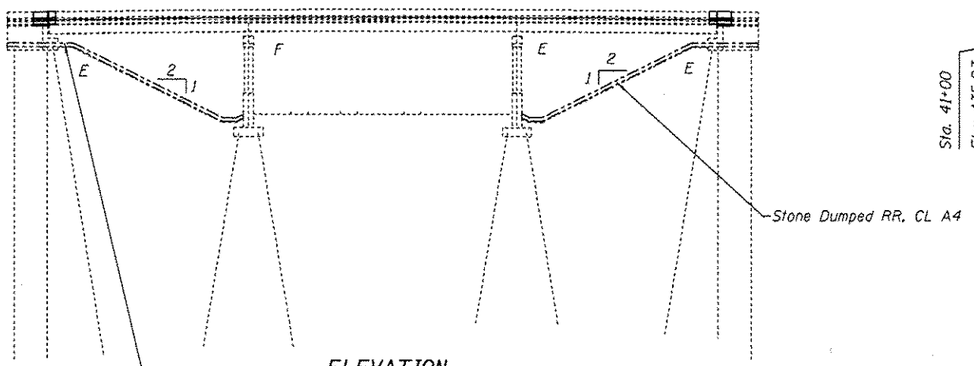
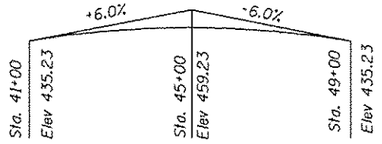


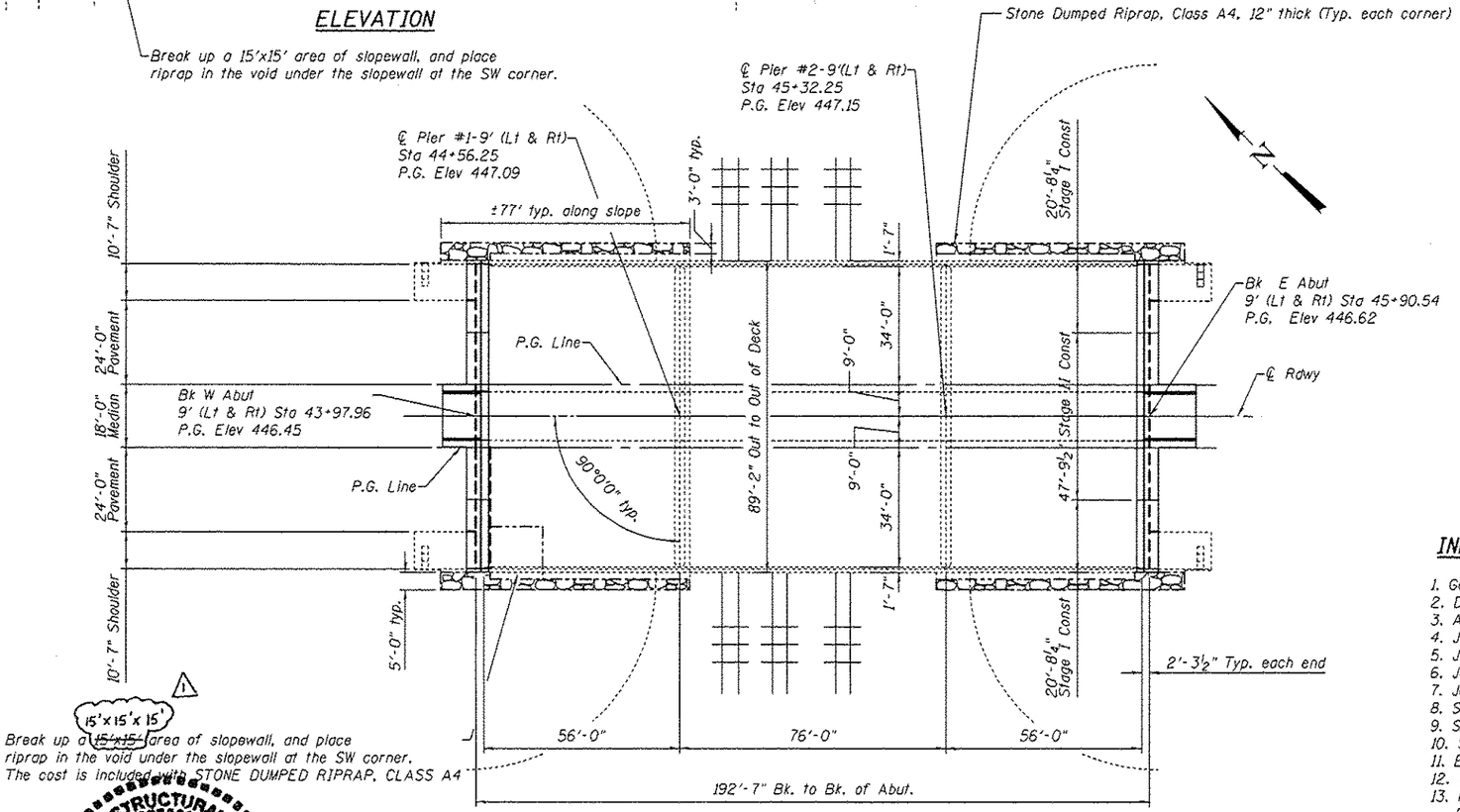
ELEVATION



L.V.C. = 800'

