

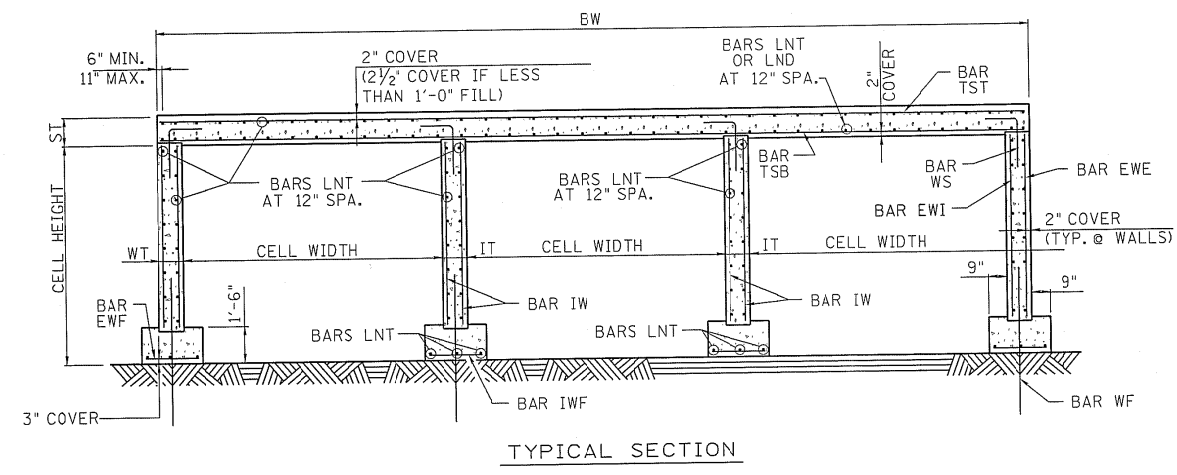
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|-------------|------|-----------|-------------------|
| CONST. NO. | | | |
| PROJECT NO. | YEAR | SHEET NO. | |
| REVISIONS | | | |
| NO. | DATE | BY | BRIEF DESCRIPTION |
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| 3 @ 8 x 3 REINFORCED CONCRETE SLAB BRIDGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--------|--------|--------|----------|-----|-------------|------------|----------|-----|-------------|------------|----------|-----|-------------|------------|---------|-----|-------------|------------|--------|-----|-------------|------------|----------|----------|---------|---------|------------|----------------|--------------------|
| Fill Height ft. | Dimensions | | | | Bars TST | | | | Bars TSB | | | | Bars EWE | | | | Bar EWI | | | | Bar IW | | | | Bars LNT | Bars LND | Bars WS | Bars WF | Bars EWF | Concrete CY/LF | Reinf. Steel LB/LF |
| | ST in. | WT in. | IT in. | BW ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | No. | No. | No. | No. | Length ft. | | |
| No Fill | 8.5 | 8 | 8 | 26.67 | 6 | 2 | 6 | 26.16 | 8 | 1 | 12 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 4 | 12 | 1.50 | 46 | 24 | 4 | 4 | 1.66 | 1.26 | 334 |
| 3 | 8 | 8 | 8 | 26.67 | 9 | 1 | 12 | 26.16 | 8 | 1 | 12 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 4 | 12 | 1.50 | 46 | 24 | 4 | 4 | 1.66 | 1.28 | 344 |
| 5 | 8 | 8 | 8 | 26.67 | 7 | 1 | 12 | 26.16 | 4 | 2 | 6 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 4 | 12 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 1.28 | 266 |
| 10 | 9 | 8 | 8 | 26.67 | 7 | 1 | 12 | 26.15 | 4 | 2 | 6 | 26.15 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 4 | 12 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 1.37 | 266 |
| 20 | 10 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 7 | 2 | 6 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 4 | 12 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 1.45 | 302 |
| 30 | 14 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 9 | 1 | 12 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 4 | 12 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 1.76 | 284 |
| 40 | 17 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 9 | 1 | 12 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 5 | 4 | 12 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 2.02 | 286 |
| 50 | 20 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 9 | 1 | 12 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 5 | 4 | 12 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 2.27 | 286 |
| 60 | 22 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 7 | 2 | 6 | 26.16 | 4 | 2 | 12 | 1.50 | 4 | 2 | 12 | 1.50 | 4 | 8 | 6 | 1.50 | 72 | 0 | 4 | 4 | 1.66 | 2.44 | 306 |

