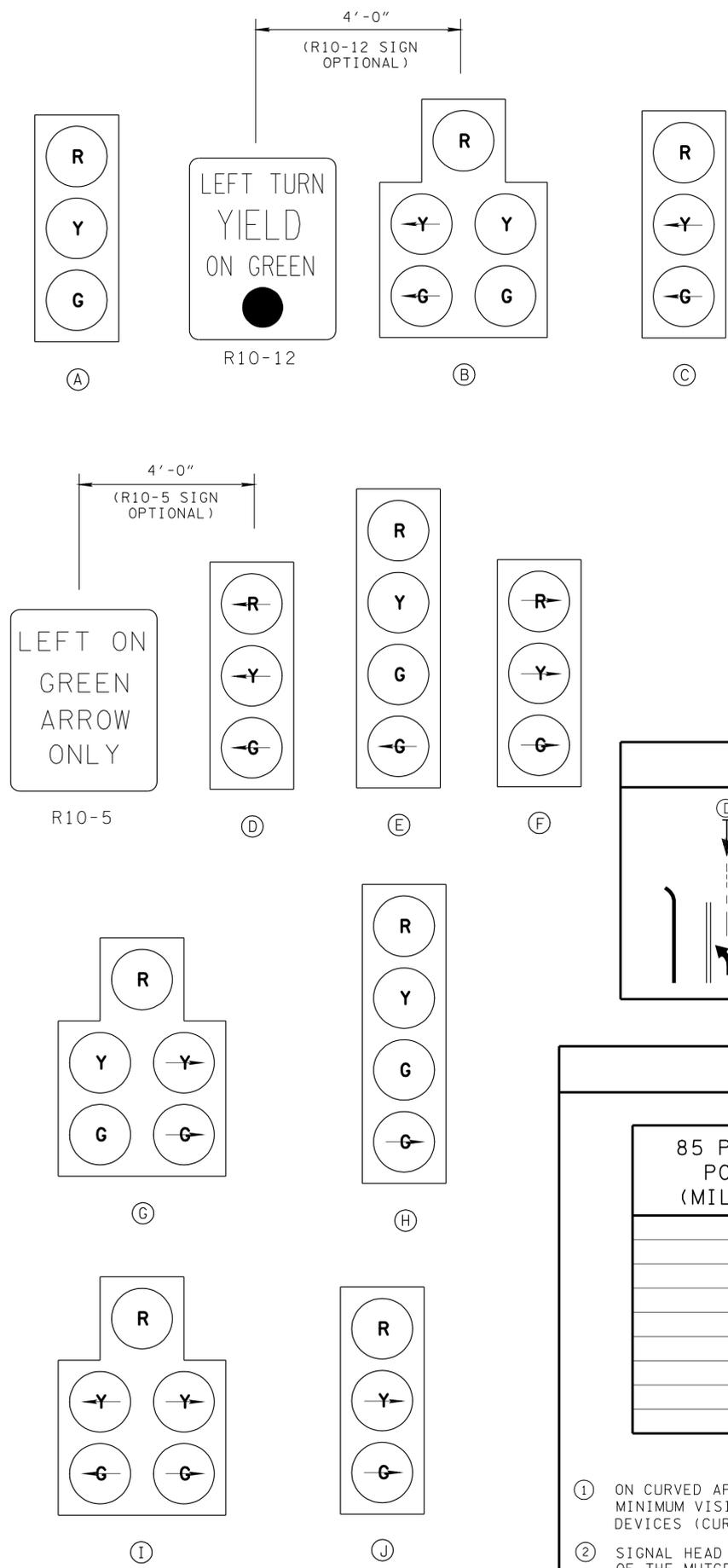


APPROACH LANE USE (THRU/LEFT)	LEFT TURN TREATMENT		
	PERMISSIVE	PERMISSIVE/PROTECTED	PROTECTED ONLY
1/0			
2/0			
1/1			
2/1			
3/1			
2/2			
3/2			

