

- 2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
- 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
- 4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

| BUFFER DATA   |            |             |                    |                  |
|---|------------|-------------|--------------------|------------------|
| LONGI   | TUDINAL BU | JFFER SPACE | E = B              |                  |
| SPEED (MPH)   | 25         | 30          | 35                 | 40               |
| LENGTH (feet)   | 155        | 200         | 250                | 305              |
| BUFFER VEI  | HICLE ROLL | AHEAD DIST  | ANCE = R           |                  |
| TRANSPORTABLE ATTENU  | IATOR      |             |                    |                  |
|   |            |             | 30 FEET<br>100 FE  | MIN TO<br>ET MAX |
| PROTECTIVE VEHICLE  MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA |            |             | NO SPE<br>DISTANCE |                  |

| CHANNELIZATION DEVICE<br>SPACING (feet) |               |    |  |
|---|---------------|----|--|
| MPH                                     | TAPER TANGENT |    |  |
| 35/45                                   | 10 to 20      | 60 |  |
| 25/30                                   | 10 to 20      | 40 |  |

CHANNELIZING DEVICES

PROTECTIVE VEHICLE

| SIGN SPACING = X (1)     |            |           |  |
|--------------------------|------------|-----------|--|
| RURAL ROADS & URBAN      | 35/ 40 MPH | 350'+     |  |
| ARTERIALS                |            | _         |  |
| RURAL ROADS, URBAN       | 25/ 30 MPH | 200'+ (2) |  |
| ARTERIALS, RESIDENTIAL & |            |           |  |
| BUSINESS DISTRICTS       |            |           |  |
| URBAN STREETS            | 25 MPH OR  | 100'+ (2) |  |
|                          | LESS       |           |  |

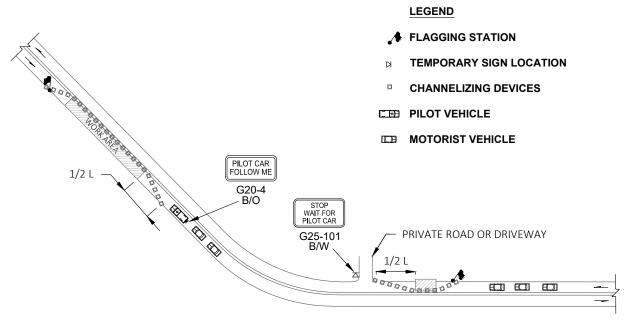
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



| PUBLICATION DATE:                  | REVISION DATE: <b>02/11/2020</b> |
|------------------------------------|----------------------------------|
| STANDARD DETAIL NUMBER: <b>901</b> | SCALE: <b>NOT TO SCALE</b>       |

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS



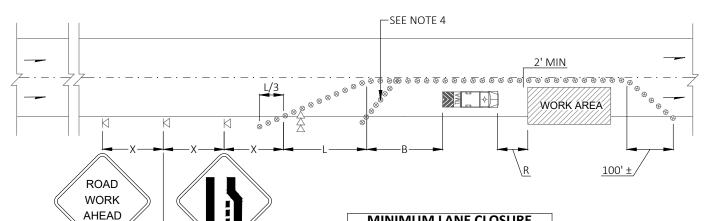
- 1. REFER TO SHEET TC1 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN.
- 2. CHANNELIZING DEVICES ARE RECOMMENDED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT ALL FLAGGING STATIONS.
- 3. SIGN G25-101 IS RECOMMENDED FOR NON-STOP SIGN CONTROLLED APPROACHES SUCH AS PRIVATE ROADS AND DRIVEWAYS. THIS SIGN IS NOT REQUIRED TO BE ALUMINUM SUBSTRATE AND CAN BE MADE OF ALTERNATIVE MATERIALS.

| CHANNELIZATION DEVICE SPACING (feet) |          |         |  |
|--------------------------------------|----------|---------|--|
| MPH                                  | TAPER    | TANGENT |  |
| 35/45                                | 10 to 20 | 60      |  |
| 25/30                                | 10 to 20 | 40      |  |

| MINIMUM TAPER LENGTH = L (feet) |     |           |           |     |
|---------------------------------|-----|-----------|-----------|-----|
| LANE WIDTH<br>(feet)            |     | POSTED SP | EED (mph) |     |
| (rect)                          | 25  | 30        | 35        | 40  |
| 10                              | 105 | 150       | 205       | 270 |
| 11                              | 115 | 165       | 225       | 295 |
| 12                              | 125 | 180       | 245       | 320 |



| PUBLICATION DATE:                  | REVISION DATE: <b>02/11/2020</b> |
|------------------------------------|----------------------------------|
| STANDARD DETAIL NUMBER: <b>902</b> | SCALE: <b>NOT TO SCALE</b>       |



W4-2(L) W20-1 RIGHT LANE **CLOSED** AHEAD, W20-5R

**MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)** LANE POSTED SPEED (mph) WIDTH (feet) 25 30 35 40 270 10 105 150 205 115 295 11 165 225 12 125 180 245 320

#### **MINIMUM SHOULDER TAPER** LENGTH = L/3 (feet) SHOULDER POSTED SPEED (mph) WIDTH (feet) 40 90 8 40 60 10 40 90 90 60

| CHANNELIZATION DEVICE SPACING (feet) |               |                    |  |
|--------------------------------------|---------------|--------------------|--|
| MPH                                  | TAPER         | TANGENT            |  |
| 35/ 45                               | 30            | 60                 |  |
| 25/30                                | 20            | 40                 |  |
|                                      | MPH<br>35/ 45 | MPH TAPER 35/45 30 |  |

### LEGEND

- TEMPORARY SIGN LOCATION  $\bowtie$
- 8 TRAFFIC SAFETY DRUM

SEQUENTIAL ARROW SIGN



TRANSPORTABLE ATTENUATOR

#### NOTES:

- 1. NO FLAGGERS OR SPOTTERS.
- 2. EXTEND DEVICE TAPER AT L\3 ACROSS SHOULDER.
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- 4. USE TRAVERSE DEVICES IN CLOSED LANE EVERY 1000' (RECOMMENDED).
- 5. DEVICES SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
- 6. ALL SIGNS ARE BLACK ON ORANGE.
- 7. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

| SIGN SPACING = X (1)             |         |           |  |
|----------------------------------|---------|-----------|--|
| RURAL ROADS & URBAN ARTERIALS    | 35/40   | 350'±     |  |
|                                  | MPH     | 330 I     |  |
| RURAL ROADS, URBAN ARTERIALS,    | 25/30   | 200'± (2) |  |
| RESIDENTIAL & BUSINESS DISTRICTS | MPH     | 200 ± (2) |  |
| URBAN STREETS                    | 25 MPH  | 100'± (2) |  |
|                                  | OR LESS | 100 ± (2) |  |

- (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
- (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

| BUFFER DATA                            |  |  |  |    |  |
|--|--|--|--|----|--|
| LONGITUDINAL BUFFER SPACE = B          |  |  |  |    |  |
| SPEED (MPH) 25 30 35 40                |  |  |  | 40 |  |
| LENGTH (feet) 155 200 250 305          |  |  |  |    |  |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R |  |  |  |    |  |

