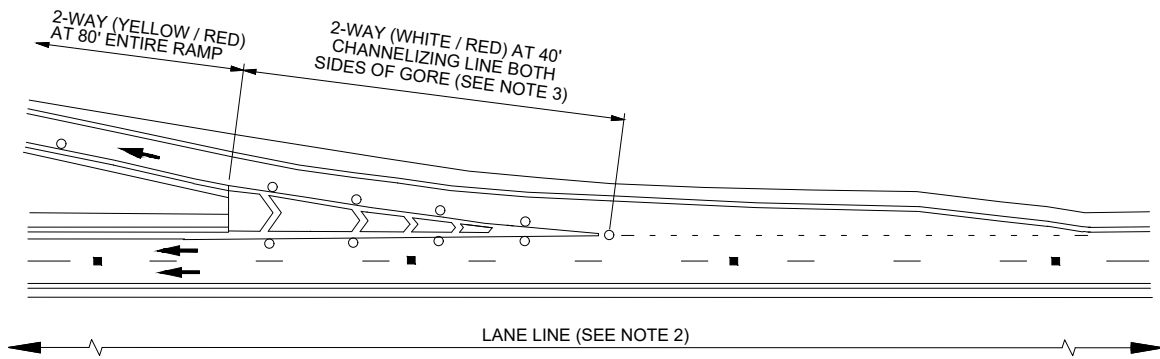
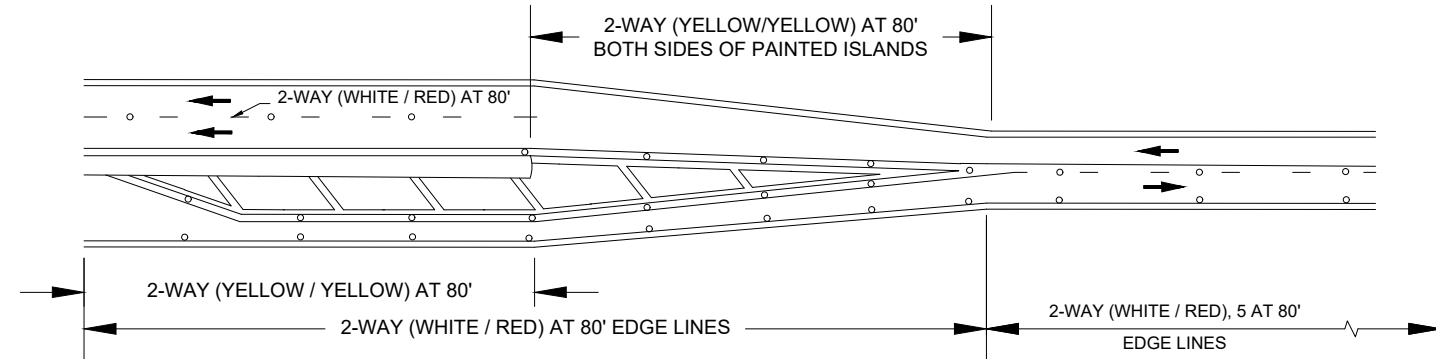


