Stationary Work

- Typical Center Lane Closure (SV-TC-101)
- Typical Road Closure Local Access (SV-TC-102)
- Typical Lane Shift Two Lane Roadway with Center Turn Lane (SV-TC-105)
- Typical One-Lane, Two-Way Traffic Control with Flaggers (WSDOT TC 1)
- Typical Single Lane Closure for Multi-Lane Roadways (SV-TC-106)
- Typical Double Lane Closure for Multi-Lane Roadways (WSDOT TC 4)
- Typical Shoulder Closure Low Speed (40 mph or less) (WSDOT TC 5)
- Typical Shoulder Closure High Speed (45 mph or higher) (WSDOT TC 6)
- Typical Lane Shift Three Lane Roadways (WSDOT TCP12)
- Typical Intersection Lane Closure Three Lane Roadway (WSDOT TC14)
- Typical Roundabout Flagging Operation (WSDOT TC18)

Short Duration and Very Short Duration

- Typical Short Duration Lane Closure 2 Lane Operation (WSDOT TCP 14)
- Typical Short Duration Lane Closure Multi-Lane Operation (WSDOT TCP 15)
- Typical Short Duration Shoulder Work Multi-Lane Operation (WSDOT TCP 16)
- Typical Short Duration Work Operation Intersection Location (WSDOT TCP 17)
- Typical Very Short Duration Work Operation Outside Traveled Way -Two Lane or Multi-lane Highway (WSDOT TCP 18)
- Typical Very Short Duration Work Operation- Multi-Lane Approach, Low Speed (40 mph or lower) (WSDOT TCP 19)

Intersection Operations

- Typical Intersection Pedestrian Traffic Control (WSDOT TC16)
- Typical Intersection Lane Closure Three Lane Roadway (WSDOT TC 27)

BUFFER DATA								
LOI	NGITU	DINAL	BUFF	ER S	PACE	= B		
SPEED (MPH)	25	30	35	40	45	50	55	60
LENGTH (feet)	155	200	250	305	360	425	-	-
BUFFER	VEHIC	LE RO		IEAD	DISTA	NCE =	= R	
TRANSPORTABLE ATTENUATOR MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION.) FEET TO) FEET		
PROTECTIVE VEHICLE MAY BE A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD THE WORK AREA.						SPECI DISTANO EQUIR	CE	

И

O

 \square

SIGN SPACING = X (1)						
RURAL ROADS	45 / 55 MPH	500'				
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'				
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200'(2)				
RESIDENTAL & BUSINESS DISTREICTS						
URBAN STREETS	25 MPH OR LESS	100'(2)				
 ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS. THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS. 						

TANGENT

80

60

40

CHANNELIZATION DEVICE SPACING (feet)

TAPER

40

30

20

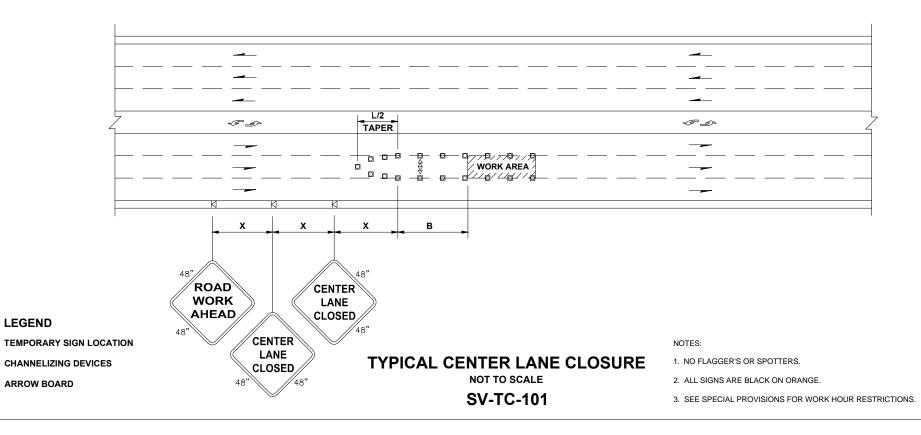
MPH

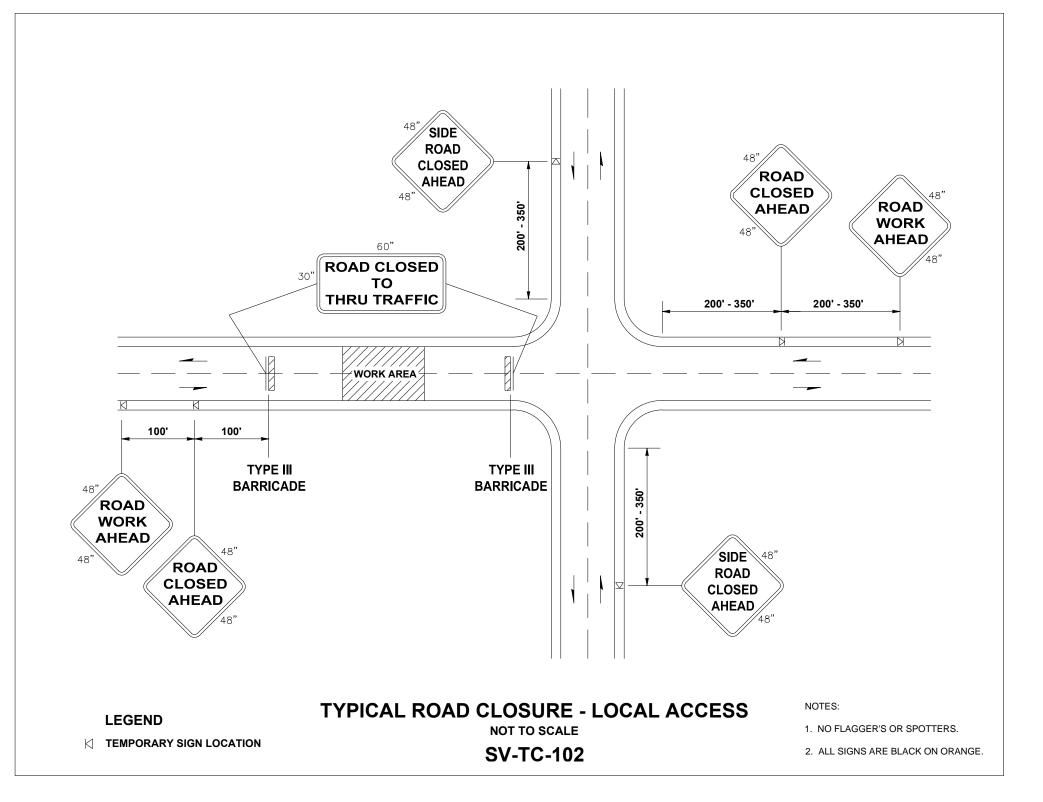
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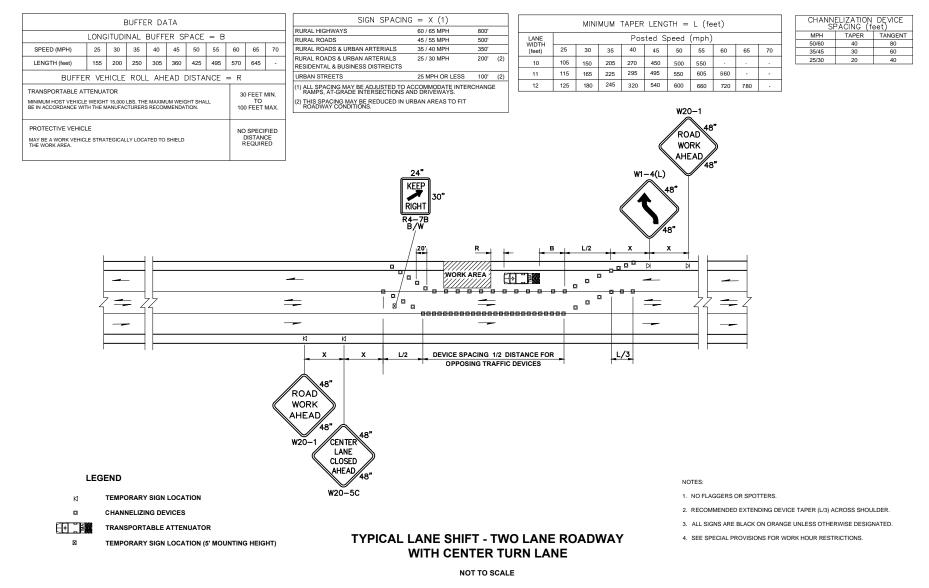
35/45

