

- 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				
LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEI	HICLE ROLL	AHEAD DIST	ANCE = R	
TRANSPORTABLE ATTENU	JATOR			
MINIMUM HOST VEHICLE THE MAXIMUM WEIGHT: ACCORDANCE WITH THE RECOMMENDATION	SHALL BE IN	,	30 FEET 100 FEE	MIN TO ET MAX
MAY BE A WORK VEHICLE LOCATED TO SHIELD THE			NO SPE DISTANCE	

CHANNELIZATION DEVICE 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			

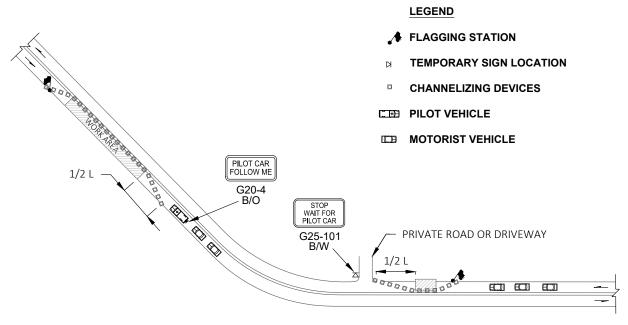
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

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



PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020**STANDARD DETAIL NUMBER: **901** SCALE: **NOT TO SCALE**

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS



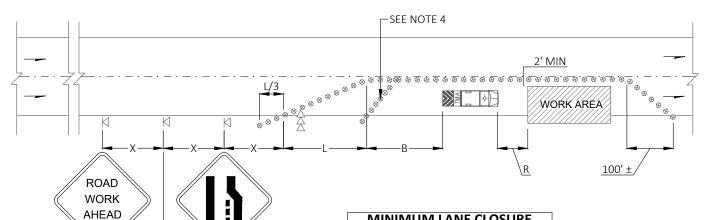
- 1. REFER TO SHEET TC1 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN.
- 2. CHANNELIZING DEVICES ARE RECOMMENDED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT ALL FLAGGING STATIONS.
- 3. SIGN G25-101 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 (feet)				
(leet)	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320



PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: **902** SCALE: **NOT TO SCALE**



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

W20-5R

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

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

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

LEGEND

- TEMPORARY SIGN LOCATION \bowtie
- \otimes 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 T		
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					
LONGIT	LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH) 25 30 35 40					
LENGTH (feet)	155	200	250	305	
BUFFER VEHICLE ROLL AHEAD DISTANCE = R					
TRANSPORTABLE ATTENU	ATOR .				

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



PUBLICATION DATE: 3/1/2022 REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: 903 | SCALE: NOT TO SCALE

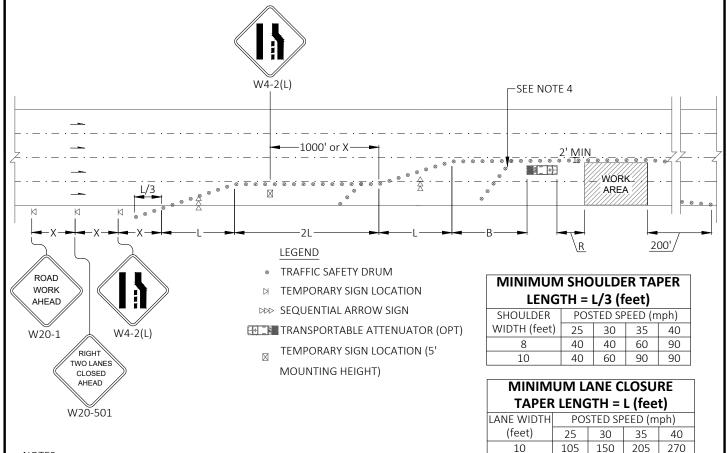
SINGLE-LANE CLOSURE FOR MULTI LANE ROADWAYS