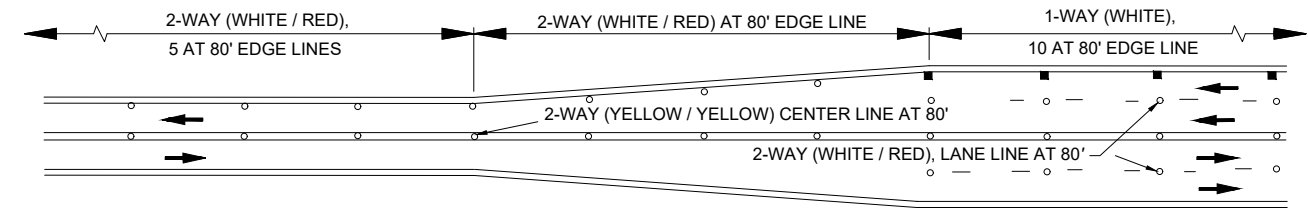
ENTRANCE RAMP



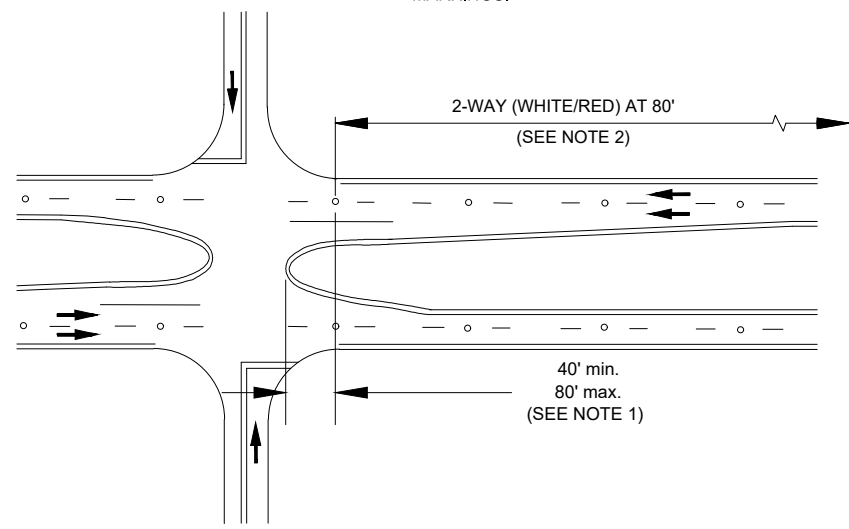
EXIT RAMP



4-LANE DIVIDED TO 2-LANE TRANSITION



4-LANE UNDIVIDED TO 2-LANE TRANSITION



MULTI-LANE DIVIDED HIGHWAY

( SEE NOTE 5 AND 6)


**NOTES:**

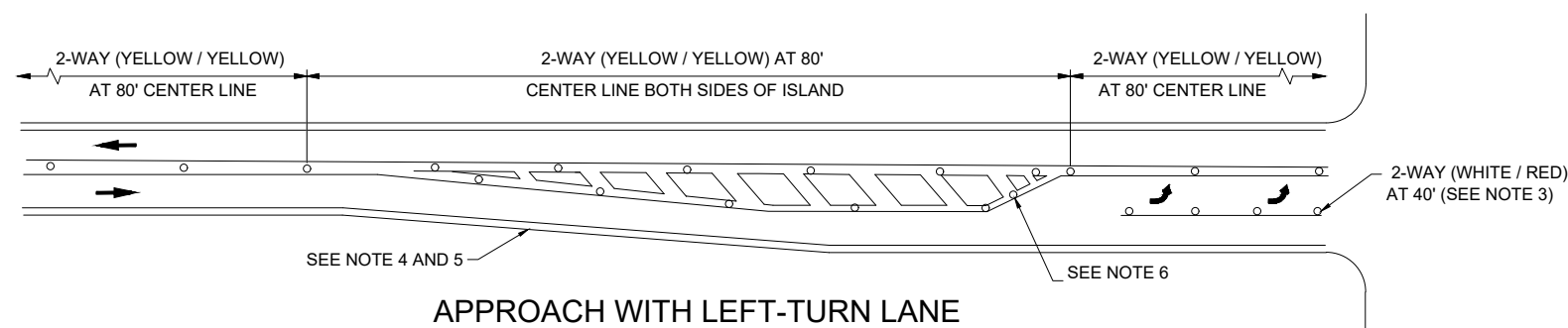
1. RAISED PAVEMENT MARKERS (RPM'S) SHALL NOT BE WITHIN THE INTERSECTION.
2. RAISED PAVEMENT MARKERS ON LANE LINES ON FREEWAYS SHALL BE ONE-WAY WHITE SPACED AT 120'. ALL OF THE RAISED PAVEMENT MARKERS ON LANE LINES ON MULTI-LANE ROADWAYS AND RAMPS SHALL BE TWO-WAY WHITE/RED SPACED AT 50'.
3. WHEN A CHANNELIZING LINE IS LESS THAN 80' IN LENGTH, ONE RPM SHALL BE PLACED AT EACH END OF THE LINE, AND ONE SHALL BE PLACED IN THE CENTER OF THE LINE.
4. WHEN THE GORE OR CHANNELIZING LINE IS LESS THAN 40' IN LENGTH, ONE RPM SHALL BE PLACED AT EACH END OF THE LINE, AND ONE SHALL BE PLACED IN THE CENTER OF THE LINE.
5. RAISED PAVEMENT MARKERS SHALL NOT BE PLACED ON EDGE LINES ON A THROUGH APPROACH.
6. ALL APPROACHES AT A SIGNALIZED INTERSECTION SHALL BE TREATED AS SHOWN IN THE STOP APPROACH DETAIL BY ADDING EDGE LINE MARKERS ALONG THE RIGHT EDGE LINE.
7. WHERE EDGE LINE RPM'S FALL WITHIN THE LIMITS OF A DRIVEWAY, THEY ARE TO BE RELOCATED LONGITUDINALLY A MAXIMUM OF TWENTY-FIVE PERCENT (25%) OF THE NORMAL SPACING REQUIREMENT. IF RELOCATION IS STILL WITHIN THE DRIVEWAY LIMITS, THE AFFECTED RPM SHALL NOT BE INSTALLED.
8. RPM'S SHALL NOT BE PLACED OVER PAVEMENT MARKINGS WITHOUT THE APPROVAL OF THE ENGINEER.
9. RPM'S SHALL NOT BE INSTALLED ADJACENT TO CURBS EVEN IF EDGE LINE EXISTS.
10. RPM'S SHALL NOT BE PLACED ON DOTTED LINES. DOTTED LINE LENGTHS ARE (2' LINES WITH 6' SPACE AND 3' LINES WITH 9' SPACE)
11. RPM'S SHALL NOT BE PLACED WITHIN CROSSWALKS, SCHOOL SYMBOLS OR RAIL ROAD MARKINGS.

