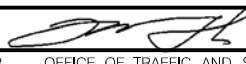



NOTES:

1. REFER TO CONTRACT INVITATION FOR BID (IFB) AND MD. STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS FOR MATERIAL, CONSTRUCTION SPECIFICATIONS AND DETAILS.
2. SIGN STRUCTURE STANDARDS ARE IN ACCORDANCE WITH AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2001". (Category II FOR ALL STRUCTURES)
3. ALL STRUCTURAL MAIN TUBES SHALL CONFORM TO API5-LX52.
4. ALL OTHER TUBES SHALL HAVE MIN. 30 KSI YIELD STRENGTH AND CONFORM TO A 501.
5. ALL STEEL PLATES, W-BEAMS AND MISCELLANEOUS SHAPES SHALL CONFORM TO A 709, GRADE 36.
6. MOUNTING HEIGHT 'H_D' SHALL NOT BE LESS THAN 20'-9"+ (1/2 x DESIGN SIGN HEIGHT)±ELEVATION DIFFERENCE FROM HIGH POINT ON THE ROADWAY.
7. ALL TOWER SUPPORTS SHALL BE LOCATED BEHIND PHYSICAL TRAFFIC BARRIERS.
8. STEEL TEMPLATES SHALL BE USED TO SET ANCHOR BOLTS PLUMB WHEN POURING THE FOUNDATION. ANCHOR BOLT HOLES SHALL BE 1/16" LARGER THAN ANCHOR BOLT DIAMETER.
9. ALL ANCHOR BOLTS SHALL CONFORM TO F 1554, GRADE 55 S1.
10. ALL CONNECTION BOLTS SHALL CONFORM TO A 325, (BOLTS OVER 1 1/2" DIA. A 449), WASHERS F 436 & NUTS A 194, GRADE 2 OR 2H. THE BOLTS SHALL HAVE A FLAT WASHER UNDER THE ELEMENT TO BE TURNED.
11. REFER TO SIGN/LUMINAIRE SUPPORTS MOUNTING STANDARD PLATES REGARDING MISCELLANEOUS SIGN/LUMINAIRE MOUNTING DETAILS AND ELECTRICAL WIRING DETAILS.
12. THIS NOTE APPLIES TO SINGLE PLANE CANTILEVERS ONLY. FOR SIGN HEIGHTS EQUAL TO OR LESS THAN 12'-0" (NOT INCLUDING THE EXIT PANELS), "S" SHALL EQUAL 4'-0". FOR SIGN HEIGHTS GREATER THAN 12'-0" (NOT INCLUDING THE EXIT PANEL), "S" SHALL EQUAL 6'-0".
13. INSTALL ACCESS HOLE ON POLE OPPOSITE DIRECTION OF TRAFFIC.
14. TRUSS CAMBER ΔV FOR CANTILEVER STRUCTURE SHALL BE INCORPORATED DURING FABRICATION. THE CONTRACTOR SHALL ACHIEVE ΔH CAMBER BY TILTING THE POLE AND ADJUSTING LEVELLING NUTS DURING INSTALLATION.
15. FOR CANTILEVER SIGN STRUCTURES, USE SINGLE PLANE TRUSS FOR SPANS 30 FT AND UNDER. USE BOX TRUSS FOR SPANS OVER 30 FT AND WHEN CHORD SIZES EXCEED 14" O.D. USE BOX TRUSS (4 CHORDS) FOR ALL OVERHEAD SPAN STRUCTURES , UNLESS NOTED OTHERWISE.
16. STRUCTURE SHALL BE GALVANIZED TO CONFORM TO A 123 OR GALVANIZED AND PAINTED AS SPECIFIED IN CONTRACT DOCUMENTS.
17. ALL HARDWARE SHALL BE GALVANIZED TO CONFORM TO A 153.
18. EACH OVERHEAD SPAN STRUCTURE IS DESIGNED FOR THE FOLLOWING TWO CASES:
CASE 1: DESIGN SIGN AREA IS CENTERED OVER THE SPAN.
CASE 2: DESIGN SIGN EDGE IS PLACED 5'-0" FROM CENTERLINE OF TOWER.
19. ALL STRUCTURES HAVE BEEN DESIGNED FOR STANDARD ALUMINUM EXTRUDED SIGN PANELS AND NOT FOR DYNAMIC MESSAGE SIGNS (DMS) OR ANY OTHER TYPES OF SIGNS.
20. ALL DYNAMIC MESSAGE SIGN (DMS) STRUCTURES OTHER THAN SHOWN ON DMS PLAN SHEETS, AND OVERHEAD SPAN OR CANTILEVER STRUCTURES OTHER THAN SHOWN ON CURRENT STANDARDS, SUCH AS BUTTERFLY, CANTILEVER-SPAN COMBINED, DOUBLE SPAN WITH COMMON CENTER SUPPORT, ETC. MUST BE DESIGNED USING SABRE ANALYSIS PROGRAM, WHEN NEEDED.

SPECIFICATION 803	CATEGORY CODE ITEMS	<p>Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES</p> <p>OVERHEAD SIGN STRUCTURES GENERAL NOTES</p> <p>STANDARD NO. MD 803.04</p>
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY	
	APPROVAL • SHA REVISIONS APPROVAL 8-12-02 REVISED 5-17-07 REVISED REVISED	