TRANSPORTABLE ATTENUATOR

MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION

30 FEET MIN TO 100 FEET MAX

Public Works

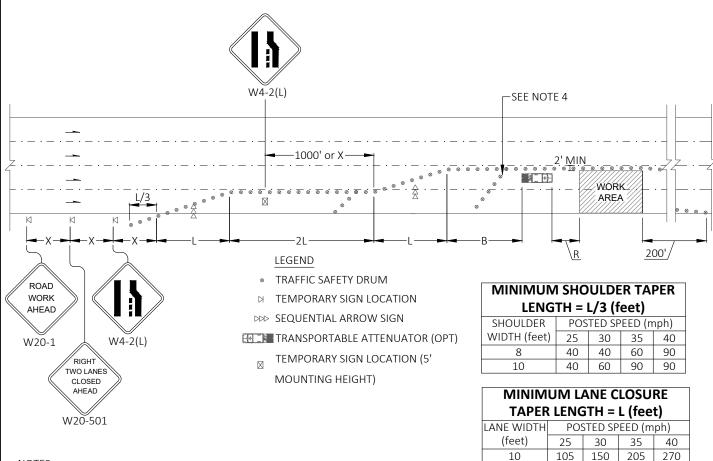
**PUBLICATION DATE:** REVISION DATE: **02/11/2020** SCALE: NOT TO SCALE STANDARD DETAIL NUMBER: 903

SINGLE-LANE CLOSURE FOR MULTI LANE ROADWAYS

| 35/ 40 MPH     | 350'±     |
|----------------|-----------|
| 25/ 30 MPH     | 200'± (2) |
| 25 MPH OR LESS | 100'± (2) |
|                | · ·       |

| CHANNELIZATION DEVICE |                |    |  |  |
|-----------------------|----------------|----|--|--|
| 5                     | SPACING (feet) |    |  |  |
| MPH TAPER TANGENT     |                |    |  |  |
| 35/45                 | 30             | 60 |  |  |
| 25/30                 | 20             | 40 |  |  |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



#### NOTES:

- 1. NO FLAGGERS OR SPOTTERS.
- 2. EXTEND DEVICE TAPER AT L\3 ACROSS SHOULDER.
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- 4. USE TRAVERSE DEVICES IN CLOSED LANE EVERY 1000' (RECOMMENDED).
- 5. DEVICES SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
- 6. ALL SIGNS ARE BLACK ON ORANGE.
- 7. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

| BUFFER DATA   |                |           |        |     |
|---|----------------|-----------|--------|-----|
| LONGITUDINAL BUFFER SPACE = B   |                |           |        |     |
| SPEED (MPH)         25         30         35         40                       |                |           |        |     |
| LENGTH (feet)   | 155            | 200       | 250    | 305 |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R  |                |           |        |     |
| TRANSPORTABLE ATTENUATOR  |                |           |        |     |
| 30 FEET MIN TO  |                |           | MIN TO |     |
| MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL 100 FEET MAX |                |           |        |     |
| BE IN ACCORDANCE WITH THE MANUFAC   | CTURERS RECOMM | IENDATION |        |     |



PUBLICATION DATE: REVISION DATE: 02/11/2020 STANDARD DETAIL NUMBER: 904 SCALE: NOT TO SCALE

11

12

115

125

165

180

295

320

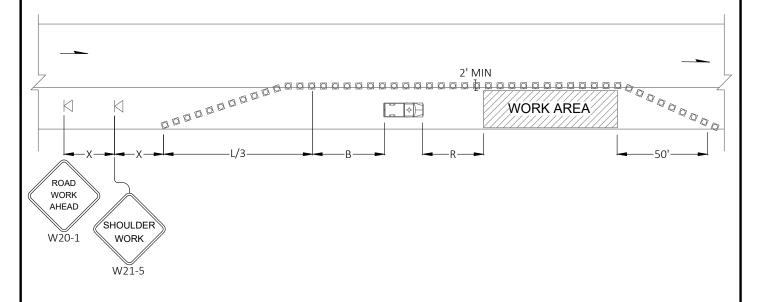
225

245

DOUBLE -LANE CLOSURE FOR MULI -LANE ROADWAY

| SIGN SPACING = X (1)   |                |           |  |  |
|--|----------------|-----------|--|--|
| RURAL ROADS & URBAN ARTERIALS                                  | 35/ 40 MPH     | 350'+     |  |  |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25/ 30 MPH     | 200'+ (2) |  |  |
| URBAN STREETS  | 25 MPH OR LESS | 100'+ (2) |  |  |

- (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
- (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



#### LEGEND

TEMPORARY SIGN LOCATION

CHANNELIZING DEVICES



PROTECTIVE VEHICLE

| CHANNELIZATION DEVICE SPACING (feet) |       |         |  |
|--------------------------------------|-------|---------|--|
| MPH                                  | TAPER | TANGENT |  |
| 35/ 45                               | 30    | 60      |  |
| 25/ 30                               | 20    | 40      |  |

## NOTES:

- 1. NO FLAGGERS OR SPOTTERS.
- 2. DEVICES SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'.
- 3. ALL SIGNS ARE BLACK ON ORANGE.

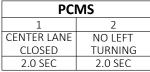
| MINIMUM SHOULDER TAPER |      |       |       |      |
|------------------------|------|-------|-------|------|
| LENGTH = L/3 (feet)    |      |       |       |      |
| SHOULDER               | POST | ED SP | EED ( | mph) |
| WIDTH (feet)           | 25   | 30    | 35    | 40   |
| 8                      | 40   | 40    | 60    | 90   |
| 10                     | 40   | 60    | 90    | 90   |

| BUFFER DATA   |                               |     |     |     |
|---|-------------------------------|-----|-----|-----|
| LONGITUDINAL BU   | LONGITUDINAL BUFFER SPACE = B |     |     |     |
| SPEED (MPH)   | 25                            | 30  | 35  | 40  |
| LENGTH (feet)   | 155                           | 200 | 250 | 305 |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R  |                               |     |     |     |
| PROTECTIVE VEHICLE  MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA  NO SPECIFIED DISTANCE REQUIRED |                               |     |     |     |

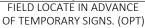


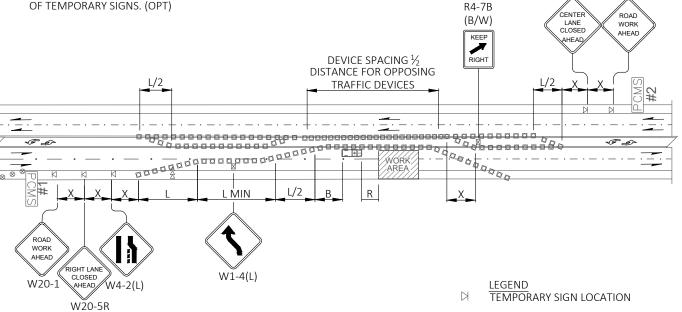
| PUBLICATION DATE:                  | REVISION DATE: <b>02/11/2020</b> |
|------------------------------------|----------------------------------|
| STANDARD DETAIL NUMBER: <b>905</b> | SCALE: NOT TO SCALE              |

**SHOULDER CLOSURE - LOW SPEED** (40 MPH OR LESS)



| CHANNELIZATION |         |           |  |  |
|----------------|---------|-----------|--|--|
| DEVICE         | E SPACI | NG (feet) |  |  |
| MPH            | TAPER   | TANGENT   |  |  |
| 35/45          | 30      | 60        |  |  |
| 25/30          | 20      | 40        |  |  |





- 1. NO FLAGGER'S OR SPOTTERS.
- 2. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- 3. FOR POSTED SPEED LIMITS OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- 4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.
- 5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

- CHANNELIZING DEVICES
- ▷▷▷ SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN

