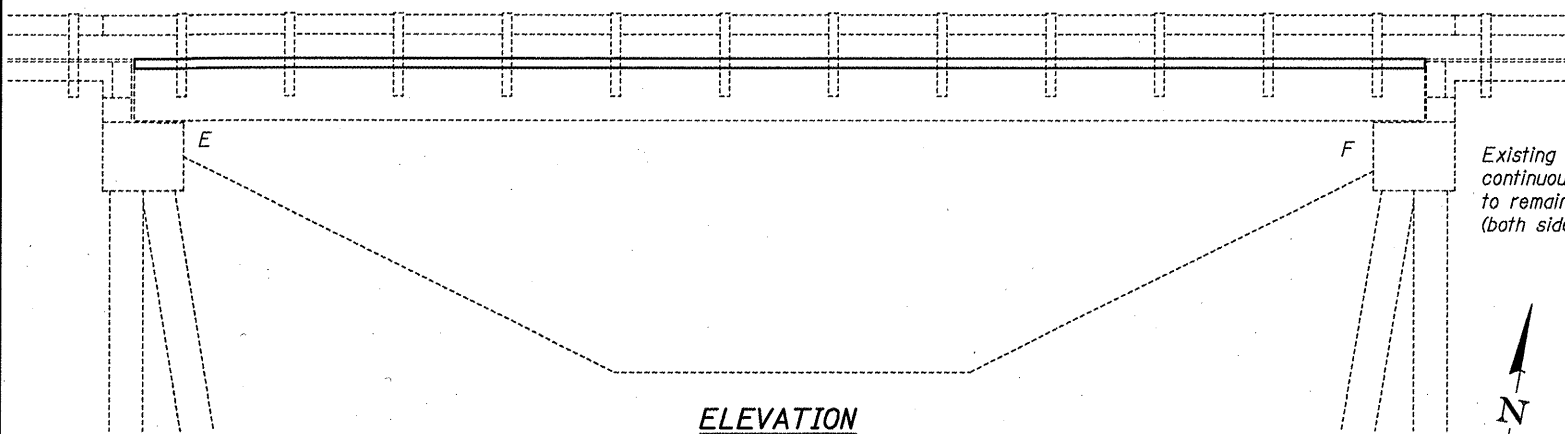
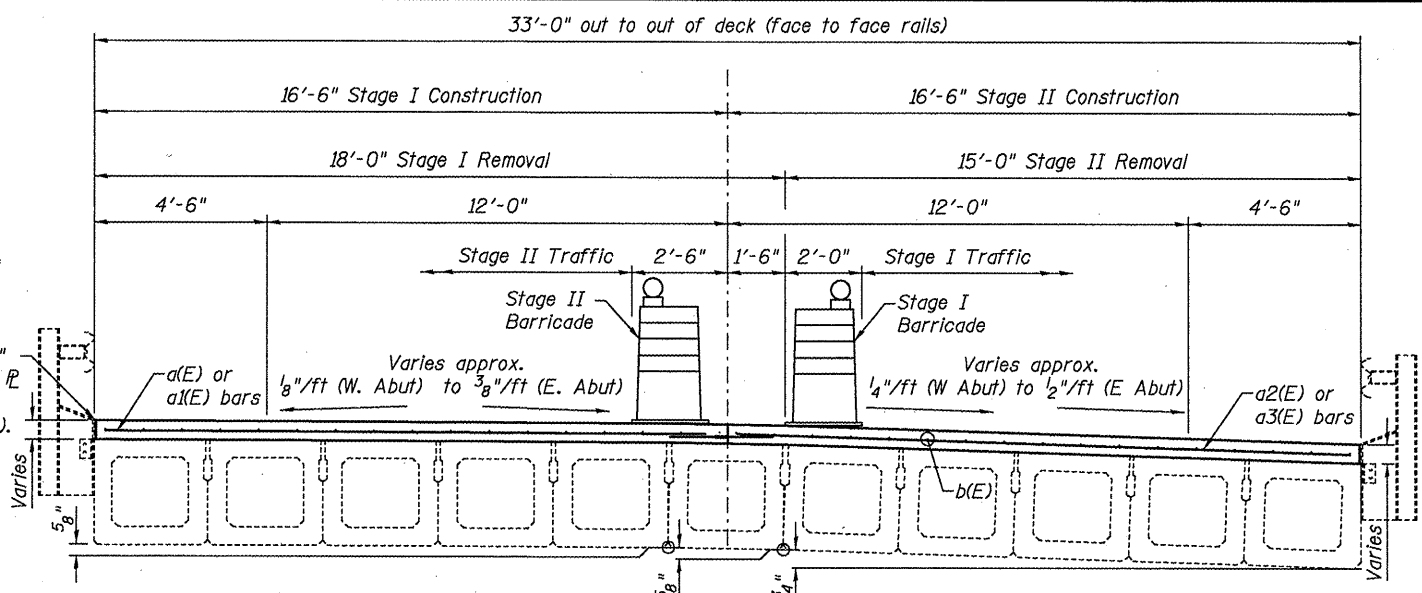