25/30

MINIMUM TAPER LENGTH = L (feet)									
LANE WIDTH	Posted Speed (mph)								
(feet)	25	30	35	40	45	50	55	60	
10	105	150	205	270	450	500	-	-	
11	115	165	225	295	495	550	-	-	
12	125	180	245	320	540	600	-	-	







SV-TC-105

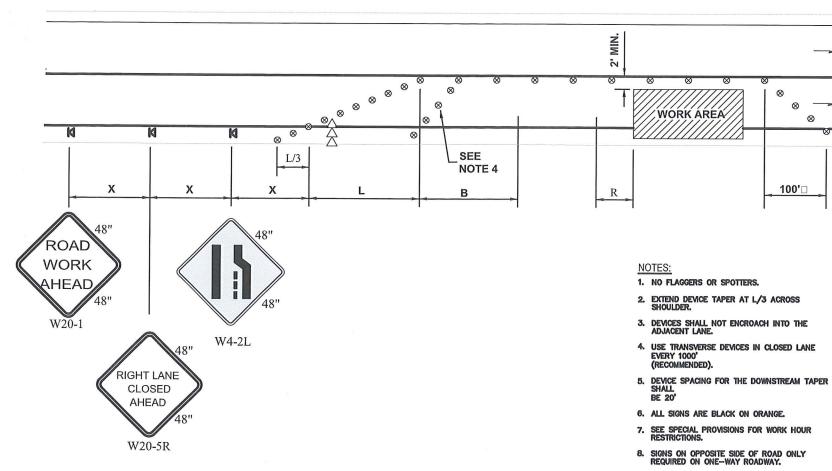
MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH		Posted Speed (mph)								
(feet)	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
	MIN	NIMUM	I SHOU	LDER	TAPER	LENG	TH = L	/3 (feet)		
SHOULDER	MIN	NIMUM	I SHOU			LENG		/3 (feet))	
SHOULDER WIDTH (feet)	MIN 25	NIMUM 30	I SHOU 35					/3 (feet) 60	65	70
WIDTH				Pos	sted Spe	ed (mp	h)			70 190
WIDTH (feet)	25	30	35	Pos 40	sted Spe 45	ed (mp) 50	h) 55	60	65	

SIGN SPACIN	NG = X(1)	
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' +/-
RURAL HIGHWAYS	60 / 65 MPH	800' +/-
RURAL ROADS	45 / 55 MPH	500' +/-
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)
 ALL SPACING MAY BE ADJUSTED TO / RAMPS, AT-GRADE INTERSECTIONS A THIS SPACING MAY BE REDUCED IN L ROADWAY CONDITIONS. 	ACCOMMODATE INTER ND DRIVEWAYS. JRBAN AREAS TO FIT	CHANGE

