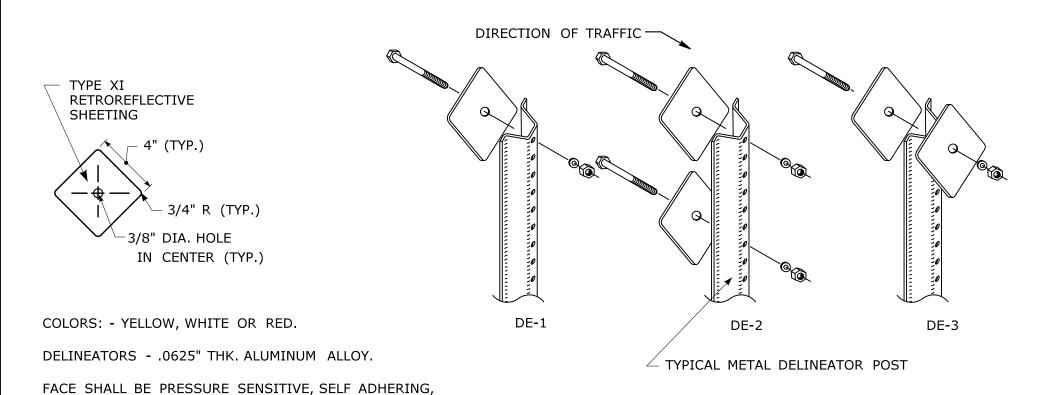
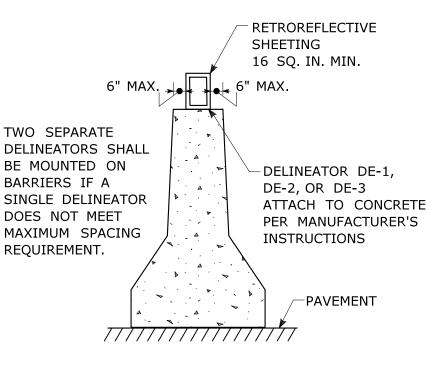
DELINEATORS DE-1, DE-2, DE-3

