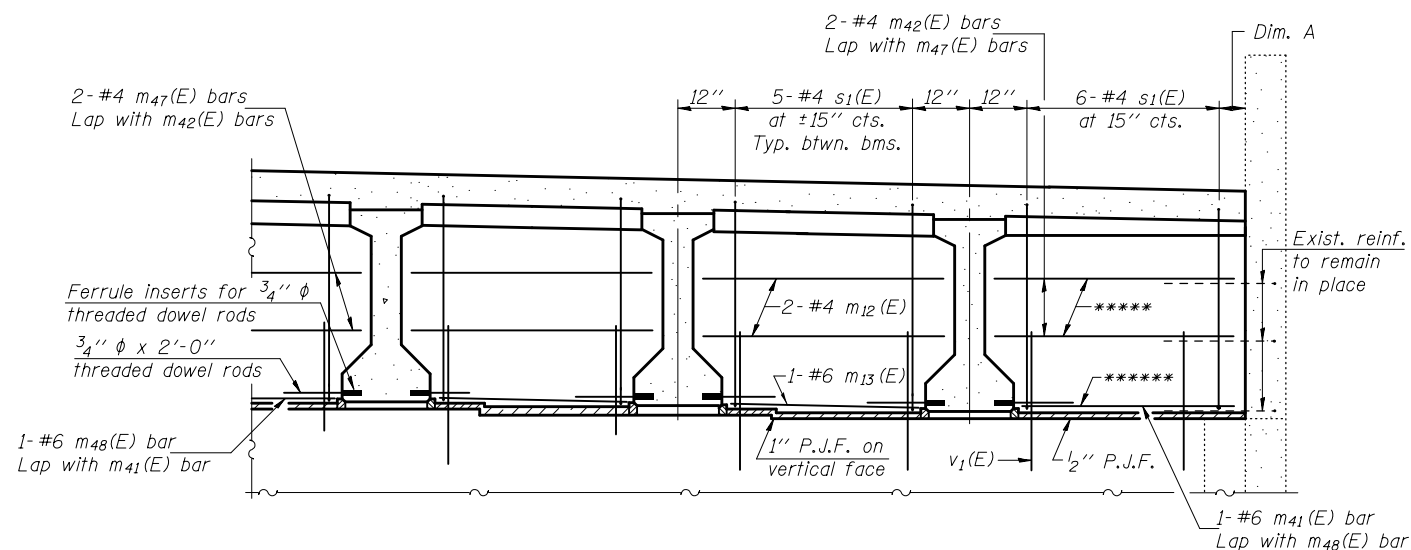


Dim. A = ±4<sup>3</sup>/<sub>8</sub>" (South end), 12" (North end)

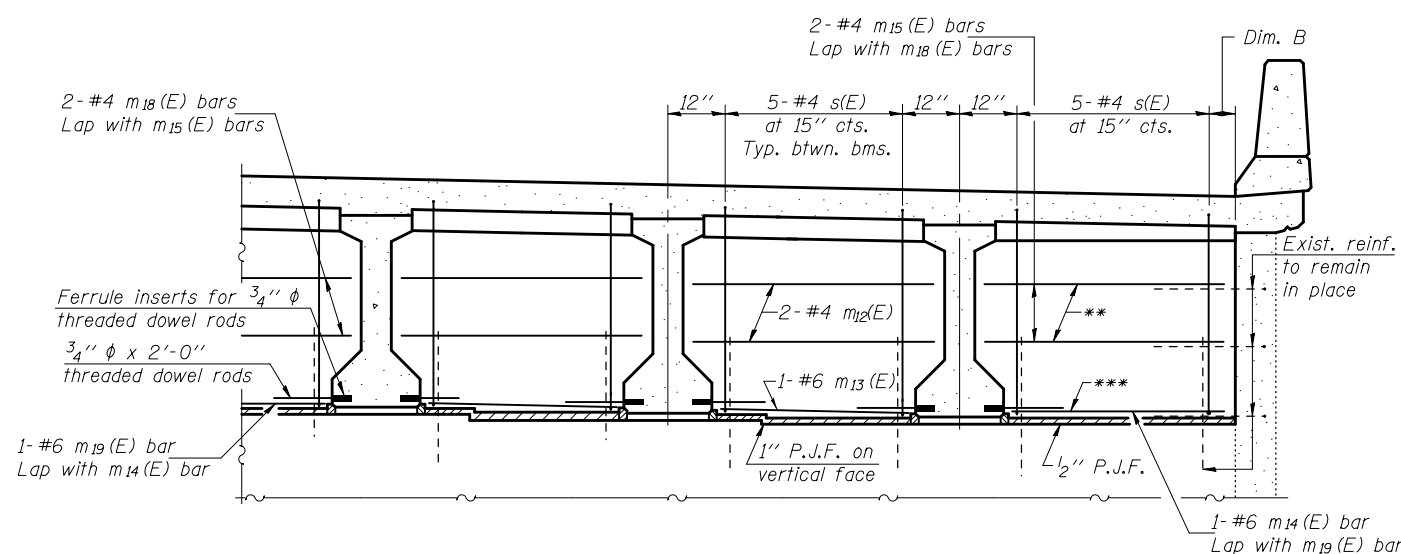


**DIAPHRAGM AT APPROACH BENT**

For location of m12(E), m13(E), and m41(E) thru m48(E) bars, see Section A-A on sheet 25 of 62.

