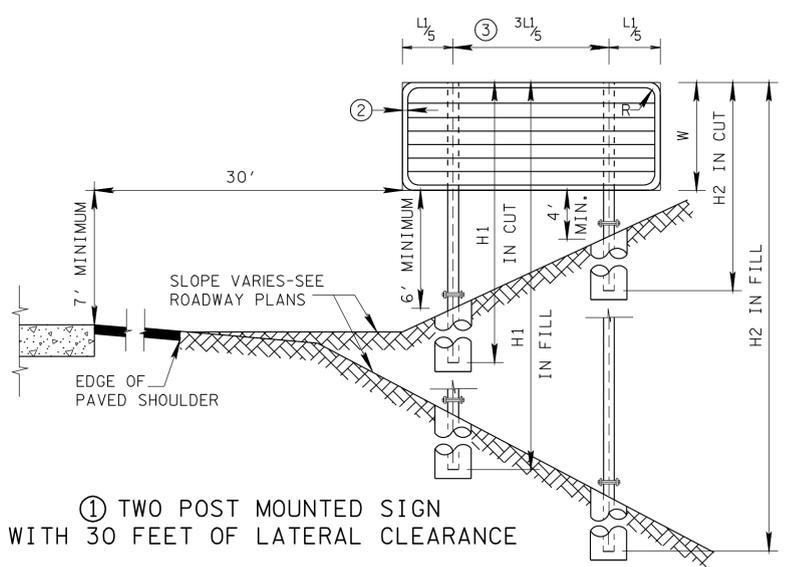
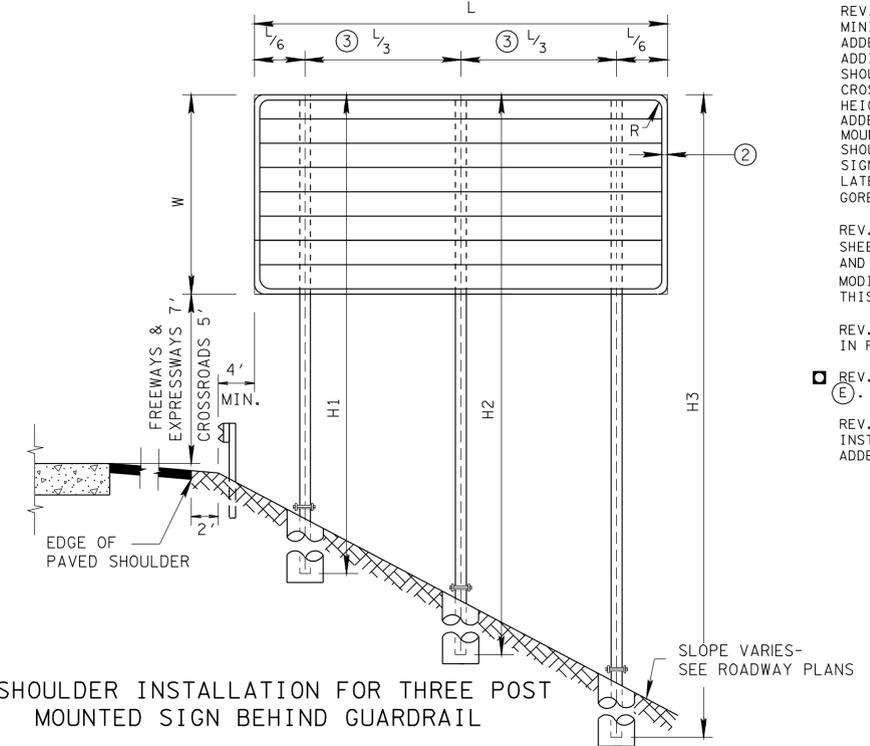


