

**GENERAL**

These specifications, together with the accompanying plans are intended to describe the type, size and location of the products and materials to be provided and installed under the various bid items related to traffic control. The Contractor shall furnish and install traffic control devices and related materials in compliance with these plans and specifications, as well as the 2018 City of Columbus Construction and Material Specifications, the Ohio Manual of Uniform Traffic Control Devices and the Standard Construction Drawings issued by the City of Columbus and the Ohio Department of Transportation. These specifications set forth the minimum performance and operating requirements of the traffic control items referred to herein.

Note 1: All City of Columbus signs removed shall be returned to the Transportation Division Traffic Maintenance Shop at 1820 E. 17th Ave. at the Contractor's expense.

Note 2: For clarity, underground utilities have not been shown. See plan and profile sheets for underground utility locations. Contractor shall contact the Ohio Utility Protection Service to have all utilities marked prior to placing sign posts.

Note 3: Existing stop sign, Do Not Enter, One Way and Street Name signs shall not be removed until alternate means of traffic control are in place and fully operational.

**RAISED PAVEMENT MARKER SPACING**

NORMAL:  
 CENTERLINES 80' TWO-WAY YELLOW  
 LANE LINES 80' TWO-WAY WHITE/RED  
 EDGE LINES 80' ONE-WAY WHITE  
 CHANNELIZING LINES 20' TWO-WAY WHITE/RED  
 TWO WAY LEFT TURN LANE 40' BOTH SIDES TWO-WAY YELLOW

APPROACH TO STOP OR SIGNAL:  
 (Measured from stop line or radius tangent point)

Edge Lines 12@20' / 9@40' / 5@80'  
 Lane Lines 12@20' / 9@40' / 80' Normal Spacing  
 Centerlines 12@20' / 9@40' / 80' Normal Spacing

THROUGH STREET APPROACH:

Edge Line 11@80' One-Way White  
 Lane Line 21@40' / 80' Normal Spacing Two-Way White/Red  
 Centerline 21@40' / 80' Normal Spacing Two-Way Yellow

DEPARTURE FROM THROUGH STREET, SIGNAL OR STOP CONDITION:

Lane Line 5@80' Two-Way White/Red  
 Edge Line 5@80' One-Way White

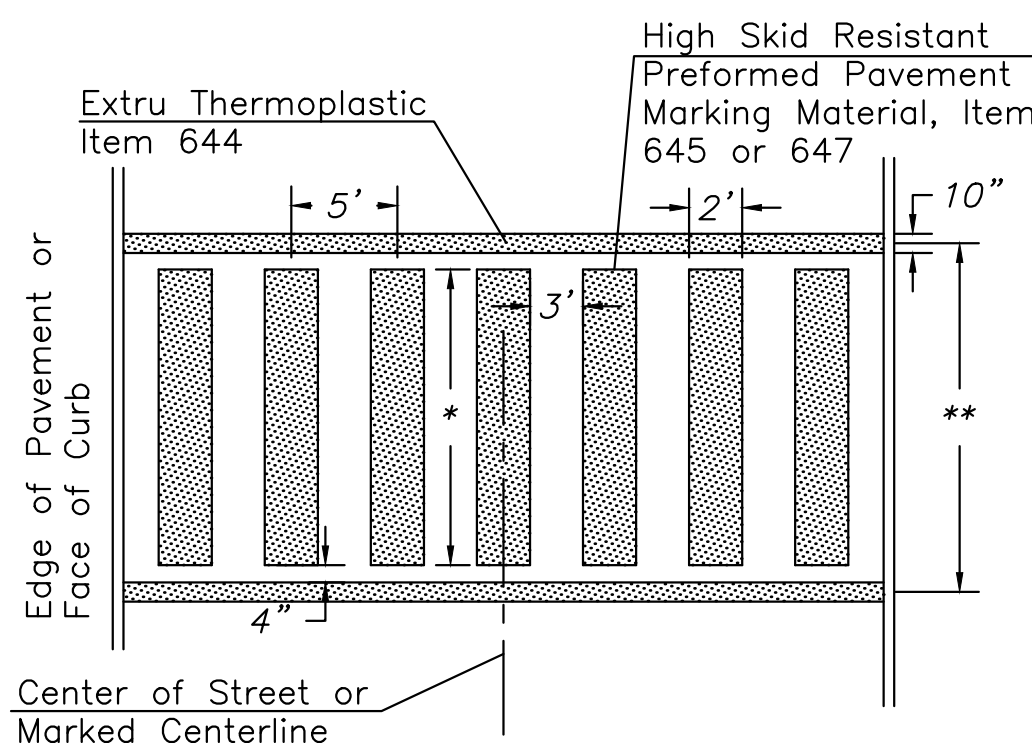
TWO-WAY LEFT TURN:

