SIGN SPACING = X (1)

RURAL ROADS & URBAN ARTERIALS 35-40 MPH 350' +/-

RURAL ROADS & URBAN ARTERIALS 25-30 MPH RESIDENTIAL & BUSINESS DISTRICTS

URBAN STREETS 25 MPH OR LESS 100' +/- (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMODATE INTERCHANGE RAMPS AT-GRADE INTERSECTIONS AND

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

ALL SIGNS ARE 36" X 36" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

SHOULDER

WORK

SHOULDER CLOSURE TAPER LENGTH = L/3

SHOULDER WIDTH (feet)	SPEED (MPH)	20	25	30	35	40
6	L/3 (feet)	40	40	40	60	60
10	L/3 (leet)	40	40	60	90	90

FOR SHOULDERS LESS THAN 6', USE 3 DEVICES MINIMUM

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)

MPH	TAPER	TANGENT
35-40	30	60
20-30	20	40

LONGITUDINAL BUFFER SPACE = B

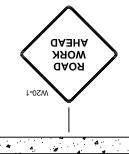
SPEED (MPH)	20	25	30	35	40
LENGTH (feet)	115	155	200	250	305

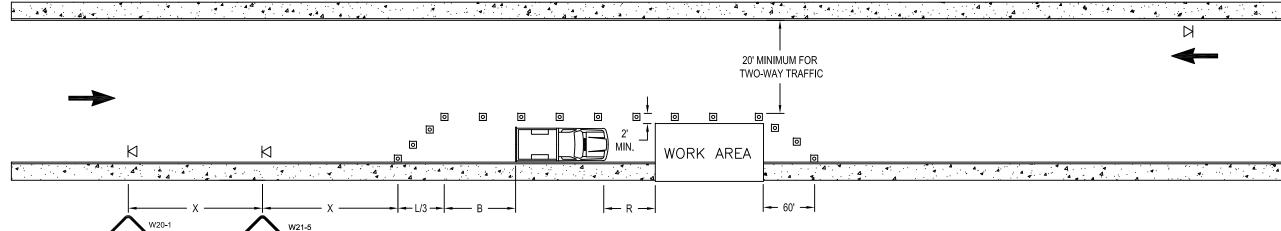
PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R

ROLL AREAD DISTANCE - R	
HOST VEHICLE WEIGHT	R
9,900 TO 22,000 lbs	100'-0"
22,001+ lbs	74'-0"



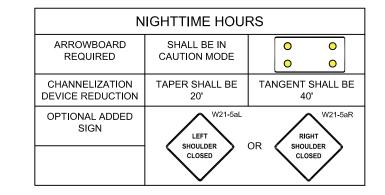


LEGEND SIGN LOCATION CHANNELIZING DEVICES PROTECTIVE VEHICLE - RECOMMENED

ROAD

WORK

AHEAD



NOTES

- 1. Address pedestrian control through or around the work area.
- 2. When used, device spacing for the downstream taper should be 20' O.C.

PEDESTRIAN SIGNS - ** Place on both sides of sidewalks.



DRAWN BY: HEZ





TYPICAL SHOULDER CLOSURE LOW SPEED (40 MPH OR LESS) NO PAVEMENT MARKINGS

PUBLIC WORKS ENGINEERING

APPR BY: JTW DATE: 2/18/2025

DWG: COR-TCP1

CAD FILE: TCP.dwg (SHLDR-NM)



RURAL ROADS & URBAN ARTERIALS 35-40 MPH 350' +/-

RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS

URBAN STREETS 25 MPH OR LESS 100' +/- (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMODATE INTERCHANGE RAMPS AT-GRADE INTERSECTIONS AND

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

ALL SIGNS ARE 36" X 36" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

SHOULDER CLOSURE TAPER LENGTH = L/3

HOULDER /IDTH (feet)	SPEED (MPH)	20	25	30	35	40
6	L/3 (feet)	40	40	40	60	60
10	L/3 (leet)	40	40	60	90	90

FOR SHOULDERS LESS THAN 6', USE 3 DEVICES MINIMUM

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)

