

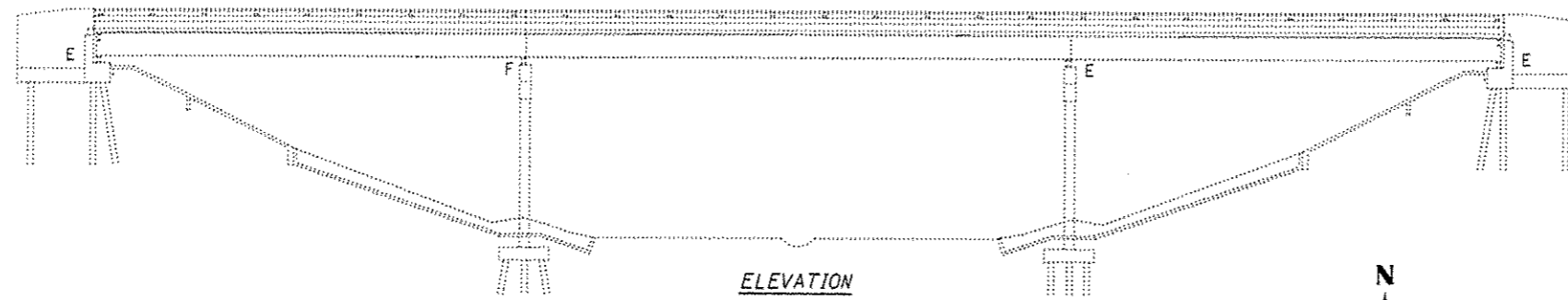
GENERAL NOTES

The bridge deck surface shall be cleaned with oil-free compressed air or wire brushes to remove all oil, grime, and loose particles. Surfaces that will not respond to cleaning by compressed air or wire brushes shall be cleaned by sandblasting.

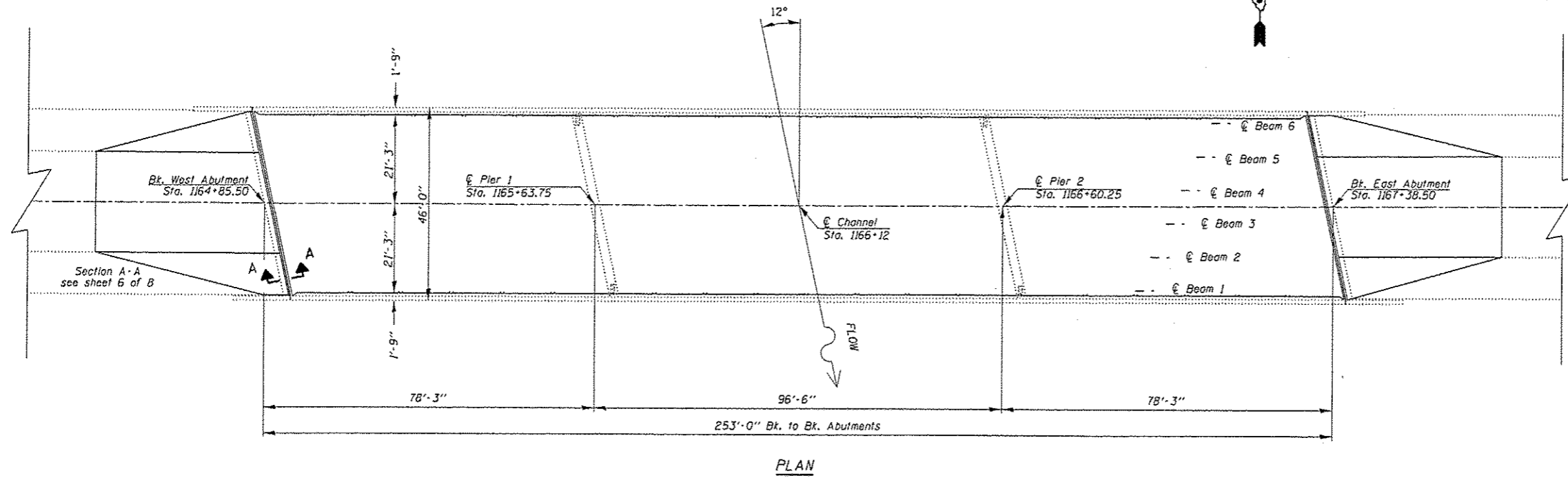
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

Maintain existing deck drain openings and transition asphalt overlay at each drain location.

The removal of the existing neoprene joint, sawing and accessories shall be included in the cost of Silicone Joint Sealer, 2.5".



ELEVATION



PLAN

SCOPE OF WORK

Deck Slab Repair (Full Depth Type II) and Deck Slab Repair (Partial) with a 2" HMA Overlay with prime coat applied to the bridge deck with surface removal butt joints in the approach pavements. Neoprene joints will be removed and replaced with Silicone Joint Sealer, 2.5" and Polymer Concrete.

CURVE DATA

F.A.P. ROUTE 331
 P.I. Sta. 1159+47.81
 $\Delta = 2^{\circ}-52'-10''$
 $D = 0^{\circ}-08'-30''$
 $R = 40,444'$
 $T = 1012.95'$
 $L = 2025.50'$
 $E = 1268'$

DESIGN STRESSES

$f_c = 1200$ psi Deck Slab
 $f_c = 1400$ psi Curb, Parapet, Sub
 $f_s = 20000$ psi Reinforcement
 $f_s = 20000$ psi Structure
 $V_c = 75$ psi Flgs.
 $n = 10$

Allowable Live Load Deflection 2/1000
 Loading HS 20-44



David Carl Puzey 3/7/14
Expires 11/30/14

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bituminous Materials (Prime Coat)	Gallon	135
Hot-Mix Asphalt Surface Course, Mix "C", N90	Ton	156
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	18
Deck Slab Repair (Partial)	Sq. Yd.	107
Silicone Joint Sealer, 2.5"	Foot	87
Polymer Concrete	Cu. Ft.	17.1

FILE NAME: c:\pwworkspace\adams\102584341\78384-design.dgn	USER NAME: #USER#	DESIGNED/DRAWN: DRAWN RAW	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION		F.A.P. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:	
#MODELNAME#	PLLOT SCALE: 3/8"=1'-0"	CHECKED/TWH	REVISED: -		SCALE:	SHEET OF	SHEETS	STA. TO STA.	331	**	SALINE	8 5
	PLLOT DATE: 1/31/2014	DATE: -	REVISED: -								CONTRACT NO. 78384	
											ILLINOIS FED. AID PROJECT	

** D9 CM DECK PATCH & RES 2014-1