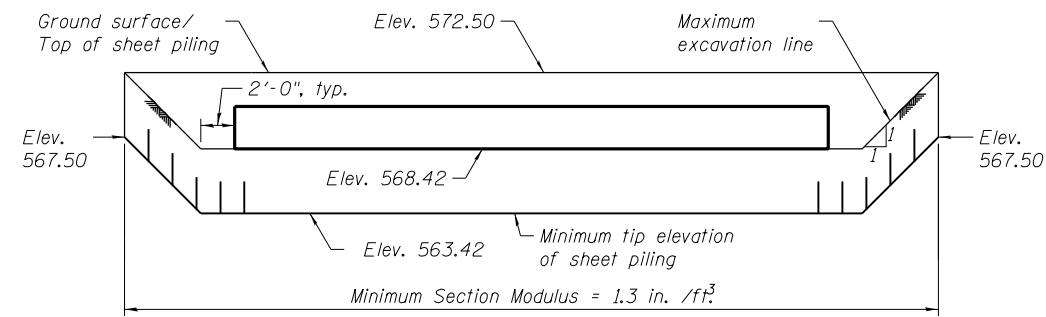


**GENERAL NOTES**

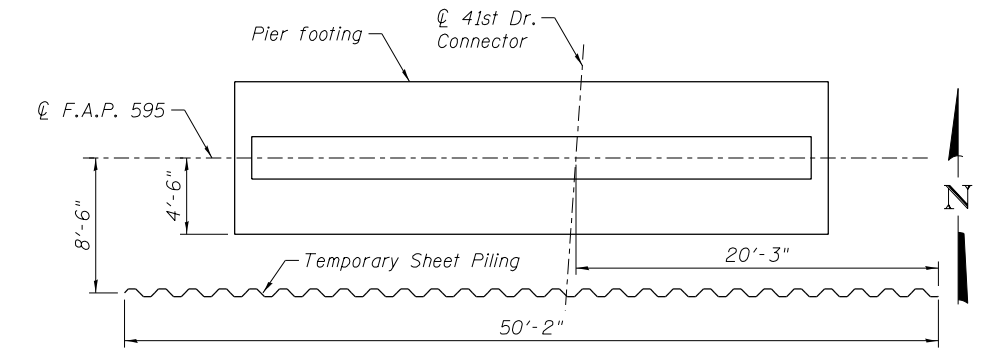
- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. dia., holes 15/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel = 205,180 lb. (Grade 50)  
20,270 lb. (Grade 36)
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance 1/8" (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 Pier and Abutments.
- The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. 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 Blue, Munsell No. 10B 3/6.
- Slip forming of parapets will not be allowed.

**INDEX OF SHEETS**

- General Plan and Elevation
- General Data & Substructure Layout
- Top of Slab Elevations - 1
- Top of Slab Elevations - 2
- Top of North Approach Slab Elevations
- Top of South Approach Slab Elevations
- Deck Plan & Cross Section
- Superstructure Details - 1
- Superstructure Details - 2
- Bridge Approach Slab Details - 1
- Bridge Approach Slab Details - 2
- Bicycle Railing
- Bridge Fence Railing, Sidewalk Mounted
- Preformed Joint Strip Seal
- Drainage Scupper, DS-11
- Closed Drainage System Details
- Framing Plan and Beam Elevation
- Structural Steel Details
- Bearing Details
- North Abutment
- South Abutment
- Pier
- Bar Splicer Assembly and Mechanical Splicer Details
- HP Pile Details
- Soil Borings Logs 1
- Soil Borings Logs 2
- Soil Borings Logs 3