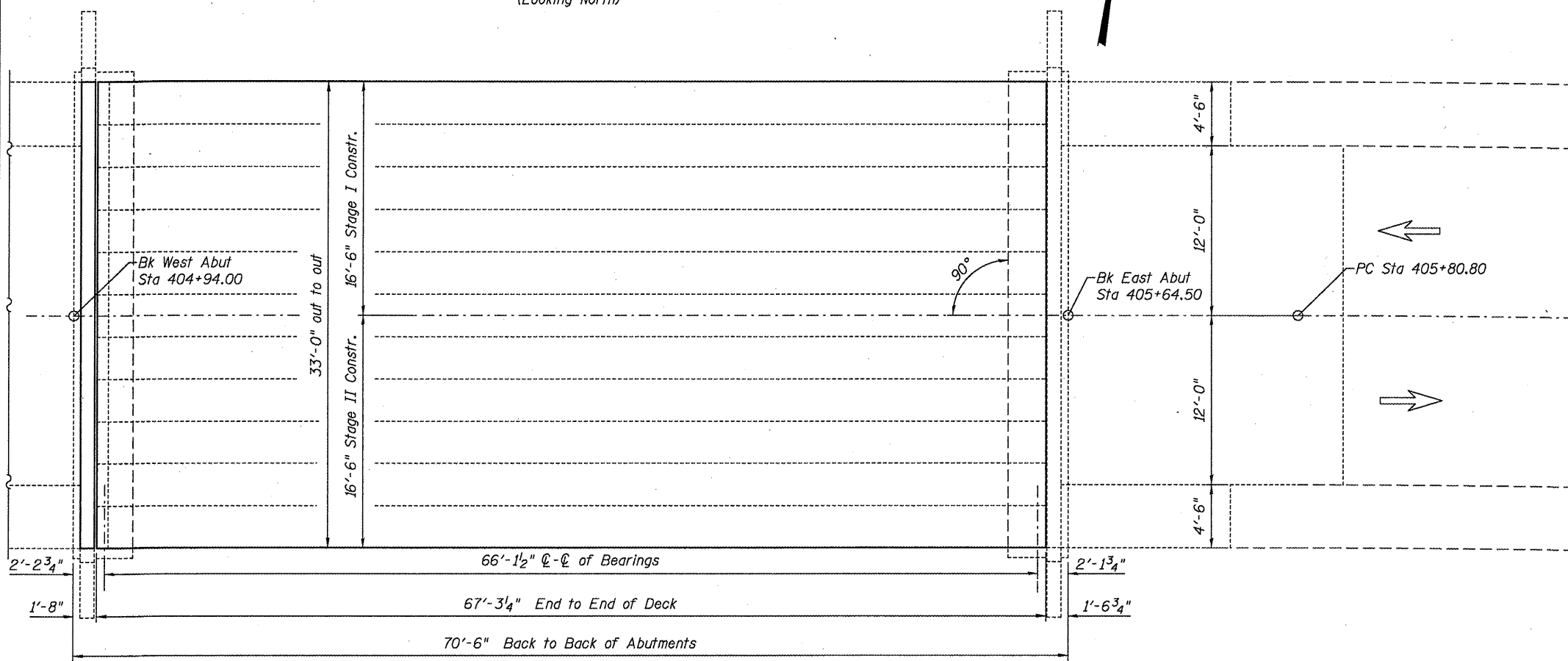
Existing Structure: SN 067-0033 was built in 1990 as FAP 829, Section 102BR-3.  
 It is a simple span structure consisting of 11-33"x36" PPC deck beams supported on pile bent abutments.  
 The existing variable depth HMA overlay shall be replaced with a variable depth reinforced concrete overlay.  
 One lane of traffic shall be maintained with staged construction.