\*\*\*\*\*2-#4 m43(E) bars (South end)  
2-#4 m45(E) bars (North end)  
\*\*\*\*\*1-#6 m44(E) bar (South end)  
1-#6 m46(E) bar (North end)

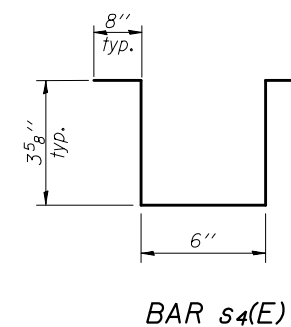
Dim. B = 4<sup>3</sup>/<sub>8</sub>" (South end), 6" (North end)



**DIAPHRAGM AT ABUTMENT**

For location of m4(E), m5(E), m12(E) thru m15(E), and m18(E) thru m21(E) bars, see Section A-A on sheet 25 of 62.

\*\*2-#4 m4(E) bars (South end)  
2-#4 m20(E) bars (North end)  
\*\*\*1-#6 m5(E) bar (South end)  
1-#6 m21(E) bar (North end)



**MIN. BAR LAPS**

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

**ONE APPROACH SLAB  
BILL OF MATERIAL**

| Bar                              | No. | Size    | Length  | Shape |
|----------------------------------|-----|---------|---------|-------|
| a2(E)                            | 64  | #6      | 6'-0"   | —     |
| a8(E)                            | 66  | #5      | 22'-0"  | —     |
| a9(E)                            | 50  | #5      | 34'-7"  | —     |
| a0(E)                            | 66  | #5      | 33'-7"  | —     |
| a1(E)                            | 50  | #5      | 21'-2"  | —     |
| b(E)                             | 92  | #5      | 40'-2"  | —     |
| b1(E)                            | 12  | #5      | 38'-2"  | —     |
| b2(E)                            | 4   | #4      | 39'-7"  | —     |
| d(E)                             | 86  | #5      | 5'-7"   | ⌋     |
| d1(E)                            | 86  | #5      | 7'-9"   | ⌋     |
| e(E)                             | 16  | #4      | 38'-2"  | —     |
| e1(E)                            | 2   | #8      | 38'-2"  | —     |
| m4(E)                            | 2   | #4      | 5'-9"   | —     |
| m5(E)                            | 1   | #6      | 5'-3"   | —     |
| m2(E)                            | 20  | #4      | 6'-2"   | —     |
| m3(E)                            | 10  | #6      | 5'-2"   | —     |
| m4(E)                            | 1   | #6      | 27'-7"  | —     |
| m5(E)                            | 2   | #4      | 26'-3"  | —     |
| m8(E)                            | 2   | #4      | 23'-11" | —     |
| m9(E)                            | 1   | #6      | 23'-9"  | —     |
| m20(E)                           | 2   | #4      | 5'-11"  | —     |
| m21(E)                           | 1   | #6      | 5'-5"   | —     |
| m41(E)                           | 1   | #6      | 25'-6"  | —     |
| m42(E)                           | 2   | #4      | 25'-6"  | —     |
| m43(E)                           | 2   | #4      | 7'-1"   | —     |
| m44(E)                           | 1   | #6      | 6'-7"   | —     |
| m45(E)                           | 2   | #4      | 7'-9"   | —     |
| m46(E)                           | 1   | #6      | 7'-3"   | —     |
| m47(E)                           | 2   | #4      | 27'-8"  | —     |
| m48(E)                           | 1   | #6      | 28'-11" | —     |
| s(E)                             | 35  | #4      | 8'-9"   | ⌋     |
| s1(E)                            | 37  | #4      | 7'-6"   | ⌋     |
| s4(E)                            | 80  | #4      | 2'-6"   | ⌋     |
| v(E)                             | 53  | #5      | 3'-9"   | ⌋     |
| Reinforcement Bars, Epoxy Coated |     | Pound   | 14,820  |       |
| Concrete Superstructure          |     | Cu. Yd. | 79.2    |       |

|                    |                    |                       |                            |
|--------------------|--------------------|-----------------------|----------------------------|
| FILE NAME =        | USER NAME = #USER* | DESIGNED K.A. KLUES   | REVISED - 12/17/12 DHC/JKS |
| #FILE*             |                    | CHECKED E.M. LAGEMANN | Del. Staging (IDOT)        |
| PLOT SCALE =       |                    | DRAWN K.A. KLUES      | REVISED -                  |
| PLOT DATE = #DATE* |                    | CHECKED E.M. LAGEMANN | REVISED -                  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HORNER &  
SHIRIN, INC.  
ENGINEERS

SUPERSTRUCTURE DETAILS - SPAN 4 (E.B.)  
STRUCTURE NOS. 072-0119 (E.B.) & 072-0120 (W.B.)

|                           |              |        |              |           |
|---------------------------|--------------|--------|--------------|-----------|
| F.A.I. RTE.               | SECTION      | COUNTY | TOTAL SHEETS | SHEET NO. |
| 474                       | (72-3HB-1),I | PEORIA | 88           | 43        |
| CONTRACT NO. 68883        |              |        |              |           |
| ILLINOIS FED. AID PROJECT |              |        |              |           |

SHEET NO. 27 OF 62 SHEETS