

**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 = 3,009,710 lbs. (AASHTO M270 Grade 50)
- No field welding is permitted except as specified in the contract documents.
- Not used.
- 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 1/8" (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 abutments.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 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 that 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 Reddish Brown, Munsell No. 2.5 YR 3/4.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Slipforming of the parapets and median barrier is not allowed.
- Current Ratings on File for Existing Structures:

WB Bridge (SN 045-0002)  
Inventory: HS 20.1  
Operating: HS 33.4  
Live Load Restrictions: None

EB Bridge (SN 045-0003)  
Inventory: HS 20.1  
Operating: HS 33.4  
Live Load Restrictions: None

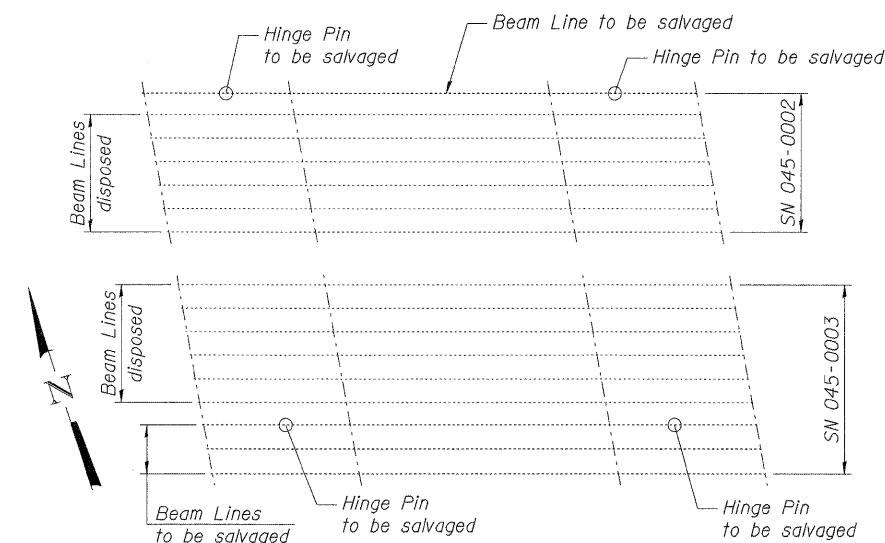
Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

**INDEX OF SHEETS**

S-1	General Plan and Elevation
S-2	General Notes, Index of Sheets, and Total Bill of Material
S-3	Vertical Profiles, Offset Sketch and SlopeWall Details
S-4	Construction Staging
S-5	Temporary Concrete Barrier For Stage Construction
S-6	Substructure Layout
S-7	Temporary Soil Retention System Details
S-8	Top of Slab Elevation Plan
S-9	Top of Slab Elevations, 1 of 6
S-10	Top of Slab Elevations, 2 of 6
S-11	Top of Slab Elevations, 3 of 6
S-12	Top of Slab Elevations, 4 of 6
S-13	Top of Slab Elevations, 5 of 6
S-14	Top of Slab Elevations, 6 of 6
S-15	Top of W. Approach Slab Elevations
S-16	Top of E. Approach Slab Elevations
S-17	Deck Plan, 1 of 3
S-18	Deck Plan, 2 of 3
S-19	Deck Plan, 3 of 3
S-20	Deck Cross Section and Details
S-21	North Parapet Elevations
S-22	South Parapet Elevations
S-23	Median Barrier Elevations
S-24	Parapet Sections and Details
S-25	Deck Details and Bar List
S-26	W. Approach Pavement, 1 of 2
S-27	W. Approach Pavement, 2 of 2
S-28	E. Approach Pavement, 1 of 2
S-29	E. Approach Pavement, 2 of 2
S-30	Drainage Scupper DS-11
S-31	Drainage Scupper DS-12
S-32	Preformed Joint Strip Seal
S-33	Modular Expansion Joint
S-34	Framing Plan
S-35	Curved Girder Layout
S-36	Girder Elevations
S-37	Steel Details, 1 of 3
S-38	Steel Details, 2 of 3
S-39	Steel Details, 3 of 3
S-40	Traffic Signal Bracket Details
S-41	Bearing Details, 1 of 2
S-42	Bearing Details, 2 of 2
S-43	West Abutment, Plan and Elevation
S-44	West Abutment, Details 1 of 2
S-45	West Abutment, Details 2 of 2
S-46	East Abutment, Plan and Elevation
S-47	East Abutment, Details 1 of 2
S-48	East Abutment, Details 2 of 2
S-49	Pier 1, Plan and Elevation
S-50	Pier 1, Details and Bar List
S-51	Pier 2, Plan and Elevation
S-52	Pier 2, Details and Bar List
S-53	Bridge Drainage System
S-54	Bar Splicer Details
S-55	Steel H-Pile Details
S-56	Form Liner Details
S-57	Soil Boring Logs, 1 of 6
S-58	Soil Boring Logs, 2 of 6
S-59	Soil Boring Logs, 3 of 6
S-60	Soil Boring Logs, 4 of 6
S-61	Soil Boring Logs, 5 of 6
S-62	Soil Boring Logs, 6 of 6

