

PPS # 6-00281-0000

CONSTRUCTION CODE

RURAL 90% FEDERAL 10% STATE

NB I-55 SN 084-0011 SB I-55 SN 084-0012

0014 0014

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN											
				NB I-55 SN 084-0011	SB I-55 SN 084-0012										
* 78100300	REPLACEMENT REFLECTOR	EACH	82	40	42										
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	4	4										
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	2	2										
78300100	PAVEMENT MARKING REMOVAL	SQ FT	4,212	2,077	2,135										
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	6	4										
X0325349	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	FOOT	7,050	3,525	3,525										
X0931400	INLET BOXES TO BE ADJUSTED (SPECIAL)	EACH	4	2	2										
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,443	1,443	0										
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2	1	1										
X7010208	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402 (SPECIAL)	EACH	2	1	1										
X7010410	SPEED DISPLAY TRAILER	CAL MO	8	4	4										
X7040650	REMOVE TEMPORARY CONCRETE BARRIER	FOOT	7,060	3,530	3,530										
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3,770	1,881	1,889										
Z0012166	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"	SQ YD	3,770	1,881	1,889										

△ REVISED 12-28-15

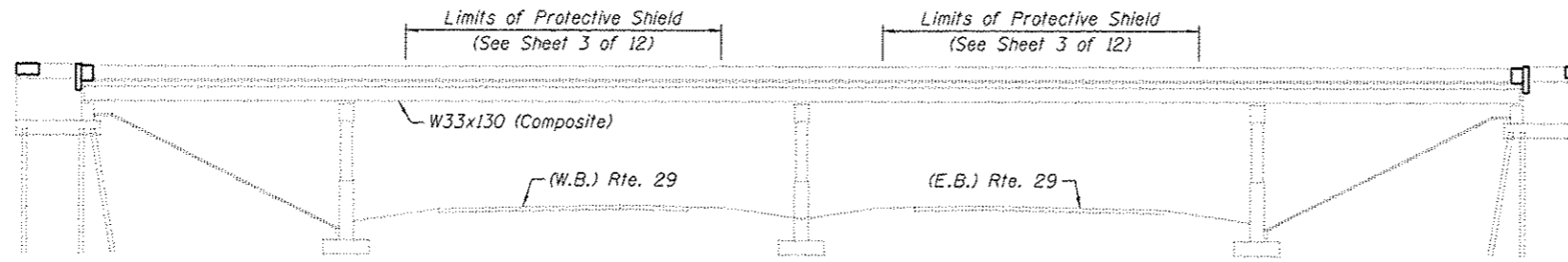
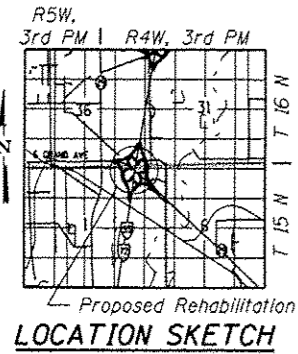
* SPECIALTY ITEM

CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB # 2216.13	DESIGNED - NAK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	FILE NAME # 0672049-ehs-rsq.dgn	DRAWN - SJS	REVISED -					55	(84-3) I-5, BJR	SAN CAMON	46	8	
	PLOT SCALE # 20,000 1/4" = 1'	CHECKED - NAK	REVISED -					SCALE:	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE # 12/14/2015	DATE - 8/4/15	REVISED -					CONTRACT NO. 72H49					

Existing Structures: S.N. 084-0011 and S.N. 084-0012 were originally constructed in 1963 as F.A.I. Rte. 55, Section 84-3HB-1. The structures were reconstructed in 1995. The existing structures are four span continuous steel girder bridges. The total bridge length is 255'-4" Bk. to Bk. of abutments. The deck width varies from 69'-6" to 73'-6" O. to O. The bridges are skewed 25°46'00" left ahead. The abutments are the open type and are founded on steel H-piles. The piers are multi-column hammerheads founded on spread footings. There is an electric utility attached to the superstructure. The neoprene expansion joints will be replaced with strip seal joints and a microsilica overlay will be added, along with additional work specified in the scope of work. Traffic will be maintained utilizing stage construction.

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.
 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.
 Joint opening 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.
 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.



SCOPE OF WORK

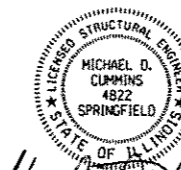
1. Remove existing strip seal joints.
2. Remove concrete near expansion joints.
3. Perform bridge deck scarification.
4. Complete deck slab repairs.
5. Adjust drainage scuppers.
6. Install new concrete and strip seal expansion joints at both abutments.
7. Pour new microsilica overlay.
8. Perform Diamond Grinding.
9. Remove concrete and install new anchors in end post.

Note: Up to 1/4" will be ground off the bridge slab.