**ELEVATION**  
(Looking North)



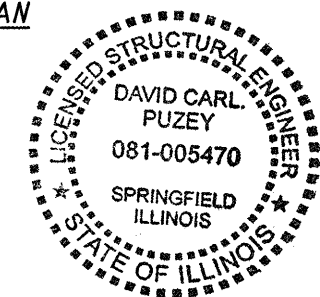
**CROSS SECTION**  
(Looking East)



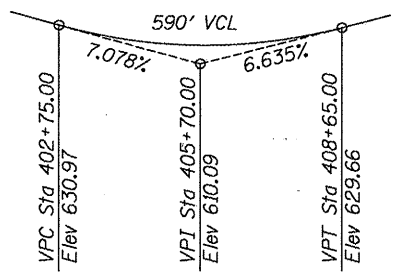
**PLAN**

**CURVE DATA**

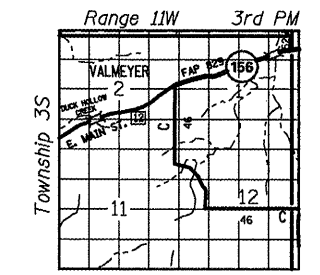
$\Delta = 30^\circ 32'$   
 $D = 4^\circ 10'$   
 $T = 375.4'$   
 $L = 732.96'$   
 $E = 50.3'$   
 $R = 1375.4'$   
 $S.E. = 0.08'/ft.$   
 $P.C. = Sta. 405+80.8$   
 $P.T. = Sta. 413+13.76$   
 $P.I. = Sta. 409+56.2$   
 $SE$  Attained: Sta 404+84.80 to Sta 406+28.80



Expires 11/30/2012



**PROFILE GRADE**



**LOCATION SKETCH**

**GENERAL NOTES**

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
 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.  
 The quantity for "Key Repair" has been estimated as 25% of all of the keyways. The Engineer shall determine the actual quantities after removal of the HMA wearing surface.  
 The existing 1/2"  $\bar{E}$ 's along the sides of the existing overlay, and both 1"  $\bar{E}$ 's at the east abutment, shall be cleaned prior to placement of the new concrete overlay. Since the existing  $\bar{E}$ 's along the sides of bridge are shorter than the overlay, the contractor shall not match the overlay with the height of the side  $\bar{E}$ 's. The contractor may taper the overlay down to the  $\bar{E}$ 's, or install forms above the  $\bar{E}$ 's.  
 The thickness of the existing HMA wearing surface shall be measured at each side and  $\bar{E}$ , along the 4 points of the bridge. The new concrete overlay shall match the thickness of the existing overlay to maintain the superelevation transition.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	2.9
Protective Coat	Sq. Yd.	249
Reinforcement Bars, Epoxy Coated	Pound	3,530
Bar Splicers	Each	77
Preformed Joint Strip Seal	Foot	35.0
Concrete Wearing Surface, Variable Depth	Cu. Yd.	34.4
Hot-Mix Asphalt Surface Removal Complete	Sq. Yd.	245
Silicone Joint Sealer, 1"	Foot	33.0
Keyway Repair	Foot	170
<b>Bridge Deck Grooving</b>	<b>Sq Yd</b>	<b>249</b>

DESIGNED Brad Williams	EXAMINED <i>Jan F. [Signature]</i>	DATE 3/16/11
CHECKED John Uehle	PASSED <i>John Uehle</i>	
DRAWN Brad Williams		
CHECKED John Uehle		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 067-0033**

SHEET NO. 1 OF 4 SHEETS

F.A.P. RTE. 829	SECTION 102BR-3-1	COUNTY MONROE	TOTAL SHEETS 6	SHEET NO. 3
			CONTRACT NO. 76E24	
ILLINOIS FED. AID PROJECT				