

- 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	LONGITUDINAL BUFFER SPACE = B				
SPEED (MPH)	35	40			
LENGTH (feet)	155	200	250	305	
BUFFER VEI	HICLE ROLL	AHEAD DIST	ANCE = R		
TRANSPORTABLE ATTENU	IATOR				
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					
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE LOCATED TO SHIELD THE				ECIFIED REQUIRED	

СНА	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			

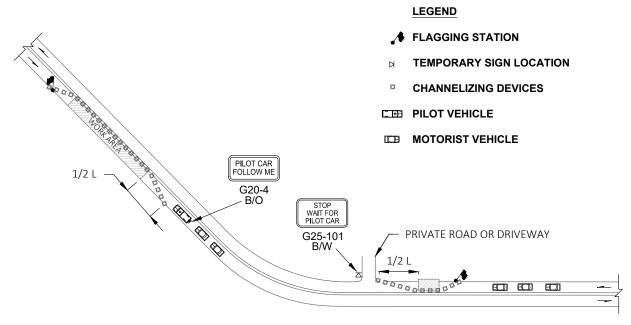
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

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



PUBLICATION DATE:	REVISION DATE:
STANDARD DETAIL NUMBER: 901	SCALE: NOT TO SCALE

ONE-LANE, TWO-WAY TRAFFIC CONTROL WITH FLAGGERS



NOTES:

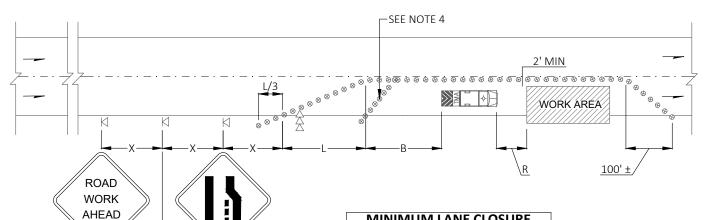
- 1. REFER TO SHEET TC1 FOR ADDITIONAL SIGNING AND FLAGGING DETAILS NOT SHOWN.
- 2. CHANNELIZING DEVICES ARE RECOMMENDED ALONG CENTERLINE TO SEPARATE TRAFFIC FROM WORK OPERATION. DEVICES ARE REQUIRED AT TAPERS TO SHIFT TRAFFIC MOVEMENT BETWEEN LANES AND TO PROTECT ALL FLAGGING STATIONS.
- 3. SIGN G25-101 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)	POSTED SPEED (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:
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 (feet)	TH POSTED SPEED (mph)				
(reet)	25	30	35	40	
10	105	150	205	270	

165

180

225

245

295

320

115

125

11

12

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

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

LEGEND

- TEMPORARY SIGN LOCATION \bowtie
- 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					
LONGITUDINAL BUFFER SPACE = B					
SPEED (MPH) 25 30 35 40					
LENGTH (feet)	155	200	250	305	
BUFFER VEHICLE ROLL AHEAD DISTANCE = R					
TDANICDODTADIE ATTENII	IATOP				

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

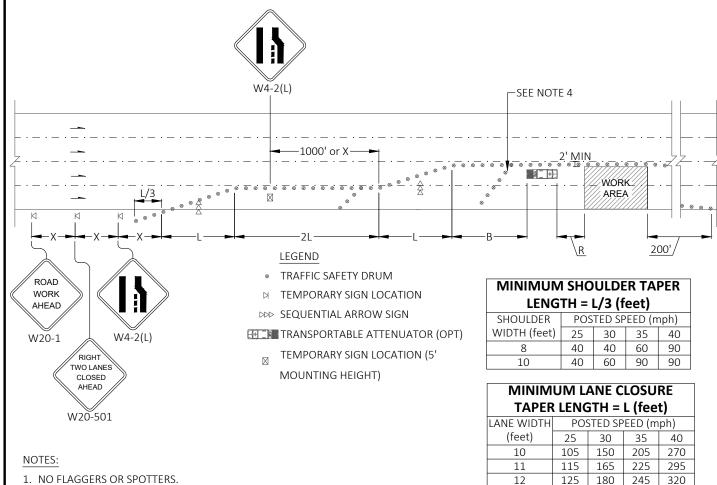
PUBLICATION DATE: REVISION DATE: SCALE: **NOT TO SCALE** STANDARD DETAIL NUMBER: 903

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				
(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		



