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STANDARDS

E-121	STANDARD SIGN PLACEMENT CONVENTIONAL ROAD	08/08/1995
E-136B	STATE ROUTE MARKER SIGN DETAILS	08/08/1995
E-136C	STATE NUMBERED TOWN HIGHWAY SIGN DETAILS	08/08/1995
E-138	MILEMARKER DETAILS STATE AND TOWN HIGHWAYS	05/30/2003
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E-154	WARNING SIGN DETAILS	05/01/2004
E-163	TUBULAR STEEL SIGN POST	05/20/1999
E-164	SQUARE STEEL SIGN POST	06/08/2009

SIGN DESIGN AND FABRICATION

- THE MUTCD SIGN CODES PROVIDED IN THESE PLANS REFER TO THE 2009 MUTCD. DESIGN DETAILS FOR SIGNS INDICATED ON THE PLANS AS FOUND IN THE SHSM, SHALL BE PER 2009 STANDARD HIGHWAY SIGN AND MARKINGS BOOK (SHSM), WHICH AT THIS TIME HAS NOT BEEN RELEASED. TO ADVANCE THE AVAILABILITY OF NEW INFORMATION FOR FIELD INSTALLATIONS AS SOON AS POSSIBLE, INTERIM RELEASES ARE PLANNED FOR ITEMS THAT ARE NEW OR SIGNIFICANTLY REVISED BY THE 2009 MUTCD AND CAN BE FOUND AT http://mutcd.fhwa.dot.gov/shsm_interim/index.htm. THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SIGN DETAILS IF NONE ARE AVAILABLE FROM THESE SOURCES.
- SIGN SHEETING FOR FLUORESCENT YELLOW (FY) AND FLUORESCENT YELLOW-GREEN (FYG) SHALL BE ASTM D4956 TYPE VII, VIII OR IX. ALL OTHER SIGN SHEETING SHALL BE TYPE III OR IV.
- SHEETING TYPES AND MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHOULD BE BY THE SAME MANUFACTURER AND BE CONSISTENT THROUGHOUT THE PROJECT.
- SIGN BASE MATERIAL FOR DELINEATORS AND MILE MARKER PLAQUES (VD-700) SHALL BE 0.063" THICK FLAT SHEET ALUMINUM. UNLESS OTHERWISE NOTED ON THE PLANS, ALL OTHER SIGNS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIGN SIZE	12" X 12"		
	18" X 18"		
	21" X 15"		
	24" X 8"		
	24" X 10"		48" X 18"
	24" X 12"	36" X 12"	48" X 24"
	24" X 18"	36" X 15"	48" X 30"
	24" X 24"	36" X 18"	48" X 42"
	24" X 30"	36" X 24"	48" X 48"
	30" X 15"	36" X 36"	48" X 60"
30" X 18"	36" X 42"	72" X 10"	
30" X 30"	36" X 48"	72" X 12"	
30" X 42"	36" X 54"	72" X 20"	
THICKNESS	0.080"	0.100"	0.125"