**LEGEND**

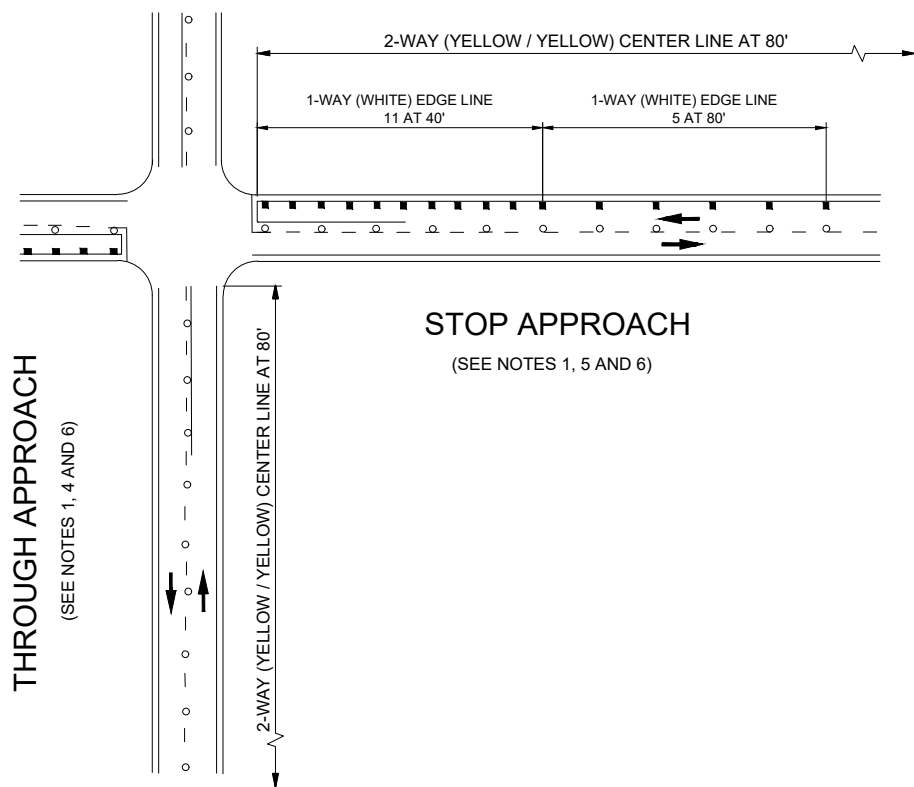
■	1-Way Reflectors
○	2-Way Reflectors
←	Direction of Travel

**SPACING DETAILS**

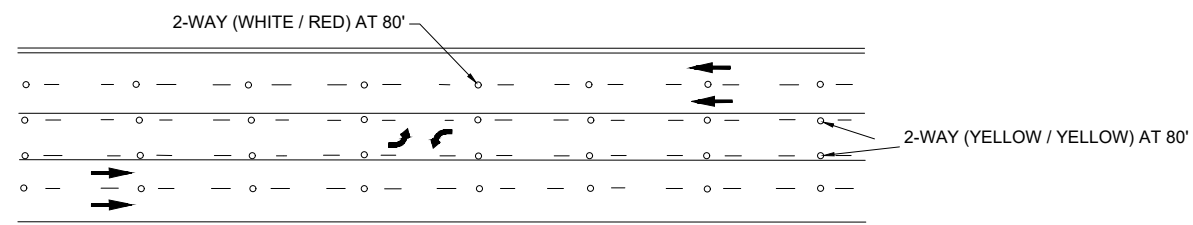
<b>RAISED PAVEMENT MARKERS (RPM)</b>	
CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION	<b>STD DWG 1644</b>
	03/01/2023
CITY ENGINEER	SHT 1 OF 3