		. ,
MPH	TAPER	TANGENT
35-40	30	60
20-30	20	40

LONGITUDINAL BUFFER SPACE = B SPEED (MPH) 20 25 30 LENGTH (feet) 115 155 200 250 305

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

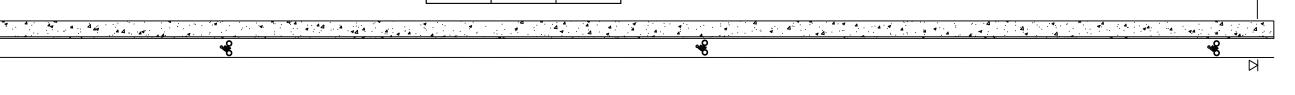
NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.

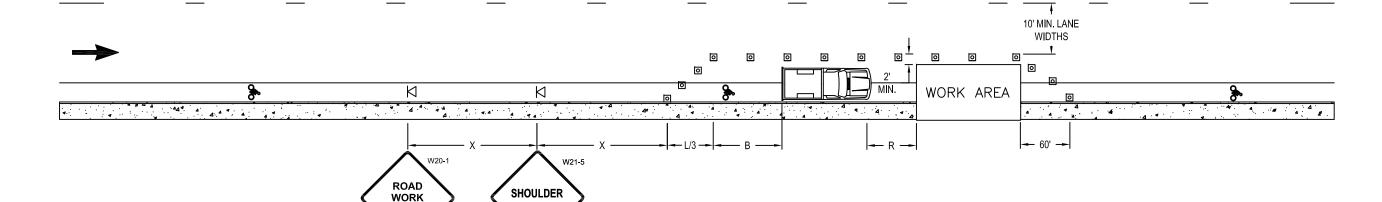
STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R		
HOST VEHICLE WEIGHT	R	
9,900 TO 22,000 lbs	100'-0"	

22,001+ lbs 74'-0"

GA3HA

MOKK **GAOA**





LEGEND SIGN LOCATION CHANNELIZING DEVICES

PROTECTIVE VEHICLE - RECOMMENED

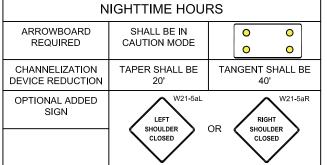
CLOSED AHEAD SHARE 18 X 24 ROAD

*** Optional Signs for use in high traffic

bike areas

AHEAD

WORK



NOTES

- 1. Address pedestrian control through or around the work area.
- 2. When used, device spacing for the downstream taper should be 20' O.C.

PEDESTRIAN SIGNS - ** Place on both sides of sidewalks.

SIDEWALK CLOSED

SIDEWALK CLOSED CROSS HERE



TYPICAL SHOULDER CLOSURE LOW SPEED (40 MPH OR LESS) CENTERLINE MARKINGS WITH BIKE LANE

PUBLIC WORKS ENGINEERING

APPR BY: JTW DATE: 2/18/2025 DRAWN BY: HEZ DWG: COR-TCP2

CAD FILE: TCP.dwg (SHLDR-CLWBL)

SIGN SPACING = X(1)