W20-5C

W20-1

▼ TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

| SIGN SPACING = X (1)   |                |           |  |  |  |
|--|----------------|-----------|--|--|--|
| RURAL ROADS & URBAN ARTERIALS  | 35/ 40 MPH     | 350'+     |  |  |  |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS 25/30 MPH 200'+ (2) |                |           |  |  |  |
| URBAN STREETS  | 25 MPH OR LESS | 100'+ (2) |  |  |  |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.        |                |           |  |  |  |
| (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.          |                |           |  |  |  |

| MINIMUM TAPER<br>LENGTH = L (feet) |     |        |        |      |
|------------------------------------|-----|--------|--------|------|
| LANE<br>WIDTH                      | POS | STED S | PEED ( | mph) |
| (feet)                             | 25  | 30     | 35     | 40   |
| 10                                 | 105 | 150    | 205    | 270  |
| 11                                 | 115 | 165    | 225    | 295  |
| 12                                 | 125 | 180    | 245    | 320  |

| BUFFER DATA  |               |     |          |     |
|--|---------------|-----|----------|-----|
| LONGITUDINAL BU  | JFFER SPACE = | В   |          |     |
| SPEED (MPH)  | 25            | 30  | 35       | 40  |
| LENGTH (feet)  | 155           | 200 | 250      | 305 |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R   |               |     |          |     |
| PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO NO SPECIFIED   |               |     | CIFIED   |     |
| SHIELD THE WORK AREA DISTANCE REQUIRED   |               |     | REQUIRED |     |
| TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.  30 FEET MIN - 100 FEET MAX |               |     |          |     |



PUBLICATION DATE: REVISION DATE: 02/11/2020 STANDARD DETAIL NUMBER: 906 SCALE: NOT TO SCALE

RIGHT LANE CLOSURE WITH SHIFT - 5 LANE ROADWAY

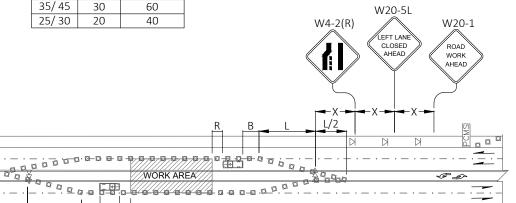
| PCMS                     |         |  |  |
|--------------------------|---------|--|--|
| 1                        | 2       |  |  |
| CENTER LANE              | NO LEFT |  |  |
| CLOSED                   | TURNING |  |  |
| 2.0 SEC                  | 2.0 SEC |  |  |
| FIELD LOCATE IN ADVIANCE |         |  |  |

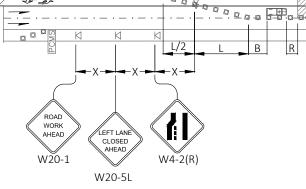
FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS. (OPT)

# **CHANNELIZATION DEVICE SPACING (feet)**

|       |       | . ,     |
|-------|-------|---------|
| MPH   | TAPER | TANGENT |
| 35/45 | 30    | 60      |
| 25/30 | 20    | 40      |

В





LEGEND

**TEMPORARY SIGN LOCATION** 

**CHANNELIZING DEVICES** 

PROTECTIVE VEHICLE

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

# NOTES:

- 1. NO FLAGGER'S OR SPOTTERS.
- 2. ALL SIGNS ARE BLACK ON ORANGE.
- 3. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

| SIGN SPACING = X (1)   |                |           |  |  |
|--|----------------|-----------|--|--|
| RURAL ROADS & URBAN ARTERIALS  | 35/ 40 MPH     | 350'+     |  |  |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS             | 25/ 30 MPH     | 200'+ (2) |  |  |
| URBAN STREETS  | 25 MPH OR LESS | 100'+ (2) |  |  |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS |                |           |  |  |

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

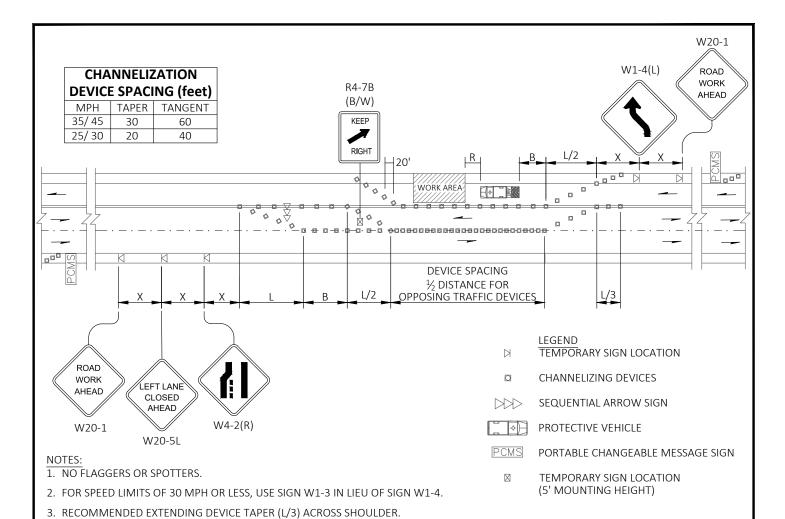
| MINIMUM TAPER<br>LENGTH = L (feet) |     |        |         |      |
|------------------------------------|-----|--------|---------|------|
| LANE<br>WIDTH                      | PO: | STED S | SPEED ( | mph) |
| (feet)                             | 25  | 30     | 35      | 40   |
| 10                                 | 105 | 150    | 205     | 270  |
| 11                                 | 115 | 165    | 225     | 295  |
| 12                                 | 125 | 180    | 245     | 320  |

| BUFFER DATA   |               |           |           |          |
|---|---------------|-----------|-----------|----------|
| LONGITUD  | INAL BUFFER S | SPACE = B |           |          |
| SPEED (MPH)   | 25            | 30        | 35        | 40       |
| LENGTH (feet)   | 155           | 200       | 250       | 305      |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R                                |               |           |           |          |
| PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY NO SPECIFIED |               |           |           |          |
| LOCATED TO SHIELD THE WORK AREA DISTANCE REQUIRE                      |               |           |           | REQUIRED |
| TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE                      |               |           | 30 FEET N | AINI 100 |
| WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN                     |               |           | FEETI     |          |
| ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.                     |               |           |           | VIAA     |



REVISION DATE: **02/11/2020** PUBLICATION DATE: SCALE: **NOT TO SCALE** STANDARD DETAIL NUMBER: 907

**LEFT LANE AND CENTER TURN LANE CLOSURE - 5 LANE ROADWAY** 



| SIGN SPACING = X (1)  |                |           |  |  |
|---|----------------|-----------|--|--|
| RURAL ROADS & URBAN ARTERIALS   | 35/ 40 MPH     | 350'+     |  |  |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS              | 25/ 30 MPH     | 200'+ (2) |  |  |
| URBAN STREETS   | 25 MPH OR LESS | 100'+ (2) |  |  |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. |                |           |  |  |
| (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY               | CONDITIONS.    |           |  |  |