- 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		

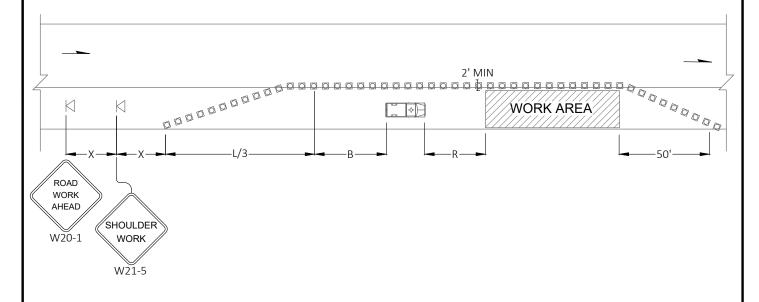


PUBLICATION DATE: REVISION DATE: SCALE: **NOT TO SCALE** STANDARD DETAIL NUMBER: 904

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.

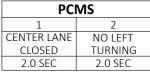
MINIMUM SHOULDER TAPER					
LENGTH = L/3 (feet)					
SHOULDER	POSTED SPEED (mph)				
WIDTH (feet)	25 30 35 40				
8	40	40	60	90	
10	40	60	90	90	

BUFFER DATA					
LONGITUDINAL BU	JFFER SPACE =	В			
SPEED (MPH) 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 SHIELD THE WORK AREA			NO SPE		

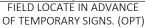


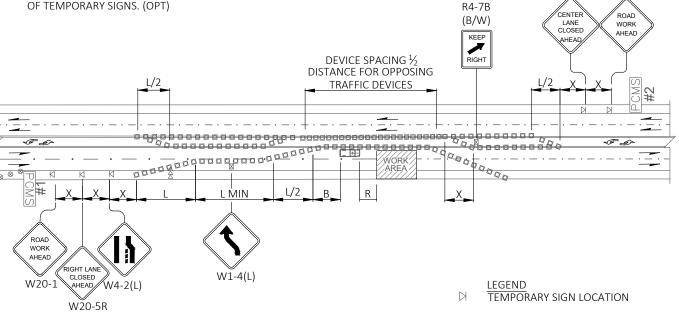
PUBLICATION DATE:	REVISION DATE:
STANDARD DETAIL NUMBER: 905	SCALE: NOT TO SCALE

SHOULDER CLOSURE - LOW SPEED (40 MPH OR LESS)



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





NOTES:

- 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 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					
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 SPECIFI				CIFIED	
SHIELD THE WORK AREA DISTANCE REQUIR				REQUIRED	
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT 15,000 LBS.			30 FEET N	IIN - 100	
THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS		FEET			
RECOMMENDATION.		1	VIAX		



PUBLICATION DATE:	REVISION DATE:
STANDARD DETAIL NUMBER: 906	SCALE: NOT TO SCALE

RIGHT LANE CLOSURE WITH SHIFT - 5 LANE ROADWAY

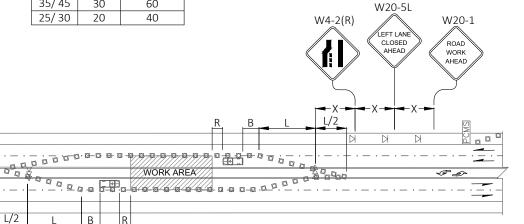
PCMS			
1	2		
CENTER LANE	NO LEFT		
CLOSED	TURNING		
2.0 SEC	2.0 SEC		
FIELD LOCATE IN ADVANCE			

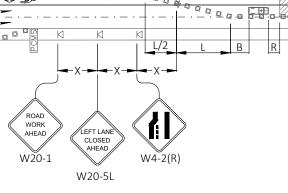
FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS. (OPT)

CHANNELIZATION DEVICE SPACING (feet)

DEVICE		ivo (ieet)
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.

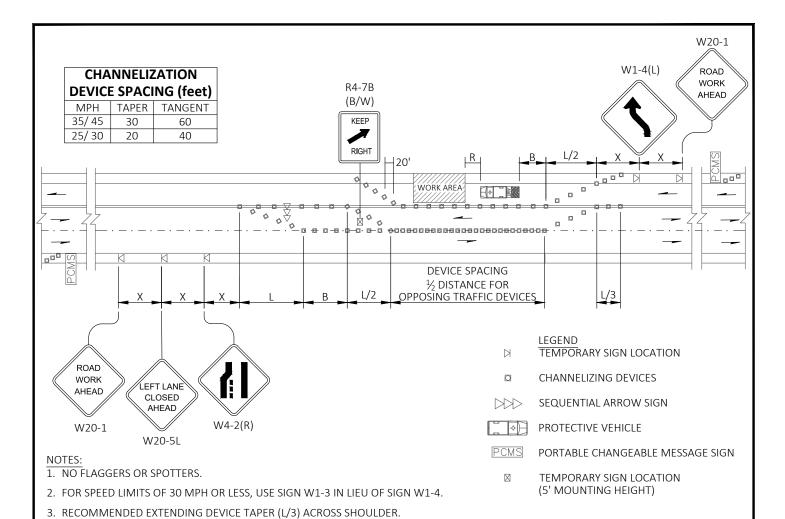
MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH	PO:	STED S	PEED (mph)
(feet)	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