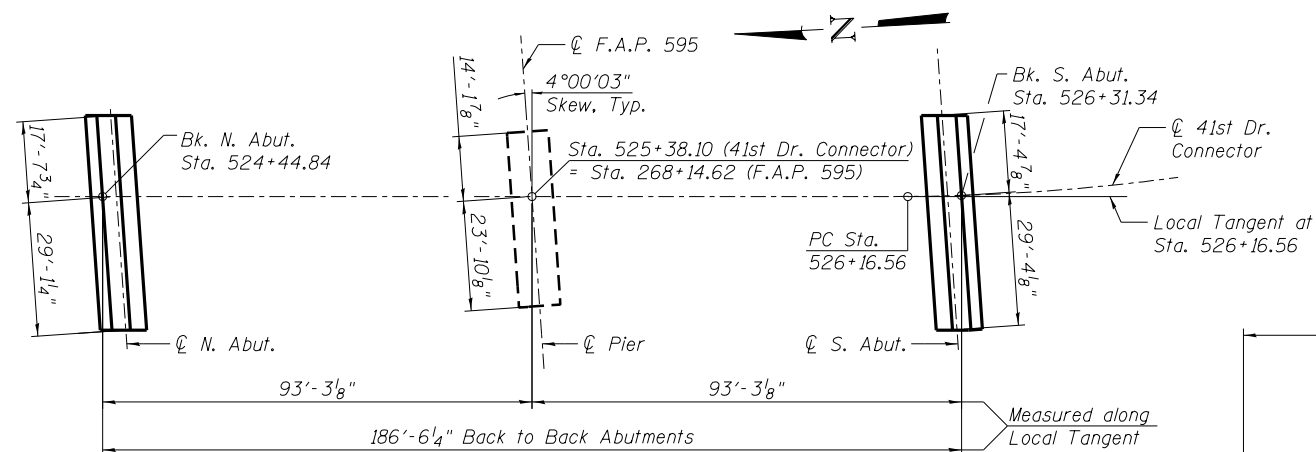
**ELEVATION**



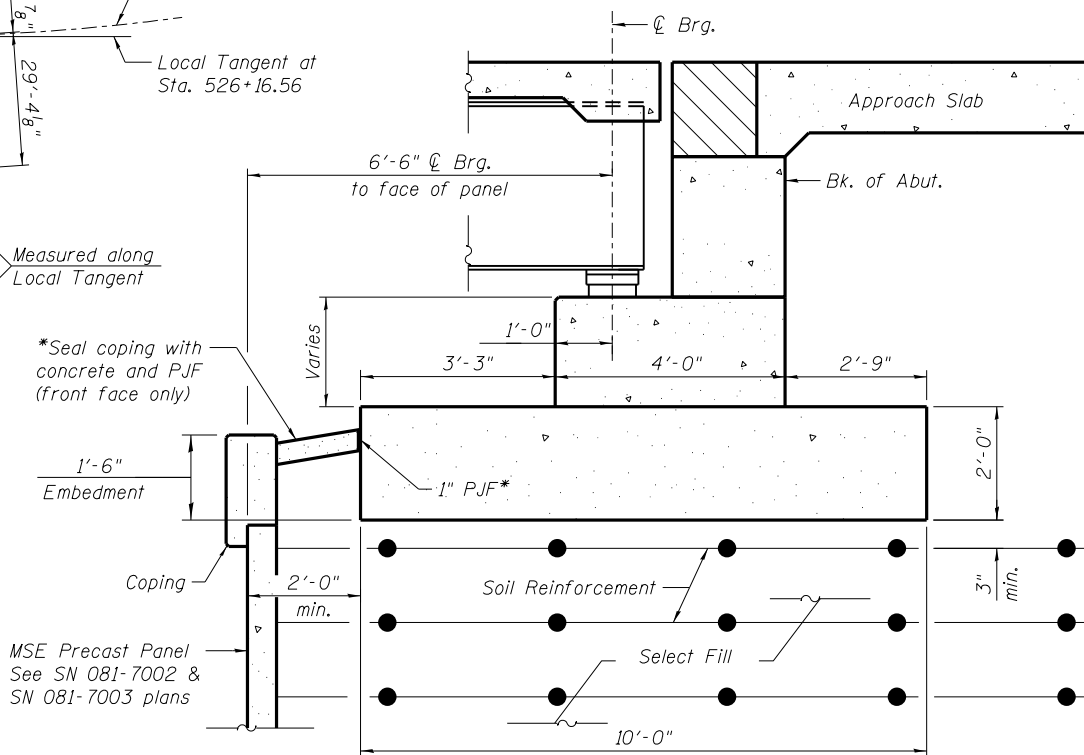
**PLAN**

**TEMPORARY SHEET PILING DETAILS**

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



**FOOTING LAYOUT**



**SECTION THRU SPREAD FOOTING ABUTMENT**

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

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUB	SUPER	TOTAL
Structure Excavation	Cu. Yd.	91		91
Concrete Structures	Cu. Yd.	221.1		221.1
Concrete Superstructure	Cu. Yd.		428.1	428.1
Bridge Deck Grooving	Sq. Yd.	809		809
Protective Coat	Sq. Yd.		1,446	1,446
Furnishing And Erecting Structural Steel	L. Sum.		1	1
Stud Shear Connectors	Each		2,916	2,916
Reinforcement Bars, Epoxy Coated	Pound	28,870	117,150	146,020
Bar Splicers	Each		96	96
Bicycle Railing	Foot		60	60
Bridge Fence Railing (Sidewalk)	Foot		183	183
Parapet Railing	Foot		243	243
Furnishing Steel Piles HP12X63	Foot	320		320
Driving Piles	Foot	320		320
Name Plates	Each		1	1
Preformed Joint Strip Seal	Foot		92	92
Elastomeric Bearing Assembly, Type I	Each		12	12
Anchor Bolts, 1"	Each		24	24
Anchor Bolts, 1 1/4"	Each		12	12
Concrete Sealer	Sq. Ft.	2,458		2,458
Conduit Embedded in Structure, 2" Dia., PVC	Foot		490	490
Breakaway Device, Transformer Base, Special	Each		3	3
Drainage Scuppers DS-11	Each		2	2
Drainage System	L Sum		1	1
Temporary Sheet Piling	Sq. Ft.	439		439

\*The Contractor shall not pour the concrete between the abutment toe and MSE wall coping until the concrete deck has been poured due to settlement of the embankment. Cost included with Concrete Superstructure.

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<p>CONSULTING ENGINEERS 1501 North Cumberland Avenue Suite 202 - Chicago, Illinois 60656 Tel: 773-724-4000 Fax: 773-775-4014 Email: clorba@clorba.com</p>	USER NAME = mteng PLOT SCALE = 0.166667' / 1" PLOT DATE = 3/11/2013	DESIGNED - SMY CHECKED - BWS DRAWN - RD CHECKED - BWS	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA & SUBSTRUCTURE LAYOUT STRUCTURE NO. 081-0176 SHEET NO. S-2 OF S-27 SHEETS	F.A.P. RTE. 595 SECTION (142-1JR & 142-1HB) COUNTY ROCK ISLAND TOTAL SHEETS 507 SHEET NO. 301 CONTRACT NO. 64B84 ILLINOIS FED. AID PROJECT
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