CANALIZATION DEVICE SPACING (feet)						
MPH	TAPER	TANGENT				
50/70	40	80				
35/45	30	60				
25/30	20	40				

LENGTH (fe

TRANSPORT MINIMUM HOST BE IN ACCORDA



LEGEND

D TEMPORARY SIGN LOCATION

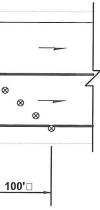
 \otimes TRAFFIC SAFETY DRUM

SEQUENTIAL ARROW SIGN DDD

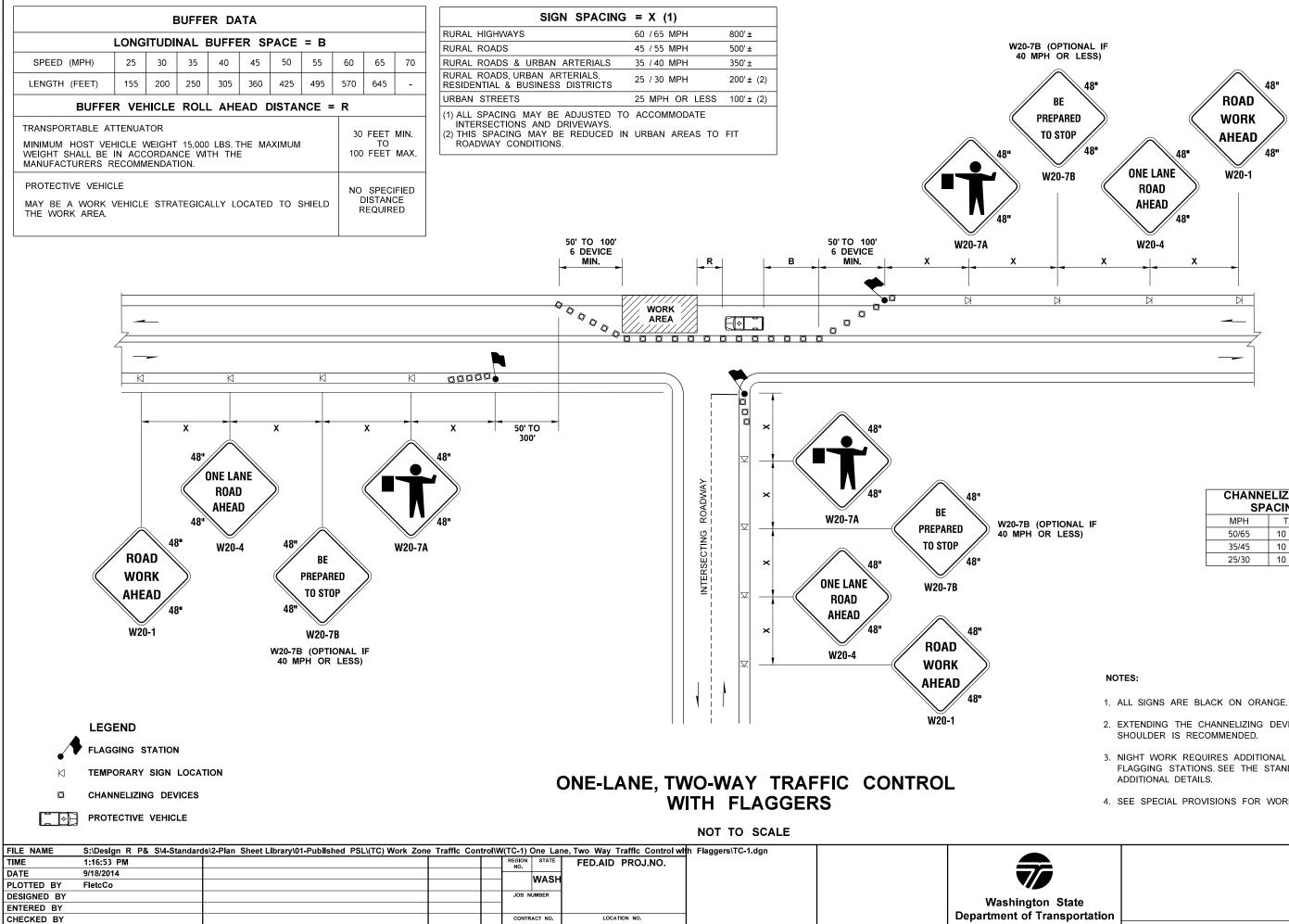
SINGLE-LANE CLOSURE FOR MULTI-LANE ROADWAYS NOT TO SCALE

SV-TC-106

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
25 30 35 40 45 50 55 60 65 7						70				
feet)	155	200	250	305	360	425	495	570	645	730
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
TABLE ATTENUATOR ST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM WEIGHT SHALL DANCE WITH THE MANUFACTURERS RECOMMENDATION.							FEET I TO FEET I			







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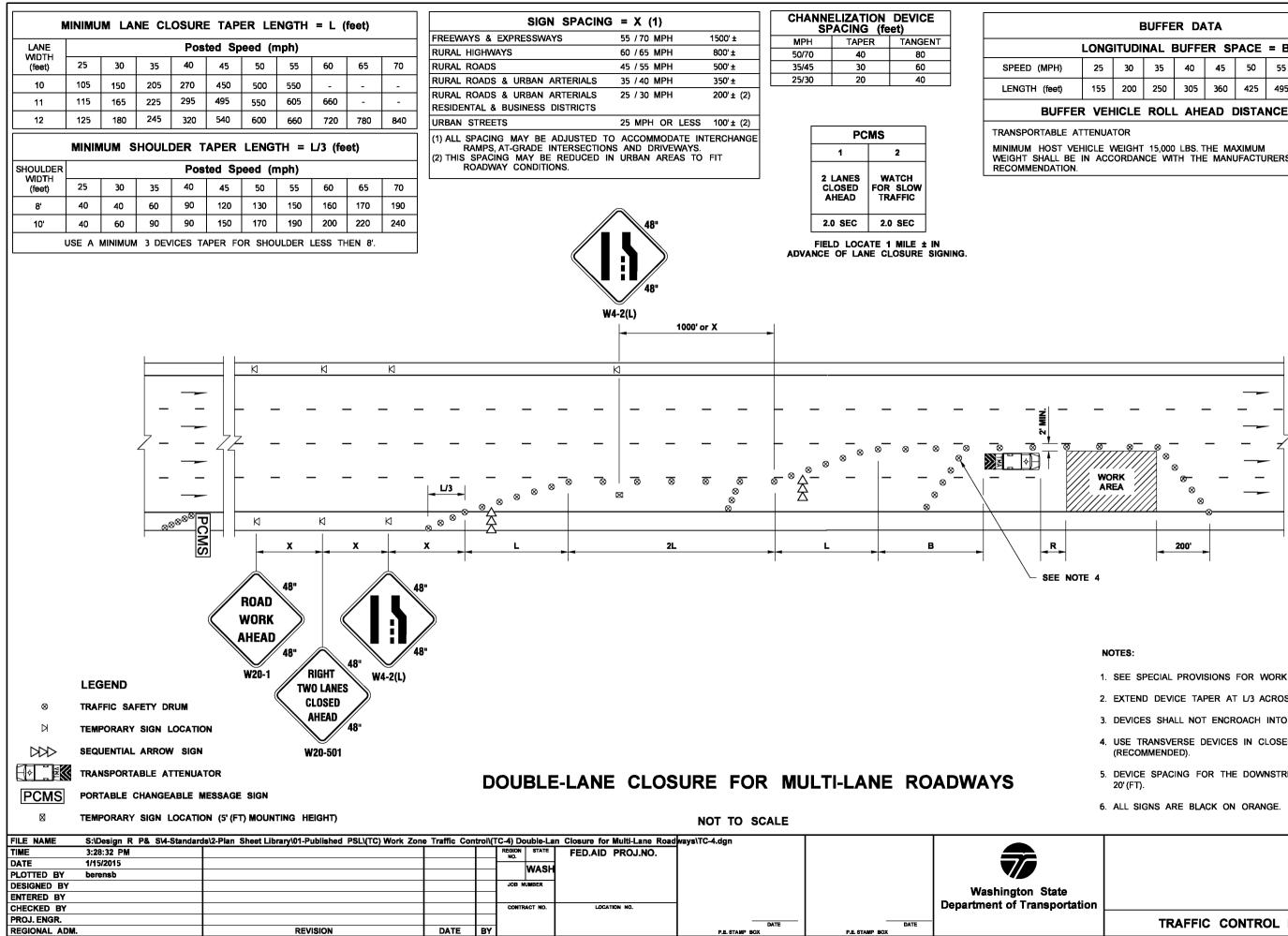
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TIONAL	IF
LESS)	

