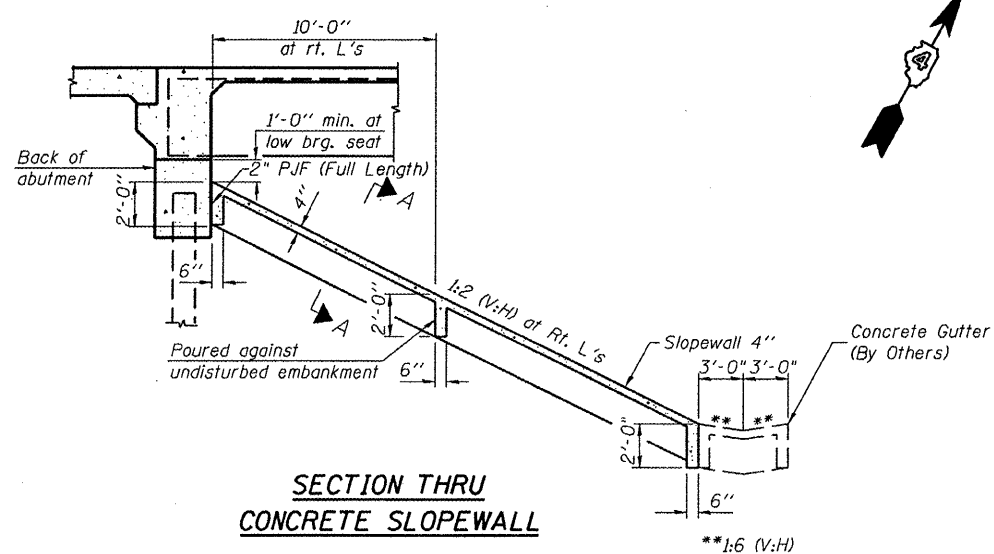


**SECTION THRU INTEGRAL ABUTMENT**  
(Horiz. dim. @ Rt. L's)

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 CONCRETE SLOPEWALL**

Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

**GENERAL NOTES**

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in.  $\phi$ , holes 15/16 in.  $\phi$ , unless otherwise noted.

Calculated weight of Structural Steel = 688,390 lbs. (AASHTO M270 Gr. 50)  
= 66,610 lbs. (AASHTO M270 Gr. 36)

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

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

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.

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 Blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures".

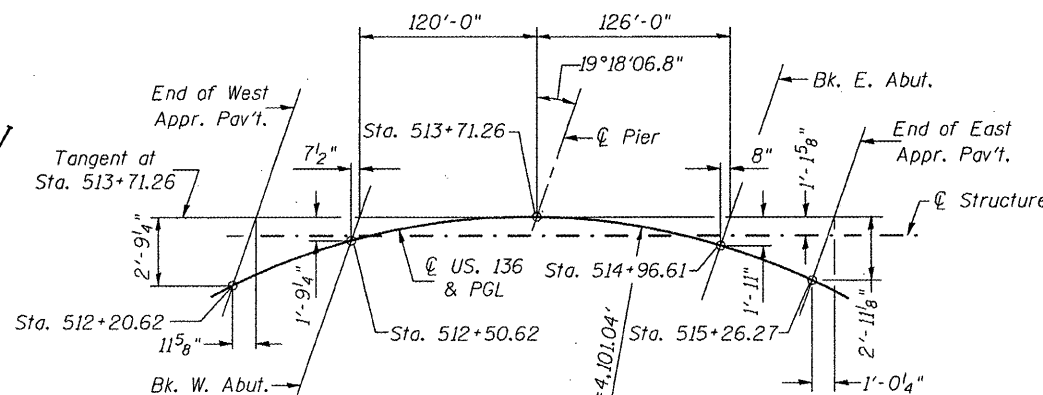
Slipforming of the parapets is not allowed.

**INDEX TO SHEETS**

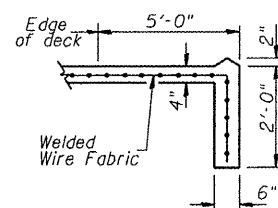
SHEET #'s	DESCRIPTION
1	General Plan and Elevation
2	General Details
3	Footing Layout
4-7	Top of Slab Elevations
8-9	Top of Approach Slab Elevations
10	Superstructure
11-13	Superstructure Details
14	Diaphragm Details
15-18	Approach Slab Details
19	Drainage Scupper Details
20	Framing Plan and Details
21-21A	Structural Steel Details
22	Bearing Details
23	West Abutment
24	West Abutment Details
25	East Abutment
26	East Abutment Details
27	Pier
28	HP Pile Details
29	Bar Splicer Details
30-35	Boring Logs

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	CU YD	—	864	864
Concrete Structures	CU YD	—	376.8	376.8
Concrete Superstructure	CU YD	1,052.3	—	1,052.3
Concrete Encasement	CU YD	—	13.4	13.4
Bridge Deck Grooving	SQ YD	2,392	—	2,392
Protective Coat	SQ YD	3,269	—	3,269
Drainage Scuppers, DS-12 M10	EACH	6	—	6
Floor Drains	EACH	4	—	4
Furnishing and Erecting Structural Steel	L SUM	1	—	1
Reinforcement Bars, Epoxy Coated	POUND	260,730	61,070	321,800
Stud Shear Connectors	EACH	8,736	—	8,736
Anchor Bolts, 1"	EACH	48	—	48
Anchor Bolts, 1 1/4"	EACH	24	—	24
Slope Wall 4"	SQ YD	—	—	993
Name Plates	EACH	—	1	1
Furnishing Steel Piles HP12x53	FOOT	—	3,704	3,704
Driving Piles	FOOT	—	3,704	3,704
Test Pile Steel HP12x53	EACH	—	2	2
Porous Granular Embankment (Special)	CU YD	—	327	327
Bar Splicers	EACH	212	—	212
Pipe Underdrains for Structures 4"	FOOT	—	240	240
Geocomposite Wall Drain	SQ YD	—	209	209



**OFFSET SKETCH**



**SECTION A-A**

**STATION 513+71.26  
BUILT 201- BY  
STATE OF ILLINOIS  
F.A.P. RTE. 315 SEC. 55-3HB  
LOADING HL-93  
STR. NO. 055-0063**

**NAME PLATE**  
(See Std. 515001)

**Hutchison Engineering, Inc.**  
Jacksonville & Shorewood, Illinois

USER NAME = bnebel  
PLOT SCALE = NONE  
PLOT DATE = 10/21/2011

DESIGNED - BAN  
CHECKED - JOH  
DRAWN - TAC  
CHECKED - BAN

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DETAILS  
STRUCTURE NO. 055-0063**

SHEET NO. 2 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
315	55-3HB	McDonough	103	33
			CONTRACT NO. 68A40	
ILLINOIS FED. AID PROJECT				