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)
(4) ALL OR A CINIC A ANY RE ARRIVETER TO A COCA AN AGRATE INTERREPORTION OF		

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

CHANNELIZATION DEVICE

- (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				
LON	GITUDINAL BUFFE	R SPACE = B		
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER V	EHICLE ROLL AHEA	AD DISTANCE = R		
TRANSPORTABLE ATTENUATOR				
			30 FEET	MIN TO
MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION		100 FEE	T MAX	



PUBLICATION DATE: 3/1/2022 REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: 904 | SCALE: NOT TO SCALE

11

12

115

125

165

180

295

320

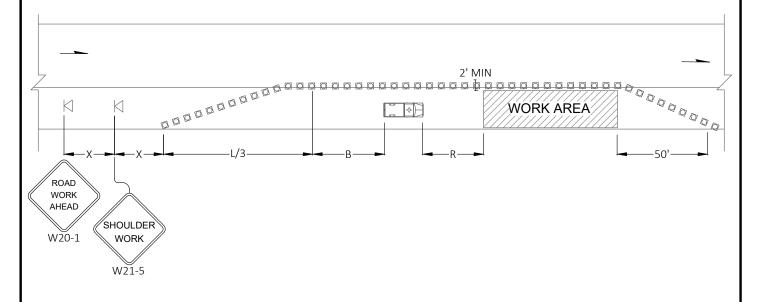
225

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

CHANNELIZING DEVICES



CHANNELIZATION DEVICE SPACING (feet)				
MPH	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.

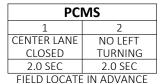
MINIMUM SHOULDER TAPER					
LENGTH = L/3 (feet)					
SHOULDER POSTED SPEED (mph)					
WIDTH (feet)	WIDTH (feet) 25 30 35 40				
8	40	40	60	90	
10	40	60	90	90	

BUFFER DATA						
LONGITUDINAL BU	JFFER SPACE =	В				
SPEED (MPH)	SPEED (MPH) 25 30 35 40					
LENGTH (feet)	200	250	305			
BUFFER VEHICLE ROLL	AHEAD DISTAN	ICE = R				
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA			NO SPE			

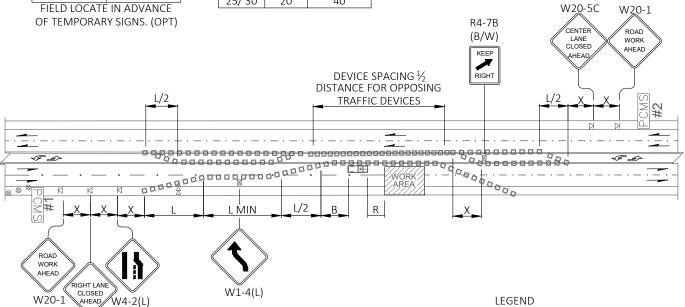


PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: **905** SCALE: **NOT TO SCALE**

SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)



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



1. NO FLAGGER'S OR SPOTTERS.

W20-5R

- 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.

- LEGEND **TEMPORARY SIGN LOCATION**
- CHANNELIZING DEVICES
- SEQUENTIAL ARROW SIGN
- PROTECTIVE VEHICLE
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
 - 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'+				
URBAN STREETS	25 MPH OR 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.			

MINIMUM TAPER LENGTH = L (feet)					
LANE POSTED SPEED (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	BUFFER VEHICLE ROLL AHEAD DISTANCE = R			
PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO			NO SPE	CIFIED
SHIELD THE WORK AREA			DISTANCE F	REQUIRED
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 15,000 LBS.			30 FEET N	1IN - 100
THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS			FEET	
RECOMMENDATION.			FLLII	VIAA



PUBLICATION DATE: 3/1/2022 REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: 906 | SCALE: NOT TO SCALE