RURAL ROADS & URBAN ARTERIALS 35-40 MPH 350' +/-

RURAL ROADS & URBAN ARTERIALS 25-30 MPH 200' +/- (2) RESIDENTIAL & BUSINESS DISTRICTS

25 MPH OR LESS 100' +/- (2) URBAN STREETS

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMODATE **DRIVEWAYS**

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

ALL SIGNS ARE 36" X 36" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

MAXIMUM CHANNELIZATION **DEVICE SPACING (feet)**

MPH	TAPER	TANGENT
35-40	30	60
20-30	20	40

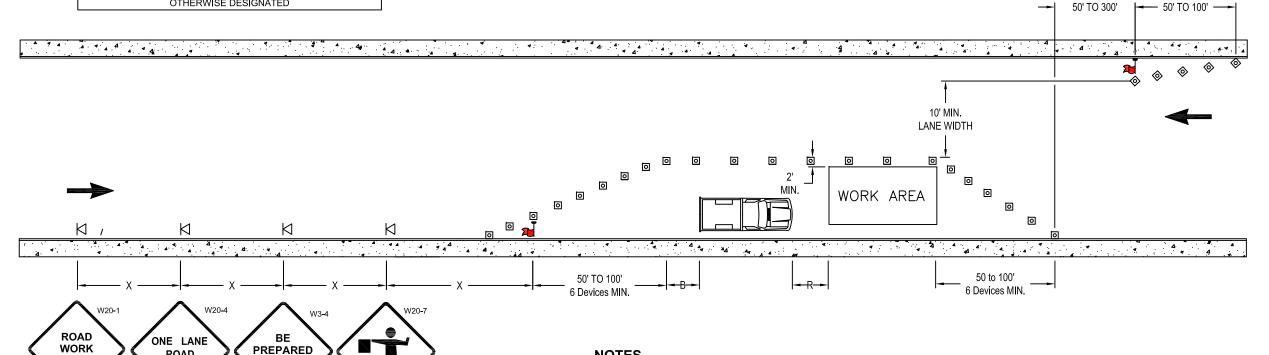
LONGITUDINAL BUFFER SPACE = B

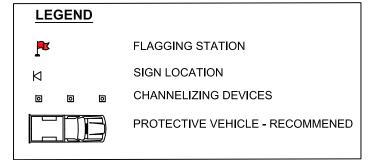
2011011021	. ,, ,				
SPEED (MPH)	20	25	30	35	40
LENGTH (feet)	115	155	200	250	305

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R		
HOST VEHICLE WEIGHT	R	
9,900 TO 22,000 lbs	100'-0"	
22 001+ lbs	74'-0"	





AHEAD

ROAD

AHEAD

TO STOP

NOTES

- Nighttime work requires PCMS reader boards, nighttime high visible clothing, nighttime channelizing devices and additional roadway lighting at flagging stations. This TCP shall not be used for nighttime work.
- Recommend extending channelizing device taper across shoulder. Channelizing devices at flaggers stations recommended.
- Protective Vehicle recommended and may be a work vehicle strategically located to shield the work area. Work vehicle should have any of the following; high intensity rotating, flashing, oscillating or strobe lights. At the very minimum, vehicle shall have
- 4. For low-volume roadways (less than 400 AADT) with short-duration work zones (less than 60 minutes) on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger positioned to visible from both
- Extend the buffer space to locate the flagger station in advance of a curve, if
- Flaggers shall provide control and direction for pedestrians.
- Sign sequence shall be provided for both directions of travel on the roadway.
- 8. Business and residential access shall be maintained throughout the work zone.



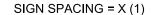
TYPICAL LANE CLOSURE LOW SPEED (40 MPH OR LESS) NO PAVEMENT MARKINGS

PUBLIC WORKS ENGINEERING

APPR BY: JTW DATE: 2/18/2025

DRAWN BY: HEZ DWG: COR-TCP3

CAD FILE: TCP.dwg (FLAGGER-NM)



RURAL ROADS & URBAN ARTERIALS 35-40 MPH 350' +/-

RURAL ROADS & URBAN ARTERIALS 25-30 MPH RESIDENTIAL & BUSINESS DISTRICTS

URBAN STREETS 25 MPH OR LESS 100' +/- (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMODATE INTERCHANGE RAMPS AT-GRADE INTERSECTIONS AND

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

ALL SIGNS ARE 36" X 36" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)

