

TYPICAL LOOP LAYOUT DIMENSIONS

1. LOOPS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS
2. "A" - TYPICALLY 15' MAX TO MAINTAIN DIMENSIONS "G" AND "E" MAY BE REDUCED IF ENTRANCE GATES CANNOT BE RELOCATED.
3. "B" - TYPICALLY 15' MAX MAY BE REDUCED IF EXIT GATES CANNOT BE RELOCATED. (SEE "E").
4. "C" - TYPICALLY 12", MAY VARY FROM 6" TO 12" DEPENDING ON PAVEMENT QUALITY.
5. "D" - TYPICALLY 2' FROM EDGE OF TRAVELED WAY OR LANE LNE.
6. "E" - 3'-3 1/2" RECOMMENDED TO AVOID LOOP ACTIVATION WHEN A VEHICLE CROWDS UNDER AN ENTRANCE GATE. DIMENSION MAY BE REDUCED IF GATES CANNOT BE RELOCATED IN ORDER TO MAINTAIN THE 5' MINIMUM REFERENCED IN DIMENSION "G".
7. "F" - TYPICALLY 2' FROM LOOP TO EDGE OF TRAVELED WAY, SIMILAR TO DIMENSION "D", MAY BE INCREASED UP TO 5' WHERE IMPROVED SHOULDER OR OTHER EXISTS OR FURTHER AS DETERMINED BY DIAGNOSTIC REVIEW.
8. "G" - MAXIMUM LOOP WIDTH SHALL BE 8' MAXIMUM. LOOP WIDTH OF ENTRANCE AND EXIT LOOPS SHALL BE 5' MINIMUM. LOOPS BETWEEN TRACKS SHALL BE 3' WIDE MINIMUM
9. "H" - MAXIMUM LOOP LENGTH 28'-6"
10. "I" - MAXIMUM 13' BETWEEN LOOPS IN THE SAME LANE

NOTES:

1. TOTAL AREA OF LOOP SHALL BE 144 SQ FT MAXIMUM
(EXAMPLE 1: 8' MAX WIDTH X 18' = 144 SQ FT)
(EXAMPLE 2: 6' X 24' = 144 SQ FT)
2. WHILE LOOPS MAY COVER MULTIPLE LANES. THEY SHALL NOT COVER PARTIAL LANES
3. PREFORM VEHICLE DETECTION LOOPS, VITAL WATER REPELLENT, WITH AN INTEGRAL CHECK LOOP SUCH AS THAT MANUFACTURED BY RENO A&E
4. SAW-CUTTING PAVEMENT FOR LOOP INSTALLATION SHALL BE AVOIDED


REV	DATE	BY	CHK	APP	DESCRIPTION

PENINSULA CORRIDOR JOINT POWERS BOARD

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STANDARD DRAWINGS

SIGNAL AND COMMUNICATION
HIGHWAY GRADE CROSSING APPARATUS
PLACEMENT FOR INDUCTIVE LOOPS
USED WITH EXIT GATES

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