BUFFER DATA					
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 SPECIFIED					
LOCATED TO SHIELD THE WORK AREA DISTANCE REQUIRE					
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE			30 FEET N	AINI 100	
WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN			FEET		
ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.			LEE11	VIAA	



PUBLICATION DATE:	REVISION DATE:
STANDARD DETAIL NUMBER: 907	SCALE: NOT TO SCALE

SHORELINE 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.

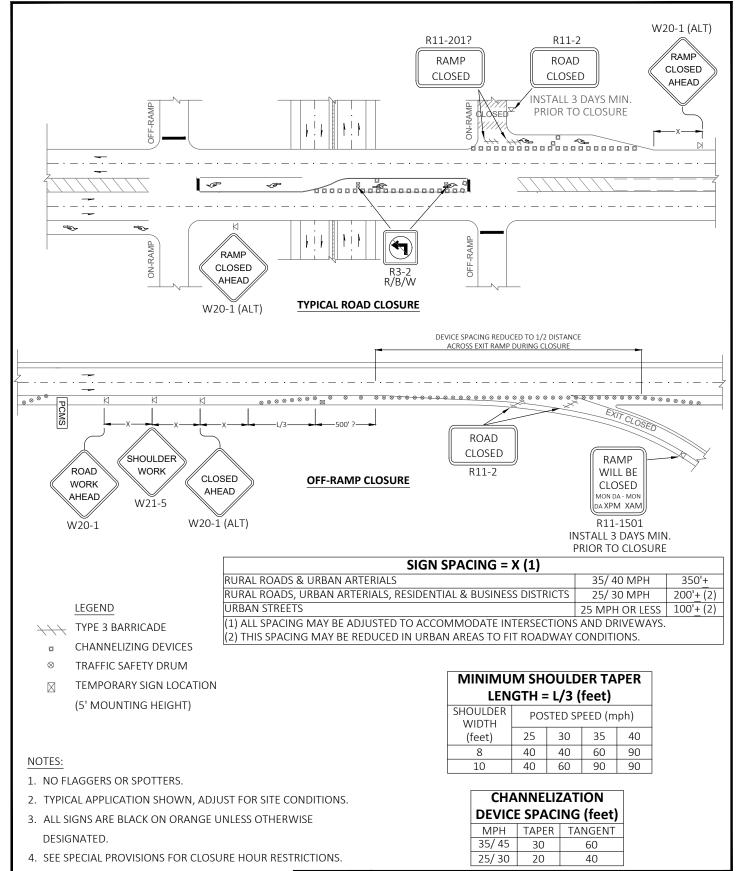
MINIMUM TAPER LENGTH = L (feet)				
LANE WIDTH	PO:	STED S	SPEED (mph)
(feet)	25	30	35	40
10	105	150	205	270
11	115	165	225	295
12	125	180	245	320

BUFFER DATA				
LONGITUE	OINAL 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 SPECIFIE				CIFIED
LOCATED TO SHIELD THE WORK AREA DISTANCE REQUI				REQUIRED
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE			30 FEET N	1INI 100
WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN		FEET		
ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.				VIAA



