

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8" φ, holes 15/16" φ, unless otherwise noted.
- Calculated weight of Structural Steel = 6,537,229 pounds (Grade 50)
(S.N. 082-0323 calculated weight of Structural Steel = 1,091,085 pounds (Grade 50)
& S.N. 082-0325 calculated weight of Structural Steel = 5,446,144 pounds (Grade 50)
- All structural steel shall be AASHTO M 270 Grade 50.
- 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. See Special Provisions.
- 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 of 1/16 in. (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 and piers.
- 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. See Special Provision for "Cleaning and Painting New Metal Structures".
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Slipforming of the parapets is not allowed.
- Structural steel erection shall be accomplished by a steel erection contractor or subcontractor certified as an Advanced Certified Steel Erector (ACSE) by the American Institute of Steel Construction (AISC). See special provision for "Erection of Complex Steel Structures".
- The Contractor shall not pour the concrete deck if wind gusts on the day of the pour are forecasted to be greater than 20 mph. If the contractor wishes to pour the concrete deck on a day where wind gusts exceed those specified above, then global stability calculations of the superstructure shall be submitted to the Engineer for review and approval. The calculations shall be prepared by and sealed by an Illinois Licensed Structural Engineer.

INDEX OF SHEETS

S-1	General Plan	S-76	Girder Camber & Top of Web Elevations II
S-2	General Plan and Elevation - I	S-77	Girder Camber & Top of Web Elevations III
S-3	General Plan and Elevation - II	S-78	Girder Moment & Reaction Tables I
S-4	General Plan and Elevation - III	S-79	Girder Moment & Reaction Tables II
S-5	General Notes & Index of Sheets	S-80	Girder Moment & Reaction Tables III
S-6	Total Bill of Material & Abutment Sections	S-81	Girder Bolted Field Splice Details
S-7	Substructure Layout - I	S-82	Girder Cross Frame Details
S-8	Substructure Layout - II	S-83	Bearing Layout & Orientation - S.N. 082-0323
S-9	Substructure Layout - III	S-84	Bearing Layout & Orientation - S.N. 082-0325 Unit 1
S-10	Temporary Soil Retention System Details	S-85	Bearing Layout & Orientation - S.N. 082-0325 Unit 2
S-11	Top of Slab Elevation Plan - S.N. 082-0323	S-86	Bearing Layout & Orientation - S.N. 082-0325 Unit 3
S-12	Top of Slab Elevations - I S.N. 082-0323	S-87	Elastomeric Bearing Details I
S-13	Top of Slab Elevations - II S.N. 082-0323	S-88	Elastomeric Bearing Details II
S-14	Top of Slab Elevations - III S.N. 082-0323	S-89	Expansion Pot Bearing Details I
S-15	Top of Slab Elevation Plan S.N. 082-0325 - Unit 1 & 2	S-90	Expansion Pot Bearing Details II
S-16	Top of Slab Elevations I - S.N. 082-0325 Unit 1 & 2	S-91	Fixed Pot Bearing Details I
S-17	Top of Slab Elevations II - S.N. 082-0325 Unit 1 & 2	S-92	Fixed Pot Bearing Details II
S-18	Top of Slab Elevations III - S.N. 082-0325 Unit 1 & 2	S-93	East Abutment Plans - SN 082-0323
S-19	Top of Slab Elevations IV - S.N. 082-0325 Unit 1 & 2	S-94	East Abutment Elevations - SN 082-0323
S-20	Top of Slab Elevations V - S.N. 082-0325 Unit 1 & 2	S-95	East Abutment Details - SN 082-0323
S-21	Top of Slab Elevation Plan - S.N. 082-0325 Unit 3	S-96	East Abutment Plans - SN 082-0325
S-22	Top of Slab Elevations I - S.N. 082-0325 Unit 3	S-97	East Abutment Elevations - SN 082-0325
S-23	Top of Slab Elevations II - S.N. 082-0325 Unit 3	S-98	East Abutment Details - SN 082-0325
S-24	Top of Slab Elevations III - S.N. 082-0325 Unit 3	S-99	West Abutment Plans - SN 082-0325
S-25	Top of Slab Elevations IV - S.N. 082-0325 Unit 3	S-100	West Abutment Elevations - SN 082-0325
S-26	Top of Slab Elevations V - S.N. 082-0325 Unit 3	S-101	West Abutment Details - SN 082-0325
S-27	Top of Slab Elevations VI - S.N. 082-0325 Unit 3	S-102	Pier 1 - SN 082-0323
S-28	Top of East Approach Slab Elevation - S.N. 082-0323	S-103	Pier 2 - SN 082-0323
S-29	Top of East Approach Slab Elevation - S.N. 082-0325	S-104	Pier 3 - SN 082-0323