(Stop condition or approach to a signal)

Approach 2WLT Markings 12@20' / Normal Spacing Both Sides Two-Way Yellow

NOTES:

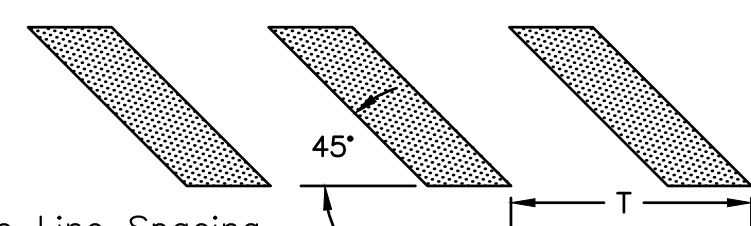
1. See General Policy and Procedure on Street Selection for Raised Pavement Markers current edition.
2. Edge line RPMs fall within the limits of a driveway, they are to be relocated longitudinally a maximum of ten percent (10%) of the normal spacing. If relocation is still within driveway limits, the affected RPM shall not be installed.
3. RPM's shall not be installed over pavement marking without the Engineer's approval.
4. White edge line RPMs shall not be installed adjacent to curbs even if edge line exists.
5. RPMs shall not be installed within intersections.
6. RPMs shall not be installed on bridge decks.
7. RPMs shall not be installed on dotted lines. Dotted line lengths (2' line with 6' space) or (3' line with 9' space)
8. Diverging tapers (returns) shall have a minimum of three (3) evenly spaced two-way yellow RPM's if normal spacing does not provide for at least three.
9. RPM's shall not be placed within crosswalks, school symbols or rail road markings. RPM's shall not be placed within Round-Abouts.



| *TYPE 2 MARKING WIDTH (FT.) | **CROSSWALK WIDTH (FT.) |
|-----------------------------|-------------------------|
| 9                           | 10.5                    |
| 12                          | 13.5                    |
| 15                          | 16.5                    |
| 18                          | 19.5                    |

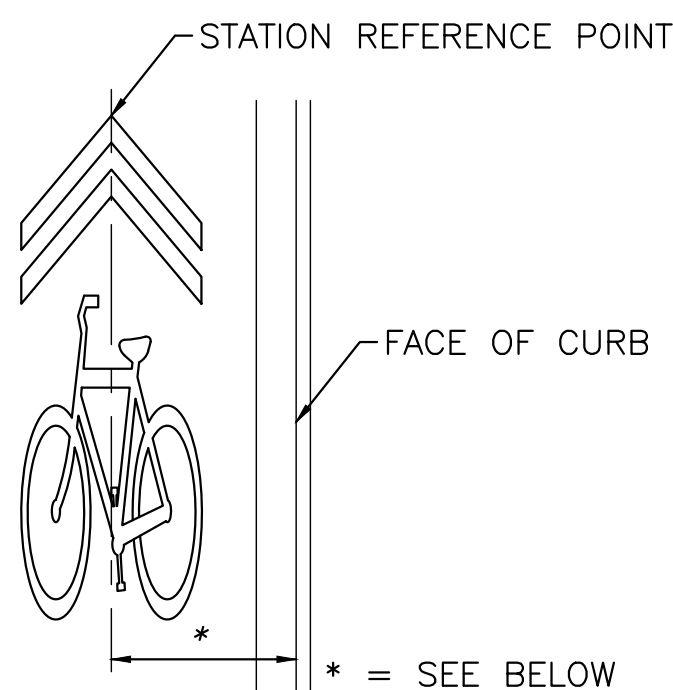
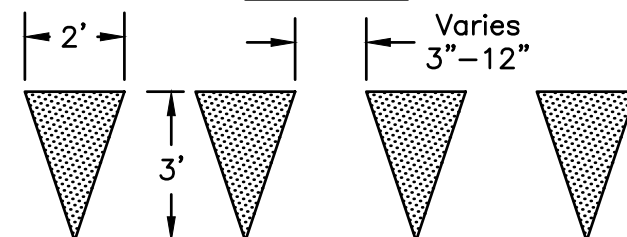
**CROSSWALK, TYPE 2 DETAIL**

**TRANSVERSE LINE DETAIL**



Transverse Line Spacing  
 Islands < 100', t=12'  
 Islands 100' - 384', t=24'  
 Islands > 384' = 4 Lines @ 24' Each End  
 With Lines in the Middle Spaced @ 48'