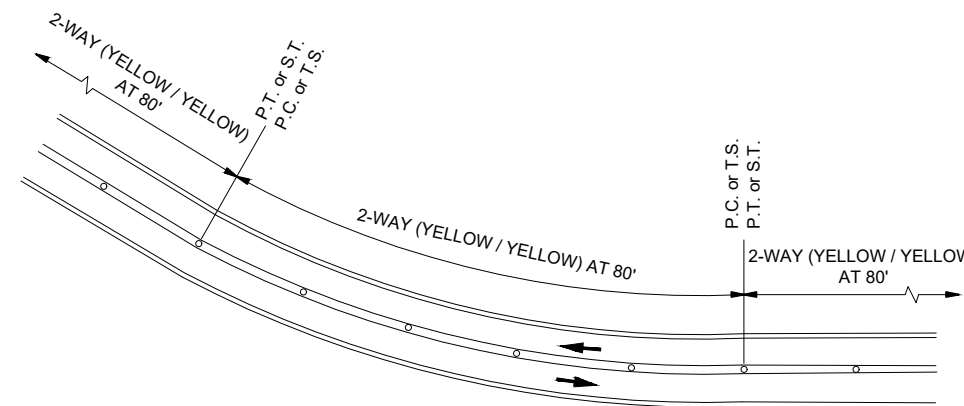
**APPROACH WITH LEFT-TURN LANE**



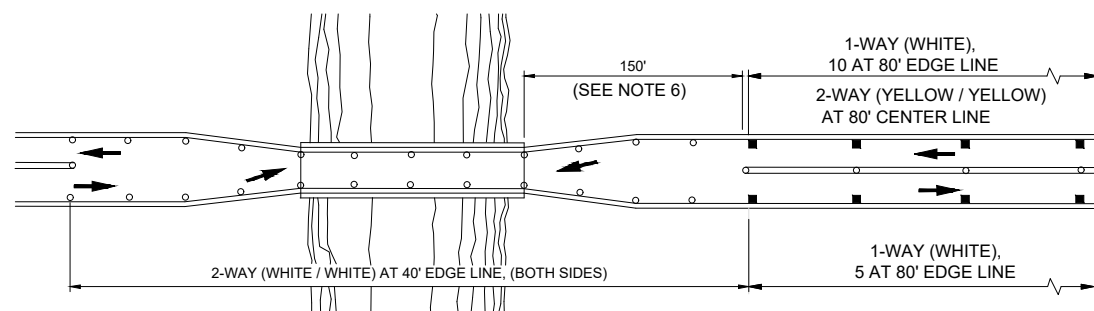
**STOP APPROACH**  
(SEE NOTES 1, 5 AND 6)