CHANNELIZATION DEVICE SPACING (FEET)							
MPH	TAPER	TANGENT					
50/65	10 TO 20	80					
35/45	10 TO 20	60					
25/30	10 TO 20	40					

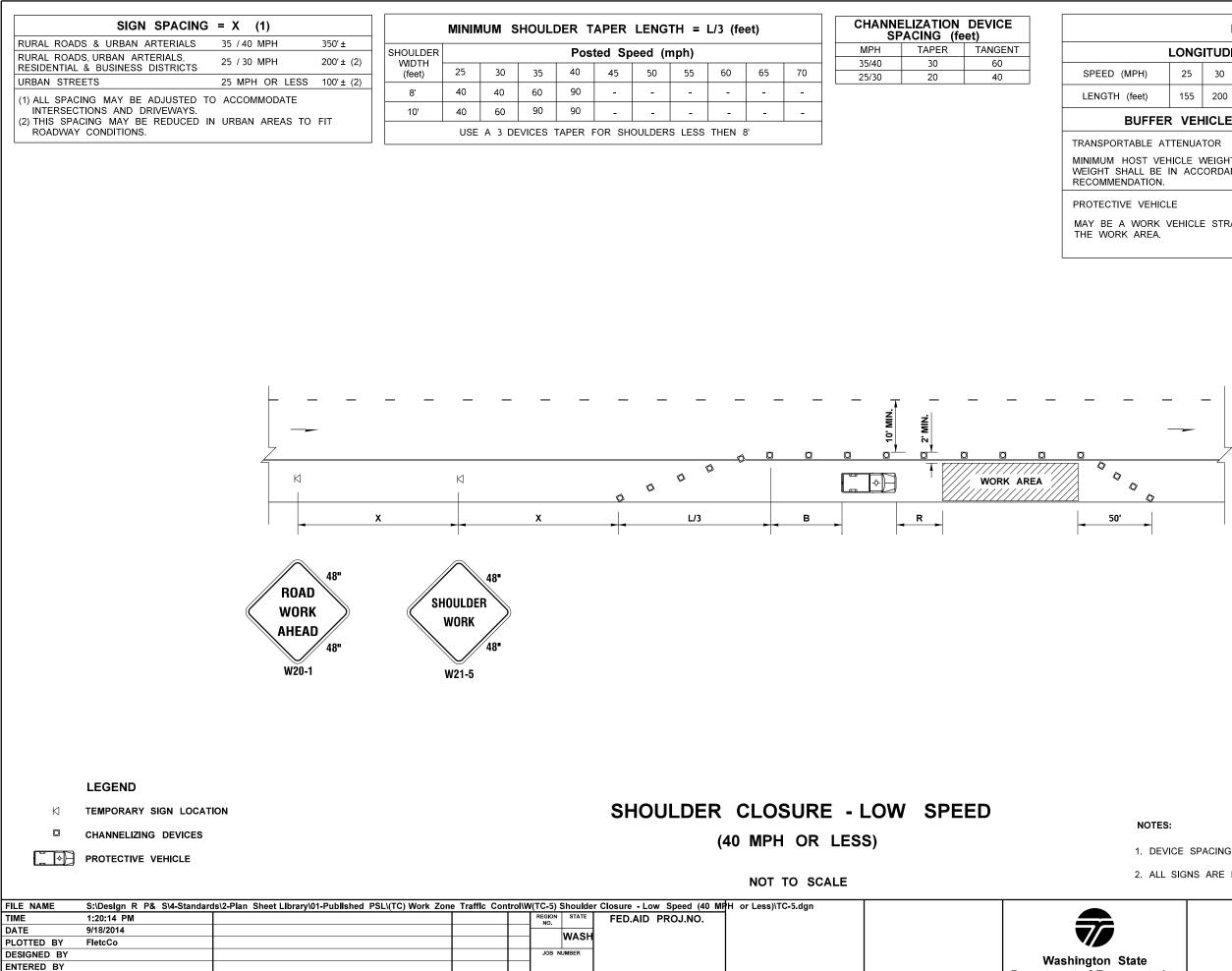
- 2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS
- 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR
- 4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

		Plot 1
		PLAN REF NO
		TC1
State		SHEET
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	TRAFFIC CONTROL PLAN	SHEETS



- 1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- 2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANES.
- 4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT)
- 5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE

		Plot 1
		PLAN REF NO
		TC4
itate		SHEET
sportation		OF
	TRAFFIC CONTROL PLAN	SHEETS



