

**AT MSE WINGWALLS**

**AT WINGWALLS  
PARALLEL TO BRIDGE**

**APPROACH SLAB PLAN**  
INSTALLATION (WHEN APPLICABLE)  
(A1 ABUT. SHOWN - A3 ABUT. SIMILAR)

**DESIGNER NOTES**

STRUCTURAL APPROACH SLABS SHALL BE USED ON ALL I.H. BRIDGES AND U.S.H. BRIDGES. STRUCTURAL APPROACH SLABS ARE RECOMMENDED FOR BRIDGES CARRYING TRAFFIC VOLUMES GREATER THAN 3500 AADT (FUTURE DESIGN YEAR). OTHER LOCATIONS CAN BE CONSIDERED WITH THE APPROVAL OF THE CHIEF STRUCTURAL DESIGN ENGINEER. SEE BRIDGE MANUAL SECTION 12.11 FOR ADDITIONAL GUIDANCE.

STRUCTURAL APPROACH SLABS TO BE PART OF THE BRIDGE PLAN. BID ITEMS ARE CONCRETE MASONRY BRIDGES. BAR STEEL REINFORCEMENT HIS COATED STRUCTURES, ETC. POLYETHYLENE SHEETS SHALL BE INCIDENTAL TO CONCRETE MASONRY BRIDGES.

QUANTITIES FOR APPROACH SLABS SHALL BE SHOWN IN A SEPARATE COLUMN WITHIN THE TOTAL ESTIMATED QUANTITIES TABLE IN THE FINAL PLANS.

◆ CONSTRUCTION JOINT REQUIRED WHEN WIDTH OF SUPERSTRUCTURE EXCEEDS 90'. RUN REINFORCEMENT THROUGH THE JOINT.

LONGITUDINAL APPROACH SLAB REINFORCEMENT SHALL BE PLACED PARALLEL TO THE APPROACH (I.E., NOT NORMAL TO THE C/L ABUTMENT WITH SKEWED STRUCTURES).

STRUCTURE APPROACH SLABS TO BE DETAILED TO MATCH THE BRIDGE DECK (I.E., PROTECTIVE SURFACE TREATMENT, STAINLESS STEEL REINFORCEMENT, LONGITUDINAL GROOVING, ETC.). WHERE HIGH PERFORMANCE CONCRETE IS USED AT THE BRIDGE DECK, HPC SHALL BE USED FOR THE APPROACH SLAB ONLY (I.E., HPC IS NOT REQUIRED FOR APPROACH SLAB FOOTING).

★ THE BID ITEM FOR S5901 AND S5601 BARS SHALL BE STANDARD SPECIAL PROVISION "BAR STEEL REINFORCEMENT HIS STAINLESS STRUCTURES".

DESIGNER TO COORDINATE LOCATION OF SURFACE DRAINS, INLETS, AND/OR FLUMES WITH ROADWAY DESIGNER AND THE FDM.

SEE STANDARD 9.01 FOR BACKFILL AND BASE AGGREGATE DENSE 1-1/2 INCH DETAILS.

SHOW "DESIGN DATA" INFORMATION ON FIRST SHEET OF PLANS

**DESIGN DATA**

CONCRETE STRENGTH (STRUCTURAL APPROACH SLAB AND FOOTING),  $f'_c$ : 4,000 P.S.I.  
BAR STEEL REINFORCEMENT, GRADE 60,  $f_y$ : 60,000 P.S.I.  
ALLOWABLE SOIL BEARING PRESSURE: 2,000 P.S.F.

**LEGEND**

▲ SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER. (1" DEEP AND HOLD 1/2" BELOW SURFACE OF CONCRETE).

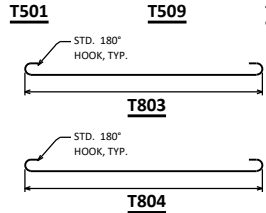
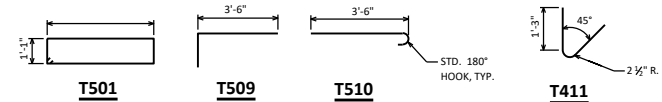
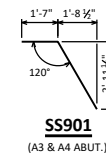
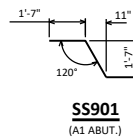
● SEE PARAPET STANDARD DETAILS FOR LOCATION OF NAME PLATE AND BENCH MARK WITH RESPECT TO THE END OF PARAPET.

**BILL OF BARS**

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

| BAR MARK | COY | NO. REQ'D | LENGTH | BEND | BAR SERIES | LOCATION                            |
|----------|-----|-----------|--------|------|------------|-------------------------------------|
| SS901    |     |           | 5'-0"  | X    |            | CONC. ABUT. DIAPH. TO APPROACH SLAB |
| SS901    |     |           | 5'-0"  | X    |            | CONC. BACKWALL TO APPROACH SLAB     |
| SS601    |     |           | 3'-0"  |      |            | STRUCTURE SLAB TO APPROACH SLAB     |

| BAR MARK | COY | NO. REQ'D | LENGTH | BEND | BAR SERIES | LOCATION                            |
|----------|-----|-----------|--------|------|------------|-------------------------------------|
| T501     | X   |           |        | X    |            | APPROACH SLAB FTG. - STIRRUP        |
| T802     | X   |           |        |      |            | APPROACH SLAB FTG. - TRANS.         |
| T803     | X   |           |        | X    |            | APPROACH SLAB - LONG. - BOT.        |
| T804     | X   |           |        | X    |            | APPROACH SLAB - LONG. - BOT. - WALL |
| T505     | X   |           |        |      |            | APPROACH SLAB - LONG. - TOP.        |
| T506     | X   |           |        |      |            | APPROACH SLAB - LONG. - WALL        |
| T507     | X   |           |        |      |            | APPROACH SLAB - TRANS. - BOT.       |
| T508     | X   |           |        |      |            | APPROACH SLAB - TRANS. - TOP.       |
| T509     | X   | 4'-10"    | X      |      |            | APPROACH SLAB - TRANS. - TOP - WALL |
| T510     | X   | 4'-1"     | X      |      |            | APPROACH SLAB - TRANS. - TOP - WING |
| T411     | X   | 3'-0"     | X      |      |            | APPROACH SLAB - TRANS. - WALL       |



SECTIONS A-A THRU G-G ARE SHOWN ON STANDARD 12.11 & 12.12

**STRUCTURAL  
APPROACH SLAB**

**BUREAU OF  
STRUCTURES**

APPROVED: *Laura Shadewald* DATE: 1-21