PUBLICATION DATE: REVISION DATE:
STANDARD DETAIL NUMBER: 908 SCALE: NOT TO SCALE

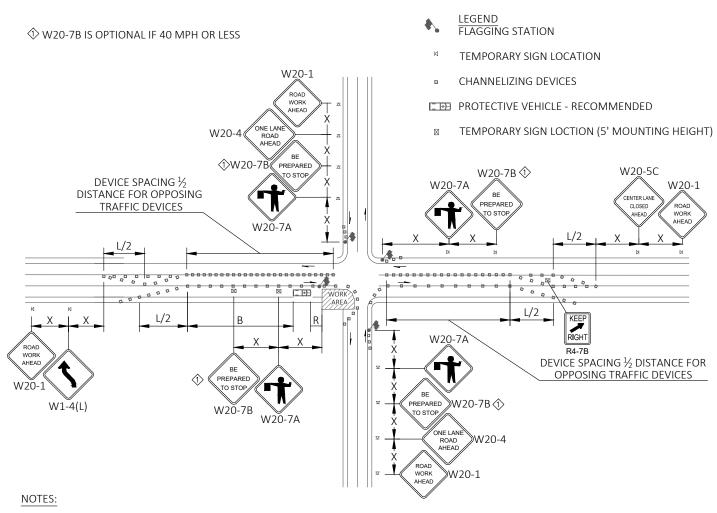
LANE SHIFT - THREE LANE ROADWAY





PUBLICATION DATE: REVISION DATE:
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 AHEAD DISTANCE = R				
PROTECTIVE VEHICLE - MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA				D DISTANCE IRED
TRANSPORTATION ATTENUATOR - MINIMUM HOST VEHICLE WEIGHT : SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS	T 30 FEET MIN - 1	100 FEET MAX		
SIGN SPACING = X (1)			CHANNELIZ	ZATIONI
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±	DEVICE SDAC	
DUDAL DOADS LIBBAN ARTERIALS RESIDENTIAL S RUSINESS RISTRICTS	/	(-)	TITEVILLE CDVU	110011 - 11/1

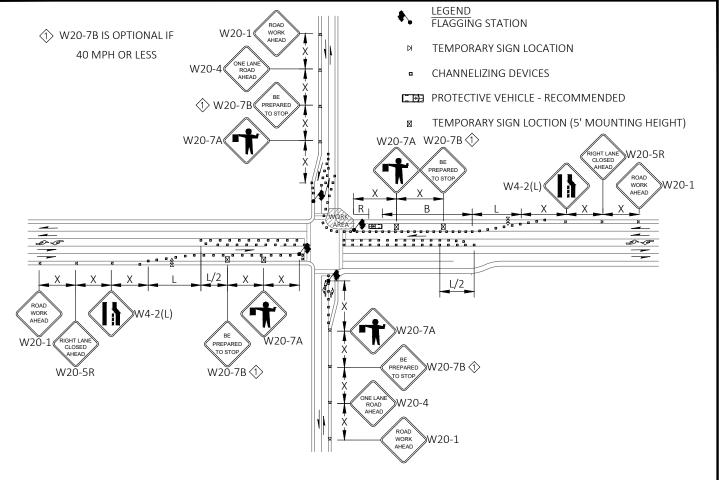
SIGN SPACING = X (1)				
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±		
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'± (2)		
URBAN STREETS	25 MPH OR LESS			
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.				
(2) THIS SPACING MAY BE REDUCED 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:
STANDARD DETAIL NUMBER: 910 SCALE: NOT TO SCALE

INTERSECTION LANE CLOSURE - 3 LANE ROADWAY



NOTES:

- 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 BUF	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 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				

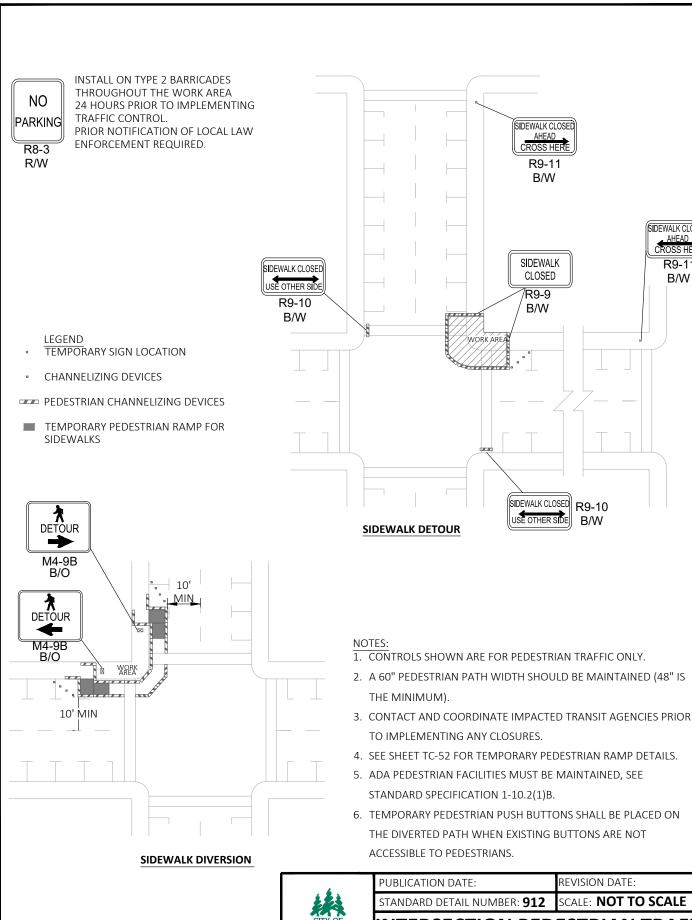
SIGN SPACING = X (1)			
RURAL ROADS & URBAN ARTERIALS	35/ 40 MPH	350'±	
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25/ 30 MPH	200'± (2)	
URBAN STREETS	25 MPH OR LESS	100'± (2)	
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.			
(2) THIS SPACING MAY BE REDUCED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