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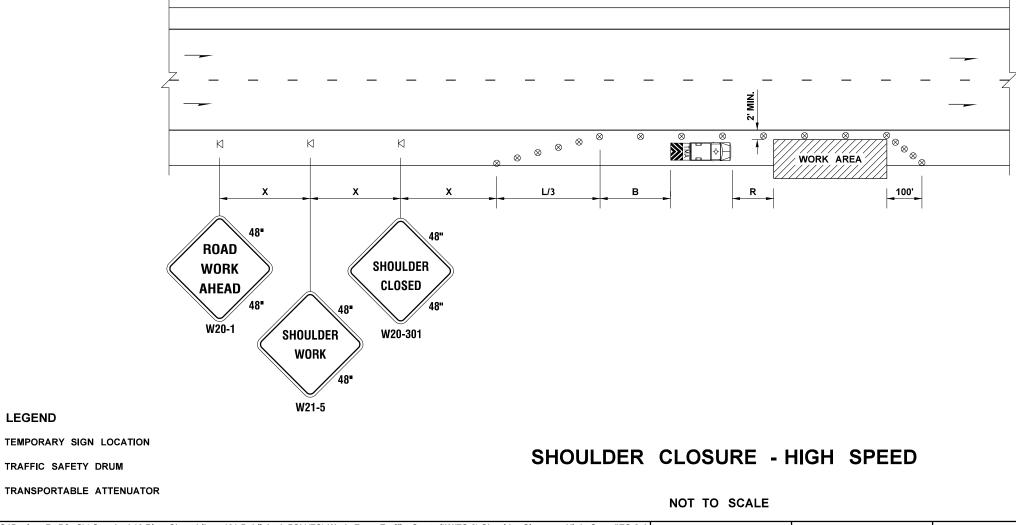
		E	BUFFE	RDA	ATA					
	LONG	ITUDI	NAL I	BUFFE	ER SF	PACE	= B			
(MPH)	25	30	35	40	45	50	55	60	65	70
H (feet)	155	200	250	305						
BUFFER VEHICLE ROLL AHEAD DISTANCE = R										
DRTABLE ATTENUATOR I HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS TO TO 100 FEET MAX.										
	IVE VEHICLE NO SPECIFIED A WORK VEHICLE STRATEGICALLY LOCATED TO SHIELD DISTANCE									

1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20'(FT).

2. ALL SIGNS ARE BLACK ON ORANGE.

		Plot 1
		PLAN REF NO
		TC5
Washington State		SHEET
Department of Transportation		OF
	TRAFFIC CONTROL PLAN	SHEETS

SIGN SPACING = X (1)			MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)							CHANNELIZATION DEVICE SPACING (feet)							
REEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ±	SHOULDER				Poe	ted Sp	ood (r	nnh)				MPH	TAPER		
JRAL HIGHWAYS	60 / 65 MPH	800' ±	WIDTH		1		103	teu op						50/70	40	80	
JRAL ROADS	45 / 55 MPH	500' ±	(feet)	25	30	35	40	45	50	55	60	65	70	35/45	30	60	
ALL SPACING MAY BE ADJUSTE RAMPS, AT-GRADE INTERSECTIO		INTERCHANGE	8'	-	-	-	-	120	130	150	160	170	190				
			10'	-	-	-	-	150	170	190	200	220	240				-
				USE A	MINIMUN	1 3 DE\	/ICES T/	APER FO	DR SHO	ULDER	LESS TI	- HEN 8'.					_
			L														-



FILE NAME	S:\Design R P& S\4-Standard	ds\2-Plan Sheet Llbrary\01-Published PSL\(TC) Work Zon	e Traffic Co	ntrol\W	/(TC-6) S	Shoulde	r Closure - High Speed\TC-6.dg	n		
TIME	1:21:04 PM				REGION	STATE	FED.AID PROJ.NO.			
DATE	9/18/2014					WASH				
PLOTTED BY	FletcCo					WASH				
DESIGNED BY					JOB NL	JMBER				Weekington St
ENTERED BY										Washington St
CHECKED BY					CONTRA	ACT NO.	LOCATION NO.			Department of Trans
PROJ. ENGR.								DATE	DATE	
REGIONAL ADM.		REVISION	DATE	BY				P.E. STAMP BOX	P.E. STAMP BOX	

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BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	-	-	-	-	360	425	495	570	645	730
BUFFEF	R VEF	IICLE	ROLI	L AHE	EAD [DISTA	NCE	= R		
MINIMUM HOST VEH	TRANSPORTABLE ATTENUATOR 30 FEET MIN. MINIMUM HOST VEHICLE WEIGHT 15,000 LBS. THE MAXIMUM TO WEIGHT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS 100 FEET MAX.									

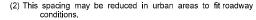
NOTES:

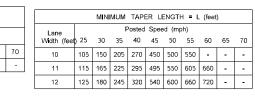
- 1. NO ENCROACHMENT IN TRAVELED LANE. IF ENCROACHMENT IS NECESSARY, LANE SHALL BE CLOSED.
- 2. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT) O.C.
- 3. ALL SIGNS ARE BLACK ON ORANGE.

		Plot 1
		PLAN REF NO
		TC6
State ansportation		SHEET
ansportation		OF
	TRAFFIC CONTROL PLAN	SHEETS

SIGN SPACING = X	(FEET) (1)	
RURAL HIGHWAYS	60/65 MPH	800'±
RURAL ROADS	45/55 MPH	500'±
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)
ALL SIGNS ARE 48" X 48" BLACK ON DESIGNATED.	ORANGE UNLESS OT	HERWISE

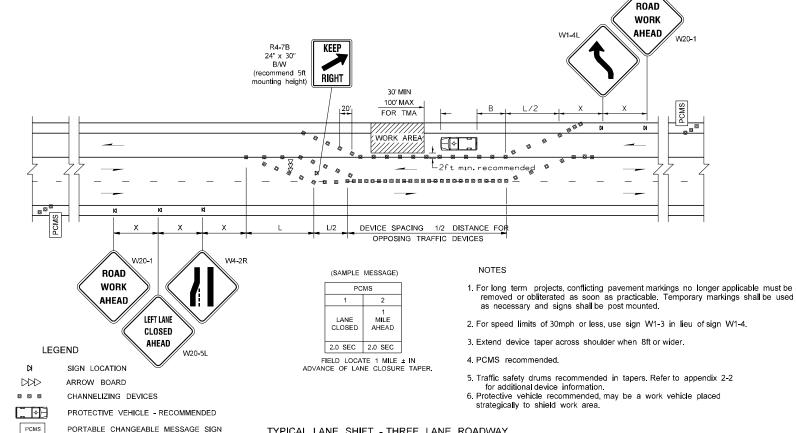
 All spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.