DEVICE OF MONTO (1661)			
MPH	TAPER	TANGENT	
35-40	30	60	
20-30	20	40	

LONGITUDINAL BUFFER SPACE = B 25 30 35 LENGTH (feet) 115 155 200 250 305

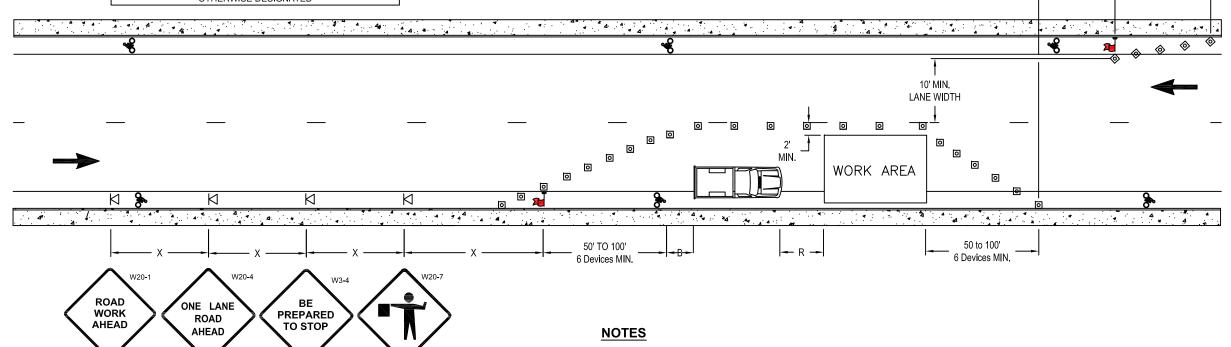
PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R		
HOST VEHICLE WEIGHT	R	
9,900 TO 22,000 lbs	100'-0"	
22,001+ lbs	74'-0"	

50' TO 300'

— 50' TO 100' —



LEGEND FLAGGING STATION

SIGN LOCATION

CHANNELIZING DEVICES

PROTECTIVE VEHICLE - RECOMMENED

Optional Signs for use in high traffic bike areas.



SHARE | 18 X 24 THE ROAD

- 1. Nighttime work requires PCMS reader boards, nighttime high visible clothing, nighttime channelizing devices and additional roadway lighting at flagging stations. This TCP shall not be used for nighttime work.
- 2. Recommend extending channelizing device taper across shoulder. Channelizing devices at flaggers stations recommended.
- Protective Vehicle recommended and may be a work vehicle strategically located to shield the work area. Work vehicle should have any of the following; high intensity rotating, flashing, oscillating or strobe lights. At the very minimum, vehicle shall have working hazard warning signals.
- 4. For low-volume roadways (less than 400 AADT) with short-duration work zones (less than 60 minutes) on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger positioned to visible from both directions may be used.
- 5. Extend the buffer space to locate the flagger station in advance of a curve, if
- 6. Flaggers shall provide control and direction for pedestrians.
- 7. Sign sequence shall be provided for both directions of travel on the roadway.
- 8. Business and residential access shall be maintained throughout the work zone



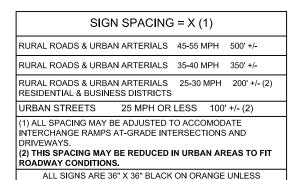
TYPICAL LANE CLOSURE LOW SPEED (40 MPH OR LESS) CENTERLINE MARKINGS WITH BIKE LANE

PUBLIC WORKS ENGINEERING

APPR BY: JTW DATE: 2/18/2025

DRAWN BY: HEZ DWG: COR-TCP4

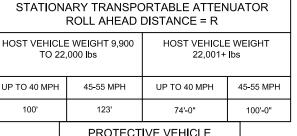
CAD FILE: TCP.dwg (FLAGGER-BL)



OTHERWISE DESIGNATED

MAXIMUM CHANNELIZATION DEVICE SPACING (feet)									
MPH	TAPER	TANGENT							
50-75	40	80							
35-45	30	60							
20-30	20	40							

	LONGITUDINAL BUFFER SPACE = B												
	LONGITUDINAL BUFFER SPACE = B												
	SPEED (MP	H)	20	2	5	30		3	35	40	45	50	
	LENGTH (fe	et)	115	15	5	200		2	50	305	360	42	5
	MINIMUM LANE CLOSURE TAPER LENGTH = L												
L	ANE WIDTH (feet)	SPE	EED (MF	PH)	20		25	5	30	35	40	45	50
	12		L (feet)		80		14	0	180	270	330	540	600
	SHOUL	DEF	R CLC	วรเ	JR	E -	ΓAF	PE	RL	ENG	TH =	= L/3	
	SHOULDER VIDTH (feet)	SPE	EED (MF	2	0	25	5	30	35	40	45	50	
	6 L/3 (feet)		4	0	40	0	40	60	60	90	120		
	10		io (leet	,	4	0	40) 	60	90	90	150	200
	FOR SHOUL	DEF	RS LES	SS T	HΑ	N 6	3', L	JSI	E 3 E	EVIC	ES M	INIMU	JM

