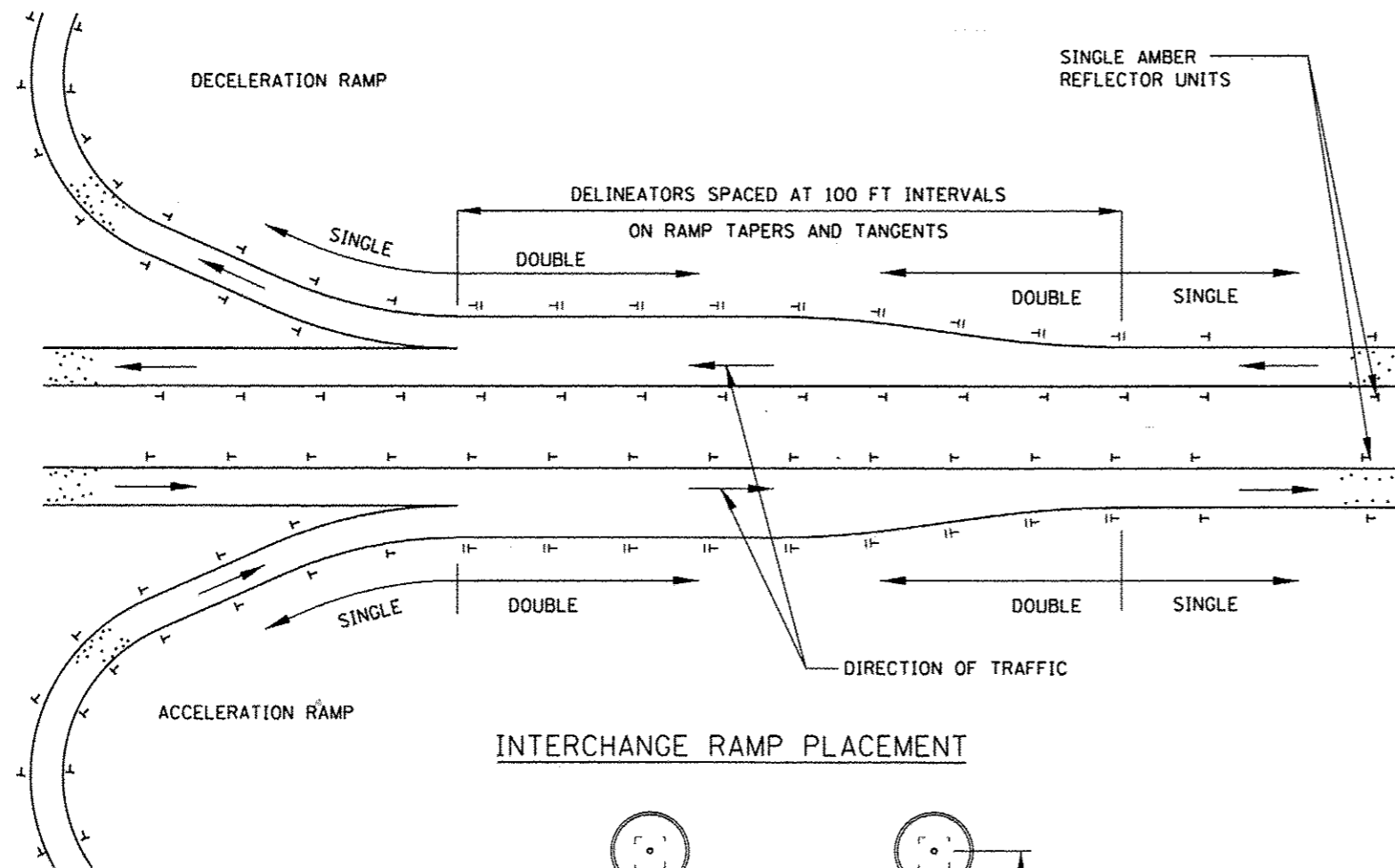
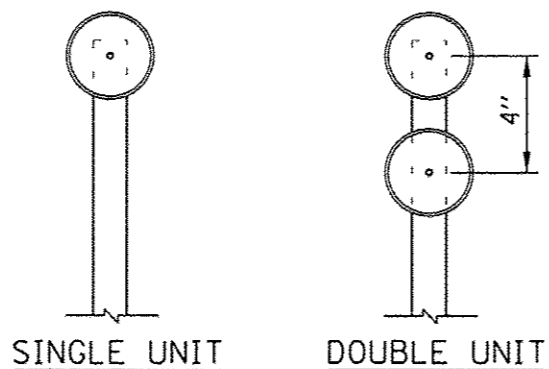


TANGENT PLACEMENT



INTERCHANGE RAMP PLACEMENT



TYPICAL DELINEATORS

GENERAL NOTES:

EMERGENCY CROSSOVERS/MEDIAN OPENINGS DELINEATION-THE FOLLOWING DELINEATION SHOULD BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT APPROACHING EMERGENCY CROSSOVER/MEDIAN OPENINGS.