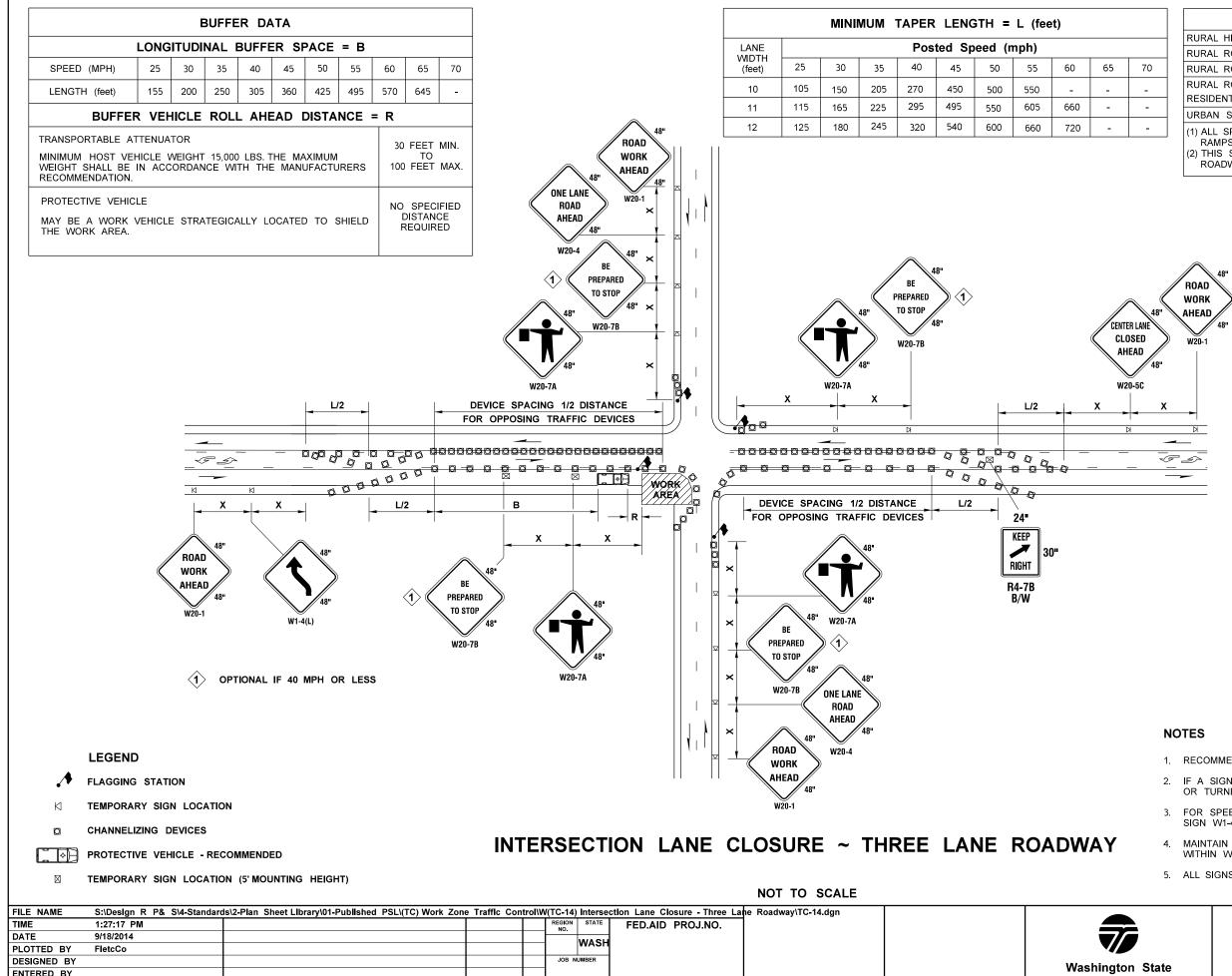


BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	7
LENGTH (feet)	155	200	250	305	360	425	495	570	-	-

CHANNELIZ	NG DEVICE SP	ACING (FEET)
MPH	TAPER	TANGENT
50 / 60	40	80
35 / 45	30	60
25 / 30	20	40



TYPICAL LANE SHIFT - THREE LANE ROADWAY TCP 12



CONTRACT NO.

DATE

BY

LOCATION NO.

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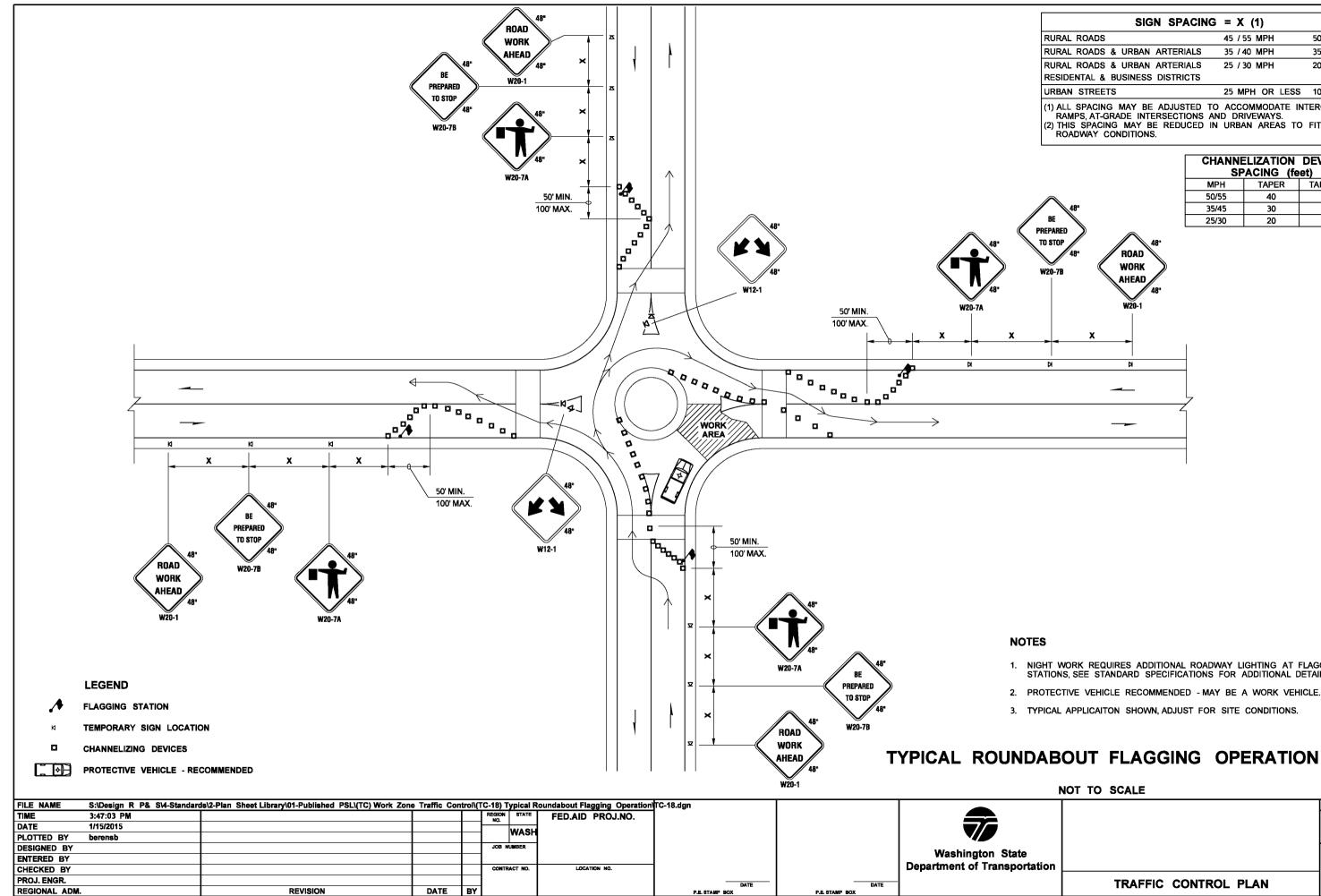
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SIGN SPACING	= X (1)	
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
 ALL SPACING MAY BE ADJUSTED TO RAMPS, AT-GRADE INTERSECTIONS AN THIS SPACING MAY BE REDUCED IN ROADWAY CONDITIONS. 	ID DRIVEWAYS.	

