



**NOTES**

1. TEMPORARY STEEL PLATES TO BE PLACED WHEN REPAIRING DECK AND JOINT HEADERS.
2. ROADWAY PLATES ARE TO BE ANCHORED TO THE DECK USING 1" DIA. ALL THREADED RODS (ASTM A307), RECESSED IN PLATE WITH WELDED NUT AND 12" X 12" X 1" STEEL PLATE WASHER WITH "SPRING SYSTEM" NUT AND WASHER AT UNDERSIDE OF DECK TO SECURE THE ANCHORS. FULLY COMPRESS THE SPRING WHEN TIGHTENING THE NUT.
3. THE USE OF STEEL PLATES AND ALL ASSOCIATED WORK IS INCIDENTAL TO THE MAINTENANCE OF TRAFFIC ITEM FOR STRUCTURE.
4. USE 1.937 O.D. 4" LONG TEMPERED STEEL SPRING, (MIN. 1200 LBS/INCH) WITH A 0.375" WIRE DIAMETER SPRING TO BE SECURED WITH STANDARD FLAT WASHER, NUT AND COTTER PIN THROUGH THREAD ROD.
5. TEMPORARY PLATES TO REMAIN IN PLACE UNTIL CONCRETE HAS ACHIEVED A MINIMUM OF 4500 PSI COMPRESSIVE STRENGTH.
6. FOR CONCRETE DECK WITH ASPHALT WEARING SURFACE DECK PUNCTURE REPAIRS, REMOVE ASPHALT WEARING SURFACE SO TOP PLATE IS LEVEL WITH TOP OF SURROUNDING BRIDGE DECK WORKING SURFACE (OR TO TOP OF CONCRETE DECK) TO THE WIDTH AND LENGTH OF THE STEEL PLATE. REPAIR CONCRETE DECK AND PLACE STEEL PLATE WHILE CONCRETE CURES. USE COLD PATCH TO PREVENT STEEL PLATE FROM ROCKING AND TO FILL GAPS AT EDGES OF STEEL PLATE. AFTER CONCRETE CURES AND ACHIEVES 4500 PSI STRENGTH, REMOVE PLATE, FILL CORED HOLES, AND REPLACE ASPHALT WEARING SURFACE.

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| SPECIFICATION | CATEGORY CODE ITEMS  |
| -             |  |
| APPROVED      | <i>[Signature]</i><br>DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT |
|               | APPROVAL • SHA REVISIONS                                       |
|               | APPROVAL • FEDERAL HIGHWAY ADMINISTRATION                      |
|               | APPROVAL 4-12-16   |
|               | REVISD 1-10-17   |
|               | REVISD   |

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

**STEEL PLATE**  
**METHOD 3, BRIDGE DECK PLATING**  
**STANDARD NO. MD 104.01-87**