



SECTION THRU INTEGRAL ABUTMENT

*Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)

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).

STATION 511+50.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 717
SEC. (102B-1, 102CR, 102BR-2)RS-5
LOADING HL-93
STRUCTURE NO. 054-0515

NAME PLATE

See Std. 515001

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. ϕ , holes 15/16 in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 150,960 lbs.

All structural steel shall be AASHTO M 270 Grade 50W.

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 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 1'-6". 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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		205	205
Removal of Existing Structures No. 2	Each			1
Granular Backfill for Structures	Cu. Yd.		119	119
Concrete Structures	Cu. Yd.		103.4	103.4
Concrete Superstructure	Cu. Yd.	278.1		278.1
Protective Coat	Sq. Yd.	825		825
Bridge Deck Grooving	Sq. Yd.	639		639
Stud Shear Connectors	Each	2430		2430
Reinforcement Bars, Epoxy Coated	Pound	61,610	15,150	76,760
Name Plates	Each	1		1
Furnishing and Erecting Structural Steel	L. Sum	1		1
Pipe Underdrains for Structures, 4"	Foot		145	145
Geocomposite Wall Drain	Sq. Yd.		66	66
Anchor Bolts, 1"	Each	36		36
Stone Riprap, Class A5	Sq. Yd.		1084	1084
Filter Fabric	Sq. Yd.		1043	1043
Floor Drains	Each	12		12
Furnishing Metal Shell Piles 14" x 0.250"	Foot		310	310
Furnishing Steel Piles HP 12 x 63	Foot		380	380
Driving Piles	Foot		690	690
Test Pile Metal Shells	Each		2	2
Test Pile Steel HP 12 x 63	Each		1	1
Pile Shoes	Each		12	12
Asbestos Bearing Pad Removal	Each		22	22
Concrete Encasement	Cu. Yd.		2.1	2.1

FILE NAME = 72B82-002-gen_data.dgn
CB PROJECT NO. 07084-B

Coome-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -
Design Firm License No. 184-002703

USER NAME = .MML.	DESIGNED AMC	REVISED -
	CHECKED MCB	REVISED -
PLOT SCALE = 0:2.0000 '1' / IN.	DRAWN MML	REVISED -
PLOT DATE = 10/23/2013	CHECKED MCB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 054-0515**

SHEET NO. 2 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
717	(102B-1, 102CR, 102BR-2)RS-5	LOGAN	218	56
CONTRACT NO. 72B82				
ILLINOIS FED. AID PROJECT				