CHANNELIZATION DEVICE SPACING (feet)								
MPH	TAPER	TANGENT						
50/70	40	80						
35/45	30	60						
25/30	20	40						

- 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. FOR SPEED LIMIT OF 30 MPH OR LESS USE SIGN W1-3 IN LIEU OF SIGN W1-4.
- 4. MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- 5. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

		Plot 1
		PLAN REF NO
		TC14
State		SHEET
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	TRAFFIC CONTROL PLAN	SHEETS



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SIGN SPACIN	IG = X (1)	
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS RESIDENTAL & BUSINESS DISTRICTS	25 / 30 MPH	200'± (2)
URBAN STREETS	25 MPH OR LESS	100'± (2)
 ALL SPACING MAY BE ADJUSTED RAMPS, AT-GRADE INTERSECTIONS THIS SPACING MAY BE REDUCED ROADWAY CONDITIONS. 	AND DRIVEWAYS.	

CHANNELIZATION DEVICE SPACING (feet)										
MPH	TAPER	TANGENT								
50/55	40	80								
35/45	30	60								
25/30	20	40								

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

Plot 1 PLAN REF NO TC18 **SHEET** OF TRAFFIC CONTROL PLAN SHEETS

BUFFER DATA	ліміми	IM S	SIGH1	DIST	ANCI SIGH	E DA T D	ATA ISTA	NCE	= 5
LONGITUDINAL BUFFER SPACE = B	ed limit	25	30	35 40	45	50	55		65
	TANCE EET	155	200	250 305	360	425	495	570 6	645
WORK ZONE CONDITION (SEE CONDITION GUIDANCE)	ANCES SHOW	IN ARE	MINIMUM	S, USE ADD	ITIONAL	DISTAN	NCE WHE	N POSSIB	LE.
A - ALLOWED, VEHICLE *1 REQUIRED, ALL OTHER DEVICES OPTIONAL. B - ALLOWED, VEHICLE *1 AND *2 REQUIRED, CONSIDER USE OF SPOTTER, DEVICES AND LC C - NOT RECOMMENDED CONSIDER MOBILE OR STATIONARY TCP'S.	OW VOLUM	ME WC	IRK HO	URS.					
NOTES: 1. STOPPING TRAFFIC FOR UP TO 20 MINUTES MAY ALSO BE ALLOWED. (CONTACT & COORDINATE WITH REGION TRAFFIC OFFICE) 2. IF NO TMA IS AVAILABLE, A WORK VEHICLE MAY STRATEGICALLY LOCATED TO SHIELD	WORK A	REA.							
									4
VARIES VARIES SEE SIGHT DISTANCE CHART DISTANCE CHART DISTANCE CHART DISTANCE CHART	30' MIN	[O] N - 10			<u> </u>	D ARE A			
	30' MIN		0' MAX	-	<u> 2</u> к	AREA			•
VARIES VARIES SEE SIGHT DISTANCE CHART R4-1	30' MIN			-	<u> </u>	AREA			
WARIES WITH STANCE DISTANCE UISTANCE CHART Image: See Chart on This sheet ROAD W20-1		<u>N - 10</u>		-	GEND	ARE A			•
VARIES BUFFER SPACE DISTANCE SEE SIGHT Image: Chart DISTANCE CHART Image: Chart on this sheet ROAD W20-1 WORK 48" x 48" PREPARED B/O OR PASS		<u>N - 10</u>	WAF	- LE(GEND CON -	ARE A	IRED		•
WARIES VARIES SEE SIGHT DISTANCE CHART DISTANCE DISTANCE BE BE W20-7B 48" x 48" BE BK BE BK BE BK BIO OR NOT PASS		<u>N - 10</u>	WAF		GEND CON - N - TRI		IRED		•
VARIES SEE SIGHT DISTANCE CHART WORK AHEAD B/O DISTANCE CHART W20-1 W20-1 W20-1 W20-7 BE PREPARED B/O DISTANCE CHART W20-7 BE PREPARED DISTANCE CHART ON THIS SHEET W20-7 B/U B/U B/U B/U B/U B/U B/U B/U		☆ 人	WAF SIGN CHA TRU		GEND CON - N - TRI G DEVIC		IRED		MENC
VARIES SEE SIGHT DISTANCE CHART W20-1 WORK AHEAD B/O B/O B/O B/O B/O C C C C C C C C C C C C C		 N - 10 	WAF SIGN CHA TRU (PCM PRO	LEC NING BEA LOCATIO NNELIZING CK MOUNT SOPTION TECTIVE N	GEND CON - N - TRI G DEVIC TED AT VAL)			RECOM	MEND
Warles Buffer space distance SEE SIGHT Image: See Chart DISTANCE CHART Image: See Chart on This sheet WORK 48" x 48" AHEAD B/O OPTIONAL Image: See Chart on This sheet		× ↓ □	WAF SIGN CHA TRU (PCM BE A	LEC NING BEA LOCATIO NNELIZING CK MOUNT AS OPTION	GEND CON - N - TRI G DEVIC TED AT VEHICLE			RECOM	MEND