4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

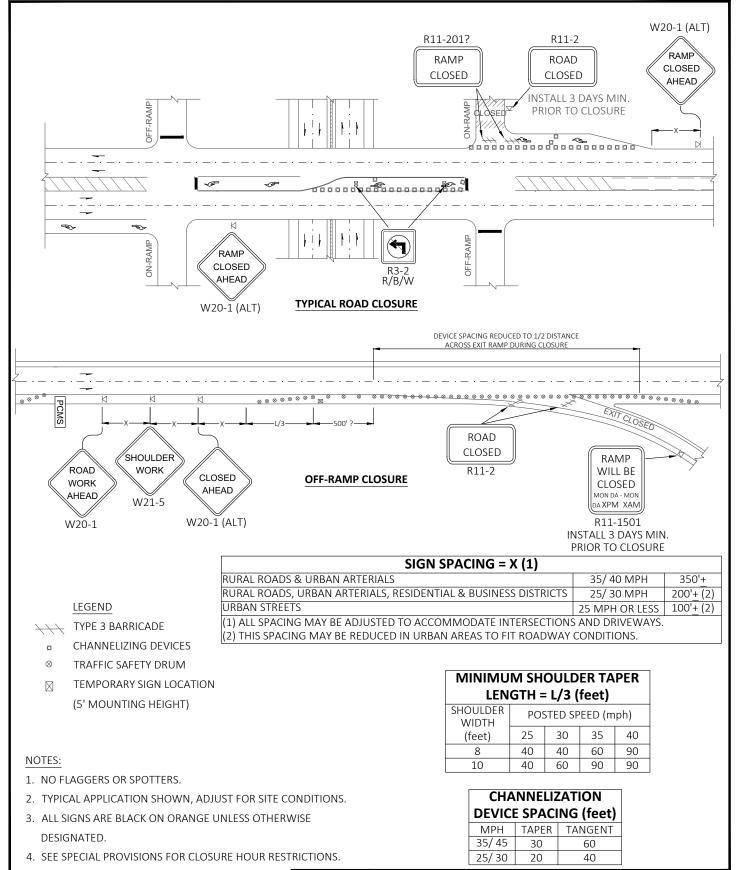
| MINIMUM TAPER<br>LENGTH = L (feet) |     |        |        |      |
|------------------------------------|-----|--------|--------|------|
| LANE<br>WIDTH                      | PO: | STED S | PEED ( | mph) |
| (feet)                             | 25  | 30     | 35     | 40   |
| 10                                 | 105 | 150    | 205    | 270  |
| 11                                 | 115 | 165    | 225    | 295  |
| 12                                 | 125 | 180    | 245    | 320  |

| BUFFER DATA   |                    |             |       |          |
|---|--------------------|-------------|-------|----------|
| LONGITUE  | INAL BUFFER S      | SPACE = B   |       |          |
| SPEED (MPH)   | 25                 | 30          | 35    | 40       |
| LENGTH (feet)   | 155                | 200         | 250   | 305      |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R                                |                    |             |       |          |
| PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY NO SPECIFIED |                    |             |       |          |
| LOCATED TO SHIELD THE WORK AREA DISTANCE REQUIRED                     |                    |             |       | REQUIRED |
| TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE 30 FEET MIN - 100    |                    |             |       |          |
| WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN                     |                    |             | FEET  |          |
| ACCORDANCE WITH THE MANUFACT  | <b>URERS RECOM</b> | IMENDATION. | FLLII | VIAA     |



PUBLICATION DATE: REVISION DATE: **02/11/2020**STANDARD DETAIL NUMBER: **908** SCALE: **NOT TO SCALE** 

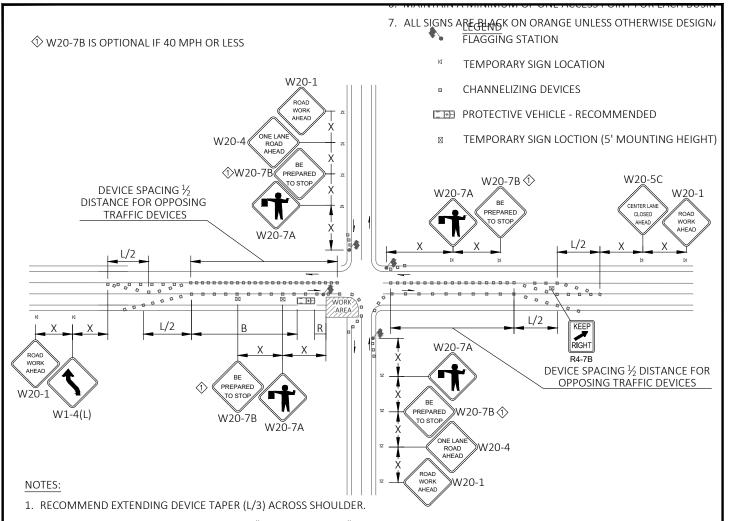
LANE SHIFT - THREE LANE ROADWAY





PUBLICATION DATE: REVISION DATE: 02/11/2020
STANDARD DETAIL NUMBER: 909 SCALE: NOT TO SCALE

SHORT TERM RAMP CLOSURES



- 2. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- 3. LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC. REQUIRED AT SIGNAL.
- 4. AT SIGNALIZED INTERSECTIONS A MINIMUM OF 2 LAW ENFORCEMENT OFFICERS ARE REQUIRED TO CONTROL THE INTERSECTION, OR AS APPROVED BY THE CITY TRAFFIC ENGINEER.
- 5. FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- 6. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- 7. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED. MIN LANE WIDTH = 11'.

| BUFFER DATA  |                |       |          |              |  |
|--|----------------|-------|----------|--------------|--|
| LONGITUDINAL BU  | FFER SPACE = B |       |          |              |  |
| SPEED (MPH)  | 25             | 30    | 35       | 40           |  |
| LENGTH (feet)  | 155            | 200   | 250      | 305          |  |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R   |                |       |          |              |  |
| PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA  NO SPECIFIED REQUI   |                |       |          |              |  |
| TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION. |                |       |          | 100 FEET MAX |  |
| SIGN SPACING = X (1)   |                |       | CHANISIE | 7.4.7.10.11  |  |
| RURAL ROADS & URBAN ARTERIALS  | 35/ 40 MPH     | 350'± | CHANNELI |              |  |

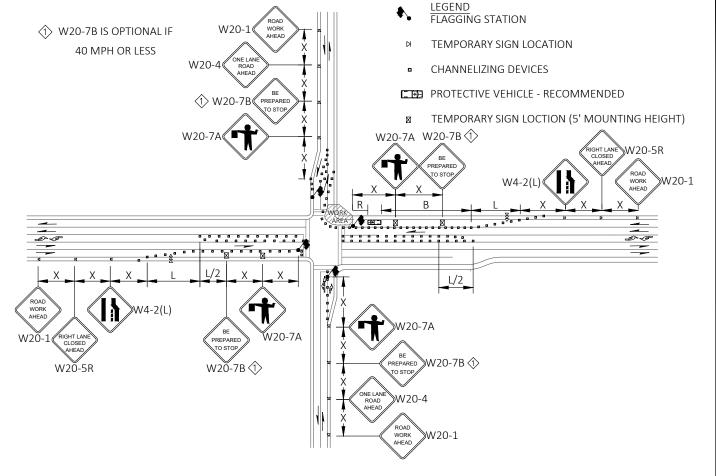
| SIGN SPACING = X (1)  |                |           |  |  |
|---|----------------|-----------|--|--|
| RURAL ROADS & URBAN ARTERIALS   | 35/ 40 MPH     | 350'±     |  |  |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS              | 25/ 30 MPH     | 200'± (2) |  |  |
| URBAN STREETS   | 25 MPH OR LESS | 100'± (2) |  |  |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. |                |           |  |  |
| (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.   |                |           |  |  |

| DEVICE SPACING (feet) |       |         |  |  |  |
|-----------------------|-------|---------|--|--|--|
| MPH                   | TAPER | TANGENT |  |  |  |
| 35/45                 | 30    | 60      |  |  |  |
| 25/30                 | 20    | 40      |  |  |  |



