INDEX OF SHEETS

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GENERAL NOTES:

- Fasteners shall be high strength bolts AASHTO M 164, Type 3. Bolts ⁷₈^{*φ}, open holes ¹⁵₁₆^{*φ}, unless atherwise noted.
- 2. All structural steel shall be AASHTO M 270 Grade 50W except, lower lateral bracing which shall be ASTM A847, expansion joint plates and attached bars which shall be AASHTO M 270 Grade 50.
- 3. Calculated weight of Structural Steel :

AASHTO M 270 Grade 50W= 449,452 Lbs. Approach Span Framing = 46,035 Lbs. Tie-Girders = 104,978 Lbs. Arch Ribs = 134,649 Lbs Transverse Beams = 65.642 Lbs. Hangers = 12,505 Lbs. Stringers = 41,530 Lbs. Upper Lateral Bracing = 31,730 Lbs. Anchor Bolts = 350 Lbs. A847 Grade = 12,383 Lbs. Lower Lateral Bracing = 12,383 Lbs.

- 4. Expansion joint plates and attached bars shall be shop painted with the inorganic zinc rich primer.
- 5. Field welding of construction accessories will not be permitted to ties, beams or girders.
- 6. Anchor bolts shall be set before bolting diaphraams over supports.
- 7. The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50W.
- 8. The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams, transverse floor beams, hangers, tie-girders and all splice plate material except fill plates.
- 9. Reinforcement bars shall conform to the requirements of AASTHO M31 or M322 Grade 60.
- 10. All AASHTO M 270 Grade 50W and ASTM A847 steel shall be painted in All ASTIC M 210 Glade Sow and ASTM ACT steel shall be painted in accordance with the Special Provisions for "Cleaning and Painting New Metal Structures". The color of the finish coal supplied shall match the Federal Color Standard 595a 20045. The Inc. Same / Accylic/ Acylic Kink System Shall be used.
- 11. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- 12. The embankment configuration shown shall be minimum embankment that must be constructed prior to construction of the abutments.
- 13. Plan dimensions and details relative to existing structures have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction for a change in the scope of work, however, the Contractor wil be paid for the auantity actually furnished at the unit price for the work.
- 14. The back face of Integral Abutments and their wingwalls shall be waterproofed according to Article 503.18 of the Standard Specifications.
- 15. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ¹₈ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{b}{a''}$ adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two ${}_{8}^{\prime\prime}$ adjusting shims shall be provided for each bearing and placed as detailed.
- 16. The contractor shall drive 2 HP 12X53 test piles in a permanent location at the abutments and piers as shown in the plans and directed by the Engineer before ordering the remainder of piles.
- 17. The concrete deck shall be placed continuously starting at the west abutment unless directed by the Engineer.
- 18. Protective Coot for the bridge deck shall be in accordance with Article 503.19 of the Std. Spec's and for the bridge approach slabs in accordance with Article 420.21 of the Std. Spec's.

19. Existing overhead Electrical power lines to be relocated by AmerinIP.

20. Bridge Seat Sealer shall be applied to the seat area of Piers 1 and 2.

PAY ITEM NO.	DESCRIPTION	UNIT	SUB	SUPER	ΤΟΤΑ
* 20700400	Porous Granular Embankment (Special)	Cu. Yd.	178		178
281007XX	Stone Dumped RipRap, Class A4	Sq. Yd.	1270		1270
28200 2 00	Filter Fabric	Sq. Yd.	1270		1270
42001165	Bridge Approach Pavement	Sq. Yd.	187		<i>1</i> 87
50100200	Removal of Existing Structures	🚬 L. Sum	1	-	1 -
50200100	Structure Excavation	Cu. Yd.	299		299
* Z0008248	Drilled Shaft in Soil 48"	Foot	54		54
* Z0008342	Drilled Shaft in Rock 42"	Foot	105		105
50300100	Floor Drains	Each		22	22
50300225	Concrete Structures	Cu. Yd.	311.1		311.1
50300255	Concrete Superstructure	Cu. Yd.		320.5	320,
50300260	Bridge Deck Grooving	Sq. Yd.		1004	1004
50300300	Protective Coat	Sq. Yd.		1004	1004
* X5000756	Floating Bearings, Fixed, 550K	Each		1	1
* X5000757	Floating Bearings, Guided Expansion. 550K	Each		2	2
* X5000758	Floating Bearings, Non-Guided Expansion, 550K	Each		1	1
* X0323341	Bridge Joint System - Expansion	Foot		80	80
50500105	Furnishing and Erecting Structural Steel	L. Sum		1	1
50500505	Stud Shear Connectors	Each		6681	668.
50800105	Reinforcement Bars	Pound	20320		2032
50800205	Reinforcement Bars, Epoxy Coated	Pound	53590	87170	14076
51201600	Furnishing Steel Piles HP12x53	Foot	192		192
51202700	Driving Steel Piles	Foot	192		192
51203600	Test Pile Steel HP 12x53	Edch	2		2
51204600	Metal Shoes	Each	8		8
51500100	Name Plates	Each		1	± 1
58700200	Bridge Seat Sealer	Sq. Ft.	46		46
59100100	Geocomposite Wall Drain	Sq. Yd.	94		94

* Denotes pay item with special provision.



FAU RTE	SE	CTION			COUM	NTY	TOTAL SHEETS	SHEET NO.
7000	02-00	212-00	D-BR	VI	ERMI	LION	59	18
FROM	STA.	96+0	0.00		TO	STA.	103+10.1	0
FED. RC	AD DIST.	NO.	ILLIN	210	FED	. AID	PROJECT	

CONTRACT NO. 91285

TOTAL BILL OF MATERIAL

Redding

BUILT BY CITY OF DANVILLE SECTION 02-00212-00-BR F.A.U. RT. 7000, STA. 99+32.50 STR. NO. 092-6034 LOADING HS20

VERMILION RIVER

NAME PLATE See Std. 515001

REVISIO		CITY OF DANVILLE, I	LINOIS
NAME	DATE	-	
		HUNGRY HOLLOW ROAD	BRIDGE
		GENERAL NOT	ĒC
		INDEX OF SHEE	& 2T
		TOTAL BILL OF MA	ATERIALS
		SCALÉ	DRAWN BY LAR
		DATE 12/06/05	CHECKED BY JRH
		TENC & ASSOCIATES ENGINE RESARCHT	
		LENU 205 N MCHEGAN AV TELÉPHONE 2255 0	S. CHECAGO, IL 65601