TOTAL BILL OF MATERIAL

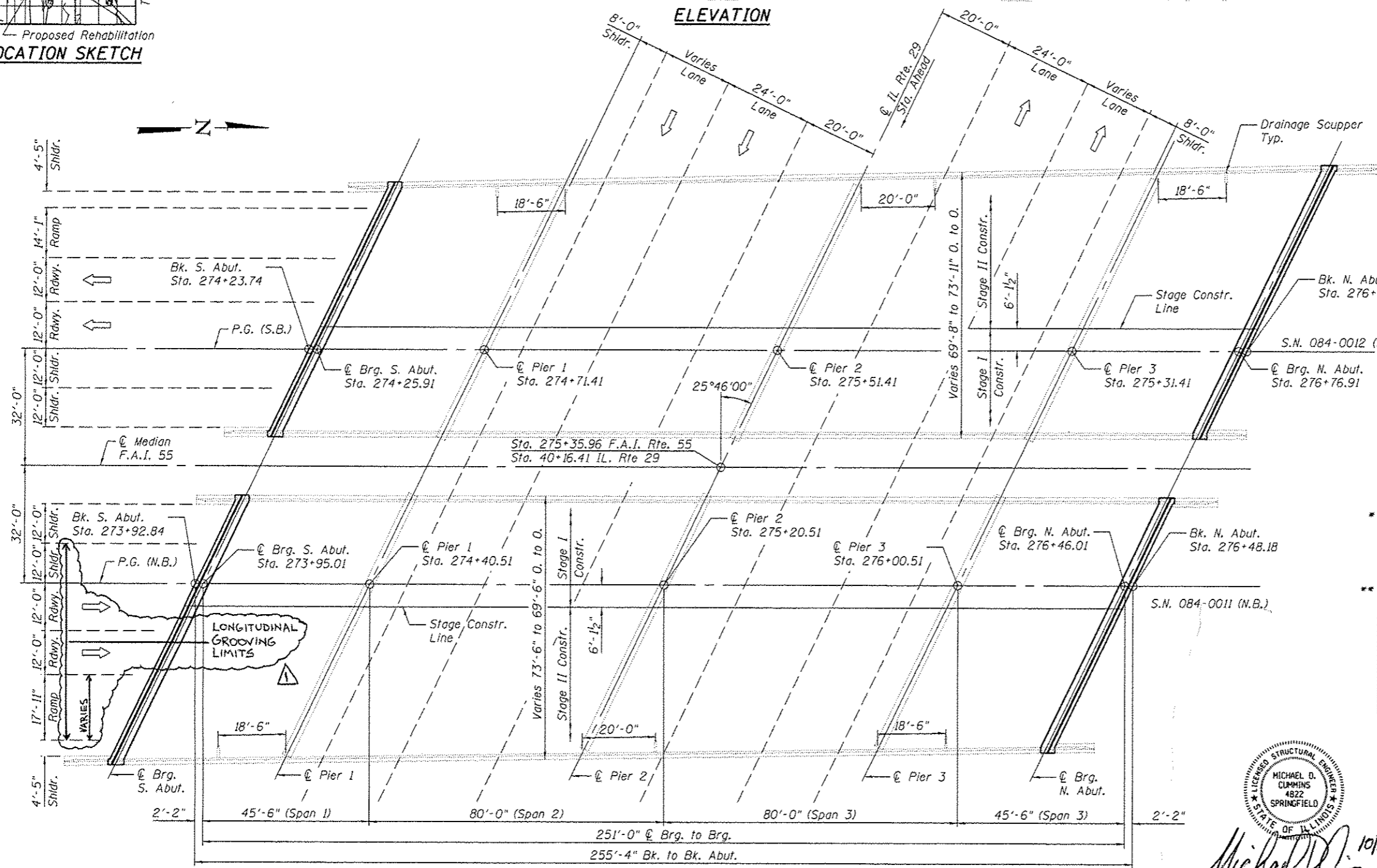
ITEM	UNIT	TOTAL
* Protective Coat	Sq. Yd.	122
Concrete Removal	Cu. Yd.	52.8
Protective Shield	Sq. Yd.	2,147
Concrete Structures	Cu. Yd.	1.2
Concrete Superstructure	Cu. Yd.	52.6
** Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1443
Reinforcement Bars, Epoxy Coated	Pound	7,370
Bar Splacers	Each	48
Preformed Joint Strip Seal	Foot	337
Bridge Deck Scarification 3/4"	Sq. Yd.	3,773
Bridge Deck Microsilica Concrete Overlay 2 3/4"	Sq. Yd.	3,773
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	35.3
Drainage Scupper to be Adjusted	Each	6
Diamond Grinding (Bridge Section)	Sq. Yd.	3,652

* New concrete adjacent to joints only.
 ** N.B. Bridge only.



Michael D. Cummins 10/13/15
 (Expires 11/30/16)

GENERAL PLAN AND ELEVATION
F.A.I. 55 OVER IL RTE. 29
F.A.I. 55 SECTION (84-3) I-5, BJR
SANGAMON COUNTY
STRUCTURE NO. 084-0011 (NB) & 0012 (SB)



PLAN REVISED 12-28-15



JOB # 2276.13 FILE # 8840811-0012-72H49-35-CP&E.dgn DATE 10/13/2015	DESIGNED R.K. CHECKED A.A.N. DRAWN S.J.S. CHECKED M.D.C.	REVISED - REVISED - REVISED - REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-3) I-5, BJR	SANGAMON	46	35

CONTRACT NO. 72H49
 ILLINOIS FED. AID PROJECT