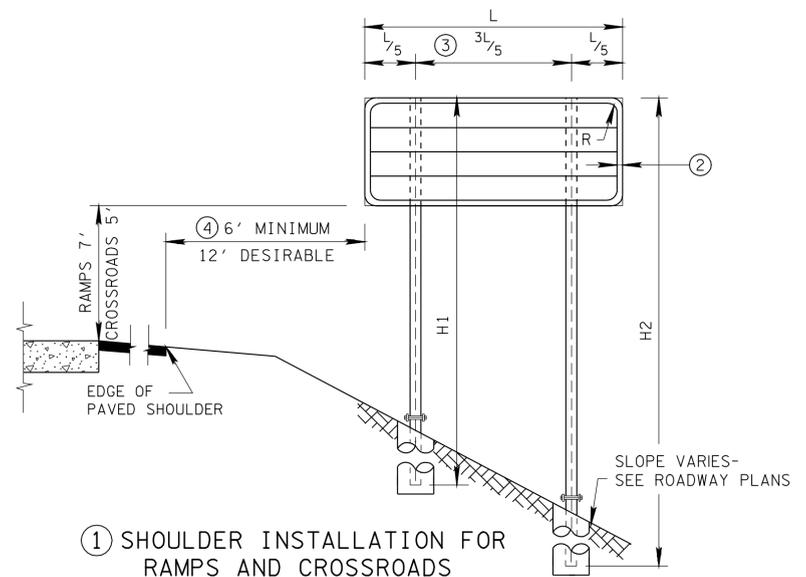
① SHOULDER INSTALLATION FOR TWO POST MOUNTED SIGN BEHIND GUARDRAIL



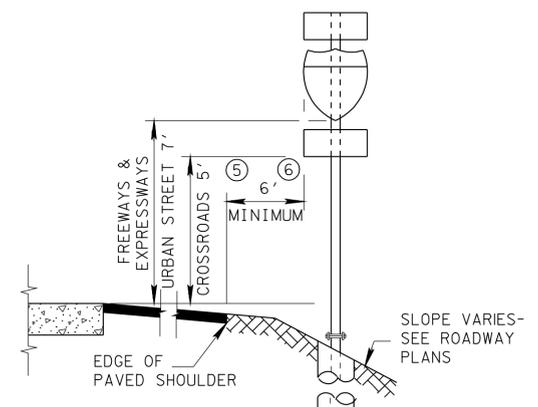
① TWO POST MOUNTED SIGN WITH 30 FEET OF LATERAL CLEARANCE



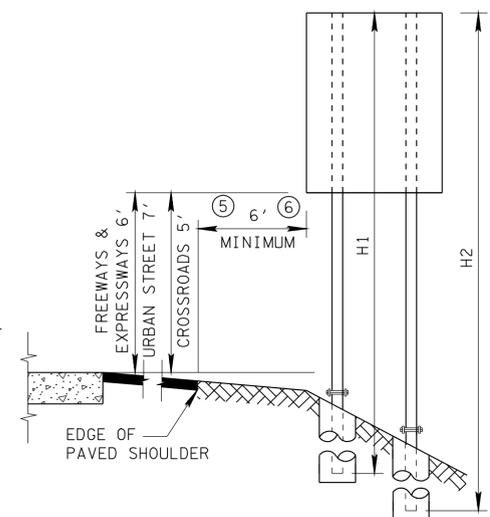
① SHOULDER INSTALLATION FOR THREE POST MOUNTED SIGN BEHIND GUARDRAIL



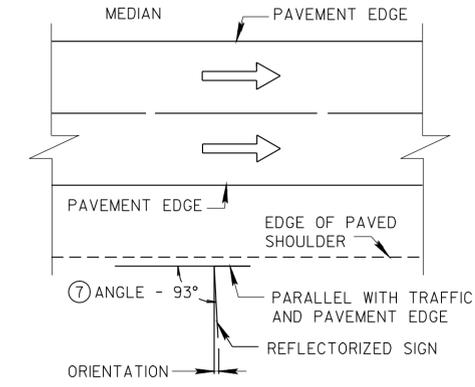
① SHOULDER INSTALLATION FOR RAMPS AND CROSSROADS



SHOULDER INSTALLATION FOR ROUTE MARKERS



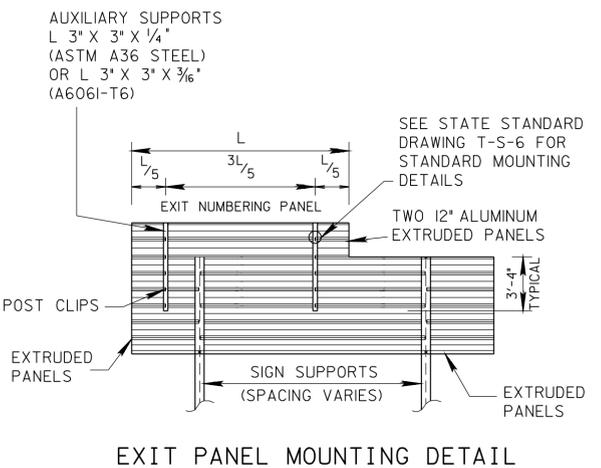
① SHOULDER INSTALLATION FOR TWO POST MOUNTED REGULATORY AND WARNING SIGNS



NOTE: SIGNS SHALL NORMALLY BE ERECTED SO THAT THE SIGN FACE IS TRULY VERTICAL AND AT 93° AWAY FROM THE CENTER OF THE LANE WHICH THE SIGN SERVES AND THE DIRECTION OF TRAVEL. WHERE LANES DIVIDE