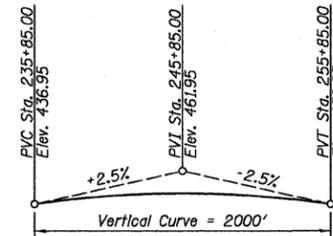
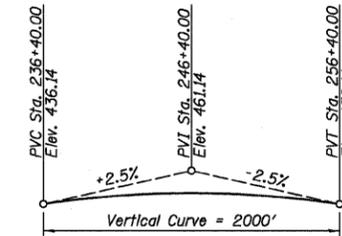


**INDEX TO SHEETS**

SHEET NO.	TITLE
A1	GENERAL PLAN AND ELEVATION
A2	GENERAL DATA
A3	STAGE CONSTRUCTION, EASTBOUND ROADWAY
A4	STAGE CONSTRUCTION, WESTBOUND ROADWAY
A5	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
A6	PARAPET REPAIR
A7-A8	JOINT REPLACEMENT DETAILS, EASTBOUND ROADWAY
A9-A10	JOINT REPLACEMENT DETAILS, WESTBOUND ROADWAY
A11	PREFORMED JOINT STRIP SEAL
A12	BEARING DETAILS AND NOTES
A13	TYPE I BEARING DETAILS, WEST ABUTMENT
A14	TYPE II BEARING DETAILS, EAST ABUTMENT
A15	WEST ABUTMENT, EASTBOUND ROADWAY
A16	EAST ABUTMENT, EASTBOUND ROADWAY
A17	WEST ABUTMENT, WESTBOUND ROADWAY
A18	EAST ABUTMENT, WESTBOUND ROADWAY
A19	PIER REPAIR
A20	SLOPEWALL REPAIR AND RIPRAP PLACEMENT
A21	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)

**TOTAL BILL OF MATERIAL**

ITEMS	UNITS	SUPER		SUB		TOTAL
		082-0167	082-0168	082-0167	082-0168	
Porous Granular Embankment	Cu. Yd.			314	195	509
Stone Riprap, Class A3	Sq. Yd.			22	11	33
Polymerized Hot-Mix Asphalt Surface Course, Mix "E", N90	Ton	219	202			421
Concrete Removal	Cu. Yd.	27.3	25.0			52.3
Slope Wall Removal	Sq. Yd.			377	234	611
Concrete Superstructure	Cu. Yd.	32.1	29.4			61.5
Protective Coat	Sq. Yd.	236	229			465
Furnishing and Erecting Structural Steel	Pound	4,890	4,890			9,780
Reinforcement Bars, Epoxy Coated	Pound	4,140	3,760			7,900
Bar Splacers	Each	32	32			64
Slope Wall 4 Inch	Sq. Yd.			377	234	611
Prefomed Joint Strip Seal	Foot	169	154			323
Elastomeric Bearing Assembly, Type I	Each	12	12			24
Elastomeric Bearing Assembly, Type II	Each	12	12			24
Anchor Bolts, 1"	Each	48	48			96
Waterproofing Membrane System	Sq. Yd.	1,956	1,800			3,756
Jack and Remove Existing Bearings	Each	24	24			48
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	2,040	1,877			3,917
Cleaning Bridge Seats	Sq. Ft.			487	446	933
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	12	9	13	35	69
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq. Ft.			8	5	13
Joint Sealer	Foot	125	125			250
Railroad Protective Liability Insurance	L. Sum	0.5	0.5			1
Temporary Ramp, Special	Sq. Yd.	33	32			65

**GENERAL NOTES**

- Fasteners shall be high strength bolts. Bolts 3/4" φ, open holes 5/8" φ, 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.
- Protective coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
- 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 shall be included with Stone Riprap, Class A3.
- The abutment seats cover an area of 487 sq. ft. (E.B.) and 446 sq. ft. (W.B.). These areas shall be cleaned according to 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.
- 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."
- 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.
- Existing structural steel shall only be cleaned and painted as required by the Guide Bridge Special Provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures."
- The hot-mix asphalt mixture requirements are included in the roadway plans.
- See "Railroad Protective Liability Insurance" Special Provision for any work within 25' of the Alton & Southern Railroad.
- 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."
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- 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/repair 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.



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309/663-8438, 309/663-1571 fax

DESIGNED - JCZ	REVISED
CHECKED - JML	REVISED
DRAWN - DJM/JWK	REVISED
CHECKED - MSW	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 082-0167 (E.B.)  
STRUCTURE NO. 082-0168 (W.B.)

F.A.I. RTE. 64	SECTION 82-(3,4)RS	COUNTY ST. CLAIR	TOTAL SHEETS 167	SHEET NO. 102
CONTRACT NO. 76415				
ILLINOIS FED. AID PROJECT				

SHEET NO. A2 OF 21 SHEETS