PUBLICATION DATE: REVISION DATE: 09/06/2023
STANDARD DETAIL NUMBER: 910 SCALE: NOT TO SCALE

INTERSECTION LANE CLOSURE - 3 LANE ROADWAY



- 1. RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- 2. IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- 3. LAW ENFORCEMENT OFFICER MAY BE USED IN LIEU OF FLAGGERS TO CONTROL INTERSECTION TRAFFIC. REQUIRED AT SIGNAL.
- 4. AT SIGNALIZED INTERSECTIONS A MINIMUM OF 2 LAW ENFORCEMENT OFFICERS ARE REQUIRED TO CONTROL THE INTERSECTION.
- 5. FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- 6. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- 7. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED. MIN LANE WIDTH = 11'.

| BUFFER DATA   |                |     |              |               |
|---|----------------|-----|--------------|---------------|
| LONGITUDINAL BU   | FFER SPACE = B |     |              |               |
| SPEED (MPH)   | 25             | 30  | 35           | 40            |
| LENGTH (feet)   | 155            | 200 | 250          | 305           |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R  |                |     |              |               |
| PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA  NO SPECIFIED DISTANCE   |                |     |              | D DISTANCE    |
| REQUIRED  |                |     |              |               |
| TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT 30 FEET MIN - 100 FEET MAX |                |     |              |               |
| SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS   | RECOMMENDATION | ON. | 301221111111 | 1001221101101 |

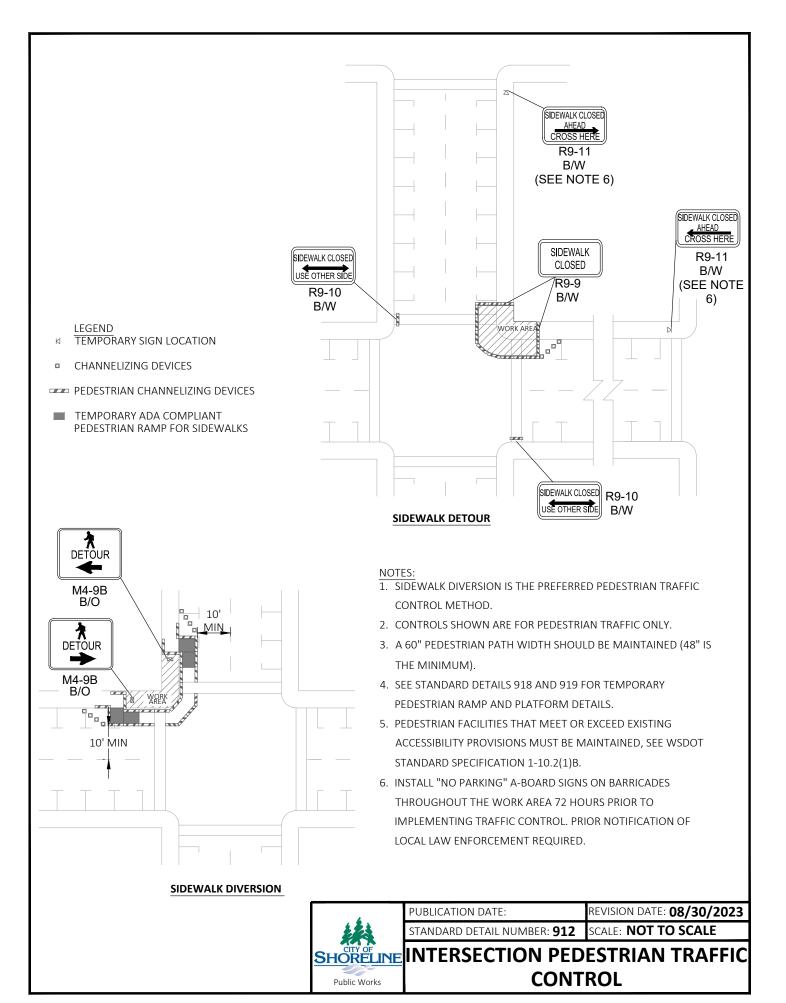
| SIGN SPACING = X (1)  |                |           |  |  |
|---|----------------|-----------|--|--|
| RURAL ROADS & URBAN ARTERIALS   | 35/ 40 MPH     | 350'±     |  |  |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS              | 25/ 30 MPH     | 200'± (2) |  |  |
| URBAN STREETS   | 25 MPH OR LESS | 100'± (2) |  |  |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. |                |           |  |  |
| (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.   |                |           |  |  |

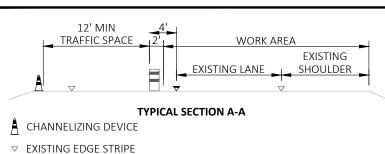
| CHANNELIZATION |                       |       |         |  |  |  |
|----------------|-----------------------|-------|---------|--|--|--|
| DEV            | DEVICE SPACING (feet) |       |         |  |  |  |
| MP             | Н                     | TAPER | TANGENT |  |  |  |
| 35/            | 45                    | 30    | 60      |  |  |  |
| 25/3           | 30                    | 20    | 40      |  |  |  |



PUBLICATION DATE: REVISION DATE: 02/11/2020
STANDARD DETAIL NUMBER: 911 SCALE: NOT TO SCALE

INTERSECTION LANE CLOSURE - 5 LANE ROADWAY





- EXISTING LANE STRIPE

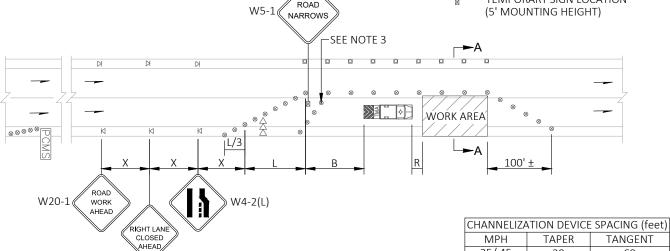


- **TEMPORARY SIGN LOCATION** N
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN

#### TRANSPORTABLE ATTENUATOR

PORTABLE CHANGEABLE MESSAGE SIGN PCMS

TEMPORARY SIGN LOCATION



1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.

W20-5R

- 2. A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
- 3. CONTACT AND COORDINATE IMPACTED TRANSIT AGENCIES PRIOR TO IMPLEMENTING ANY CLOSURES.
- 4. SEE SHEET TC-52 FOR TEMPORARY PEDESTRIAN RAMP DETAILS.
- 5. ADA PEDESTRIAN FACILITIES MUST BE MAINTAINED, SEE STANDARD SPECIFICATION 1-10.2(1)B.
- 6. TEMPORARY PEDESTRIAN PUSH BUTTONS SHALL BE PLACED ON THE DIVERTED PATH WHEN EXISTING BUTTONS ARE NOT ACCESSIBLE TO PEDESTRIANS.

| MINIMUM LANE CLOSURE<br>TAPER LENGTH = L (feet) |     |         |         |     |
|---|-----|---------|---------|-----|
| LANE<br>WIDTH                                   | PO  | STED SP | PEED (m | ph) |
| (feet)  | 25  | 30      | 35      | 40  |
| 10  | 105 | 150     | 205     | 270 |
| 11  | 115 | 165     | 225     | 295 |
| 12  | 125 | 180     | 245     | 320 |

