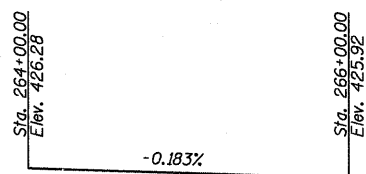
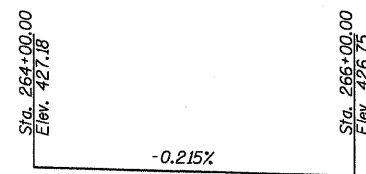


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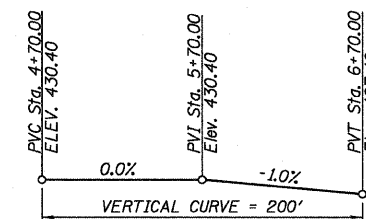
SHEET NO.	TITLE
B1	GENERAL PLAN AND ELEVATION
B2	GENERAL DATA
B3	STAGE CONSTRUCTION, EASTBOUND ROADWAY
B4	STAGE CONSTRUCTION, WESTBOUND ROADWAY
B5	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
B6	TOP OF DECK REPAIR, EASTBOUND ROADWAY
B7	TOP OF DECK REPAIR WESTBOUND ROADWAY
B8	PARAPET REPAIR
B9	MEDIAN BARRIER DETAILS
B10-B12	EXPANSION JOINT REPLACEMENT DETAILS, EASTBOUND ROADWAY
B13-B15	EXPANSION JOINT REPLACEMENT DETAILS, WESTBOUND ROADWAY
B16	PERFORMED JOINT STRIP SEAL
B17-B19	LONGITUDINAL JOINT CLOSURE DETAILS, EASTBOUND ROADWAY
B20-B21	LONGITUDINAL JOINT CLOSURE DETAILS, WESTBOUND ROADWAY
B22-B22A	STRUCTURAL STEEL
B23	BEARING DETAILS AND NOTES
B24	TYPE I BEARING DETAILS, WEST ABUTMENT
B25	TYPE I BEARING DETAILS, PIER NO. 2
B26	TYPE I BEARING DETAILS, EAST ABUTMENT
B27	WEST ABUTMENT, EASTBOUND ROADWAY
B28	EAST ABUTMENT, EASTBOUND ROADWAY
B29	WEST ABUTMENT, WESTBOUND ROADWAY
B30	EAST ABUTMENT, WESTBOUND ROADWAY
B31	PIER NO. 2, EASTBOUND ROADWAY
B32	PIER NO. 2, WESTBOUND ROADWAY
B33	CHANNEL EXCAVATION PLAN AND ELEVATION
B34	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS



**PROFILE GRADE**  
(Along P.G.L. E.B. F.A.I. 64)



**PROFILE GRADE**  
(Along P.G.L. W.B. F.A.I. 64)



**PROFILE GRADE**  
(Along E Ramp C)

**TOTAL BILL OF MATERIAL**

ITEMS	UNITS	SUPER		SUB		TOTAL
		082-0169	082-0170	082-0169	082-0170	
Channel Excavation	Cu. Yd.			449	360	809
Stone Riprap, Class A3	Sq. Yd.				4	4
Concrete Removal	Cu. Yd.	83.9	49.6			133.5
Concrete Superstructure	Cu. Yd.	90.3	54.4			144.7
Bridge Deck Grooving	Sq. Yd.	1,660	1,253			2,913
Protective Coat	Sq. Yd.	378	237			615
Furnishing and Erecting Structural Steel	Pound	16,710	10,940			27,650
Cleaning and Painting Structural Steel, Location 1	L. Sum	0.5	0.5			1
Cleaning and Painting Structural Steel, Location 2	L. Sum	0.5	0.5			1
Reinforcement Bars, Epoxy Coated	Pound	14,870	8,710			23,580
Bar Splicers	Each	72	72			144
Preformed Joint Strip Seal	Foot	281.5	214.5			496
Elastomeric Bearing Assembly, Type I	Each	63	45			108
Anchor Bolts, 1"	Each	126	90			216
Jack and Remove Existing Bearings	Each	63	45			108
Structural Steel Removal	Pound	1,280				1,280
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	1,727	1,310			3,037
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	0.5	0.5			1
Containment and Disposal of Lead Paint Cleaning Residues No. 2	L. Sum	0.5	0.5			1
Cleaning Bridge Seats	Sq. Ft.			1,041	795	1,836
Bridge Deck Scarification 3/4"	Sq. Yd.	1,506	1,154			2,660
Bridge Deck Microsilica Concrete Overlay 2 3/4"	Sq. Yd.	1,506	1,154			2,660
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		3	66	53	122
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq. Ft.			39	3	42
Plug Existing Deck Drains	Each	10	10			20
Joint Sealer	Foot	42	42			84

**GENERAL NOTES**

- Fasteners shall be high strength bolts. Bolts 3/4"  $\phi$ , open holes 13/16"  $\phi$ , unless otherwise noted.
- All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
- 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.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The existing structural steel coating contains lead. The Contractor shall deal with the presence of lead on this project according to the Guide Bridge Special Provision "Containment and Disposal of Lead Paint Cleaning Residues".
- A minimum of 2 air monitors will be required to monitor abrasive blasting operations at this site. See the Guide Bridge Special Provision for "Containment and Disposal of Lead Paint Cleaning Residues".
- Cleaning and painting of the existing structural steel shall be as specified in the Guide Bridge Special Provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings, and other structural steel within 5 ft. (measured along the beam) of either side of deck expansion joints shall be cleaned per Near White Blast Cleaning - SSPC-SP10. The exterior surfaces and bottom of the bottom flange of the Tascas beams shall not be cleaned or painted. The designated areas cleaned per Near White Blast Cleaning shall be painted according to the requirements of Paint System 1-02/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1.
- All structural steel shall be shop painted with the inorganic zinc rich primer per AASHTO M300, Type 1. Cost included with Furnishing and Erecting Structural Steel.
- The area along the slope walls as determined by the Engineer should be cleared of vegetation, bushes, saplings, etc. according to Section 201 of the Standard Specifications. This work will be included with Stone Riprap, Class A3.
- The Channel Excavation may be varied in the field to suit the channel conditions as directed by the Engineer. All excavated material shall remain on site.
- The bearing seats at the abutments and Pier No. 2 cover an area of 1,041 Sq. Ft. (E.B.) and 795 Sq. Ft. (W.B.). These areas shall be cleaned according to the Special Provisions and paid for at the contract unit price for "Cleaning Bridge Seats".
- All areas of erosion are to be repaired by placing Class A3 Stone Riprap in a manner to match the existing ground profile or to improve the ground profile.
- Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
- Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with "Furnishing and Erecting Structural Steel." Cost of removal of members to be replaced as detailed on the plans and as specified in the Special Provisions shall be included with "Structural Steel Removal."
- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with "Concrete Removal."
- If the analysis submitted to the Contractor for the Jacking/Temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.
- Protective Coat shall be applied to the full length of the parapets and new concrete at the Expansion Joints and Joint Closure Locations. Protective coat shall not be applied to areas that will receive the Microsilica Concrete Overlay.



2709 McGraw Drive  
Bloomington, Illinois 61704  
309/663-8436, 309/663-1571 fax

DESIGNED - JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM/JWK	REVISED
DATE - 12/05/11	CHECKED - MSW
	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 082-0169 (E.B.)  
STRUCTURE NO. 082-0170 (W.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-(3,4)RS	ST. CLAIR	167	123
CONTRACT NO. 76415				
ILLINOIS FED. AID PROJECT				

SHEET NO. B2 OF 34 SHEETS