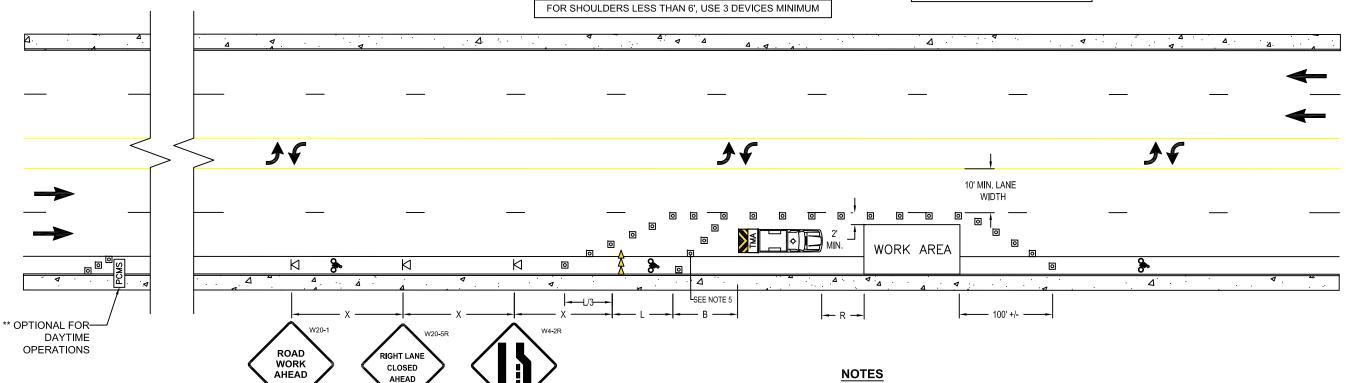


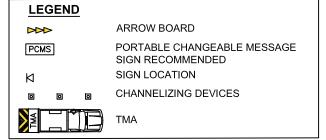
PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.

PC	MS
1	2
LEFT LANE CLOSED	XX MILES AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE XX MILES =/- IN ADVANCE OF LANE CLOSURE TAPER

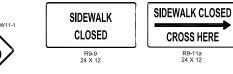






*** Optional Signs for use in high traffic

PEDESTRIAN SIGNS - ** Place on both sides of sidewalks.

