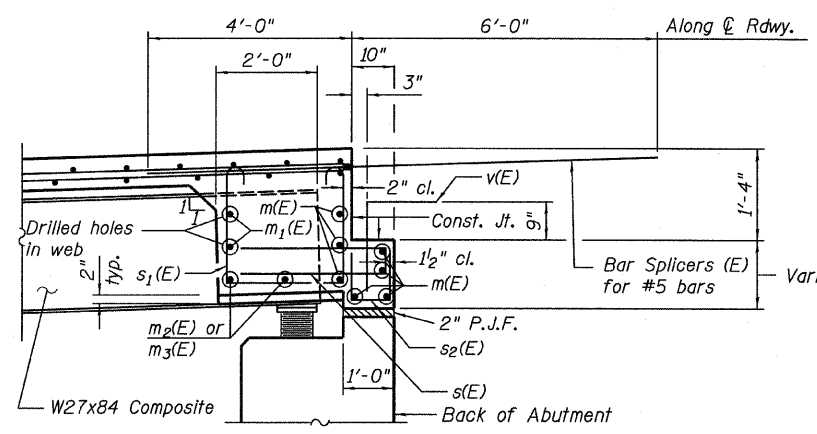


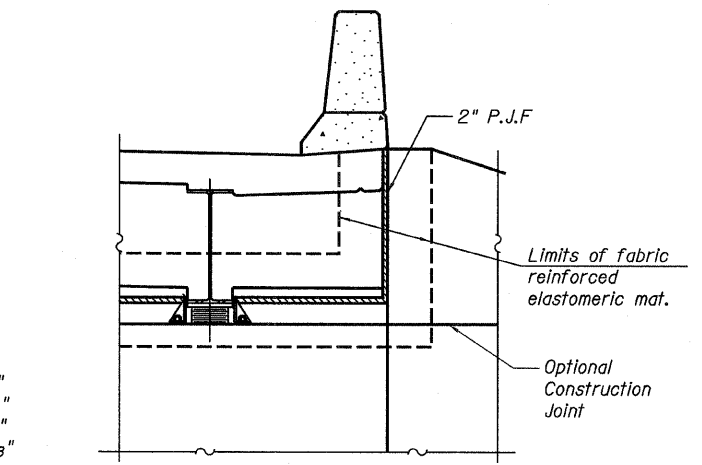
**MINIMUM BAR LAP**  
#6 bar = 4'-5"

**DIAPHRAGM ELEVATION AT ABUTMENT**



**SECTION A-A**

Dimensions at right angles to abutment, except as shown.



**FABRIC REINFORCED ELASTOMERIC MAT DETAIL**

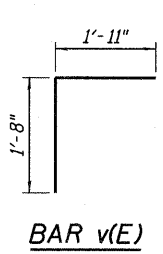
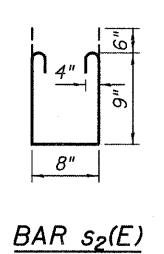
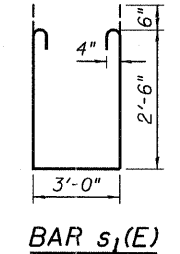
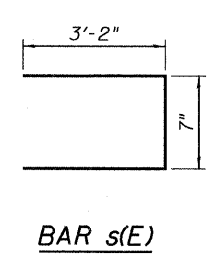
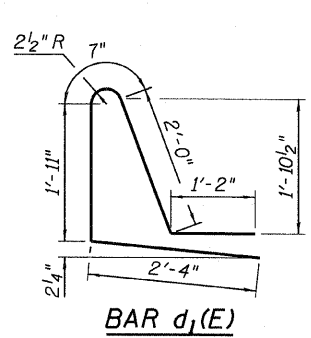
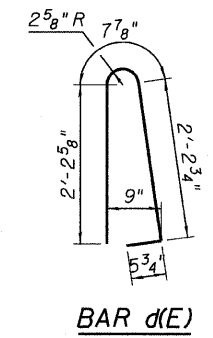
See sheet 2 of 37 for additional information.