PROFILE GRADE

Break up a 15'x15' area of slopewall, and place riprap in the void under the slopewall at the SW corner.



PLAN

Break up a ~~15'x15'~~ 15'x15' area of slopewall, and place riprap in the void under the slopewall at the SW corner. The cost is included with STONE DUMPED RIPRAP, CLASS A4

LICENSED STRUCTURAL ENGINEER
DAVID CARL PUZEY
081-005470
SPRINGFIELD ILLINOIS
STATE OF ILLINOIS

Expires 11/30/16

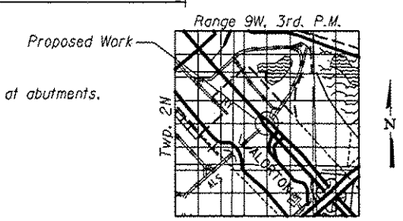
Replace deck ends & 3' of approach slab with new strip seal expansion joints at abutments.

Replace all end diaphragms with galvanized diaphragms.

Blast clean & paint beam ends & existing rocker bearings.

Riprap erosion along edge of slopewall and wingwalls.

Replace portion of Concrete Median Surface & Concrete Curb & Gutter as shown in the plans.



LOCATION SKETCH

GENERAL NOTES

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.

All structural steel shall conform to AASHTO Classification M 270 Grade 36, unless otherwise noted.

Joint opening shall be adjusted according to Article 520.04 of the Standard Specs. when the deck is poured at an ambient temperature other than 50° F.

Existing reinforcement bars extending into 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.

Cleaning and Painting of the existing structural steel and bearings shall be included with "Cleaning and Painting Structural Steel, Location 1." All beams, bearing, deck drains, and other structural steel within 5 feet at the east abutment, and 10 feet at the west abutment (measured along the beam) of the deck joints shall be cleaned per "Near White Blast Cleaning-SSPC-SP10." Existing diaphragms at the abutments will be replaced and are excluded from the Cleaning and Painting requirements.

The designated areas cleaned per "near white blast cleaning SSPC-SP10" shall be painted according to the requirements of paint system 1-OZ/E/U. 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 Federal Standard Color Brown 595C 20045.

Bridge deck concrete sealer shall be placed on top/inside faces of parapets (full length)/ wingwalls. In addition, place sealer on the bridge deck & median (full length). Bridge sealer shall be placed on top of new concrete at joints (This includes Curb & Gutter and Median Surface.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	50.9
Concrete Superstructure	Cu. Yd.	18.1
Combination Concrete Curb and Gutter, Type B-9.24	Foot	52
Bar Splicers	Each	76
Preformed Joint Strip Seal	Foot	177
Reinforcement Bars, Epoxy Coated	Pound	4050
Bridge Deck Concrete Sealer	Sq. Ft.	19130
Furnishing and Erecting Structural Steel	Pound	8340
Concrete Median Surface, 4 inch	Sq. Ft.	290
Concrete Structures	Cu. Yd.	31.9
*Deck Slab Repair (Partial)	Sq. Yd.	50
Median Removal	Sq. Ft.	407
Structural Steel Removal	Pound	6680
Stone Dumped Riprap, Class A4	Ton	381
Cleaning and Painting Structural Steel, Location No.1	L. Sum	1
Containment and Disposal of Non-Lead Paint Cleaning Residues No.1	L. Sum	1
Remove and Reerect Traffic Barrier Terminals, Type 6	Each	2

*The quantity of deck slab repair is estimated. The engineer in the field shall determine the actual quantity and locations.

INDEX OF SHEETS

⚠1 REV. 2-25-15

DESIGNED - AYV	EXAMINED Timothy A. Armbruster	DATE - 1/26/15	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED - TLC	PASSED ENGINEER OF STRUCTURAL SERVICES	REVISED	GENERAL PLAN & ELEVATION SN 082-0259 (IL 15 over A&S RR)
DRAWN - AYV	ENGINEER OF BRIDGES AND STRUCTURES	REVISED	SHEET NO. 1 OF 19 SHEETS
CHECKED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	95-VB-1	ST. CLAIR	34	16
		CONTRACT NO. 76G47		
		ILLINOIS FED. AID PROJECT		