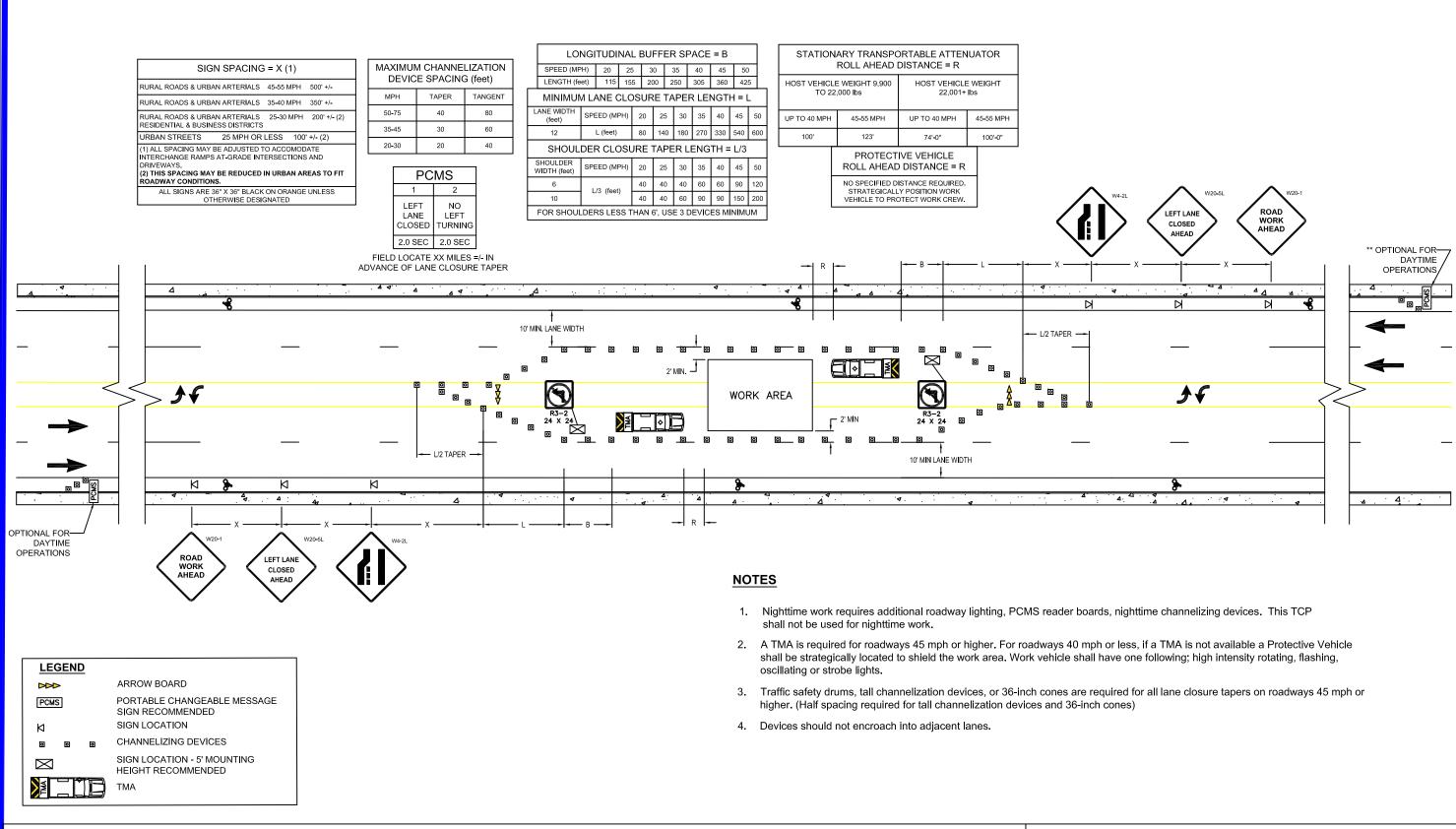


- Nighttime work requires additional roadway lighting, PCMS reader boards, nighttime channelizing devices. This TCP shall not be used for nighttime work.
- A TMA is required for roadways 45 mph or higher. For roadways 40 mph or less, if a TMA is not available a Protective Vehicle shall be strategically located to shield the work area. Work vehicle shall have one following; high intensity rotating, flashing, oscillating or strobe lights.
- Traffic safety drums, tall channelization devices, or 36-inch cones are required for all lane closure tapers on roadways 45 mph o higher. (Half spacing required for tall channelization devices and 36-inch cones)
- 4. Devices should not encroach into adjacent lanes.
- 5. Use transverse devices in closed lane every 1000' when the work operation allows.
- Downstream taper device spacing should be 20' when a taper is used.
- 7. Address pedestrian control through or around the work area.



TYPICAL RIGHT LANE CLOSURE FOR MULTI-LANE ROADWAYS

	PUBLIC WORKS ENGINEERING							
	APPR BY: JTW	DATE: 2/18/2025						
	DRAWN BY: HEZ	DWG: COR-TCP5						
CAD FILE: TCP.dwg (LANE CLOSURE-RL)								





TYPICAL LEFT LANE AND CENTER TURN LANE CLOSURE FOR MULTI-LANE ROADWAYS

PUBLIC WORKS ENGINEERING							
APPR BY: JTW	DATE: 2/18/2025						
DRAWN BY: HEZ DWG: COR-TCP6							
CAD FILE: TCP.dwg (LANE CLOSURE-LCL)							