30

20

60

40

| MINIMUM SHOULDER TAPE<br>LENGTH = L/3 (feet) |     |         |        | PER  |
|--|-----|---------|--------|------|
| SHOULDER<br>WIDTH                            | POS | STED SP | EED (m | ıph) |
| (feet)                                       | 25  | 30      | 35     | 40   |
| 8  | 40  | 40      | 60     | 90   |
| 10   | 40  | 60      | 90     | 90   |

|                               | BUFFER DATA   |     |                    |         |     |
|-------------------------------|---|-----|--------------------|---------|-----|
| LONGITUDINAL BUFFER SPACE = B |   |     | = B                |         |     |
|                               | SPEED (MPH)   | 25  | 30                 | 35      | 40  |
|                               | LENGTH (feet)   | 155 | 200                | 250     | 305 |
|                               | BUFFER VEHICLE ROLL AHEAD DISTA   |     |                    | NCE = R |     |
|                               | TRANSPORTABLE ATTENUATOR  |     |                    |         |     |
|                               | MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION |     | 30 FEET<br>100 FEE |         |     |

| SIGN SPACING = X (1)                           |         |              |
|--|---------|--------------|
| RURAL ROADS & URBAN ARTERIALS                  | 35/40   | 350'±        |
|  | MPH     | 330 <u>±</u> |
| RURAL ROADS, URBAN ARTERIALS,                  | 25/30   | 200'± (2)    |
| RESIDENTIAL & BUSINESS DISTRICTS               | MPH     | 200 ± (2)    |
| URBAN STREETS                                  | 25 MPH  | 100'± (2)    |
|  | OR LESS | 100 1 (2)    |
| (1) ALL SDACING MAY BE ADJUSTED TO ACCOMMODATE |         |              |

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

35/45

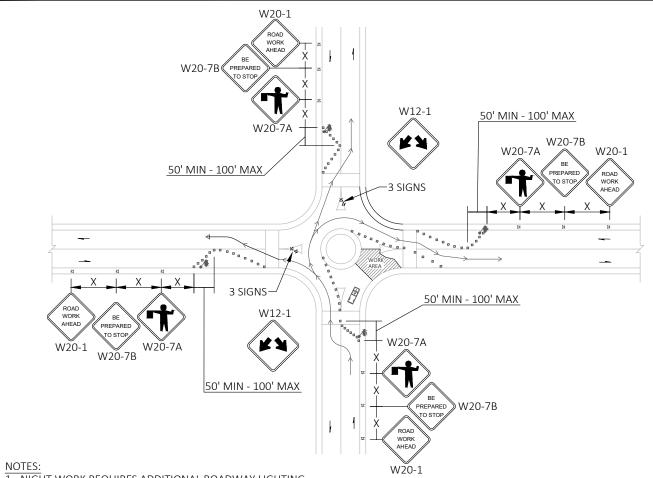
25/30

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



| PUBLICATION DATE:                  | REVISION DATE: <b>02/11/2020</b> |
|------------------------------------|----------------------------------|
| STANDARD DETAIL NUMBER: <b>913</b> | SCALE: NOT TO SCALE              |

SINGLE LANE CLOSURE WITH SHIFT



- 1. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS, SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
- 2. PROTECTIVE VEHICLE RECOMMENDED MAY BE A WORK VEHICLE.
- 3. TYPICAL APPLICATION SHOWN, ADJUST FOR SITE CONDITIONS.

#### LEGEND

- FLAGGING STATION
- ▼ TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE RECOMMENDED

| CHANNELIZATION DEVICE SPACING ( |       |         |  |
|---------------------------------|-------|---------|--|
| MPH                             | TAPER | TANGENT |  |
| 35/45                           | 30    | 60      |  |
| 25/30                           | 20    | 40      |  |

| SIGN SPACING = X (1)             |         |              |  |
|----------------------------------|---------|--------------|--|
| RURAL ROADS & URBAN ARTERIALS    | 35/ 40  | 350'±        |  |
|                                  | MPH     | 330 <u>±</u> |  |
| RURAL ROADS, URBAN ARTERIALS,    | 25/ 30  | 200'± (2)    |  |
| RESIDENTIAL & BUSINESS DISTRICTS | MPH     | 200 ± (2)    |  |
| URBAN STREETS                    | 25 MPH  | 100'± (2)    |  |
|                                  | OR LESS | 100 1 (2)    |  |

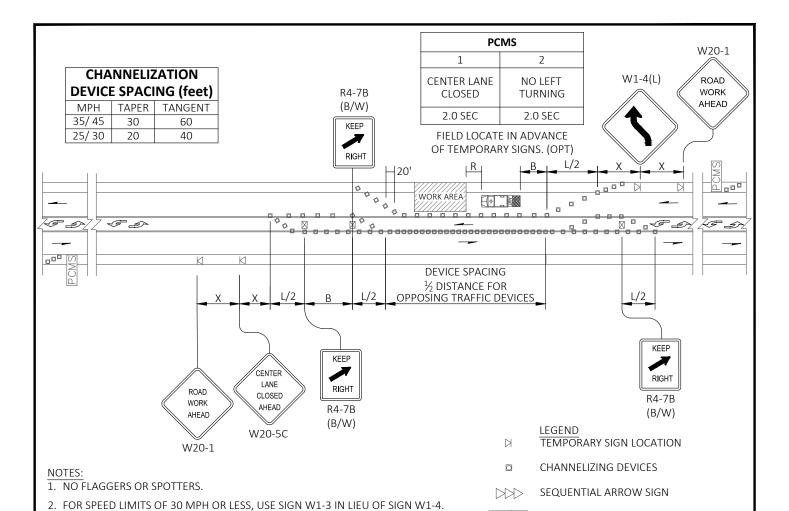
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

|              | 4        | I |
|--------------|----------|---|
| CITY OF      | 223      |   |
| SHÖRELINE    | SHORELIN | E |
| Public Works | -        |   |

|   | PUBLICATION DATE:                  | REVISION DATE: <b>02/11/2020</b> |
|---|------------------------------------|----------------------------------|
| ı | STANDARD DETAIL NUMBER: <b>914</b> | SCALE: <b>NOT TO SCALE</b>       |

TYPICAL ROUNDABOUT FLAGGING OPERATION



| SIGN SPACING = X (1)   |                |           |
|--|----------------|-----------|
| RURAL ROADS & URBAN ARTERIALS                                  | 35/ 40 MPH     | 350'+     |
| RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS | 25/ 30 MPH     | 200'+ (2) |
| URBAN STREETS  | 25 MPH OR LESS | 100'+ (2) |

| MONAL NOADS, ONDAN ANTENIALS, NESIDENTIAL & DOSINESS DISTRICTS | 23/ 30 1011 11   | 200 |
|--|------------------|-----|
| URBAN STREETS  | 25 MPH OR LESS   | 100 |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS   | S AND DRIVEWAYS. | -   |
| (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY  | CONDITIONS       |     |

3. RECOMMENDED EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.

4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

5. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

| MINIMUM TAPER<br>LENGTH = L (feet) |     |        |        |      |
|------------------------------------|-----|--------|--------|------|
| LANE<br>WIDTH                      | PO: | STED S | PEED ( | mph) |
| (feet)                             | 25  | 30     | 35     | 40   |
| 10                                 | 105 | 150    | 205    | 270  |
| 11                                 | 115 | 165    | 225    | 295  |
| 12                                 | 125 | 180    | 245    | 320  |

PORTABLE CHANGEABLE MESSAGE SIGN

| BUFFER DATA   |               |           |          |     |  |
|---|---------------|-----------|----------|-----|--|
| LONGITUE  | INAL BUFFER S | SPACE = B |          |     |  |
| SPEED (MPH)   | 25            | 30        | 35       | 40  |  |
| LENGTH (feet) 155 200   |               |           | 250      | 305 |  |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R                                |               |           |          |     |  |
| PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY NO SPECIFIED |               |           |          |     |  |
| LOCATED TO SHIELD THE WORK AREA DISTANCE REQUIR                       |               |           | REQUIRED |     |  |
| TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE 30 FEET MIN - 100    |               |           |          |     |  |
| WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN FEET MAX            |               |           | I        |     |  |
| ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.                     |               |           |          |     |  |