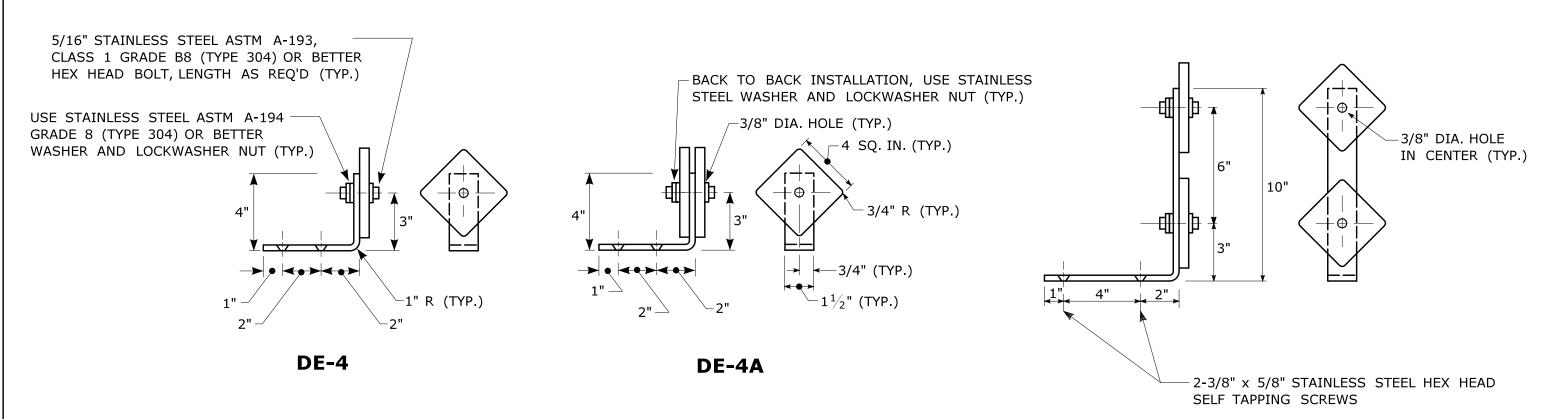
INSTALLATION ON DELINEATOR POSTS



INSTALLATION ON PERMANENT CONCRETE BARRIER, **BRIDGE PARAPETS AND RETAINING WALLS**



DELINEATORS DE-4, DE-4A, DE-5 FOR INSTALLATION ON METAL BRIDGE RAIL



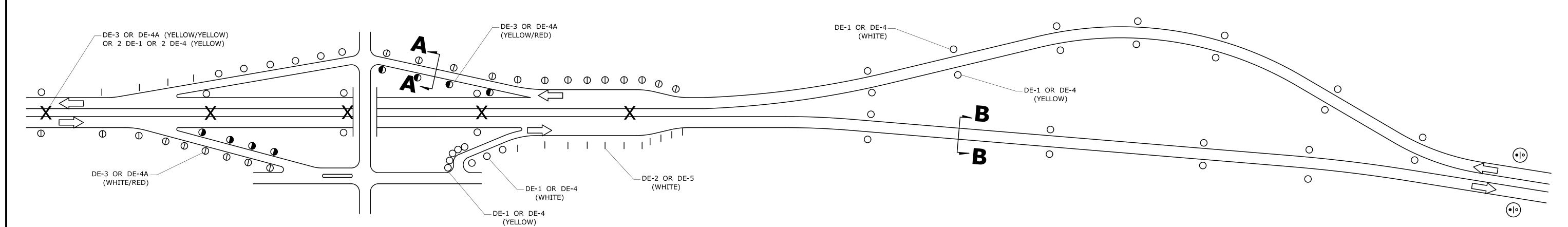
COLORS: - YELLOW, WHITE OR RED. DELINEATORS - .0625" THK. ALUMINUM ALLOY. BRACKET - .125" THK. ALUMINUM ALLOY, AND SHALL CONFORM TO SPECIFICATION M.18.07-03 BRIDGE RAIL MOUNTING BRACKETS. FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE XI RETROREFLECTIVE SHEETING.

USE STAINLESS STEEL WASHERS ON FACE OF DELINEATORS, 5/8" O.D. X 3/8" I.D. X .032" THK. (TYP.)

DELINEATORS TYPE DE-4, DE-4A, AND DE-5 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

DELINEATORS DE-1, DE-2, DE-3 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

TYPICAL MAINLINE & INTERCHANGE DELINEATION



DELINEATOR SPACING NOTES:

TYPE XI RETROREFLECTIVE SHEETING.

1) AT LOCATIONS WHERE THE MEDIAN WIDTH (BETWEEN SHOULDERS) IS 12' OR LESS, AND MEDIAN BEAM RAIL IS PRESENT, TYPE DE-3 DELINEATORS SHALL BE MOUNTED WITHIN THE MEDIAN BEAM RAIL.

DELINEATORS SHALL BE FASTENED WITH 5/16" STAINLESS STEEL ASTM A-193 CLASS 1,

FIBER INSERT SELF LOCKING NUT, ON STANDARD METAL DELINEATOR POST.

GRADE B8 (TYPE 304) OR BETTER HEX HEAD BOLT (LENGTH AS REQUIRED), WASHER AND

- 2) SPACING ON MAINLINE EXPRESSWAY TANGENTS SHALL BE 400'.
- 3) SPACING ON MAINLINE EXPRESSWAY CURVES SHALL BE AS SPECIFIED IN THE MUTCD TABLE.
- 4) ON ACCELERATION AND DECELERATION LANES AND ON-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 100'.
- 5) ON CURVED PORTIONS OF RAMPS, DELINEATOR SPACING SHALL BE IN ACCORDANCE WITH THE MUTCD TABLE, BUT NOT TO EXCEED 100'.
- 6) ON OFF-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 50' THROUGHOUT.
- 7) GUIDE RAIL AND BARRIER DELINEATOR SPACING SHALL BE AS SPECIFIED IN THE CORRESPONDING SPECIFICATIONS AND DETAILS.
- 2' TYP. TO 8' MAX. AS DIRECTED BY ENGINEER. ONE OFFSET SHALL BE USED THROUGHOUT PROJECT. DELINEATORS TO BE PLACED IN LINE WITH GUIDE RAIL POSTS WHEN GUIDE RAIL IS 8'OR LESS FROM THE EDGE OF THE ROAD. RAMP PAVEMENT FACE OF CURB \

SECTION A-A

DELINEATOR PLACEMENT ON RAMPS ON TANGENT SECTIONS - RIGHT SIDE OF RAMP ON CURVED SECTIONS - BOTH SIDES OF CURVE

ON TANGENT AND CURVE - BOTH SIDES OF OFF-RAMP

LEGEND:

SIGNATURE/

BLOCK:

NOT TO SCALE

- O DE-1 DELINEATORS OR DE-4 DELINEATOR ASSEMBLY
- DE-2 DELINEATORS OR DE-5 DELINEATOR ASSEMBLY (WHITE)
- X DE-3 DELINEATOR OR DE-4A DELINEATOR ASSEMBLY (YELLOW & YELLOW)

-2'TYP. TO 8'MAX. AS DIRECTED BY ENGINEER.

APPROVED BY:

ONE OFFSET SHALL BE USED THROUGHOUT PROJECT.