SIGN POSTS

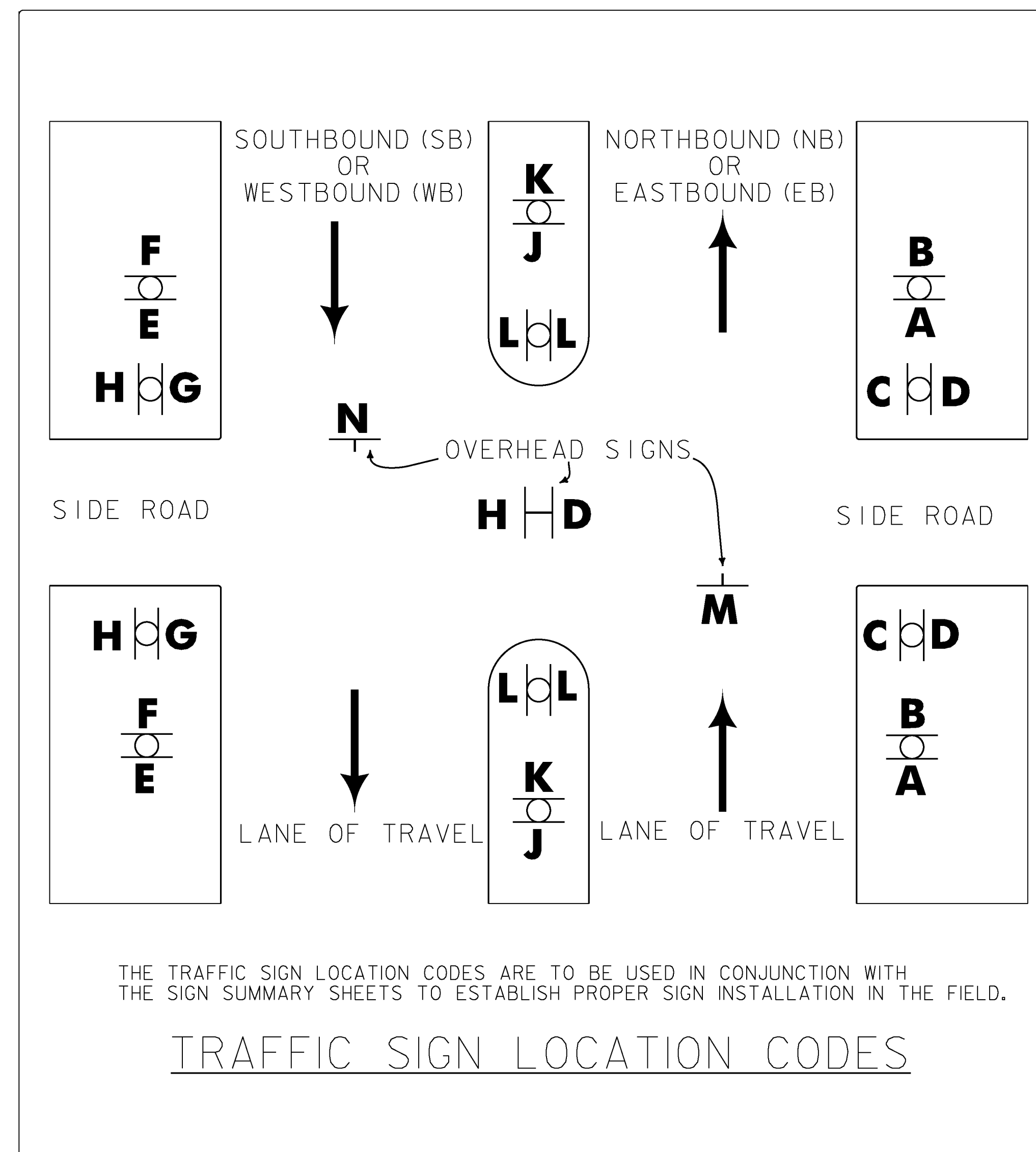
- ALL SQUARE STEEL SIGN POSTS SHALL BE INSTALLED IN A NEW ANCHOR. ALL SIGNS INSTALLED IN PAVED OR CONCRETE ISLANDS OR SIDEWALKS SHALL ALSO BE INSTALLED WITH AN 18" SLEEVE. PAYMENT FOR SLEEVE SHALL BE INCIDENTAL TO THE SIGN POST.
- 1.75" SQUARE STEEL POSTS SHALL BE 14 GAUGE STEEL. 2" AND 2.5" SQUARE STEEL POSTS SHALL BE 12 GAUGE STEEL.

SIGN INSTALLATION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO PRIVATE OR PUBLIC PROPERTY CAUSED BY THE CONTRACTOR, AT THEIR EXPENSE.
- ALL SIGNS WITHIN THE PROJECT LIMITS ARE TO BE REPLACED UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE RESIDENT ENGINEER. SIGN LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD.
- ALL SIGN PLACEMENT SHALL BE IN CONFORMANCE WITH VAOT STANDARD E-121 STANDARD SIGN PLACEMENT CONVENTIONAL ROADS, UNLESS OTHERWISE NOTED.
- ALL SIGNS, FRAMES, MOUNTING HARDWARE, POSTS, AND ANCHORS FOR ANY SIGN ASSEMBLY SHALL BE REPLACED AT THE SAME TIME. MIXING OF OLD AND NEW SIGNS ON THE SAME ASSEMBLY WILL NOT BE ALLOWED.
- NEW SIGNS WITH THEIR GREATER NIGHTTIME REFLECTIVITY CAN OBSCURE OLDER SIGNS MOUNTED ADJACENT TO THEM. TO AVOID CONFUSION OF ROAD USERS, WORK SHALL BE COORDINATED SUCH THAT ALL SIGNS ASSOCIATED WITH A CURVE, INTERSECTION, OR SPEED CHANGES, SHALL BE REPLACED ON THE SAME DAY AND NOT LEFT INCOMPLETE OR WITH A MIXTURE OF OLD AND NEW SIGNS WITHIN A GROUP OF ASSOCIATED SIGNS.