SIGN SPACING = X (1) RURAL ROADS & URBAN ARTERIALS 45-55 MPH 500° +/ RURAL ROADS & URBAN ARTERIALS 35-40 MPH 350° +/ RURAL ROADS & URBAN ARTERIALS 25-30 MPH 200° +/- (2)

URBAN STREETS 25 MPH OR LESS 100' +/- (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMODATE
INTERCHANGE RAMPS AT-GRADE INTERSECTIONS AND

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

ALL SIGNS ARE 36" X 36" BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED

MAXIMUM CHANNELIZATION DEVICE SPACING (feet) MPH TAPER TANGENT 50-75 40 80

20

40

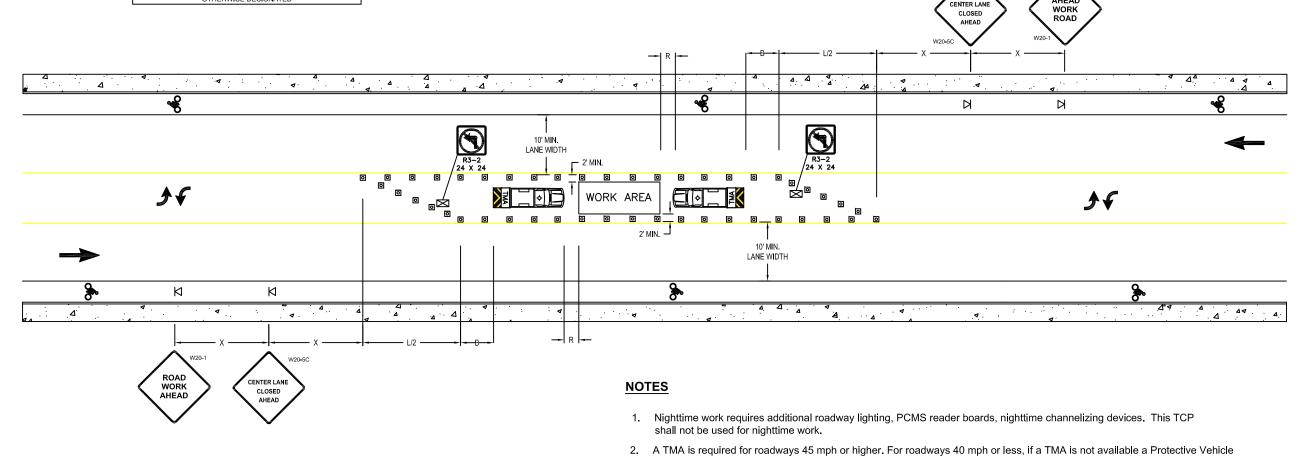
	LO	LONGITUDINAL BUFFER SPACE = B											
	SPEED (MF	H)	20 25		5	30		,	35	40	45	50	7
	LENGTH (fe	et)	115	15	5	5 200		00 250		305	360	42	5
ſ	MINIMUN	MINIMUM LANE CLOSURE TAPER LENGTH = L									-		
	LANE WIDTH (feet)				2	0	2	5	30	35	40	45	50
Γ	11	11 L (feet)		7	5	11	5	165	225	295	495	550	
I	12		L (feet)		8	0	14	0	180	270	330	540	600

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R							
	WEIGHT 9,900 ,000 lbs	HOST VEHICLE WEIGHT 22,001+ lbs					
UP TO 40 MPH	45-55 MPH	UP TO 40 MPH	45-55 MPH				
100'	123'	74'-0"	100'-0"				

shall be strategically located to shield the work area. Work vehicle shall have one following; high intensity rotating, flashing,

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.



oscillating or strobe lights.