**SUPERSTRUCTURE**  
**BILL OF MATERIAL - W.B. BRIDGE**

Bar	No.	Size	Length	Shape
d(E)	232	#5	42'-6"	—
a <sub>1</sub> (E)	180	#5	41'-9"	—
a <sub>2</sub> (E)	228	#6	6'-6"	—
a <sub>3</sub> (E)	4	#5	45'-7"	—
b(E)	230	#5	29'-11"	—
b <sub>1</sub> (E)	86	#6	27'-6"	—
b <sub>2</sub> (E)	246	#5	25'-6"	—
d(E)	300	#5	5'-7"	□
d <sub>1</sub> (E)	300	#5	8'-0"	□
e(E)	28	#4	16'-5"	—
e <sub>1</sub> (E)	4	#8	35'-11"	—
e <sub>2</sub> (E)	4	#4	35'-11"	—
e <sub>3</sub> (E)	64	#4	6'-0"	—
e <sub>4</sub> (E)	8	#8	6'-0"	—
e <sub>5</sub> (E)	56	#4	19'-2"	—
e <sub>6</sub> (E)	2	#8	38'-8"	—
e <sub>7</sub> (E)	2	#4	38'-8"	—
m(E)	14	#6	45'-7"	—
m <sub>1</sub> (E)	24	#6	12'-3"	—
m <sub>2</sub> (E)	20	#6	7'-6"	—
m <sub>3</sub> (E)	8	#6	3'-2"	—
s(E)	92	#5	6'-11"	□
s <sub>1</sub> (E)	82	#4	9'-0"	□
s <sub>2</sub> (E)	92	#5	3'-2"	□
v(E)	82	#5	3'-7"	□
Reinforcement Bars, Epoxy Coated		POUND	47,640	
Concrete Superstructure		CU YD	219.7	

**SUPERSTRUCTURE**  
**BILL OF MATERIAL - E.B. BRIDGE**

Bar	No.	Size	Length	Shape
d(E)	232	#5	42'-6"	—
a <sub>1</sub> (E)	180	#5	41'-9"	—
a <sub>2</sub> (E)	228	#6	6'-6"	—
a <sub>3</sub> (E)	4	#5	45'-7"	—
b(E)	230	#5	29'-11"	—
b <sub>1</sub> (E)	86	#6	27'-6"	—
b <sub>2</sub> (E)	246	#5	25'-6"	—
d(E)	300	#5	5'-7"	□
d <sub>1</sub> (E)	300	#5	8'-0"	□
e(E)	28	#4	16'-5"	—
e <sub>1</sub> (E)	4	#8	35'-11"	—
e <sub>2</sub> (E)	4	#4	35'-11"	—
e <sub>3</sub> (E)	64	#4	6'-0"	—
e <sub>4</sub> (E)	8	#8	6'-0"	—
e <sub>5</sub> (E)	56	#4	19'-2"	—
e <sub>6</sub> (E)	2	#8	38'-8"	—
e <sub>7</sub> (E)	2	#4	38'-8"	—
m(E)	14	#6	45'-7"	—
m <sub>1</sub> (E)	24	#6	12'-3"	—
m <sub>2</sub> (E)	20	#6	7'-6"	—
m <sub>3</sub> (E)	8	#6	3'-2"	—
s(E)	92	#5	6'-11"	□
s <sub>1</sub> (E)	82	#4	9'-0"	□
s <sub>2</sub> (E)	92	#5	3'-2"	□
v(E)	82	#5	3'-7"	□
Reinforcement Bars, Epoxy Coated		POUND	47,640	
Concrete Superstructure		CU YD	219.7	



**NOTES:**

- See Sheets 9 and 10 of 37 for superstructure details.
- Concrete in diaphragm is included with Concrete Superstructure.
- The s(E), s<sub>1</sub>(E) and s<sub>2</sub>(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

FILE NAME =	USER NAME =	DESIGNED - DY	REVISOR -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUPERSTRUCTURE DETAILS - 3 STRUCTURE NO. 006-0020 EB AND 006-0021 WB</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
<b>TYLIN INTERNATIONAL</b>		CHECKED - PF	REVISOR -			80	(106-SHBR-1, VBR/06-6)RS-3&I	BUREAU	249	78	
PLOT SCALE =		DRAWN - DY	REVISOR -			CONTRACT NO. 66686					
PLOT DATE = 09/13/2011		CHECKED - PF	REVISOR -			ILLINOIS FED. AID PROJECT					

#FILE#

#FILES

#DATES