TEMPORARY TRAFFIC CONTROL NOTES

- THE CONTRACTOR SHALL SUBMIT SITE SPECIFIC TRAFFIC CONTROL PLANS CONFORMING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009, AND ITS LATEST REVISIONS, TO THE ENGINEER AT THE PRE-CONSTRUCTION MEETING FOR REVIEW AND APPROVAL BY THE RESIDENT ENGINEER.
- WHEN WORKING IN THE VICINITY OF EXISTING PEDESTRIAN FACILITIES, ADA ACCESSIBLE PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED AT ALL TIMES. PAYMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONTRACT ITEM 6410 TRAFFIC CONTROL.
- THE CONTRACTOR MUST PROVIDE ACCESS THROUGH THE WORK ZONE FOR EMERGENCY VEHICLES AT ALL TIMES.
- THE CONTRACTOR SHALL CONDUCT THE WORK AT ALL TIMES IN SUCH A MANNER AND IN SUCH SEQUENCE SO AS TO ENSURE THE LEAST INTERFERENCE WITH TRAFFIC OCCURS.
- SIGNS SHALL ONLY BE VISIBLE TO MOTORISTS AT THE TIMES WHEN THE MESSAGE IS PERTINENT, I.E. A "FLAGGER AHEAD" SIGN SHALL ONLY BE VISIBLE TO MOTORISTS WHEN THE FLAGGER IS ACTUALLY PRESENT PERFORMING THEIR DUTIES.
- PAYMENT FOR CONSTRUCTION SIGNING WILL BE MADE UNDER CONTRACT ITEM 6410 TRAFFIC CONTROL.
- SIGNS SHALL BE MOVED AS WORK AREA MOVES. AT NO TIME SHALL THE FLAGGER SIGN BE GREATER THAN 1000 FEET IN ADVANCE OF THE FLAGGER STATION.



GENERAL NOTES

- EXISTING STAND ALONE MILE MARKERS OR MILE MARKERS ATTACHED TO A RETAINED SIGN POST ASSEMBLY SHALL BE RETAINED.
- EXISTING MILE MARKERS ON SIGN POSTS BEING REPLACED SHALL BE REMOVED AND SALVAGED ONTO THE NEW SIGN POST.
- EXISTING MILE MARKERS ATTACHED TO A SIGN ASSEMBLY THAT IS TO BE RELOCATED SHALL BE REMOVED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- EXISTING STREET NAME SIGNS ATTACHED TO SIGN POSTS THAT ARE TO BE REPLACED SHALL BE REMOVED AND SALVAGED ONTO NEW POST.
- ALL EXISTING STREET NAME SIGNS INSTALLED ON STAND ALONE SIGN POSTS SHALL BE RETAINED UNLESS OTHERWISE NOTED.
- AN ESTIMATED NUMBER OF MILE MARKERS AND STREET NAME SIGNS HAS BEEN ADDED TO THE CONTRACT ITEMS 675.50 REMOVING SIGNS AND 675.60 ERECTING SALVAGED SIGNS.
- SELECTIVE CUTTING OF BRUSH OR TREE BRANCHES IN THE IMMEDIATE VICINITY OF THE SIGN MAY BE NECESSARY TO PROVIDE FULL VISIBILITY FOR ANY EXISTING (RETAINED) OR NEW SIGN LOCATIONS. THIS WORK WILL BE PERFORMED AT THE DIRECTION OF THE RESIDENT ENGINEER AND PAID FOR UNDER CONTRACT ITEM 201.31 THINNING AND TRIMMING FOR SIGNS. THIS WORK SHALL BE DONE AT THE SAME TIME AS THE SIGNS ARE INSTALLED.

PROJECT NAME: NORWICH - FAIRLEE	
PROJECT NUMBER: STPG SIGN (34)	
FILE NAME: IOC334.DGN	PLOT DATE: 03-MAY-2011
PROJECT LEADER: A. GAMBLE	DRAWN BY: D. CROSSLEY
DESIGNED BY: D. CROSSLEY	CHECKED BY: A. GAMBLE
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