



MAX. OPENING	PLATE LENGTH	MIN. PLATE THICKNESS
2'-6"	6'-0"	1"
5'-0"	8'-6"	1½"
7'-6"	11'-0"	1¾"

BASED ON HL-93 TRUCK LOAD

PLAN VIEW

NOTES:

1. USE OF STEEL PLATES MUST BE APPROVED BY THE DEPARTMENT AND IS NOT PERMITTED BETWEEN NOVEMBER 1ST AND MARCH 31ST (EXCEPT IN EMERGENCY SITUATIONS).
2. STEEL PLATES WILL CONFORM TO ASTM A709, GRADE 50.
3. USE OF STEEL PLATE BRIDGING IS NOT TO EXCEED FOUR (4) CONSECUTIVE WORKING DAYS IN ANY GIVEN WEEK AND NOT LEFT IN PLACE OVER THE WEEKEND, UNLESS DIRECTED BY THE ENGINEER IN THE FIELD.
4. A STRUCTURAL DESIGN IS REQUIRED FOR OPENING WIDTHS GREATER THAN 7'-6". DESIGN WILL BE APPROVED BY DEPARTMENT PRIOR TO USE.
5. STEEL PLATES MUST HAVE AN ANTI-SKID SURFACE THAT IS MANUFACTURED WITH A MINIMUM NOMINAL COEFFICIENT OF FRICTION OF 0.35 AT THE TIME OF PLACEMENT. SUBMIT METHOD FOR ACHIEVING ANTI-SKID SURFACE.
6. STEEL PLATES CAN BE PLACED ACROSS SKEWED JOINTS. MAINTAIN MIN. 6" SPACING FROM ALL CONNECTIONS TO THE EDGE OF CONCRETE REMOVAL.
7. DO NOT USE STEEL PLATES AT EXPANSION BEARINGS OF CURVED GIRDER BRIDGES.
8. STEEL PLATES - BRIDGE DECK MUST BE CONNECTED TO A CONCRETE BRIDGE DECK OR APPROACH SLAB. DO NOT CONNECT TO A HOT MIX SURFACE.
9. INSTALL A W8-1 OR W8-8 WARNING SIGN IN ADVANCE TO STEEL PLATE LOCATION.
10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF STEEL PLATES, CONNECTIONS, ANTI-SKID SURFACE, AND ENSURING THEY MEET ALL MINIMUM SPECIFICATIONS.
11. WHEN THE STEEL PLATES ARE REMOVED, REPAIR ALL BOLT HOLES WITH EPOXY GROUT.



ENGINEERING SUPPORT
 RECOMMENDED
 12/03/2021
 DATE

STEEL PLATE - BRIDGE DECK
 STANDARD NO. M-11 (2021) SHT. 2 OF 3

REVIEWED
 DEPUTY DIRECTOR - DESIGN 12/06/2021
 DATE
 APPROVED
 CHIEF ENGINEER 12/07/2021
 DATE