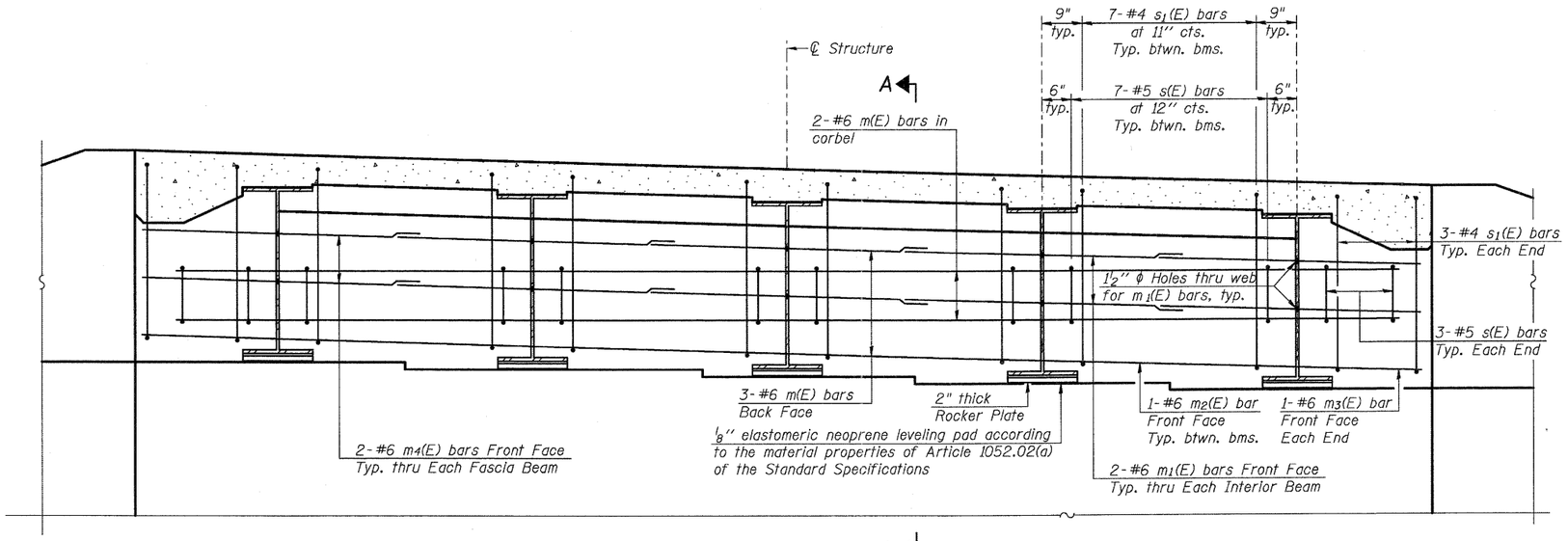
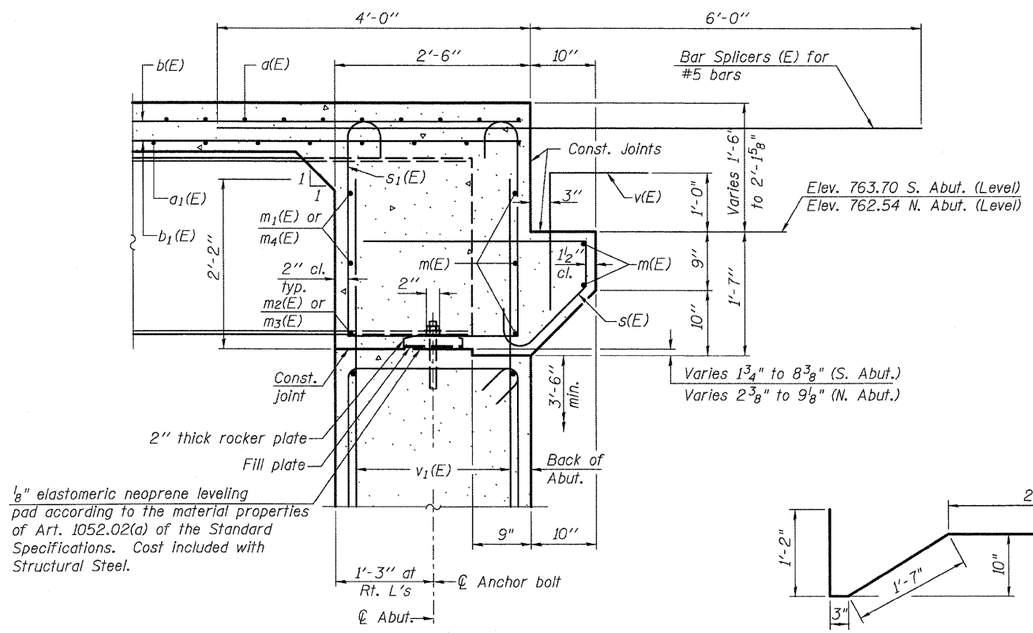
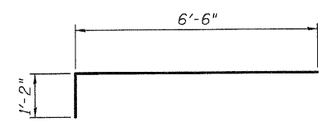


DIAPHRAGM ELEVATION AT ABUTMENT

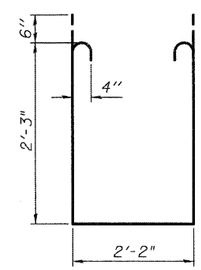


SECTION A-A

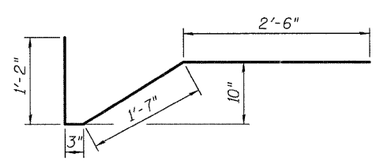
Dimensions at right angles to abutment, except as shown.



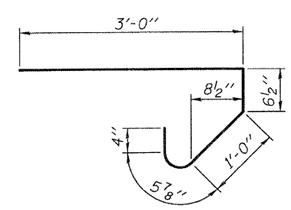
BAR $a_2(E)$



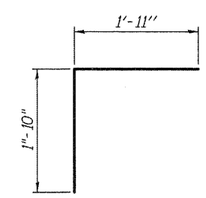
BAR $s_1(E)$



BAR $a_3(E)$



BAR s(E)



BAR v(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	117	#5	31'-6"	
a_1(E)	71	#5	31'-0"	
a_2(E)	234	#6	7'-8"	
a_3(E)	142	#5	5'-6"	
b(E)	66	#5	30'-8"	
b_1(E)	108	#5	21'-6"	
m(E)	10	#6	31'-8"	
m_1(E)	12	#6	10'-4"	
m_2(E)	8	#6	6'-8"	
m_3(E)	4	#6	1'-8"	
m_4(E)	8	#6	7'-0"	
s(E)	68	#5	5'-5"	
s_1(E)	68	#4	7'-8"	
v(E)	66	#5	3'-9"	
Reinforcement Bars, Epoxy Coated		Pound	16,010	
Bridge Deck Grooving		Sq. Yd.	206	
Protective Coat		Sq. Yd.	226	
Concrete Superstructure		Cu. Yd.	67.8	

Notes:

Concrete in diaphragm is included with Concrete Superstructure.

The s(E) and s_1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP

#6 bar = 3'-4"

FILE NAME = W:\Projects\2010\100825 Burr-Ferson11\cadd\Structural\Dgn\B453080-009-SuperDetails.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - HLF	REVISED -	
	CHECKED - AEU	REVISED -	
PLOT SCALE =	DRAWN - HLF	REVISED -	
PLOT DATE = 10/18/2011	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 045-3080

SHEET NO. 9 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	42
		CONTRACT NO. 63645		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		