RIGHT LANE CLOSURE WITH SHIFT 5 LANE ROADWAY

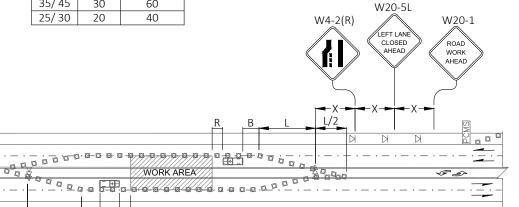
PCMS				
1 2				
CENTER LANE	NO LEFT			
CLOSED	TURNING			
2.0 SEC 2.0 SEC				
FIELD LOCATE IN ADVANCE				

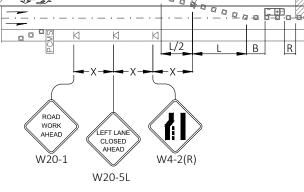
FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS. (OPT)

CHANNELIZATION DEVICE SPACING (feet)

DEVIC	ב או אכו	ivo (icci)
MPH	TAPER	TANGENT
35/45	30	60
25/30	20	40

В





LEGEND

TEMPORARY SIGN LOCATION

CHANNELIZING DEVICES

SEQUENTIAL ARROW SIGN

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

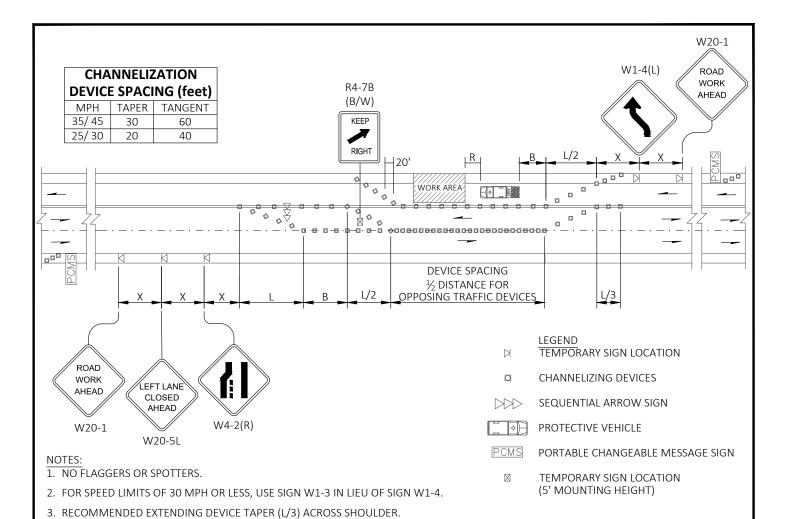
LENGTH = L (feet)					
LANE POSTED SPEED (mph)					
(feet)	25	30	35	40	
10	105	150	205	270	
11	115	165	225	295	
12	125	180	245	320	

BUFFER DATA						
LONGITUD	INAL BUFFER S	SPACE = B				
SPEED (MPH)	25	30	35	40		
LENGTH (feet)	155	200	250	305		
BUFFER VEHICL	E ROLL AHEAD	DISTANCE = R				
PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY NO SPECIF						
LOCATED TO SHIELD TH	DISTANCE F	REQUIRED				
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE				1IN - 100		
WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN		FEET				
ACCORDANCE WITH THE MANUFACT	DANCE WITH THE MANUFACTURERS RECOMMENDATION.		FEET	VIAA		



PUBLICATION DATE: 3/1/2022 REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: 907 | SCALE: NOT TO SCALE

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.

