NOTES

1. ADVANCE WARNING SIGNAGE

SIZE: MINIMUM SIGN SIZE IS 36". INCREASE SIZE TO 48" ON ROADWAYS WITH POSTED SPEED EQUAL TO OR GREATER THAN 45 MPH OR ON ARTERIAL ROADWAYS WITH 4 LANES OR MORE. ONE-WAY STREETS REQUIRE SIGNS POSTED ON BOTH SIDES OF ROADWAY.

SPACING: SPACING BETWEEN SIGNS IS 100' FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH AND 350' FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH PER TABLE 2: ADVANCE WARNING SIGNS. FIRST SIGN IN SERIES IS PLACED 100' OR 350' PRIOR TO THE FIRST DRUM OR DEVICE. MAINTAIN 200' CLEARANCE FROM EXISTING SIGNAGE WHENEVER POSSIBLE. INSTALL TYPE A LOW INTENSITY FLASHING LIGHTS ON SIGNS AS DIRECTED BY THE OMUTCD PART 6 SECTION 6F-83, CURRENT EDITION, WHEN TEMPORARY TRAFFIC CONTROL DEVICES ARE USED FOR NIGHTTIME ROADWAY AND PEDESTRIAN MAINTENANCE OF TRAFFIC CONTROL SETUPS.

CONFLICTING SIGNS: REMOVE OR COVER EXISTING SIGNS LOCATED WITHIN 250' OF FIRST WARNING SIGN AND ALL CONFLICTING SIGNS WITHIN WORK ZONE. END ROAD WORK SIGNS, G-20-2, SHALL ONLY BE USED WHEN CONSTRUCTION EXCEEDS 180 DAYS, AS WHEN SHOWN IN A ROADWAY MAINTENANCE OF TRAFFIC PLAN, OR AS DIRECTED BY THE ENGINEER.

2. CHANNELIZING DEVICES

<u>DRUMS:</u> DRUMS SHALL HAVE TYPE C OR TYPE D 360 DEGREE STEADY BURN WARNING LIGHTS FOR USE AT NIGHT. DURING DAYTIME OPERATIONS 42" CHANNELIZING DEVICES MAY BE SUBSTITUTED FOR DRUMS WITH THE PERMISSION OF THE ENGINEER.

DEVICE SPACING: 40' ON TANGENTS, 20' TAPERS, 6' TO 8' ON RADII 10' MINIMUM LANE WIDTHS SHALL BE MAINTAINED. A MINIMUM OF 5 DRUMS SHALL BE USED TO CLOSE THE UPSTREAM SHOULDER.

DRUM MOUNTED SIGNS: CONTRACTOR MAY USE A POLYPROPYLENE FLUTED SHEET FOR SIGNING WHEN PLACING ON TOP OF DRUMS. SIGNS SHALL BE ATTACHED TO THE DRUMS USING APPROPRIATE HARDWARE. ONLY "KEEP RIGHT", "ONE-WAY", AND TURN RESTRICTION SIGNS SHALL BE POSTED ON TOP OF DRUMS.

ALL SIGNS SHALL MAINTAIN RETROREFLECTIVITY. SIGN SUBSTRATE SHALL CONFORM TO FHWA SIGN SUBSTRATES FOR PLASTIC DRUMS AND WORK ZONE ACCEPTANCE LETTER WZ-45 "CRASHWORTHY WORK ZONE DEVICES" AS OF OCTOBER 1, 2000.

3. TAPER LENGTHS

TAPER LENGTH CRITERIA FOR TEMPORARY TRAFFIC CONTROL ZONES SHALL BE PER TABLE 1: TAPER LENGTHS FOR TEMPORARY TRAFFIC CONTROL ZONE FOR CALCULATED TAPER LENGTHS.

EXIT TAPERS SHALL BE 100' PER LANE, MAXIMUM.

4. TEMPORARY MARKINGS

WHEN LANE CLOSURES EXCEED 14 CALENDAR DAYS, TEMPORARY MARKINGS (740.06) TAPE, MINIMUM 4'-0" LONG SEGMENTS SHALL BE INSTALLED FOR ALL CENTERLINES, CHANNELS, AND LANE LINES. CONFLICTING MARKINGS SHALL BE COVERED WITH NON-REFLECTIVE TAPE OR REMOVED. ITEM 642 PAINT SHALL BE USED IF AN AREA IS TO BE MILLED AND/OR RESURFACED OR PLACED ON THE INTERMEDIATE ASPHALT COURSE.