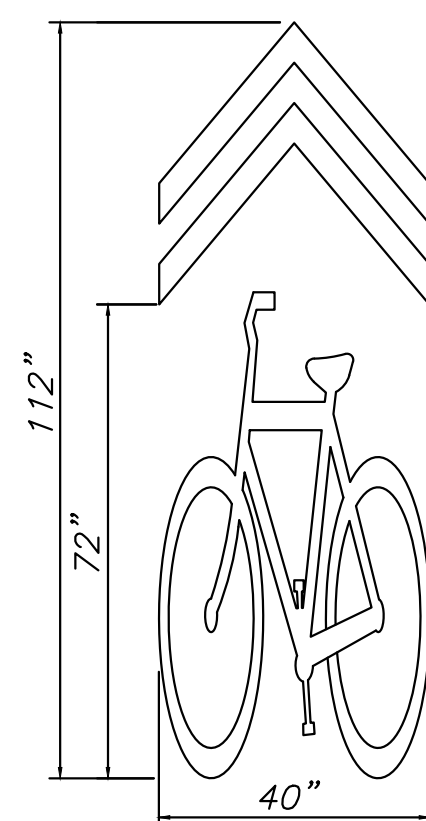
**YIELD LINE, AS PER PLAN DETAIL**



**SHARED LANE MARKING PLACEMENT DETAIL**  
 Not To Scale

Prior to applying proposed shared lane markings to the streets along this project, the Contractor shall field mark the location for approval by the Engineer. The Contractor will be required to field verify and if necessary adjust the location of the lateral and longitudinal placement dimensions shown on these plans based on the following criteria:

1. For lanes less than or equal to 12 feet wide, place shared lane marking in the center of the lane.
2. For lanes greater than 12 feet wide, place sharrows 5 feet from the face or curb/edge of pavement.
3. If permanent on street parking exists, the rules above apply but add 8 feet to the dimension.

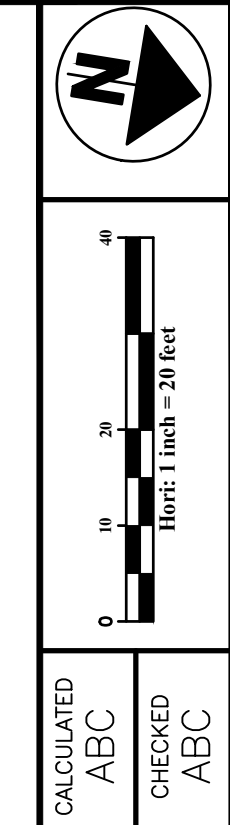


**SHARED LANE MARKING**  
 Not To Scale

**DESIGNER NOTES:**  
 1. Contact City for current RPM standards.

**TRAFFIC CONTROL ESTIMATE OF QUANTITIES**

| Item  | Quantity | Unit  | Description  |
|---|----------|-------|--|
| <b>Estimate of Traffic Control Quantities</b> |          |       |  |
| 621   | 70       | Each  | Raised Pavement Marker Installed   |
| 621   | 30       | Each  | Raised Pavement Marker Removed   |
| 627   | 10       | Each  | Reboundable Traffic Post - (White) Installed   |
| 630   | 2        | Each  | Sign, Misc.: Solar Powered Retangular Rapid Flashing Beacon (RRFB) Pedestrian Warning Assembly |
| 630   | 44       | Sq Ft | Sign, Flat Sheet   |
| 630   | 15       | Sq Ft | Street Name Sign   |
| 630   | 98       | Ft    | Ground Mounted Support, No. 3 Post   |
| 630   | 1        | Each  | 4.0 inch Street Name Sign Support  |
| 630   | 3        | Each  | Sign Support Assembly, Pole Mounted  |
| 630   | 1        | Each  | Removal of Ground Mounted Post Support and Disposal  |
| 630   | 1        | Each  | Removal of Pole Mounted Sign and Storage   |
| 644   | 0.3      | Mile  | Lane Line, 5"  |
| 644   | 0.54     | Mile  | Center Line, 5"  |
| 644   | 50       | Ft    | Channelizing Line, 10"   |
| 644   | 11       | Ft    | Stop Line, 20"   |
| 644   | 180      | Ft    | Crosswalk Line, 10"  |
| 644   | 84       | Ft    | Transverse/Diagonal Line, 20"  |
| 644   | 2        | Each  | Lane Arrow   |
| 644   | 200      | LF    | Removal of Pavement Markings   |
| 647   | 100      | Ft    | Crosswalk Line Type II, Type B90   |
| 647   | 2        | Each  | Shared Lane Marking  |



CALCULATED  
 ABC  
 CHECKED  
 ABC

TRAFFIC CONTROL GENERAL NOTES

IMPROVEMENTS OF ...  
 STREET A FROM STREET B TO STREET C

XXX-E  
 X  
 XX