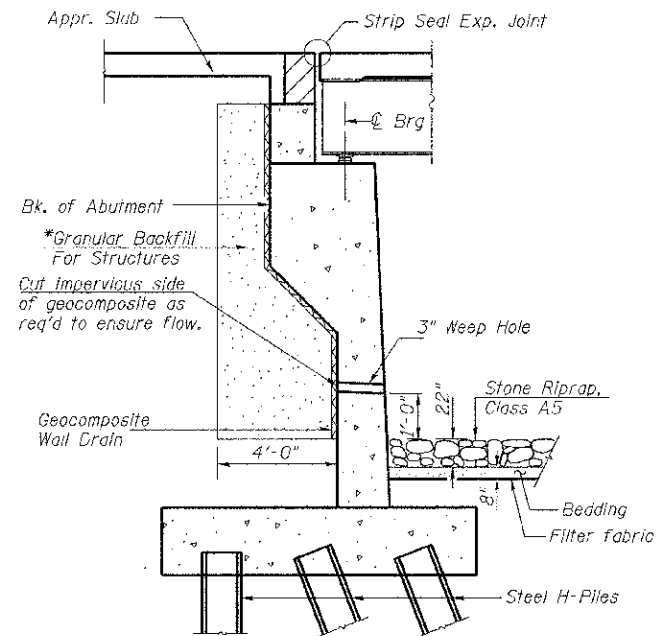
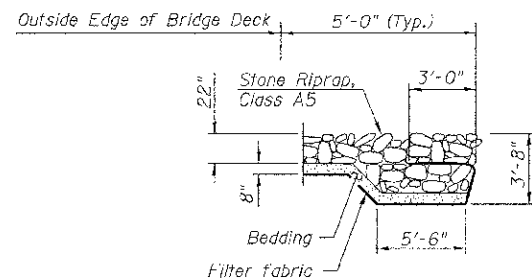


\*Excavation for placing Granular Backfill For Structures is paid for as Cofferdam Excavation.



SECTION THRU ABUTMENT

(Horizontal dimensions are at right angles to abutment)



SECTION A-A

BRIDGE PLANS  
INDEX TO SHEETS

SHEET #'s	DESCRIPTION
1	General Plan
2	General Data
3	Footing Layout
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6	Top of Slab Elevations South Approach Pavement
7	Top of Slab Elevations North Approach Pavement
8	Superstructure
9 - 11	Superstructure Details
12 - 13	Bridge Approach Slab Details
14	Aluminum Railing, Type L
15	Steel Railing, Type SM
16	Preformed Joint Strip Seal Details
17	Framing Plan and Details
18	Structural Steel Details
19	Bearing Details
20	South Abutment
21	South Abutment Footing Plan
22	South Abutment Details
23	North Abutment
24	North Abutment Footing Plan
25	North Abutment Details
26	Piers 1 & 2
27	HP Pile Details
28	Bar Splicer Assembly and Mechanical Splicer Details

GENERAL NOTES

Calculated weight of Structural Steel = 161,930 lbs. (AASHTO M270, Grade 50W). The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All structural steel shall be AASHTO M 270 Grade 50W (except expansion joints which shall be AASHTO M 270 Grade 50).

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 50.

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts (in painted areas and ASTM A325 Type 3 in unpainted areas). Bolts 3/4 in.  $\phi$ , holes 1/8 in.  $\phi$ , unless otherwise noted.

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

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.

Concrete Sealer shall be applied to the designated areas of the abutments.

All structural steel and exposed surfaces of bearings within a distance of 8 ft. each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications.

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 beams shall be Reddish Brown, Munsell No. 2.5 YR 3/4.

The Test Piles shall be driven to 110 percent of the nominal required bearing indicated in the pile data information.

Reinforcement bars designated (F) shall be epoxy coated.

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

Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

For Soil Borings, see Special Provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
① Removal of Existing Structures	EACH	---	---	1
Channel Excavation	CU YD	---	455	455
Cofferdam Excavation	CU YD	---	2,950	2,950
① Cofferdam (Type 2) (Location No. 1)	EACH	---	1	1
① Cofferdam (Type 2) (Location No. 2)	EACH	---	1	1
① Cofferdam (Type 2) (Location No. 3)	EACH	---	1	1
① Cofferdam (Type 2) (Location No. 4)	EACH	---	1	1
Filter Fabric	SQ YD	---	491	491
Stone Riprap, Class A5	TON	---	825	825
Test Pile Steel HP10x42	EACH	---	2	2
Test Pile Steel HP12x53	EACH	---	2	2
Furnishing Steel Piles HP10x42	FOOT	---	3,654	3,654
Furnishing Steel Piles HP12x53	FOOT	---	574	574
Driving Steel Piles	FOOT	---	4,228	4,228
Pile Shoes	EACH	---	134	134
Concrete Structures	CU YD	---	688.2	688.2
Reinforcement Bars, Epoxy Coated	POUND	83,390	73,910	157,300
Concrete Sealer	SQ FT	---	486	486
Furnishing and Erecting Structural Steel	L SUM	1	---	1
Stud Shear Connectors	EACH	4,050	---	4,050
Concrete Superstructure	CU YD	350.2	---	350.2
Preformed Joint Strip Seal	FOOT	88	---	88
Protective Coat	SQ YD	1,074	---	1,074
Bar Splicers	EACH	---	90	90
Geocomposite Wall Drain	SQ YD	---	315	315
① Granular Backfill For Structures	CU YD	---	360	360
Anchor Bolts, 1"	EACH	---	48	48
Elastomeric Bearing Assembly, Type I	EACH	---	12	12
Aluminum Railing, Type L	FOOT	211	---	211
Steel Railing, Type SM	FOOT	219	---	219
Bridge Deck Grooving	SQ YD	762	---	762
Seal Coat Concrete	CU YD	---	188	188
Floor Drains	EACH	28	---	28
Name Plates	EACH	1	---	1

① See Special Provisions

FILE NAME =	USER NAME =	DESIGNED BY	REVISED -	<b>DEKALB COUNTY</b> <b>C.H. 26 (FIVE POINTS RD.)</b> <b>OVER SOUTH BRANCH OF KISHWAUKEE RIVER</b>	<b>GENERAL DATA</b>	RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
V:\2555\CADD SHEETS\STRUCTURES - Rec'd	82-27-2013\2555\022.dgn	DRAWN TAC	REVISED -			CH 26	05-0044-01-BR	DEKALB	49	17	
	PLOT SCALE = NONE	CHECKED CTM	REVISED -			CONTRACT NO. 87477					
	PLOT DATE = 3/26/2013	DATE -	REVISED -			SCALE: N/A	SHEET NO. 2 OF 28 SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT 8RS-1122(08)	