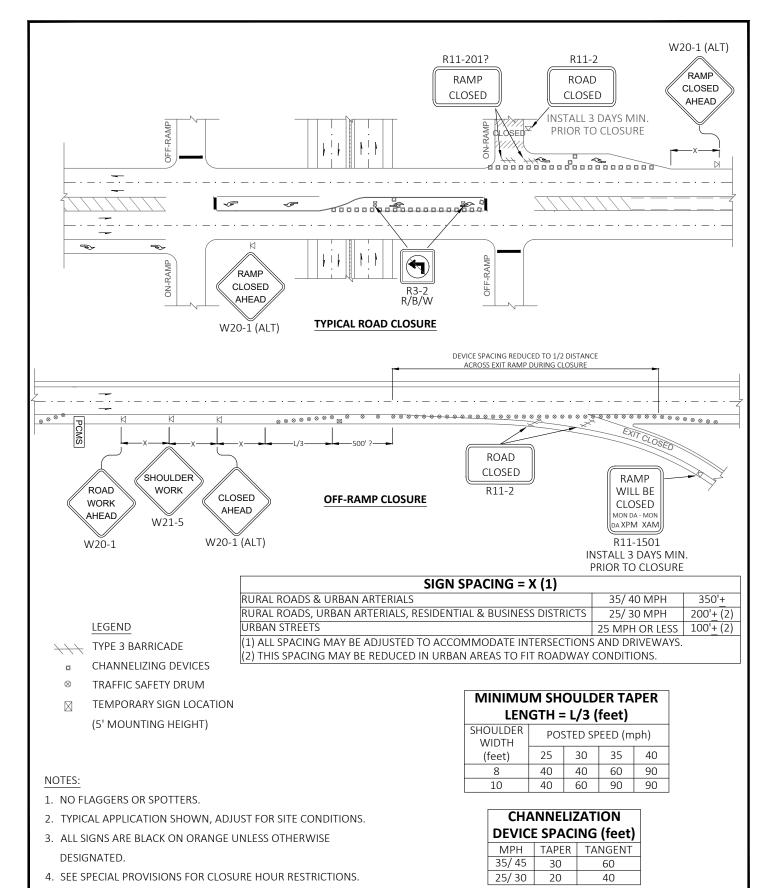
MINIMUM TAPER LENGTH = L (feet)					
LANE WIDTH	PO:	STED S	SPEED (mph)	
(feet)	25	30	35	40	
10	105	150	205	270	
11	115	165	225	295	
12	125	180	245	320	

BUFFER DATA						
LONGITUE	INAL BUFFER S	SPACE = B				
SPEED (MPH)	25	30	35	40		
LENGTH (feet)	155	200	250	305		
BUFFER VEHICL	E ROLL AHEAD	DISTANCE = R				
PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY NO SPECIFIED						
LOCATED TO SHIELD THE WORK AREA DISTANCE REQUIR						
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE 30 FEET MI				11NI 100		
WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN FEET MACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION						
		VIAA				



PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: **908** SCALE: **NOT TO SCALE**

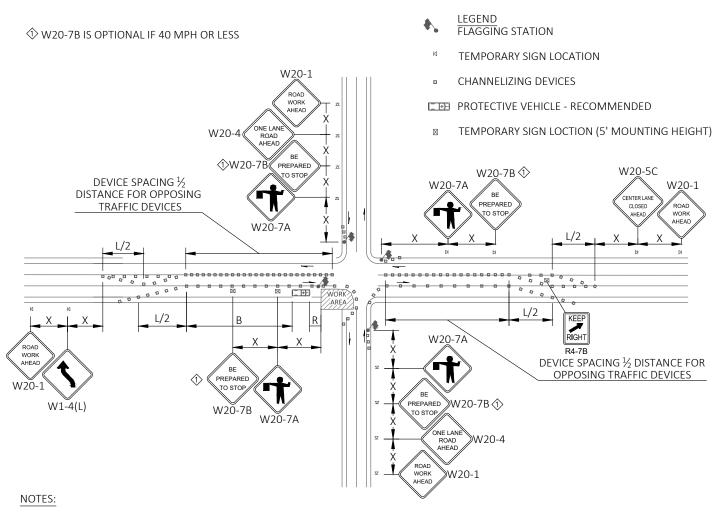
LANE SHIFT - THREE LANE ROADWAY





PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: **909** SCALE: **NOT TO SCALE**

