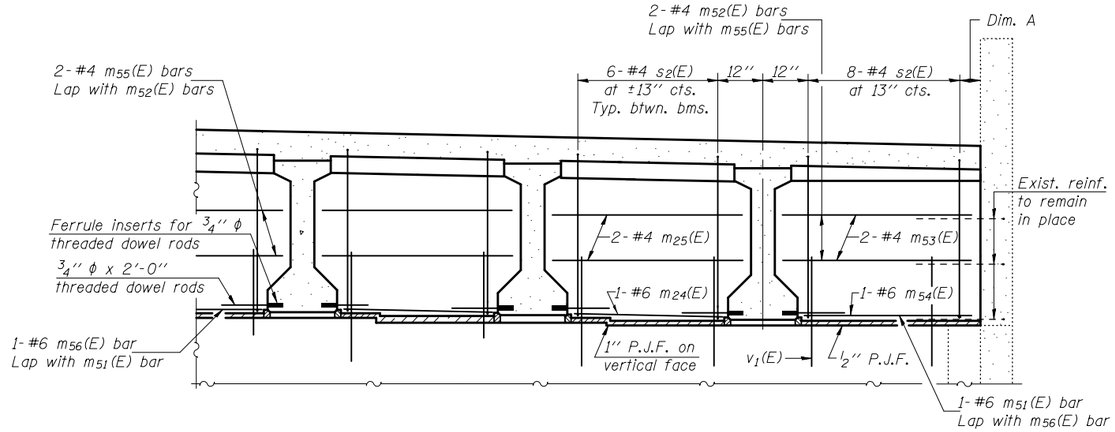
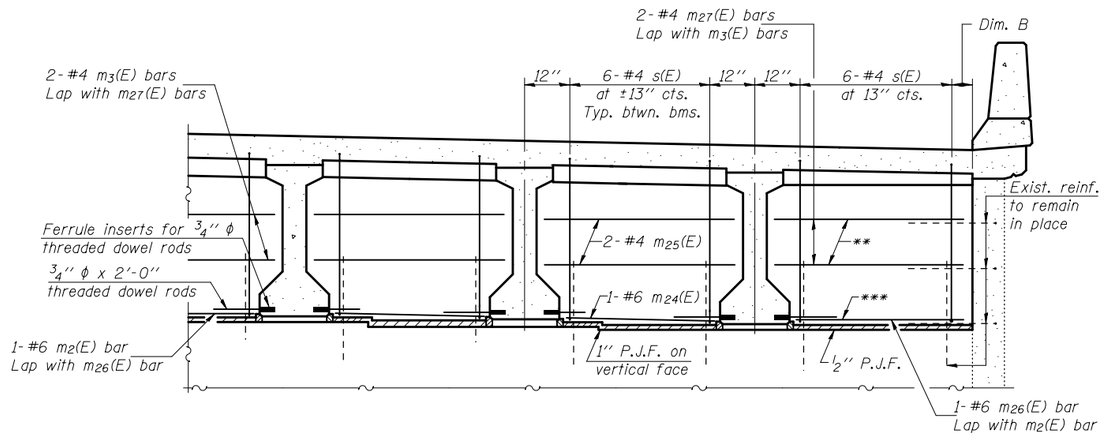
Dim. A = 2½" (North end), 2" (South end)



DIAPHRAGM AT APPROACH BENT

For location of $m_{24}(E)$, $m_{25}(E)$, and $m_{51}(E)$ thru $m_{56}(E)$ bars, see Section A-A on sheet 34 of 62.

Dim. B = ±2" (North end), 7" (South end)



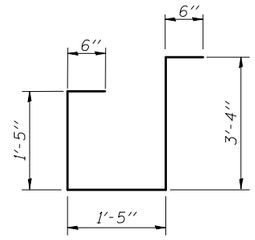
DIAPHRAGM AT ABUTMENT

For location of $m_2(E)$, $m_3(E)$, $m_{24}(E)$ thru $m_{28}(E)$, $m_{31}(E)$ & $m_{32}(E)$ bars, see Section B-B on sheet 34 of 62.

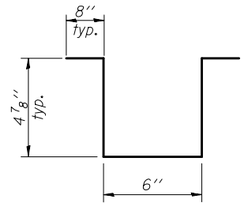
**2-#4 $m_{28}(E)$ bars (North end)
2-#4 $m_{31}(E)$ bars (South end)
***1-#6 $m_{21}(E)$ bar (North end)
1-#6 $m_{32}(E)$ bar (South end)

MIN. BAR LAPS

#4 bar = 2'-7"
#6 bar = 3'-10"



BAR $s_2(E)$



BAR $s_5(E)$

ONE APPROACH SLAB BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a_2(E)$	56	#6	6'-0"	——
$a_{16}(E)$	56	#5	33'-3"	——
$a_{17}(E)$	42	#5	22'-0"	——
$a_{18}(E)$	56	#5	26'-1"	——
$a_{19}(E)$	42	#5	37'-3"	——
$b_7(E)$	96	#5	33'-3"	——
$b_8(E)$	12	#5	31'-3"	——
$b_{13}(E)$	12	#4	32'-7"	——
$d(E)$	70	#5	5'-7"	⌐
$d_3(E)$	70	#5	7'-11"	L
$e_{12}(E)$	16	#4	31'-3"	——
$e_{13}(E)$	2	#8	31'-3"	——
$m_2(E)$	1	#6	29'-0"	——
$m_3(E)$	2	#4	28'-3"	——
$m_{21}(E)$	1	#6	5'-5"	——
$m_{24}(E)$	10	#6	5'-8"	——
$m_{25}(E)$	20	#4	6'-8"	——
$m_{26}(E)$	1	#6	25'-7"	——
$m_{27}(E)$	2	#4	25'-1"	——
$m_{28}(E)$	2	#4	6'-0"	——
$m_{31}(E)$	2	#4	6'-5"	——
$m_{32}(E)$	1	#6	5'-11"	——
$m_{51}(E)$	1	#6	31'-0"	——
$m_{52}(E)$	2	#4	30'-3"	——
$m_{53}(E)$	4	#4	8'-3"	——
$m_{54}(E)$	2	#6	7'-9"	——
$m_{55}(E)$	2	#4	27'-1"	——
$m_{56}(E)$	1	#6	27'-7"	——
$s(E)$	42	#4	8'-9"	⊔
$s_2(E)$	46	#4	7'-2"	⊔
$s_5(E)$	198	#4	2'-8"	⊔
$v(E)$	56	#5	3'-9"	⌐
Reinforcement Bars, Epoxy Coated			Pound	13,640
Concrete Superstructure			Cu. Yd.	72.7

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED K.A. KLUES	REVISED - 12/17/12 DHC/JKS Del. Staging (IDOT)	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORNER & SHIFRIN, INC ENGINEERS	SUPERSTRUCTURE DETAILS – SPAN 4 (W.B.) STRUCTURE NOS. 072-0119 (E.B.) & 072-0120 (W.B.)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		CHECKED E.M. LAGEMANN					474	(72-3HB-1),I	PEORIA	88 / 52
	PLOT SCALE =	DRAWN K.A. KLUES	REVISED -			SHEET NO. 36 OF 62 SHEETS				CONTRACT NO. 68883
	PLOT DATE = $DATE$	CHECKED E.M. LAGEMANN	REVISED -						ILLINOIS	FED. AID PROJECT