**TWO-WAY LEFT-TURN LANE**  
(SEE NOTES 2 AND 6)



**HORIZONTAL CURVE**  
(SEE NOTE 6)



**ONE-LANE BRIDGE**

**NOTES:**

1. RAISED PAVEMENT MARKERS SHALL NOT BE PLACED IN THE INTERSECTION.
2. RAISED PAVEMENT MARKERS ON LANE LINES ON MULTI-LANE ROADWAYS AND RAMP SHALL BE TWO-WAY WHITE/RED SPACED AT 80'
3. WHEN A CHANNELIZING LINE IS LESS THAN 80' IN LENGTH, ONE RAISED PAVEMENT MARKER SHALL BE PLACED AT EACH END OF THE LINE, AND ONE SHALL BE PLACED IN THE CENTER OF THE LINE.
4. RAISED PAVEMENT MARKERS SHALL NOT BE PLACED ON EDGE LINES ON A THROUGH APPROACH.
5. ALL APPROACHES AT A SIGNALIZED INTERSECTION SHALL BE TREATED AS SHOWN IN THE STOP APPROACH DETAIL BY ADDING EDGE LINE MARKERS ALONG THE RIGHT EDGE LINE.
6. THE SPACING FOR THE CENTER LINE RAISED PAVEMENT MARKERS SHALL BE 80' EXCEPT FOR THE FOLLOWING:
  - 6.a. FOR ONE-LANE BRIDGES, CENTER LINE PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS, SHALL BE OMITTED 150' ON EACH SIDE AND ACROSS THE BRIDGE.
  - 6.b. FOR HORIZONTAL CURVES OF 5° OR GREATER, THE SPACING OF THE CENTER LINE MARKERS SHALL BE REDUCED TO 40' BETWEEN THE P.C. OR T.S. AND P.T. OR S.T.
  - 6.c. FOR HORIZONTAL CURVES OF 10° OR GREATER, THE SPACING OF THE CENTERLINE MARKERS SHALL BE REDUCED TO 20' BETWEEN P.C. OR T.S. AND P.T. OR S.T. WHEN USING 20' SPACING, 12 RAISED PAVEMENT MARKERS AT 40' SPACING SHALL BE INSTALLED ON EACH END OF THE 20' SPACING.
  - 6.d. ON AN INTERSECTION APPROACH WITH A LEFT TURN LANE, A MINIMUM OF THREE EQUALLY SPACED RAISED PAVEMENT MARKERS SHALL BE INSTALLED ON THE DIVERGING (RETURN) TAPER.
7. RAISED PAVEMENT MARKERS:
  - 7.a. SHALL NOT BE INSTALLED ON BRIDGES LESS THAN 400' ON TANGENT ALIGNMENTS.
  - 7.b. SHALL BE INSTALLED AT TWICE THE NORMAL SPACING ON BRIDGES LONGER THAN 400' ON TANGENT ALIGNMENTS.
  - 7.c. SHALL BE INSTALLED AT THE NORMAL SPACING ON ANY LENGTH BRIDGE ON A CURVE.

