: Jul 16, 2018 - 11:04am



** The material shall be placed in lifts of 6" and shall be compacted with vibrating plate compactor, vibrating roller or other vibrating means approved by the Engineer. Compaction with a backhoe bucket is not acceptable.

2" PJF (per Article 1051.09 of the Standard Specifications) full width and vertically at edges bonded to abutment cap with suitable adhesive as recommended by supplier.

Fabric Reinforced Elastomeric Mat according to Section 1028 of the Std. Specs. Fabric mat shall be 24" wide and attached full width and vertically at edges to the abutment cap with a 3/8" x 5" steel plate and 1/2" studs with nuts and washers at 12" cts. Cost included with Concrete Superstructures.

*Included in the cost of Pipe Underdrains for Structures.
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).

SECTION THRU SEMI-INTEGRAL ABUTMENT

DRAWN BY: LAG	LEVEL	BY	DATE	REVISIONS	DESCRIPTION
CHECKED BY: JKC	JKC	JKC	06/18	Stud Quantity	
DATE: 02/2017	JKC	JKC	07/18	Revised notes 2 & 13	

CHAMBLIN & ASSOCIATES, INC.
PERU MORRIS
ILLINOIS

BRACEVILLE ROAD
SECTION 16-00158-00-BR
GRUNDY COUNTY

GENERAL DATA
STRUCTURE NO. 032-3260
SHEET 2 OF 17

CONSTRUCTION PLANS

CURRENT AS OF: 07/18/2018	SHEET 12
SCALE: AS NOTED	OF 46
FILE NO.: 111158.00 Y-	

CONTRACT NO. 87642