- A. ONE-HALF OF A MILE IN ADVANCE OF THE EMERGENCY CROSSOVER/MEDIAN OPENINGS ONE WHITE REFLECTOR UNIT OVER THREE AMBER REFLECTOR UNITS.
- B. ONE-FOURTH OF A MILE IN ADVANCE OF THE EMERGENCY CROSSOVER/MEDIAN OPENINGS ONE WHITE REFLECTOR UNIT OVER TWO AMBER REFLECTOR UNITS.
- C. AT A POINT NEAR THE INTERSECTION OF THE EDGE OF THE LEFT SHOULDER AND NEAR EDGE OF THE EMERGENCY CROSSOVER/MEDIAN OPENINGS ONE WHITE REFLECTOR UNIT OVER ONE AMBER REFLECTOR UNIT.

NOTES FOR POST MOUNTED DELINEATOR INSTALLATION:

- 1. DELINEATORS ON TANGENT SECTIONS OF MAIN LINE SHALL BE PLACED AT 200 FOOT SPACING. DELINEATORS ON RAMP AND ACCELERATION AND DECELERATION LANES SHALL BE PLACED AT MAXIMUM SPACING OF 100 FEET.
- 2. A. MAIN LINE-SINGLE WHITE REFLECTOR UNITS SHALL BE PLACED CONTINUOUSLY ON THE RIGHT AND SINGLE AMBER REFLECTOR UNITS SHALL BE PLACED ON THE LEFT ON MAIN LINE SECTIONS WITHOUT BARRIER WALL.
B. RAMP-SINGLE REFLECTOR UNITS SHALL BE PLACED ON THE OUTSIDE OF ALL CURVED SECTIONS OF RAMP, SINGLE WHITE SHALL BE PLACED ON THE RIGHT SIDE AND AMBER ON THE LEFT SIDE. THE DELINEATORS SHALL BE OVERLAPPED FOR A SHORT DISTANCE TO CLEARLY INDICATE WHERE DELINEATION ON ONE SIDE OF THE RAMP ENDS AND DELINEATION ON THE OTHER SIDE APPEARS.
C. DOUBLE WHITE REFLECTOR UNITS SHALL BE PLACED ON THE RIGHT AT ALL ACCELERATION AND DECELERATION LANES.
- 3. DELINEATORS SHALL BE MOUNTED ON SUPPORTS SUCH THAT THE TOP OF REFLECTORS IS FOUR FEET ABOVE THE ROADWAY EDGE AND TWO FEET OUTSIDE THE OUTER EDGE OF THE PAVED SHOULDER OR TWO FEET MINIMUM AND SIX FEET MAXIMUM OUTSIDE THE BACKS OF CURBS OR GUTTERS.
- 4. IN ALL CASES, THE COLOR OF THE REFLECTORS SHALL BE THE SAME AS THE ADJACENT EDGE LINE EXCEPT AS SPECIFIED IN GENERAL NOTES.
- 5. POST MOUNTED DELINEATORS SHALL BE PLACED CONTINUOUSLY AS NOTED ABOVE IN CONJUNCTION WITH GUARDRAIL INSTALLED.

NOTES FOR BARRIER DELINEATOR:

- 1. THE DELINEATORS SHALL BE PLACED AT 100 FOOT SPACINGS ALONG ROADWAY AND 50 FOOT ON BRIDGES AND THREE DELINEATORS AT 15 FOOT SPACINGS ON BRIDGE APPROACHES. THE SPACINGS ARE THE SAME FOR TANGENT AND CURVE ALIGNMENTS, WHITE DELINEATOR SHALL BE PLACED ON THE RIGHT SIDE AND AMBER ON THE LEFT SIDE.
- 2. REFLECTOR MARKERS TYPE B AND TYPE C SHALL HAVE REFLECTIVE SURFACE ON ONE SIDE ONLY.

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DATE	REVISIONS
7-1-2009	CHANGED BARRIER TO F-SHAPE CONFIG. ADDED SECTION C-C
	NEW BARRIER DELINEATORS
2-7-2012	REVISED REFLECTOR MARKER TYPE C DIMENSION

DELINEATORS

STANDARD D4-02

APPROVED *Paul Kovacs* DATE 7-1-2009
PAUL KOVACS CIVIL ENGINEER