S-30	Top of West Approach Slab Elevation - S.N. 082-0325	S-105	Pier 3 Details - SN 082-0323
S-31	Deck Plan I - S.N. 082-0325 Unit 1	S-106	Pier 1 - SN 082-0325
S-32	Deck Plan II - S.N. 082-0325 Unit 1	S-107	Pier 2 - SN 082-0325
S-33	Deck Plan I - S.N. 082-0325 Unit 2	S-108	Pier 3 - SN 082-0325
S-34	Deck Plan II - S.N. 082-0325 Unit 2	S-109	Pier 3 Details - SN 082-0325
S-35	Deck Plan I - S.N. 082-0325 Unit 3	S-110	Pier 4 - SN 082-0325
S-36	Deck Plan II - S.N. 082-0325 Unit 3	S-111	Pier 4 Details - SN 082-0325
S-37	Deck Plan III - S.N. 082-0325 Unit 3	S-112	Pier 5 - SN 082-0325
S-38	Deck Plan I - S.N. 082-0323	S-113	Pier 6 - SN 082-0325
S-39	Deck Plan II - S.N. 082-0323	S-114	Pier 7 - SN 082-0325
S-40	Parapet Elevations - S.N. 082-0325 Unit 1	S-115	Pier 7 Details - SN 082-0325
S-41	Parapet Elevations - S.N. 082-0325 Unit 2	S-116	Pier 8 - SN 082-0325
S-42	Parapet Elevations - S.N. 082-0325 Unit 3	S-117	Pier 8 Details - SN 082-0325
S-43	Parapet Elevations - S.N. 082-0323	S-118	Pier 9 - SN 082-0325
S-44	Deck Cross Sections I - S.N. 082-0325	S-119	Pier 9 Details - SN 082-0325
S-45	Deck Cross Sections II - S.N. 082-0325	S-120	Pier 10 - SN 082-0325
S-46	Deck Cross Sections - S.N. 082-0323	S-121	Pier 10 Details - SN 082-0325
S-47	Deck Details	S-122	Pile Details
S-48	Deck Pouring Sequence	S-123	Bar Splicer Assembly Details
S-49	East Approach Slab Plan - S.N. 082-0325	S-124	Drainage System Details
S-50	East Approach Slab Details - S.N. 082-0325	S-125	Permanent Steel Sheet Pile Wall - General Plan
S-51	West Approach Slab Plan - S.N. 082-0325	S-126	Permanent Steel Sheet Pile Wall Details
S-52	West Approach Slab Details - S.N. 082-0325	S-127	Boring Logs - I - SN 082-0323
S-53	East Approach Slab Plan - S.N. 082-0323	S-128	Boring Logs - II - SN 082-0323
S-54	East Approach Slab Details - S.N. 082-0323	S-129	Boring Logs - III - SN 082-0323
S-55	Modular Expansion Joint - East Abutment S.N. 082-0325	S-130	Boring Logs - IV - SN 082-0323
S-56	Modular Expansion Joint - Pier 3 S.N. 082-0325	S-131	Boring Logs - I - SN 082-0325
S-57	Modular Expansion Joint - Pier 7 S.N. 082-0325	S-132	Boring Logs - II - SN 082-0325
S-58	Modular Expansion Joint - West Abutment S.N. 082-0325	S-133	Boring Logs - III - SN 082-0325
S-59	Modular Expansion Joint - Pier 3 S.N. 082-0323	S-134	Boring Logs - IV - SN 082-0325
S-60	Modular Expansion Joint Details I	S-135	Boring Logs - V - SN 082-0325
S-61	Modular Expansion Joint Details II	S-136	Boring Logs - VI - SN 082-0325
S-62	Expansion Joint - East Abutment S.N. 082-0323	S-137	Boring Logs - VII - SN 082-0325
S-63	Drainage Scupper, DS-11	S-138	Boring Logs - VIII - SN 082-0325
S-64	Girder Framing Plan - S.N. 082-0323		
S-65	Girder Framing Plan - S.N. 082-0325 - Unit 1		
S-66	Girder Framing Plan - S.N. 082-0325 Unit - 2		
S-67	Girder Framing Plan I - S.N. 082-0325 Unit - 3		
S-68	Girder Framing Plan II - S.N. 082-0325 Unit - 3		
S-69	Girder Elevation - S.N. 082-0323		
S-70	Girder Elevation - S.N. 082-0325 Unit - 1		
S-71	Girder Elevation - S.N. 082-0325 Unit - 2		
S-72	Girder Elevation I - S.N. 082-0325 Unit - 3		
S-73	Girder Elevation II - S.N. 082-0325 Unit - 3		
S-74	Girder Elevation III - S.N. 082-0325 Unit - 3		
S-75	Girder Camber & Top of Web Elevations I		

STATION 77+44.22
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F.A.I. RT. 70 SEC. 82-1-1HB
LOADING HL-93
STRUCTURE NO. 082-0323

STATION 75+58.21
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F.A.I. RT. 70 SEC. 82-1-1HB
LOADING HL-93
STRUCTURE NO. 082-0325

NAME PLATE S.N. 082-0323
See Std. 515001

NAME PLATE S.N. 082-0325
See Std. 515001

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USER NAME = Bhatta	DESIGNED - ATB	REVISED -
PLOT SCALE = 0.2" / 1'	DRAWN - MK	REVISED -
PLOT DATE = #DATE#	CHECKED -	REVISED -
	DATE - 03/18/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES & INDEX OF SHEETS	
I-70W OVER I-55, CSX & KCS RAILROADS	
SCALE: NONE	SHEET NO. S-5 OF S-138 SHEETS STA. - TO STA. -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-1	ST. CLAIR	319	120
S.N. 082-0323 & S.N. 082-0325		CONTRACT NO. 76C75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				