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



PUBLICATION DATE:	REVISION DATE:
STANDARD DETAIL NUMBER: 911	SCALE: NOT TO SCALE

INTERSECTION LANE CLOSURE - 5 LANE ROADWAY



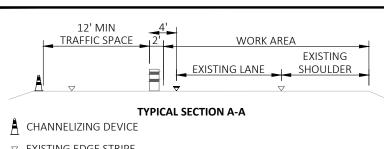
Public Works

REVISION DATE: SCALE: **NOT TO SCALE** INTERSECTION PEDESTRIAN TRAFFIC SHORELINE **CONTROL**

(SIDEWALK CLOSED) CROSS HERE

R9-11

B/W



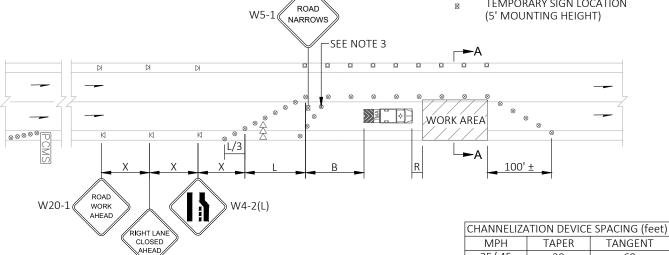
- ▽ EXISTING EDGE STRIPE
- EXISTING LANE STRIPE

- LEGEND
- **TEMPORARY SIGN LOCATION** \bowtie
- CHANNELIZING DEVICES
- TRAFFIC SAFETY DRUM
- SEQUENTIAL ARROW SIGN

TRANSPORTABLE ATTENUATOR

PORTABLE CHANGEABLE MESSAGE SIGN PCMS

TEMPORARY SIGN LOCATION



Ν	O	TΕ	S	:

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.

25/ 30	2	0	40)	
MINIMUM LANE CLOSURE					
TAPER LENGTH = L (feet)					
LANE WIDTH (feet)	POSTED SPEED (mph)				
(ieet)	25	30	35	40	

150

165

180

205

225

245

270

295

320

105

115

125

30

60

35/45

10

11

12

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				
LONGIT	UDINAL BUF	FER SPACE =	= B	
SPEED (MPH)	25	30	35	40
LENGTH (feet)	155	200	250	305
BUFFER VEHICLE ROLL AHEAD DISTANCE = R				
TRANSPORTABLE ATTENUATOR				
			30 FEET 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 1001		100'± (2)	
	OR LESS	100 ± (2)	

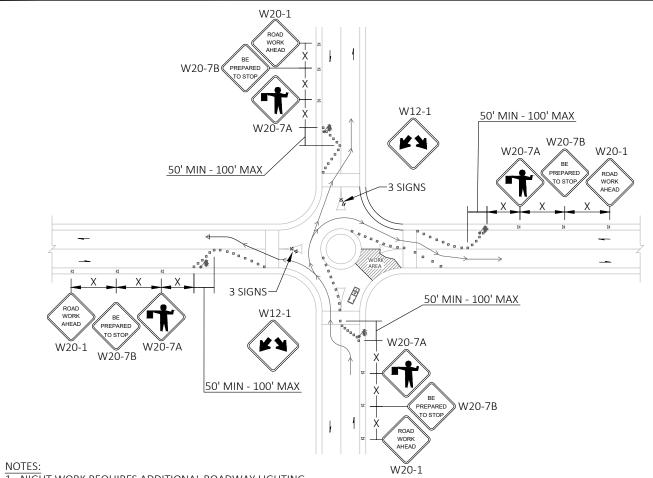
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.

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



PUBLICATION DATE:	REVISION DATE:
STANDARD DETAIL NUMBER: 913	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 (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 1 (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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TYPICAL ROUNDABOUT FLAGGING
OPERATION