DELINEATORS TO BE PLACED IN LINE WITH GUIDE RAIL POSTS

- DE-3 DELINEATORS OR DE-4A DELINEATOR ASSEMBLY (BI-COLOR: YELLOW & RED)
- DE-3 DELINEATORS OR DE-4A DELINEATOR ASSEMBLY (BI-COLOR: WHITE & RED)
- ① D10-1, 2, 3, OR 4 ASSEMBLY TO BE INSTALLED WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. (REFERENCE LOCATION/MILE POST SIGNS)

COLOR APPLICATION, FOR DE-1 THRU DE-5

- 1. UNLESS INDICATED OTHERWISE, THE DELINEATOR OR BARRIER DELINEATOR COLOR SHALL CONFORM TO THE COLOR OF THE PAVEMENT EDGE LINE ON THE SIDE OF THE ROAD WHERE THE DELINEATORS OR BARRIER DELINEATORS
- 2. SINGLE RED DELINEATORS ARE MOUNTED ON THE BACK SIDE OF DELINEATOR POSTS FOR WRONG WAY DRIVER APPLICATIONS.

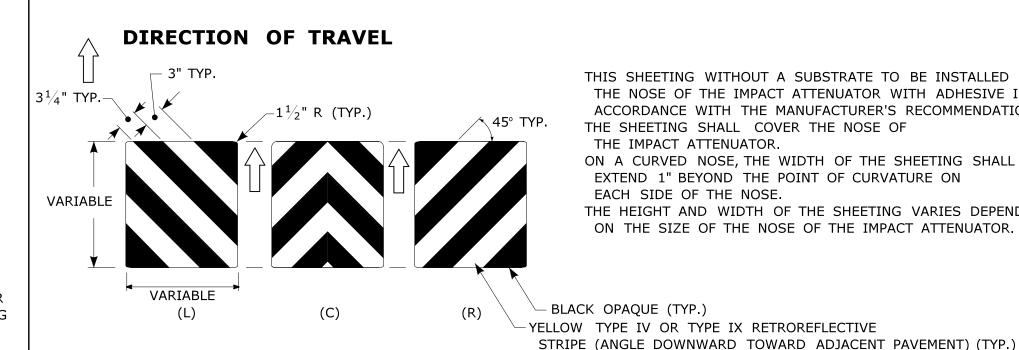
MUTCD TABLE - APPROXIMATE SPACING FOR DELINEATORS ON HORIZONTAL CURVES

RADIUS (R) OF CURVE (feet)	APPROXIMATE SPACING (S) ON CURVE (feet)
50	20
115	25
180	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90

DISTANCE IN FEET WERE ROUNDED TO THE NEAREST 5 FEET. SPACING FOR SPECIFIC RADII MAY BE INTERPOLATED FROM TABLE. THE MINIMUM SPACING SHOULD BE 20 FEET. THE SPACING ON CURVES SHOULD NOT EXCEED 300 FEET. IN ADVANCE OF OR BEYOND A CURVE, AND PROCEEDING AWAY FROM THE END OF THE CURVE, THE SPACING OF THE FIRST DELINEATOR IS 2S, THE SECOND IS 3S, AND THE THIRD 6S BUT NOT TO EXCEED 300 FEET

S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADII COMPUTED FROM THE FORMULA: $S=3\sqrt{R-50}$.

ATTENUATOR REFLECTORS SIGN #40-4266



THIS SHEETING WITHOUT A SUBSTRATE TO BE INSTALLED ON THE NOSE OF THE IMPACT ATTENUATOR WITH ADHESIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

- THE SHEETING SHALL COVER THE NOSE OF THE IMPACT ATTENUATOR.
- ON A CURVED NOSE, THE WIDTH OF THE SHEETING SHALL EXTEND 1" BEYOND THE POINT OF CURVATURE ON EACH SIDE OF THE NOSE.

DE-5

THE HEIGHT AND WIDTH OF THE SHEETING VARIES DEPENDING ON THE SIZE OF THE NOSE OF THE IMPACT ATTENUATOR.

BLACK OPAQUE (TYP.)

ATTENUATOR REFLECTOR TO BE PAID FOR UNDER SECTION 18.0 IMPACT ATTENUATOR

WHEN GUIDE RAIL IS 8'OR LESS FROM THE EDGE OF THE ROAD. SHOULDER MAINLINE PAVEMENT 4' MIN. 4'-6" MAX. SECTION B-B DELINEATOR PLACEMENT ON MAINLINE

OFFICE OF ENGINEERING

2800 BERLIN TURNPIKE

NEWINGTON, CT 06111





PROJECT NUMBER: 0000-0000 PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION TOWN(S): SAMPLE TOWN(S) DRAWING TITLE: DELINEATION, DELINEATORS AND ATTENUATOR REFLECTOR DETAILS SHEET NO.

ESIGNER/DRAFTER: LASTED SAVED BY: RichardEH FILE NAME: W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel **PLOTTED DATE:** 5/30/2024