**SPACING DETAILS**

**RAISED PAVEMENT MARKERS (RPM)**

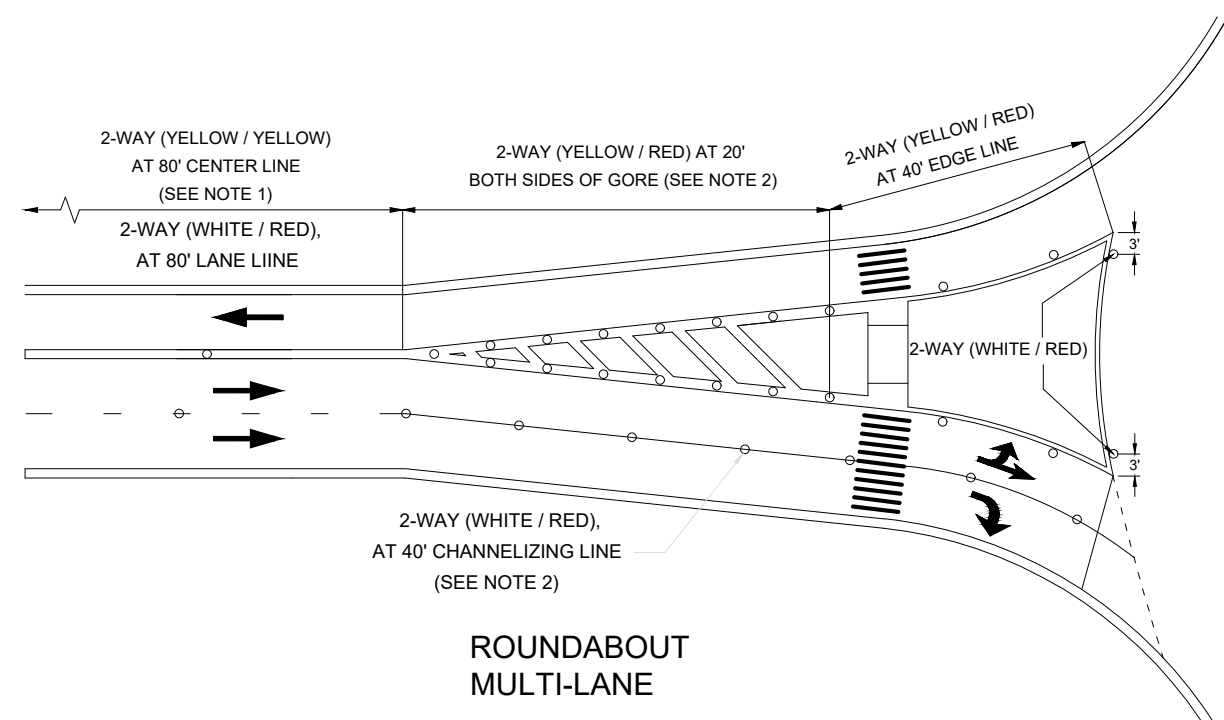
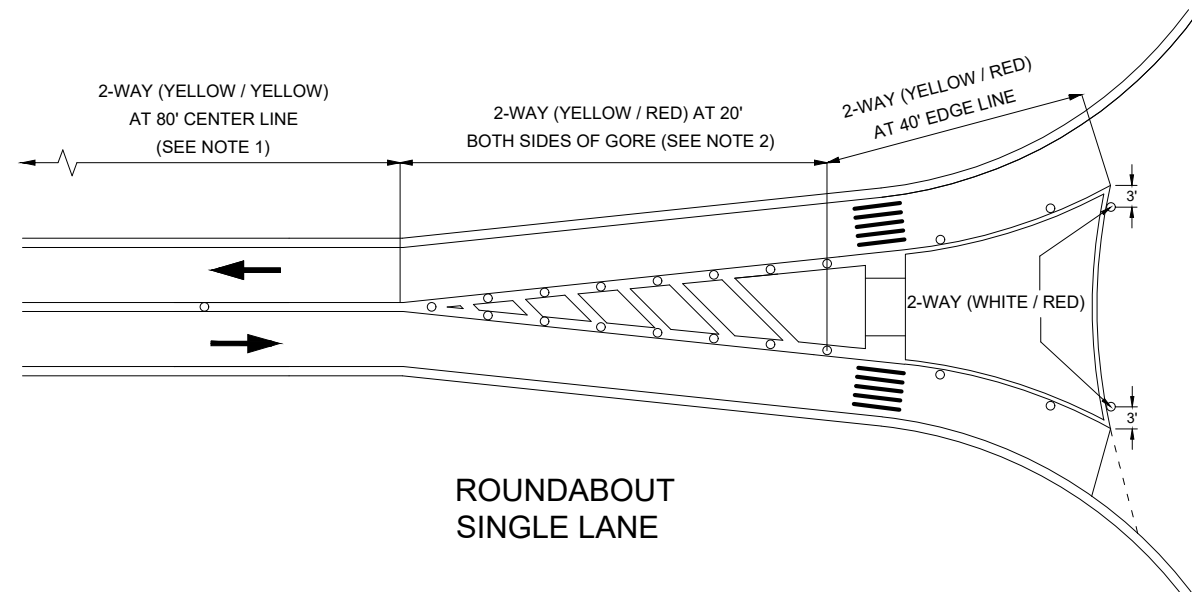
CITY OF COLUMBUS, OHIO  
DEPARTMENT OF PUBLIC SERVICE  
DIVISION OF DESIGN AND CONSTRUCTION

STD DWG  
**1644**

03/01/2023  
SHT 2 OF 3

**LEGEND**

- 1-Way Reflectors
- 2-Way Reflectors
- Direction of Travel



**LEGEND**

- 1-Way Reflectors
- 2-Way Reflectors
- ← Direction of Travel

**NOTES:**

1. THE SPACING FOR CENTER LINE RAISED PAVEMENT MARKERS SHALL BE 80' EXCEPT FOR THE FOLLOWING:
  - 1a. FOR ONE-LANE BRIDGES, CENTER LINE PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS, SHALL BE OMITTED 150' ON EACH SIDE AND ACROSS THE BRIDGE.
  - 1b. FOR THE CENTER LINE MARKERS SHALL BE REDUCED TO 40' BETWEEN P.C. OR T.S. AND P.T. OR S.T.
  - 1c. FOR THE CENTER LINE MARKERS SHALL BE REDUCED TO 20' BETWEEN P.C. OR T.S. AND P.T. OR S.T. WHEN USING 20' SPACING, 12 RAISED PAVEMENT MARKERS AT 40' SPACING SHALL BE INSTALLED ON EACH END OF THE 20' SPACING.
2. WHEN THE GORE OR CHANNELIZING LINE IS LESS THAN 40' IN LENGTH, ONE RAISED PAVEMENT MARKER SHALL BE PLACED AT EACH END OF THE LINE, AND ONE SHALL BE PLACED IN THE CENTER OF THE LINE.

**SPACING DETAILS**

<b>RAISED PAVEMENT MARKERS (RPM)</b>	
CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION	STD DWG <b>1644</b>
03/01/2023	
SHT 3 OF 3	