5. GENERAL NOTES AND MODIFICATIONS OF STANDARD CONSTRUCTION DRAWINGS

THE USE OF ANY MAINTENANCE OF TRAFFIC STANDARD DRAWING SHALL REQUIRE A MAINTENANCE OF TRAFFIC TABLE PROVIDED BY THE DIVISION OF DESIGN AND CONSTRUCTION. MODIFICATIONS TO THE TEMPORARY TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS MAY OCCUR WHEN FIELD CONDITIONS DICTATE THAT THE APPLICATION OF THE STANDARD DRAWING DOES NOT MEET ITS INTENDED PURPOSE. ONLY THE ENGINEER MAY DEVIATE FROM THESE DRAWINGS.

6. SCD 1500 REFERENCE

ALL NOTES, TABLES, FIGURES, AND LEGENDS INCLUDED AS PART OF SCD 1500 ARE TO BE APPLIED TO ALL OTHER MAINTENANCE OF TRAFFIC SCD (1501-1599).

TABLE 1: TAPER LENGTHS FOR TEMPORARY TRAFFIC CONTROL ZONES [†]

| D: TAPER RATE (SHOULDER) CLOSURE OMUTCD 0.33L = WS ² / 60 | | | | | 0.33L = WS | | | |
|---|--------|--------|--------|--------|------------|--------|--------|--------|
| WIDTH OF SHOULDER | 25 MPH | 30 MPH | 35 MPH | 40 MPH | 45 MPH | 50 MPH | 55 MPH | 60 MPH |
| 6' | * | * | * | 53' | 89' | 99' | 109' | 119' |
| 7' | * | * | 47' | 62' | 104' | 116' | 127' | 139' |
| 8' | * | * | 54' | 70' | 119' | 132' | 145' | 158' |
| 9' | * | 45' | 61' | 79' | 134' | 149' | 163' | 178' |
| 10' | * | 50' | 67' | 88' | 149' | 165' | 182' | 198' |
| 11' | * | 54' | 74' | 97' | 163' | 182' | 200' | 218' |
| 12' | * | 59' | 81' | 106' | 178' | 198' | 218' | 238' |
| E: TAPER RATE (MERGE) CLOSURE OMUTCD L = WS ² /60 | | | | | L = WS | | | |
| WIDTH OF LANE CLOSED | 25 MPH | 30 MPH | 35 MPH | 40 MPH | 45 MPH | 50 MPH | 55 MPH | 60 MPH |
| 10' | 104' | 150' | 204' | 267' | 450' | 500' | 550' | 600' |
| 11' | 115' | 165' | 225' | 293' | 495' | 550' | 605' | 660' |
| 12' | 125' | 180' | 245' | 320' | 540' | 600' | 660' | 720' |
| 13' | 135' | 195' | 265' | 347' | 585' | 650' | 715' | 780' |
| F: TAPER RATE (SHIFT) CLOSURE OMUTCD 0.5L = WS ² /60 | | | | | L = WS | | | |
| WIDTH OF LANE SHIFT | 25 MPH | 30 MPH | 35 MPH | 40 MPH | 45 MPH | 50 MPH | 55 MPH | 60 MPH |
| 10' | 52' | 75' | 102' | 133' | 450' | 500' | 550' | 600' |
| 11' | 57' | 83' | 112' | 147' | 495' | 550' | 605' | 660' |
| 12' | 62' | 90' | 123' | 160' | 540' | 600' | 660' | 720' |
| 13' | 68' | 98' | 133' | 173' | 585' | 650' | 715' | 780' |

NOTES:

- 1. WHEN PAVED SHOULDERS ARE CLOSED IN CONJUNCTION WITH A RIGHT LANE CLOSURE OR SHIFT ADD SHOULDER WIDTH TO LANE WIDTH TO CALCULATE TAPER LENGTH.
- 2. FOR PAVED SHOULDERS UNDER 6' USE 40 TAPER LENGTH.
- 3. L = TAPER LENGTH, W = WIDTH OF OFFSET, S = POSTED SPEED LIMIT OR 85TH PERCENTILE SPEED * = 40'

TABLE 2: ADVANCE WARNING SIGNS [‡]

| ROAD TYPE | DISTANCE BETWEEN SIGNS ** | | | | |
|------------------------------|---------------------------|----------|----------|--|--|
| ROAD III L | Α | В | С | | |
| URBAN (LOW SPEED*) ≤ 40 MPH | 100 FT | 100 FT | 100 FT | | |
| URBAN (HIGH SPEED*) ≥ 45 MPH | 350 FT | 350 FT | 350 FT | | |
| RURAL | 500 FT | 500 FT | 500 FT | | |
| EXPRESSWAY/FREEWAY | 1,000 FT | 1,500 FT | 2,640 FT | | |

