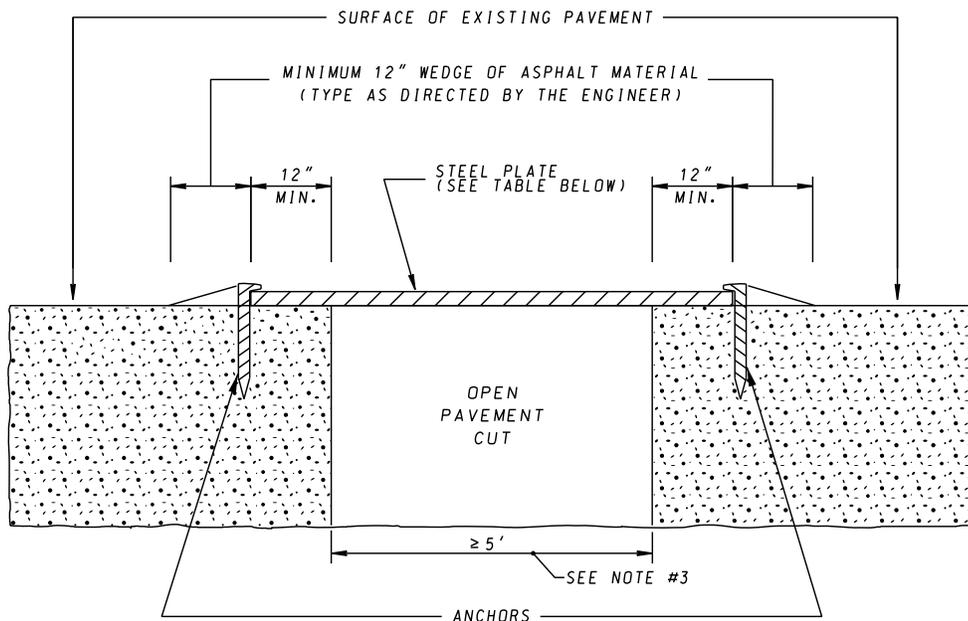


STANDARD DETAIL:

* METHOD '2' SHALL BE USED FOR CEMENT CONCRETE PAVEMENT SECTIONS, REGARDLESS OF SPEED.*

METHOD '2', FOR SPEEDS EQUAL TO OR LESS THAN 40 MPH (SEE DETAIL BELOW)

APPROACH PLATE AND ENDING PLATE OF LONGITUDINAL PLACEMENT SHALL BE ATTACHED TO THE ROADWAY BY A MINIMUM OF 1 ANCHOR IN EACH CORNER OF THE PLATE. DRILL A 1/2 INCH DIAMETER, 5 INCH DEEP PILOT HOLE INTO THE PAVEMENT. DRIVE 1 ANCHOR INTO EACH HOLE. SUBSEQUENT PLATES ARE BUTTED TO EACH OTHER AND WELDED. ASPHALT MATERIAL SHALL BE COMPACTED TO FORM RAMPS. MAXIMUM SLOPE 8.5% WITH A MINIMUM 12 INCH TAPER TO COVER ALL EDGES OF THE STEEL PLATES. CONTRACTOR'S PROPOSED METHOD OF ANCHORING SHALL BE APPROVED BY THE ENGINEER.



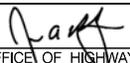
STEEL PLATE DETAIL (METHOD 2, EQUAL TO OR LESS THAN 40 MPH)
NOT TO SCALE

THE FOLLOWING TABLE SHOWS THE ADVISORY MINIMAL THICKNESS OF STEEL PLATE BRIDGING REQUIRED FOR A GIVEN TRENCH (WITH A-36 GRADE STEEL):

TRENCH WIDTH	MINIMUM PLATE THICKNESS
< 5'	1"
≥ 5'	SEE NOTE #3

NOTES

1. STEEL PLATE USAGE WILL BE INCIDENTAL TO THE WORK BEING DONE/PROTECTED UNLESS AN ITEM FOR STEEL PLATES IS INCLUDED IN THE CONTRACT SCHEDULE OF PRICES.
2. STEEL PLATE INSTALLED SHALL HAVE A MAXIMUM ONE INCH DEFLECTION. STEEL PLATES SHALL BE WELDED TOGETHER BY A LICENSED WELDER.
3. FOR TRENCH WIDTHS EQUAL TO OR GREATER THAN 5 FT. STEEL PLATE AND SUPPORT SYSTEM SHALL BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND AND APPROVED BY THE SHA ENGINEER.
4. STEEL PLATE BRIDGING IS NOT ALLOWED ON EXPRESSWAYS/FREEWAYS.
5. ANCHORS ARE TO BE A MIN. OF 6 IN. IN LENGTH.

SPECIFICATION	CATEGORY CODE ITEMS	
-		
APPROVED	 DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	
	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 4-12-16	APPROVAL 3-21-16
	REVISED 5-19-16	REVISED 5-6-16
	REVISED 10-20-16	REVISED 10-13-16
	REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

STEEL PLATE
METHOD 2, EQUAL TO OR LESS THAN 40 MPH
STANDARD NO. MD 104.01-86