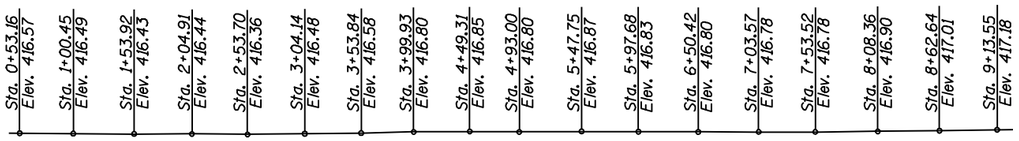


PROFILE GRADE K.C.S. R.R.

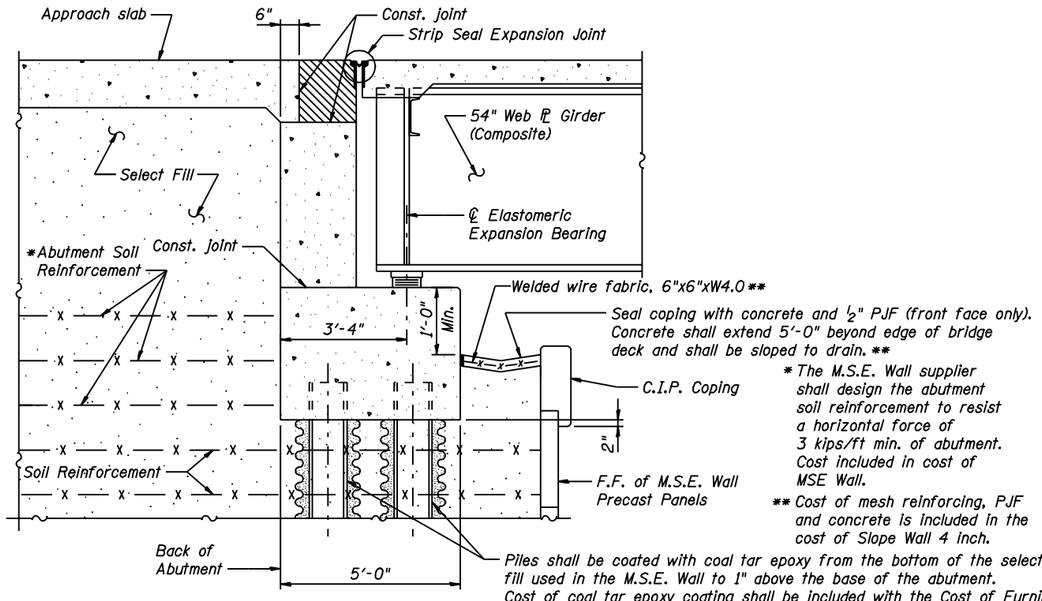
(Top of Rail along ℄ Tracks)

PROFILE GRADE U.P. WEST R.R.

(Top of Rail along ℄ Tracks)

PROFILE GRADE U.P. EAST R.R.

(Top of Rail along ℄ Tracks)



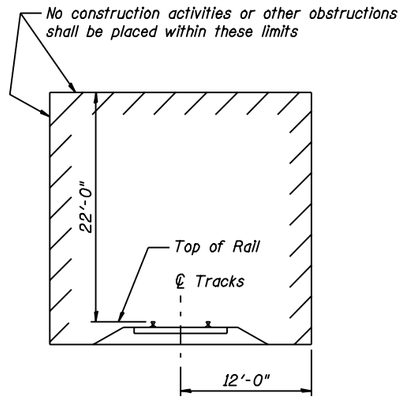
* The M.S.E. Wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 3 kips/ft min. of abutment. Cost included in cost of MSE Wall.

** Cost of mesh reinforcing, PJF and concrete is included in the cost of Slope Wall 4 inch.

SECTION THRU ABUTMENT

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

INDEX OF SHEETS



CONSTRUCTION CLEARANCE DIAGRAM

(Horiz. Dim. at Rt. L's to ℄ Track)

TOTAL BILL OF MATERIAL

ITEM	UNIT	N.B. ROADWAY SN 082-0334		S.B. ROADWAY SN 082-0335		TOTAL
		SUPER	SUB	SUPER	SUB	
Structure Excavation	Cu. Yd.		2,146		2,116	4,262
Concrete Structures	Cu. Yd.		969.4		969.4	1,938.8
Concrete Superstructure	Cu. Yd.	665.5		606.7		1,272.2
Bridge Deck Grooving	Sq. Yd.	1,578		1,400		2,978
Protective Coat	Sq. Yd.	2,329		2,098		4,427
Furnishing and Erecting Structural Steel	L. Sum	0.4		0.3		0.7
Stud Shear Connectors	Each	5,460		5,355		10,815
Reinforcement Bars, Epoxy Coated	Pound	184,850	144,270	169,630	144,270	643,020
Bar Splicers	Each		86		86	172
Mechanical Splicers	Each		208		208	416
Slope Wall 4 Inch	Sq. Yd.		120		38	158
Furnishing Metal Shell Piles 14"x0.312"	Foot		4,379.0		5,030.0	9,409.0
Furnishing Steel Piles HP14x73	Foot		2,660.0		2,640.0	5,300.0
Driving Piles	Foot		7,039.0		7,670.0	14,709.0
Test Pile Metal Shells	Each		2		2	4
Test Pile Steel HP14x73	Each		2		2	4
Pile Shoes	Each		95		95	190
Name Plates	Each	1		1		2
Preformed Joint Strip Seal	Foot	88.6		88.6		177.2
Elastomeric Bearing Assembly, Type II	Each	10		10		20
Anchor Bolts, ¾"	Each	20		20		40
Anchor Bolts, 2"	Each	20		20		40
Concrete Sealer	Sq. Ft.		861		860	1,721
Concrete Gutter, Type B	Foot		212		212	424
Chain Link Fence, 5'	Foot		212		212	424
Aggregate Column Ground Improvement	L. Sum		0.50		0.50	1
Drainage Scuppers, DS-11	Each	4		4		8
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.		4,053		4,053	8,106
Pipe Underdrain for Structures 4"	Foot		313		312	625
Bridge Fence Railing (Special)	Foot	851		762		1,613

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts ⅞ in. ϕ. holes 15/16 in. ϕ unless otherwise noted.

Calculated weight of Structural Steel: Grade 50 = 922,010 lbs, Grade 36 = 78,760 lbs.

All structural steel shall be AASHTO M270 Grade 50 unless otherwise noted.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specification. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of these additional bracket locations.

Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of ⅛ 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 North and South Abutments.

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 gray, Munsell No. 5B 7/1.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments. Embankment construction shall be coordinated with MSE Wall construction.

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

Slip-forming of parapets is not allowed.

The elevations of the existing top of rail shall be verified prior to beginning construction.

Proposed Structures do not change the quantity or characteristics of the flow in the railway ditches or drainage structures.

See Sheet C7 for additional railroad notes.

JACOBS

USER NAME =	DESIGNED - D. HOWELL	REVISED - 02/06/13	
	CHECKED - R. RILEY	REVISED -	
PLOT DATE = 25-JAN-2013	DRAWN - C. SALLADE	REVISED -	
FILE NAME=0820334-76848-002-Structure Data.dgn	CHECKED - R. RILEY	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL STRUCTURE DATA
STRUCTURE NO. 082-0334 (N.B.) & 082-0335 (S.B.)
SHEET NO. C2 OF 76 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
788	520-1-2HVB	ST. CLAIR	237	59
		CONTRACT NO. 76848		
		ILLINOIS FED. AID PROJECT		