[‡]FROM OMUTCD, CURRENT EDITION, PART 6 TABLE 6C-1

* SPEED CATEGORY DETERMINED BY THE CITY OF COLUMBUS TO BE LOW SPEED (POSTED SPEED LIMIT LESS THAN OR EQUAL TO 40MPH) OR HIGH SPEED (POSTED SPEED LIMIT GREATER THAN OR EQUAL TO 45MPH)

**THE COLUMN HEADINGS 'A', 'B', 'C', 'D', 'E', AND 'F' ARE THE DIMENSIONS SHOWN IN STANDARD DRAWINGS AND ARE DEFINED AS:

- 'A' = THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN (CLOSEST TO THE TTC ZONE).
- 'B' = THE 'B' DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGN.
- 'C' = DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGN (FURTHEST UPSTREAM FROM THE TTC ZONE).
- 'D' = SHOULDER TAPER LENGTH.
- 'E' = MERGE TAPER LENGTH.
- 'F' = SHIFT TAPER LENGTH.

NOTES AND TABLES

MAINTENANCE OF TRAFFIC GENERAL NOTES

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

STD DWG

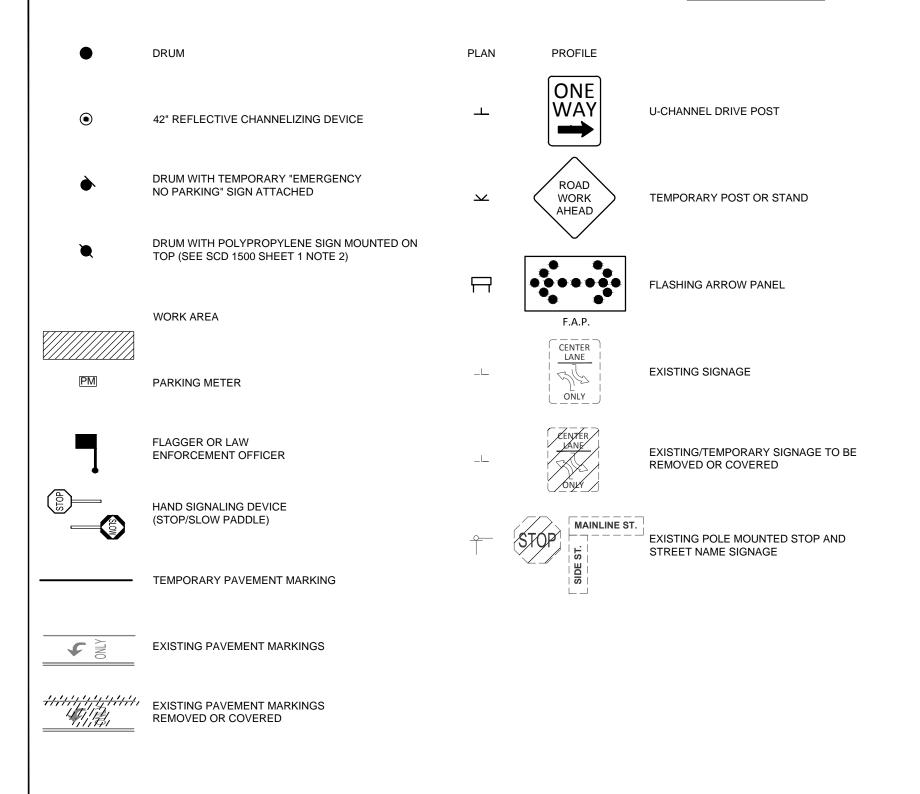
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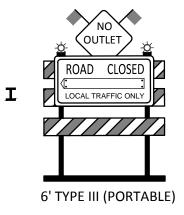
CITY ENGINEER

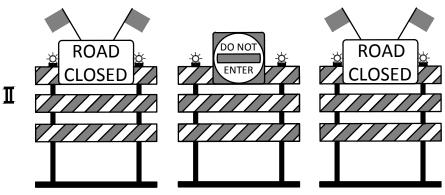
[†] TABLE DERIVED FROM OMUTCD, CURRENT EDITION, PART 6, TABLES 6C-3 AND 6C-4

SYMBOL LEGEND



PLAN PROFILE





10' TYPE III BARRICADES (SOLID ACROSS STREET)

ABBREVIATIONS

B/O,

BLK/ORANGE BLACK TEXT ON ORANGE BACKGROUND

FAP FLASHING ARROW PANEL

LEO LAW ENFORCEMENT OFFICER

SCD STANDARD CONSTRUCTION DRAWING

TTC TEMPORARY TRAFFIC CONTROL

SYMBOL LEGEND

MAINTENANCE OF TRAFFIC GENERAL NOTES

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

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