OR ARE ON CURVES, SIGN FACES SHALL BE ORIENTED SO AS TO BE MOST EFFECTIVE BOTH DAY AND NIGHT AND TO AVOID THE POSSIBILITY OF SPECULAR REFLECTION.

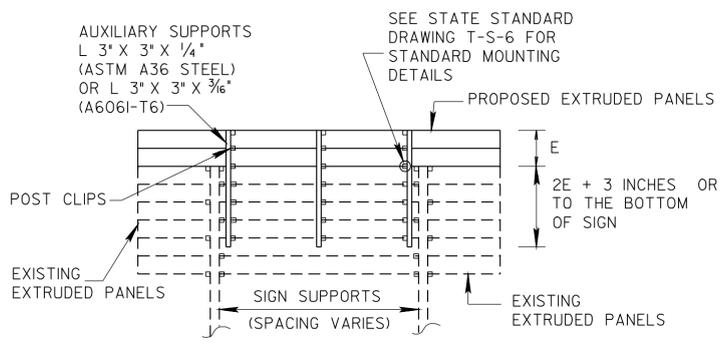
⑦ ANGLE OF REFLECTORIZED SIGN TO APPROACHING TRAFFIC DETAIL

LEGEND	
W	HEIGHT OF SIGN FACE
L	LENGTH OF SIGN FACE
R	RADIUS OF BORDER
E	HEIGHT OF AUXILIARY EXTRUDED PANELS
H	HEIGHT OF SIGN SUPPORT



EXIT PANEL MOUNTING DETAIL

ITEM NO. 713-17.02, INSTALL AUXILIARY SUPPORT FOR EXIT NUMBER PANEL PER EACH (INCLUDES THE COST OF AUXILIARY SUPPORTS AND POST CLIPS).



ADDITIONAL PANEL MOUNTING DETAIL

ITEM NO. 713-17.03, INSTALL AUXILIARY SUPPORT ON EXISTING SIGN PER EACH (INCLUDES THE COST OF AUXILIARY SUPPORTS AND POST CLIPS).

NOTE: TO BE USED WHERE ADDITIONAL PANELS ARE REQUIRED.