LEGEND

 \boxtimes

SIGN LOCATION - 5' MOUNTING

HEIGHT RECOMMENDED

SIGN LOCATION
CHANNELIZING DEVICES

TYPICAL TWO-WAY LEFT TURN LANE CLOSURE

PUBLIC WORKS ENGINEERING

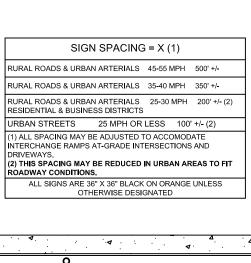
APPR BY: JTW

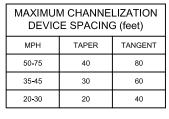
DATE: 2/18/2025

DRAWN BY: HEZ

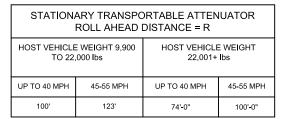
DWG: COR-TCP7

CAD FILE: TCP.dwg (LANE CLOSURE-TWLTL)



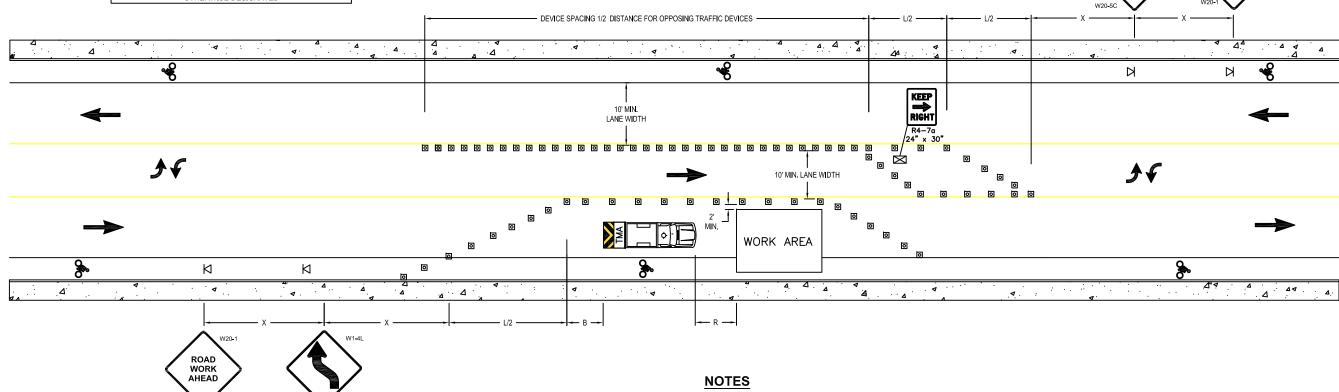


ı													$\overline{}$					
	LONGITUDINAL BUFFER SPACE = B																	
	SPEED (MF	PH)	20	2	5	3	0	-	35	40	45	50						
l .	LENGTH (feet)		115	15	5	20	00 250		:50	305	360	42	5					
	MINIMUM LANE CLOSURE TAPER LENGTH = L																	
	LANE WIDTH (feet)	SPE	SPEED (MPH)			20	2	5	30	35	40	45	50					
	11	11 L (feet) 75		L (feet)			L (feet)		L (feet)		'5	11	5	165	225	295	495	550
	12		L (feet)			30	14	10	180	270	330	540	600					



PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R

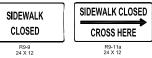
NO SPECIFIED DISTANCE REQUIRED. STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW.







PEDESTRIAN SIGNS - ** Place on both sides of sidewalks.



- Nighttime work requires additional roadway lighting, PCMS reader boards, nighttime channelizing devices. This TCP shall not be used for nighttime work.
- A TMA is required for roadways 45 mph or higher. For roadways 40 mph or less, if a TMA is not available a Protective Vehicle shall be strategically located to shield the work area. Work vehicle shall have one following; high intensity rotating, flashing, oscillating or strobe lights.
- 3. For long term projects, conflicting pavement markings no longer applicable must be removed or obliterated as soon as practicable. Temporary markings shall be used as necessary and signs shall be post mounted.
- 4. Extend device taper across shoulder if applicable.
- 5. Address pedestrian control through or around the work area.



TYPICAL LANE SHIFT WITH TWO-WAY LEFT TURN LANE

PUBLIC WORKS ENGINEERING							
APPR BY: JTW	DATE: 2/18/2025						
DRAWN BY: HEZ	DWG: COR-TCP8						

CAD FILE: TCP.dwg (LANE CLOSURE-LS TWLTL)