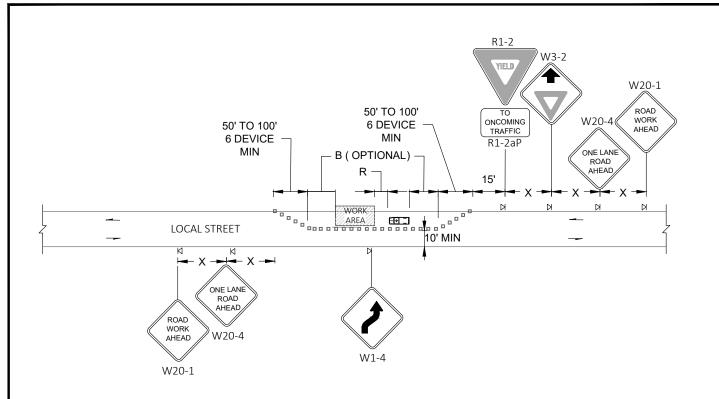
**PUBLICATION DATE:** REVISION DATE: **08/24/2023** SCALE: **NOT TO SCALE** STANDARD DETAIL NUMBER: 915

PROTECTIVE VEHICLE

TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

PCMS

**LANE SHIFT - THREE LANE ROADWAY WITH TWLTL** 



- 1. ALL SIGNS ARE BLACK ON ORANGE
- 2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
- 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
- 4. SPACING FOR LOCAL ROADS ONLY.

#### LEGEND

- И TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE

| BUFFER DATA   |             |                    |     |     |
|---|-------------|--------------------|-----|-----|
| LONG  | ITUDINAL BU | JFFER SPACE        | = B |     |
| SPEED (MPH) 25 30 35 40   |             |                    |     | 40  |
| LENGTH (feet)   | 155         | 200                | 250 | 305 |
| BUFFER VEHICLE ROLL AHEAD DISTANCE = R                              |             |                    |     |     |
| PROTECTIVE VEHICLE  |             |                    |     |     |
| MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA |             | NO SPE<br>DISTANCE |     |     |

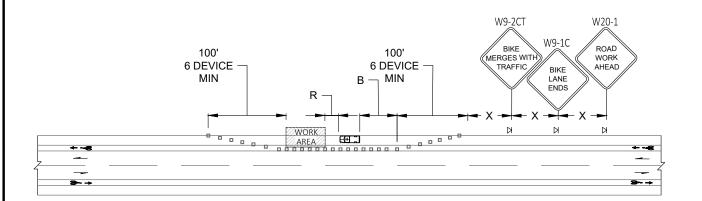
| CHANNELIZATION DEVICE<br>SPACING (feet) |          |         |  |  |
|---|----------|---------|--|--|
| MPH                                     | TAPER    | TANGENT |  |  |
| 35/45                                   | 10 to 20 | 60      |  |  |
| 25/30                                   | 10 to 20 | 40      |  |  |

| SIGN SPACING = X                               |           |           |  |  |
|--|-----------|-----------|--|--|
| LOCAL STREETS                                  | 25 MPH OR | 100'+ (2) |  |  |
|  | LESS      |           |  |  |
| (1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE |           |           |  |  |
| INTERSECTIONS AND DRIVEWAYS.                   |           |           |  |  |
| (2) APPROPRIATE SIGHT DISTANCE IS REQUIRED.    |           |           |  |  |



| PUBLICATION DATE:                  | REVISION DATE: <b>08/24/2023</b> |
|------------------------------------|----------------------------------|
| STANDARD DETAIL NUMBER: <b>916</b> | SCALE: <b>NOT TO SCALE</b>       |

ONE-LANE TWO-WAY TRAFFIC CONTROL - YIELD CONDITION



- 1. ALL SIGNS ARE BLACK ON ORANGE
- $2. \ \ \mathsf{EXTENDING} \ \mathsf{THE} \ \mathsf{CHANNELIZING} \ \mathsf{DEVICE} \ \mathsf{TAPER} \ \mathsf{ACROSS} \ \mathsf{SHOULDER} \ \mathsf{IS} \ \mathsf{RECOMMENDED}.$
- 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.

#### LEGEND

- M TEMPORARY SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE
- ➤→ BICYCLE LANE SYMBOL

| BUFFER DATA   |             |             |                    |     |
|---|-------------|-------------|--------------------|-----|
| LONG  | ITUDINAL BU | JFFER SPACE | E = B              |     |
| SPEED (MPH)   | 25          | 30          | 35                 | 40  |
| LENGTH (feet)   | 155         | 200         | 250                | 305 |
| BUFFER VE   | HICLE ROLL  | AHEAD DIST  | ANCE = R           |     |
| TRANSPORTABLE ATTENU  | JATOR       |             |                    |     |
| MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION |             |             | NO SPE<br>DISTANCE |     |
| PROTECTIVE VEHICLE  MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA                                 |             |             | NO SPE<br>DISTANCE |     |

| CHANNELIZATION DEVICE<br>SPACING (feet) |          |         |  |  |
|---|----------|---------|--|--|
| MPH                                     | TAPER    | TANGENT |  |  |
| 35/45                                   | 10 to 20 | 60      |  |  |
| 25/30                                   | 10 to 20 | 40      |  |  |

| SIGN SPACING = X         |             |            |  |  |
|--------------------------|-------------|------------|--|--|
| RURAL ROADS & URBAN      | 35 / 40 MPH | 350' +     |  |  |
| ARTERIALS                |             | _          |  |  |
| RURAL ROADS, URBAN       | 25 / 30 MPH | 200' + (2) |  |  |
| ARTERIALS, RESIDENTIAL & |             |            |  |  |
| BUSINESS DISTRICTS       |             |            |  |  |
| URBAN STREETS            | 25 MPH OR   | 100' + (2) |  |  |
|                          | LESS        | _          |  |  |
|                          |             |            |  |  |

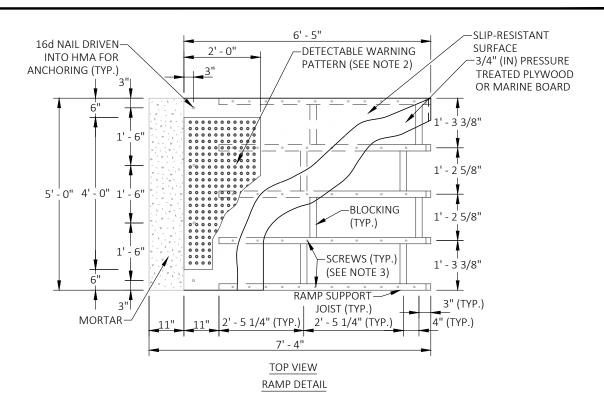
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

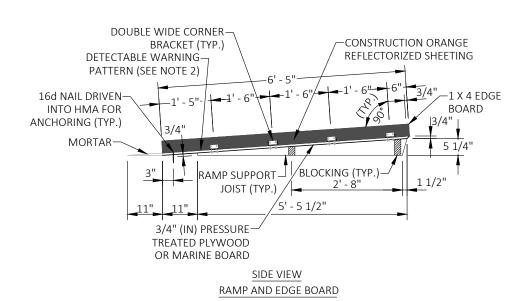
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



| PUBLICATION DATE:                  | REVISION DATE: <b>08/24/2023</b> |
|------------------------------------|----------------------------------|
| STANDARD DETAIL NUMBER: <b>917</b> | SCALE: NOT TO SCALE              |

