

TRENCH - RECESSED PLATE(S)

TRENCH WIDTH	MIN. PLATE THICKNESS
10"	1/2" *
1'-11"	3/4" *
2'-7"	7/8"
3'-5"	1"
5'-3"	1 1/4"
10' (SEE NOTE 12)	1 1/2"

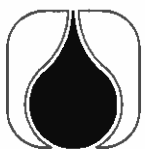
* PLATE THICKNESS OF 3/4" AND LESS IS NOT FOR ON-ROAD VEHICLE TRAFFIC USE. THEY ARE RESTRICTED TO OFF-ROAD USE SUCH AS SIDEWALKS.

NOTES:

1. PLATES TO BE ASTM A36 MIN. STEEL, Fy = 36 KSI.
2. PLATES ARE DESIGNED FOR HS-20-44 LOADING. TABLE 1 SHOWS ADVISORY MINIMAL THICKNESS OF STEEL PLATE BRIDGING FOR A GIVEN TRENCH WIDTH. FOR SPANS GREATER THAN 10', PREPARE A STRUCTURAL DESIGN BY A CALIFORNIA REGISTERED CIVIL ENGINEER AND SUBMIT TO LBWD FOR REVIEW.
3. THE MINIMUM EDGE OVERLAP SHALL BE AS FOLLOWS: 12 INCHES, EXCEPT FOR TRAFFIC SPEEDS ≥ 40 MPH: 24 INCHES.
4. INSTALL PLATES TO OPERATE WITH MINIMUM NOISE.
5. ADEQUATELY SHORE THE TRENCH TO SUPPORT THE BRIDGING AND TRAFFIC LOADS.
6. PROVIDE ADVANCED WARNING SIGNS (UNEVEN PAVEMENT - C46(CA); OR STEEL PLATE AHEAD SIGN - W8-24) PER THE LATEST EDITION OF THE "CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
7. SECURE BRIDGING AGAINST DISPLACEMENT BY USING ADJUSTABLE CLEATS/RAILROAD SPIKES, SHIMS, AND/OR WELDING.
8. ALL PLATES MUST HAVE NON-SKID SURFACES.
9. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
10. LEAVE STEEL PLATE BRIDGING IN PLACE FOR NO MORE THAN 2 DAYS BEFORE COMPLETION OF THE PIPE TRENCH BACKFILL AND PAVEMENT PLACEMENT, UNLESS APPROVED BY THE LBWD.
11. REFERENCE IS MADE TO "GREENBOOK," 2016 SUPPLEMENT.
12. REFERENCE IS MADE TO TRENCH SHORING COMPANY, TABULATED DATA, EFFECTIVE 10/1/12.

TEMPORARY STEEL PLATE BRIDGING

WDS - 128



**LONG BEACH
WATER DEPARTMENT**

RECOMMEND
Robert J. [Signature]
DIVISION ENGINEER

APPROVED
[Signature]
DIRECTOR OF ENGINEERING

DATE: 09/08/2016

SCALE: N.T.S.

SHEET 1 OF 1