SHORT TERM RAMP CLOSURES



- 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 A	HEAD DISTANCE =	R			
PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA			NO SPECIFIEI REQU		
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 1 SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS	,		30 FEET MIN - 1	100 FEET MAX	
SIGN SPACING = X (1)			CHANNELIZ	ΆΤΙΟΝ	

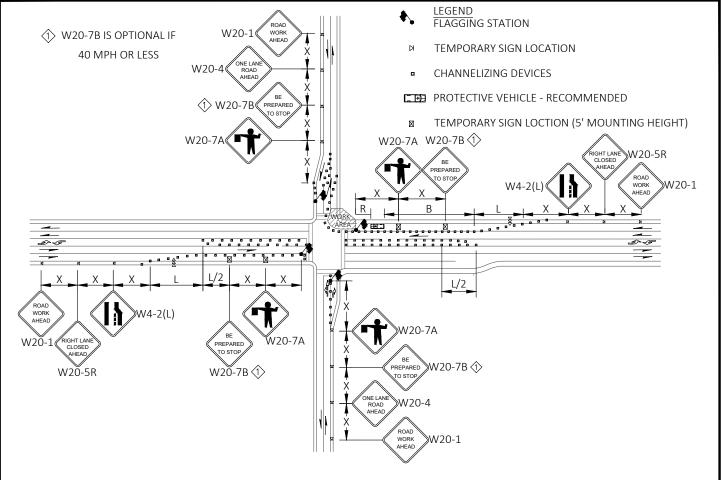
SIGN SPACING = X (1)				
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±		
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'± (2)		
URBAN STREETS	25 MPH OR LESS	100'± (2)		
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.				
(2) THIS SPACING MAY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

CHAININLLIZATION							
DEVICE SPACING (feet)							
TAPER	TANGENT						
30	60						
20	40						
	TAPER 30						



PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020** 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 BUI	FFER SPACE = B				
SPEED (MPH)	25	30	35	40	
LENGTH (feet)	155	200	250	305	
BUFFER VEHICLE ROLL A	HEAD DISTANCE =	R			
PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA REQUIRED					
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.				LOO FEET MAX	

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



PUBLICATION DATE: **3/1/2022** REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: **911** SCALE: **NOT TO SCALE**

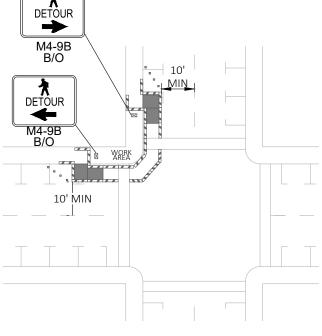
INTERSECTION LANE CLOSURE - 5 LANE ROADWAY

NO PARKING R8-3 R/W DETOUR

INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA 24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL. PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.

LEGEND

- **TEMPORARY SIGN LOCATION**
- CHANNELIZING DEVICES
- PEDESTRIAN CHANNELIZING DEVICES
- TEMPORARY PEDESTRIAN RAMP FOR **SIDEWALKS**



SIDEWALK DIVERSION

NOTES:

SIDEWALK DETOUR

SIDEWALK CLOSED

USE OTHER SIDE

R9-10

B/W

- 1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.
- 2. A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).

(SIDEWALK CLOSED

R9-11 B/W

SIDEWALK

CLOSED

7R9-9

B/W

SIDEWALK CLOSED R9-10

B/W

USE OTHER SIDE

WORK AREA

(SIDEWALK CLOSED) CROSS HERE

R9-11

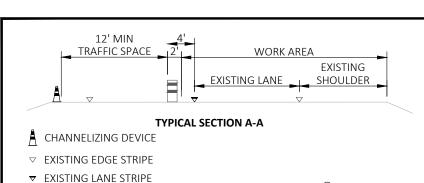
B/W

- 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.