| 3 @ 8 x 4 REINFORCED CONCRETE SLAB BRIDGE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------|--------|--------|--------|----------|-----|-------------|------------|----------|-----|-------------|------------|----------|-----|-------------|------------|---------|-----|-------------|------------|--------|-----|-------------|------------|----------|----------|---------|---------|------------|----------------|--------------------|
| Fill Height ft. | Dimensions | | | | Bars TST | | | | Bars TSB | | | | Bars EWE | | | | Bar EWI | | | | Bar IW | | | | Bars LNT | Bars LND | Bars WS | Bars WF | Bars EWF | Concrete CY/LF | Reinf. Steel LB/LF |
| | ST in. | WT in. | IT in. | BW ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | Size | No. | Spacing in. | Length ft. | No. | No. | No. | No. | Length ft. | | |
| No Fill | 8.5 | 8 | 8 | 26.67 | 6 | 2 | 6 | 26.17 | 8 | 1 | 12 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 4 | 12 | 2.50 | 54 | 24 | 4 | 4 | 1.66 | 1.39 | 344 |
| 3 | 8 | 8 | 8 | 26.67 | 9 | 1 | 12 | 26.17 | 8 | 1 | 12 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 4 | 12 | 2.50 | 54 | 24 | 4 | 4 | 1.66 | 1.38 | 355 |
| 5 | 8 | 8 | 8 | 26.67 | 7 | 1 | 12 | 26.17 | 4 | 2 | 6 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 4 | 12 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 1.33 | 376 |
| 10 | 9 | 8 | 8 | 26.67 | 7 | 1 | 12 | 26.15 | 4 | 2 | 6 | 26.15 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 4 | 12 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 1.46 | 376 |
| 20 | 10 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 7 | 2 | 6 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 4 | 12 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 1.55 | 312 |
| 30 | 14 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 9 | 1 | 12 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 4 | 12 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 1.88 | 294 |
| 40 | 17 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 9 | 1 | 12 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 5 | 4 | 12 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 2.12 | 298 |
| 50 | 20 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 9 | 1 | 12 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 5 | 4 | 12 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 2.37 | 298 |
| 60 | 22 | 8 | 8 | 26.67 | 4 | 3 | 12 | 8.66 | 7 | 2 | 6 | 26.16 | 4 | 2 | 12 | 2.50 | 4 | 2 | 12 | 2.50 | 4 | 8 | 6 | 2.50 | 80 | 0 | 4 | 4 | 1.66 | 2.53 | 319 |

Note: Maximum fill height is measured from the bottom of the top slab. To obtain the total fill height from the flow line, add the height of the box.
 Note: When top slab is the riding surface (No Fill), the concrete cover to the top mat of reinforcing shall be 2-1/2 inches.

The following bar information applies to all fill cases in the table above:
 Bars LNT Size = 4 Spacing = 12 in.
 Bars LND Size = 5 Spacing = 12 in.
 Bars WS Size = 8 Length = 5.00 ft. Spacing = 12 in.
 Bars WF Size = 8 Length = 6.00 ft. Spacing = 12 in.
 Bars IWF Size = 4 No. = 2 Spacing = 12 in. Length = 1.66 ft.
 Bars EWF Size = 4 No. = 2 Spacing = 12 in.



NOTE: FOR DESCRIPTIONS OF BOX DIMENSIONS AND REINFORCING BAR DESIGNATIONS SEE STANDARD DRAWING NO. STD-15-4.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 STANDARD REINFORCED CONCRETE
 SLAB BRIDGE
 INTERIOR SECTION
 SPANS: 3 BARREL AT 8'-0"
 CLEAR HEIGHTS 3'-0" THRU 4'-0"
 0' THRU 60' FILL
 2000

CORRECT *Edward P. Wasserman*
 ENGINEER OF STRUCTURES

DESIGNED BY _____ DATE _____
 DRAWN BY KEVIN MARTINKO DATE 3-00
 SUPERVISED BY FIELDS & HOLLORAN DATE 3-00
 CHECKED BY _____ DATE _____

STD-15-136