GENERAL NOTES	
(A)	THE LAYOUTS SHOWN ON THIS PAGE ARE TYPICAL FOR ALL SIGNS ERECTED ON THE FREEWAY AND THE EXPRESSWAY SYSTEM AND WITHIN THEIR RESPECTIVE INTERCHANGE AREAS, UNLESS OTHERWISE SPECIFIED IN THE ROADWAY PLANS FOR A SPECIFIC PROJECT.
(B)	ALL SIGNS SHALL BE ERECTED SO THAT THE INSIDE EDGE OF THE PROPOSED SIGN OR ITS ASSEMBLY IS A MINIMUM OF SIX FEET BEYOND THE EDGE OF PAVED SHOULDER OR TWO FEET FROM THE BACK FACE OF THE CURB.
(C)	ALL DIRECTIONAL SIGNS ON THE FREEWAY AND EXPRESSWAY SYSTEM SHALL BE ERECTED SO THAT THE BOTTOM OF THE SIGN ASSEMBLY IS SEVEN FEET ABOVE THE EDGE OF PAVED SHOULDER.
(D)	WHEN AN AUXILIARY SIGN IS MOUNTED BELOW THE MAJOR SIGN, THE MAJOR SIGN OR ITS ASSEMBLY SHALL BE ERECTED AT LEAST EIGHT FEET ABOVE THE EDGE OF PAVED SHOULDER AND THE AUXILIARY SIGN SHALL BE ERECTED AT LEAST FIVE FEET ABOVE THE EDGE OF PAVED SHOULDER.
(E)	ALL ROUTE MARKERS, WARNING SIGNS AND REGULATORY SIGNS ON THE FREEWAY AND THE EXPRESSWAY SYSTEM SHALL BE AT LEAST SIX FEET ABOVE THE EDGE OF PAVED SHOULDER.
(F)	ALL SIGNS FOR ROADS OTHER THAN ON THE FREEWAY AND THE EXPRESSWAY SYSTEM SHALL BE ERECTED SO THAT THE BOTTOM EDGE OF THE PROPOSED SIGN OR ITS ASSEMBLY IS A MINIMUM OF FIVE FEET ABOVE THE EDGE OF PAVED SHOULDER, UNLESS OTHERWISE NOTED.
(G)	SEE SECTIONS 2A.18 THROUGH 2A.23 OF THE MUTCD FOR ADDITIONAL INFORMATION.

FOOTNOTES	
①	SEE SIGN SCHEDULE SHEET IN THE PLANS FOR DIMENSIONS E, L, H, H1, H2, H3, R, AND W.
②	SEE SIGN SCHEDULE SHEET FOR WIDTH OF BORDER.
③	THIS DIMENSION SHALL BE A MINIMUM OF SEVEN FEET SIX INCHES WHEN USING POST SIZE OF W6 X 15 OR LARGER.
④	DISTANCE OF FOUR FEET IS TO BE USED BEHIND GUARDRAIL.
⑤	DISTANCE OF TWENTY FEET IS DESIRABLE ON FREEWAYS AND EXPRESSWAYS.
⑥	DISTANCE OF TWO FEET MINIMUM IS TO BE USED ON URBAN STREETS WITH CURB AND GUTTER SECTIONS.
⑦	ANGLE OF REFLECTORIZED SIGN TO APPROACHING TRAFFIC DETAIL DOES NOT APPLY WHEN PROPOSED SIGNS ARE SET BACK THIRTY FEET OR MORE. SIGNS ON TANGENTS THAT ARE SET BACK THIRTY FEET OR MORE FROM THE EDGE OF PAVEMENT SHALL BE ORIENTED AT NINETY DEGREES.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD LAYOUT
GROUND MOUNTED SIGNS

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REV. 1-30-85: REDREW SHEET. CHANGED MINIMUM OFFSET ON ALL SIGNS AND NOTE. ADDED EXIT PANEL MOUNTING DETAIL, ADDITIONAL PANEL MOUNTING DETAIL, AND SHOULDER INSTALLATION RAMPS AND CROSSROADS. CHANGED MINIMUM MOUNTING HEIGHT. ELIMINATED SECONDARY SIGN AND ADDED BREAKAWAY TO THREE POST MOUNTED SIGN. ADDED GUARDRAIL TO SHOULDER INSTALLATION TWO POST MOUNTED SIGN. ADDED FILL SLOPE DETAIL TO 30' LATERAL CLEARANCE. ELIMINATED TYPICAL GORE SIGN LOCATION.

REV. 12-7-90: REDREW AND REORGANIZED SHEET. NUMBERED ALL GENERAL NOTES AND FOOTNOTES. ADDED FOOTNOTE NO. ③. MODIFIED EXIT PANEL MOUNTING DETAILS ON THIS SHEET.

REV. 8-16-91: CHANGED MINIMUM DIMENSION IN FOOTNOTE NO. ③ FROM 7'-0" TO 7'-6".

REV. 5-27-03: CORRECTED GENERAL NOTE E.

REV. 11-1-11: REVISED SHOULDER INSTALLATION HEIGHT FOR FREEWAYS AND ADDED GENERAL NOTE ④.