PUBLICATION DATE: 3/1/2022 REVISION DATE: **2/11/2020** STANDARD DETAIL NUMBER: 912 | SCALE: NOT TO SCALE

INTERSECTION PEDESTRIAN TRAFFIC **CONTROL**



LEGEND ▼ TEMPORARY SIGN LOCATION

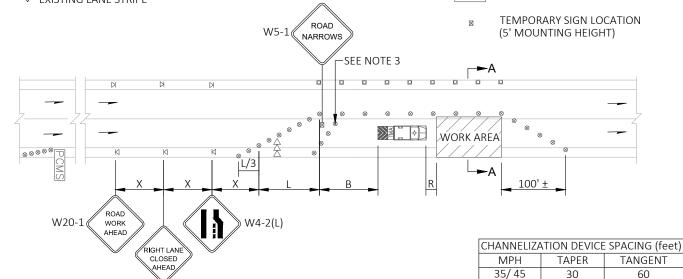
CHANNELIZING DEVICES

⊗ TRAFFIC SAFETY DRUM

>>> SEQUENTIAL ARROW SIGN

TRANSPORTABLE ATTENUATOR

PCMS PORTABLE CHANGEABLE MESSAGE SIGN



NOTES:

1. CONTROLS SHOWN ARE FOR PEDESTRIAN TRAFFIC ONLY.

W20-5R

- 2. A 60" PEDESTRIAN PATH WIDTH SHOULD BE MAINTAINED (48" IS THE MINIMUM).
- 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 TAPER LENGTH = L (feet)					
LANE WIDTH (feet)	PO:	STED SP	EED (m	ph)	
(leet)	25	30	35	40	
10	105	150	205	270	
11	115	165	225	295	
12	125	180	245	320	

20

40

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)					
SHOULDER 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					
SPEED (MPH)	25	30	35	40	
LENGTH (feet)	155	200	250	305	
BUFFER VEHICLE ROLL AHEAD DISTANCE = R					
TRANSPORTABLE ATTENU	JATOR				
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			

SIGN SPACING = X (1)				
RURAL ROADS & URBAN ARTERIALS	35/40	350'±		
	MPH	330 <u>T</u>		
RURAL ROADS, URBAN ARTERIALS,	RBAN ARTERIALS, 25/30 200'± (2)			
RESIDENTIAL & BUSINESS DISTRICTS	MPH	200 ± (2)		
URBAN STREETS	25 MPH	100'± (2)		
	OR LESS			

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

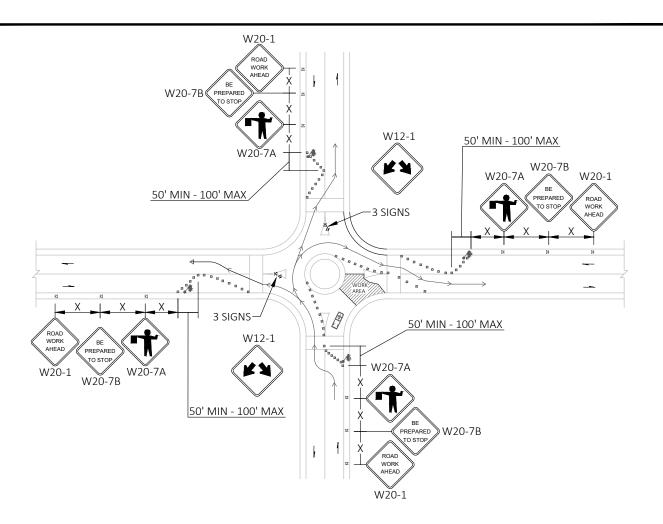
25/30

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



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SINGLE LANE CLOSURE WITH SHIFT



CONDITIONS.

- 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

,					
CHANNELIZA	IANNELIZATION DEVICE SPACING (feet)				
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 ± (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**



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LEGEND

FLAGGING STATION

▼ TEMPORARY SIGN LOCATION

PROTECTIVE VEHICLE - RECOMMENDED

CHANNELIZING DEVICES

TYPICAL ROUNDABOUT FLAGGING **OPERATION**