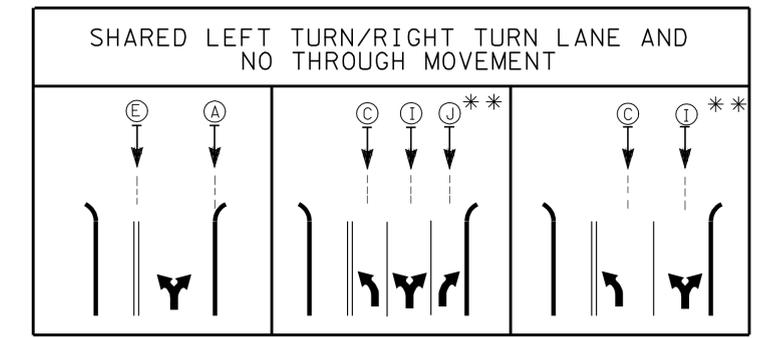


SIGNAL DISPLAYS

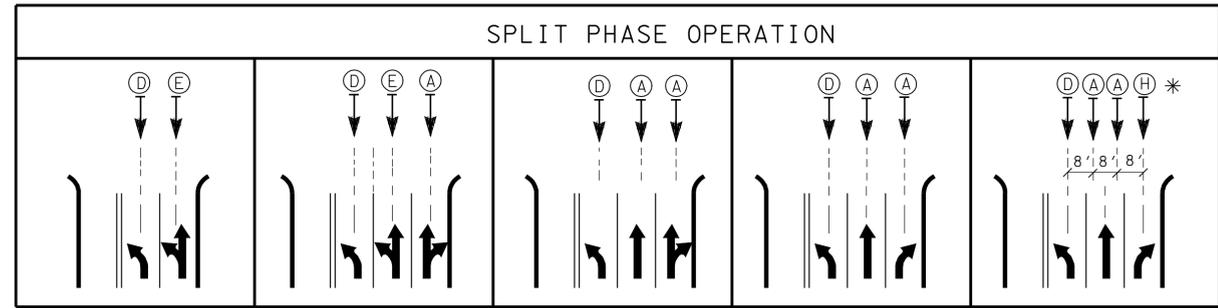
REV. 11-1-11: REVISED GENERAL NOTE 3, REVISED LEFT TURN TREATMENT AND SPLIT PHASE OPERATION. ADDED SHARED LEFT TURN /RIGHT TURN TREATMENT. ADDED SIGNS R10-5 AND R10-12. ADDED SIGNAL DISPLAY (A) AND (J). CHANGED SIGNAL DISPLAY (E). DELETED R10-10 SIGN.

REV. 2-14-92: ADDED BLOCK FOR APPROACHES WITH OPTIONAL THRU-LEFT LANES.
 REV. 12-16-03: REVISED SIGNAL HEADS TO BE USED FOR SPLIT PHASING. ADDITIONAL HEAD FOR PERMISSIVE LEFT TURN TREATMENT ON 7 LANE ROADWAY. ADDED ALTERNATE FOR PROTECTED LEFT TURN HEAD. REV. GENERAL NOTES.

REV. 7-29-04: ADDED NEW SIGNAL DISPLAYS (D), (E), (F), AND (H). MODIFIED SPLIT PHASE OPERATION TABLE AND LEFT TURN TREATMENT TABLE.



** IF CROSS-WALK WITH RIGHT TURNS CONFLICTS, THEN REPLACE (J) WITH (A) OR (I) WITH (B).
 NOTE: (1) SEE SECTIONS 4D.25, 4D.26 AND FIGURES 4D-20 IN THE MUTCD FOR ADDITIONAL INFORMATION.
 (2) (E) AND (H) CAN ONLY BE USED IF THE GREEN ARROW AND CIRCULAR GREEN ARE ALWAYS TERMINATED TOGETHER.



* USE (C) IF OVERLAPPED WITH MAIN STREET LEFT TURN PHASE

GENERAL NOTES

85 PERCENTILE OR POSTED SPEED (MILES PER HOUR)	MINIMUM VISIBILITY DISTANCE (FEET)
20	175
25	215
30	270
35	325
40	390
45	460
50	540
55	625
60	715

- (1) ON CURVED APPROACHES, PLACEMENT SHALL BE ADJUSTED AS NECESSARY TO MEET MINIMUM VISIBILITY REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).
- (2) SIGNAL HEAD PLACEMENT SHALL MEET MAXIMUM MOUNTING HEIGHT REQUIREMENTS OF THE MUTCD.
- (3) SEE SECTIONS 4D.08 THROUGH 4D.33 FOR ADDITIONAL INFORMATION REGARDING LOCATIONS AND USAGE OF SIGNAL HEADS IN THE CURRENT EDITION OF THE MUTCD.

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SIGNAL HEAD PLACEMENT