**BIKE LANE TRAFFIC CONTROL** 





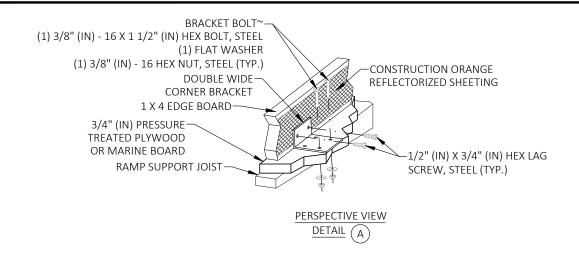


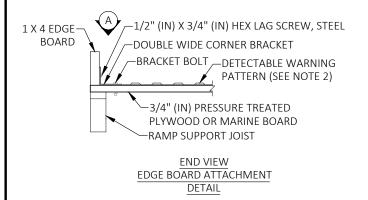
PUBLICATION DATE: REVISION DATE: 08/24/2023

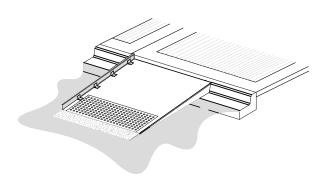
STANDARD DETAIL NUMBER: 918

SCALE: **NOT TO SCALE** 

TEMPORARY PEDESTRIAN RAMP 1 OF 2



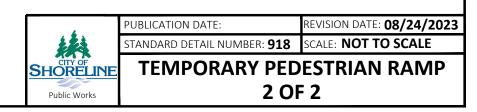


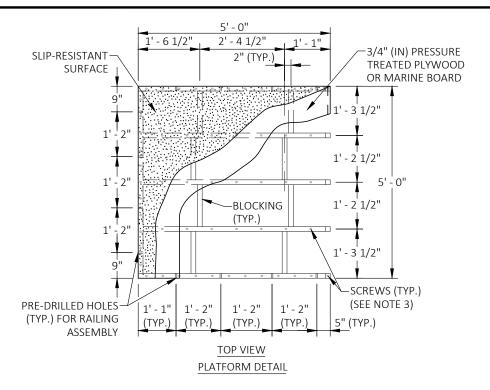


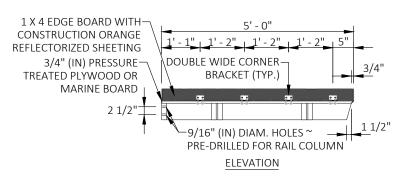
ISOMETRIC VIEW

#### NOTES:

- 1. THIS DESIGN ASSUMES OPTIMAL CONDITIONS AND A STANDARD CURB HEIGHT OF 6" (IN). INSTALLED RAMPS SHALL BE NO STEEPER THEN 12H: 1V, AND SHALL HAVE A CROSS-SLOPE OF 2% OR LESS. USE SHIMS OR GROUT AS REQUIRED TO ADJUST FOR EXISTING CONDITIONS AND TO PREVENT ROCKING. SHIMS SHALL BE NO HIGHER THAN 1" (IN), AND SHALL BE SECURED TO THE RAMP. FOR CURBS SHORTER THAN 6" (IN), INSTALL A RAMP ON THE SIDEWALK, NO STEEPER THAN 12H: 1V, MADE OF GROUT OR AS APPROVED BY THE ENGINEER. ADJUSTMENTS TO THE RAMP DIMENSIONS SHOWN MAY BE REQUIRED TO MATCH EXISTING CONDITIONS.
- 2. THE DETECTABLE WARNING PATTERN SHALL BE INSTALLED ONLY WHEN THE INTENT IS TO GUIDE PEDESTRIANS DIRECTLY ACROSS THE ROADWAY (CROSSWALK). SEE WSDOT STANDARD PLAN F-45.10 FOR DETAILS.
- 3. SCREWS SHALL BE USED TO SECURE THE RAMP SURFACE, SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE.
- 4. USE A SLIP-RESISTANT TREATMENT FOR SURFACE OF RAMP.
- 5. ALL FASTENERS SHALL BE GALVANIZED.
- 6. DO NOT INSTALL A HAND RAILING IF USING THE EDGE BOARD OPTION.





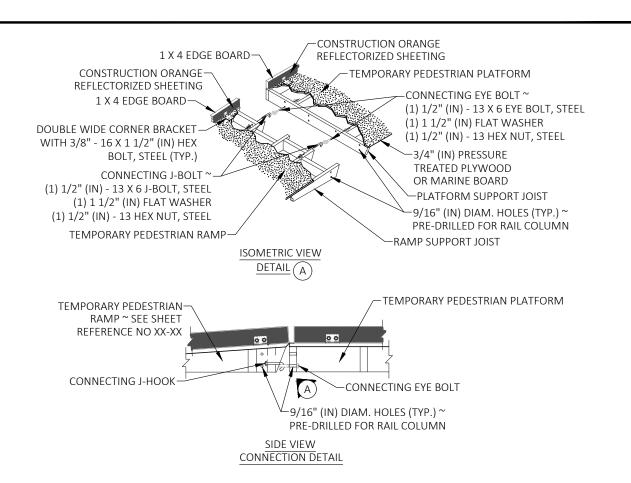


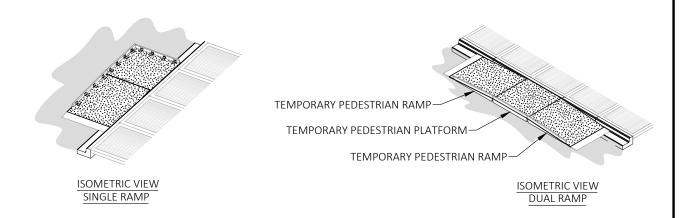
- 1. ALL HOLES SHOWN SHALL BE DRILLED TO FACILITATE RE-USE AND FLEXIBLE EXPANSION.
- 2. THIS DESIGN ASSUMES OPTIMAL CONDITIONS AND A STANDARD CURB HEIGHT OF 6" (IN). INSTALLED RAMPS SHALL BE NO STEEPER THEN 12H: 1V, AND SHALL HAVE A CROSS-SLOPE OF 2% OR LESS. USE SHIMS OR GROUT AS REQUIRED TO ADJUST FOR EXISTING CONDITIONS AND TO PREVENT ROCKING. SHIMS SHALL BE NO HIGHER THAN 1" (IN), AND SHALL BE SECURED TO THE RAMP AND/OR PLATFORM. FOR CURBS SHORTER THAN 6" (IN), INSTALL A RAMP ON THE SIDEWALK, NO STEEPER THAN 12H: 1V, MADE OF GROUT OR AS APPROVED BY THE ENGINEER. ADJUSTMENTS TO THE PLATFORM DIMENSIONS SHOWN MAY BE REQUIRED TO MATCH EXISTING CONDITIONS.
- 3. SCREWS SHALL BE USED TO SECURE THE RAMP SURFACE, SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT BUILDING CODE.
- 4. USE A SLIP-RESISTANT TREATMENT FOR SURFACE OF RAMP.
- 5. ALL FASTENERS SHALL BE GALVANIZED.



REVISION DATE: **08/24/2023** 

SCALE: **NOT TO SCALE** 







**PUBLICATION DATE:** 

REVISION DATE: **08/24/2023** 

SCALE: **NOT TO SCALE** STANDARD DETAIL NUMBER: 919

**TEMPORARY PEDESTRIAN PLATFORM 2 OF 2**