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures No. 1	Each			1
Removal of Existing Structures No. 2	Each			1
Protective Shield	Sq Yd	876		876
Structure Excavation	Cu Yd		1,141	1,141
Concrete Structures	Cu Yd		1,062.3	1,062.3
Concrete Superstructure	Cu Yd	2,187.0		2,187.0
Bridge Deck Grooving	Sq Yd	6,760		6,760
Concrete Encasement	Cu Yd		31.6	31.6
Form Liner Textured Surface	Sq Ft		540	540
Protective Coat	Sq Yd	8,146		8,146
Furnishing and Erecting Structural Steel	L Sum	1		1
Stud Shear Connectors	Each	20,586		20,586
Reinforcement Bars, Epoxy Coated	Pound	558,650	167,820	726,470
Bar Splicers	Each	4,536	545	5,081
Slope Wall 4 Inch	Sq Yd		897	897
Furnishing Steel Piles HP14x73	Foot		6,290	6,290
Driving Piles	Foot		6,290	6,290
Test Pile Steel HP14x73	Each		4	4
Pile Shoes	Each		218	218
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	98.0		98.0
Anchor Bolts, 1"	Each	144		144
Concrete Sealer	Sq Ft		2,565	2,565
Geocomposite Wall Drain	Sq Yd		254	254
Porous Granular Embankment, Special	Cu Yd		681	681
High Load Multi-Rotational Bearings, Guided Expansion, 250K	Each	24		24
High Load Multi-Rotational Bearings, Guided Expansion, 750K	Each	12		12
High Load Multi-Rotational Bearings, Fixed - 750K	Each	12		12
Drainage Scuppers, DS-11	Each	2		2
Drainage Scuppers, DS-12	Each	10		10
Drainage System	L Sum	1		1
Modular Expansion Joint 9"	Foot	98.0		98.0
Pipe Underdrains for Structures 4"	Foot		264	264
Temporary Soil Retention System	Sq Ft		9,960	9,960



**SALVAGE PLAN**

Note:  
The Contractor shall salvage the 4 beam lines shown, including wide flange beams and splice plates. The hinge plates and details, bearings, and cross frames shall not be salvaged, except as noted. The steel should be transported and unloaded by the Contractor to the District Bridge Yard in Elk Grove at 1101 Biesterfeld Road, during the week days of Monday-Friday, and between the hours of 8am and 2pm. The Contractor shall notify the District Bridge Office 48 hours in advance of the delivery at (847) 956-1444. Cost included in Removal of Existing Structures.

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FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - MDB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION US 20 OVER MCLEAN BOULEVARD</b>	<b>GENERAL NOTES, INDEX OF SHEETS, AND TOTAL BILL OF MATERIAL</b>		F.A.P. RTE. 345	SECTION 8R-R	COUNTY KANE	TOTAL SHEETS 794	SHEET NO. 474		
	PLOT SCALE = #SCALE#	CHECKED - CCE	REVISED -				SN 045-0077		CONTRACT NO. 60H45				
	PLOT DATE = #DATE#	DATE - 01/16/12	REVISED -				SCALE:	SHEET NO. S-2	OF S-62	STATION 98+32.18	FED. ROAD DIST. NO. 7 [ILLINOIS] FED. AID PROJECT		