WSDOT Work Zone Traffic Control Guidelines for Maintenance Operations M 54-44.05 December 2014

WORK ZONE CONDITION (SEE CONDITION GUIDANCE)

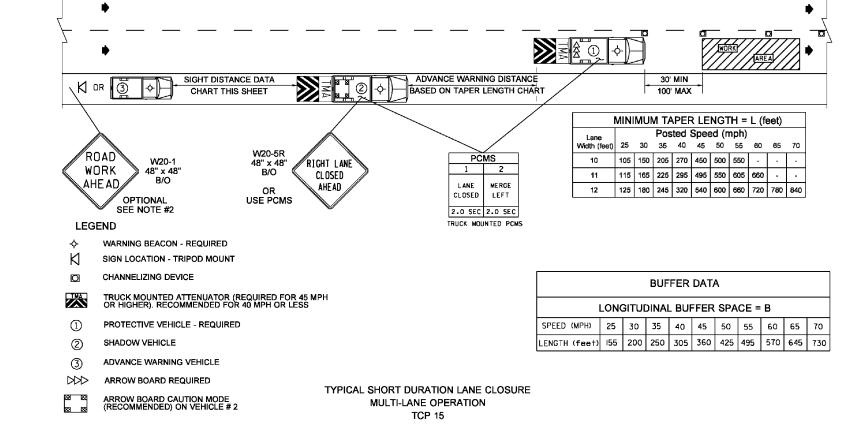
NOTES:

A - ALLOWED, VEHICLE #1 REQUIRED, ALL OTHER DEVICES OPTIONAL

C - NOT RECOMMENDED, CONSIDER MOBILE OR STATIONARY TCP'S.

 VEHICLE #3 MAY BE NEEDED BASED ON TRAFFIC VOLUMES.
 RESTRICTED SIGHT DISTANCE REQUIRES ADDITIONAL ADVANCE WARNING DEVICES OR SIGNS, SEE SIGHT DISTANCE CHART.
 REFER TO BUFFER DATA CHART FOR ADDITIONAL INFORMATION.

B - ALLOWED, VEHICLE #1 AND #2 REQUIRED, CONSIDER USE OF SPOTTER, DEVICES.



M	NIMU		ght i Topp				••	CE = 3	s	
SPEED LIMIT MPH	25	30	35	40	45	50	55	60	65	70
DISTANCE FEET	155	200	250	305	360	425	495	570	645	730
DISTANCES SHO	N ARE	MINIMU	JMS, US	E ADDI	TIONAL	DISTAN	ICE WHE	N POSS	IBLE.	

M		SIGH				E D/		CE =	= S		
SPEED LIMIT MPH	25	30	5	40	45	50	55	60	65	70	
DISTANCE FEET	155	200 2	50	305	360	425	495	57	0 645	730	
DISTANCES SHD	IWN ARE	MINIMUMS	, USI	E ADDI	TIDNAL	L DISTA	NCE WHE	EN PO	551BLE.	1	
WOR					•					NCE))
A - ALI B - ALI										DEV	ICES RECOMMENDED, CONSIDER TMA AND/OR PCMS/ARROW CAUTION MODE.
											AND PCMS/ARROW RECOMMENDED, CONSIDER TMA.
NOTES											
											VAL ADVANCE WARNING DEVICES OR SIGNS, SEE SIGHT DISTANCE CHART.
REQ	UIRE	S LANE	CL	LOSU	JRE,	USE	тср ′	14 C	OR 15.		
3. REF					_					-	BE STRATEGICALLY PLACED TO SHIELD WORK AREA.
4. IF N		A 15 A	AI								VAY EXAMPLE REPRESENTS TYPICAL LOCATION.
	о	PTION	AL	LOC		N MA	Y BE	- LE			GHT SHOULDERS, MEDIAN, GORE AREA, OR SHOULDER ON MULTI-LANE ROADWAY
•											
			_				_		_		
			-				-		_		
•			-				-		_		
•	. <u>-</u>		-						_		
 	_	ARIES		CHAR							
	_	ARIES	- CE (CHAR	Т			TMA			
K i see s	_		- CE (CHAR	Т			TMA			
KI- SEE S	_			CHAR	Т			TMA			
								ТМА			30' MIN-100' MAX FOR TMA
K- SEE S WORKERS			100					TMA			30' MIN-100' MAX FOR TMA
			100					TMA			30' MIN-100' MAX FOR TMA
WORKERS W21-1	S			ULDER DRK 21-5				TMA			Sor TMA Sor TMA Sor TMA LEGEND WORK VEHICLE W/ WARNING BEACC
WORKER: W21-1 48" x 48	S		10U WO W2	LDER IRK 21-5 x 48				TMA			30' MIN-100' MAX FOR TMA LEGEND Image: Sign Location - (see note 1) Image: Channelizing Device
WORKERS W21-1 48" x 46 B/O	S S S S	DISTAN	10U WO WO W2	21-5 x 48' 3/0				TMA			30' MIN-100' MAX FOR TMA LEGEND SIGN LOCATION - (SEE NOTE 1) CHANNELIZING DEVICE S SPOTTER
WORKER: W21-1 48" x 48	S B" C	DISTAN SI DR APPRO		ULDER DRK 21-5 x 48' 3/0 IATE				TMA			30' MIN-100' MAX FOR TMA LEGEND Image: Sign Location - (see note 1) Image: Channelizing Device
WORKERS W21-1 48" x 46 B/O OR OTI ADVAN	B" C		IOU WO W2 48" B PRI G S	LDER DRK 21-5 × 48' 3/O IATE SIGN			-	TMA			Sign Location - (see note 1) CHANNELIZING DEVICE S SPOTTER ARROW BOARD TYPE "B" (CAUTION MODE)
WORKERS W21-1 48" x 46 B/O OR OTI	B" C		IOU WO W2 48" B PRI G S	LDER DRK 21-5 × 48' 3/O IATE SIGN				TMA			30' MIN-100' MAX FOR TMA LEGEND SIGN LOCATION - (SEE NOTE 1) CHANNELIZING DEVICE S SPOTTER ARROW BOARD TYPE "B"

WSDOT Work Zone Traffic Control Guidelines for Maintenance Operations M 54-44.05 December 2014

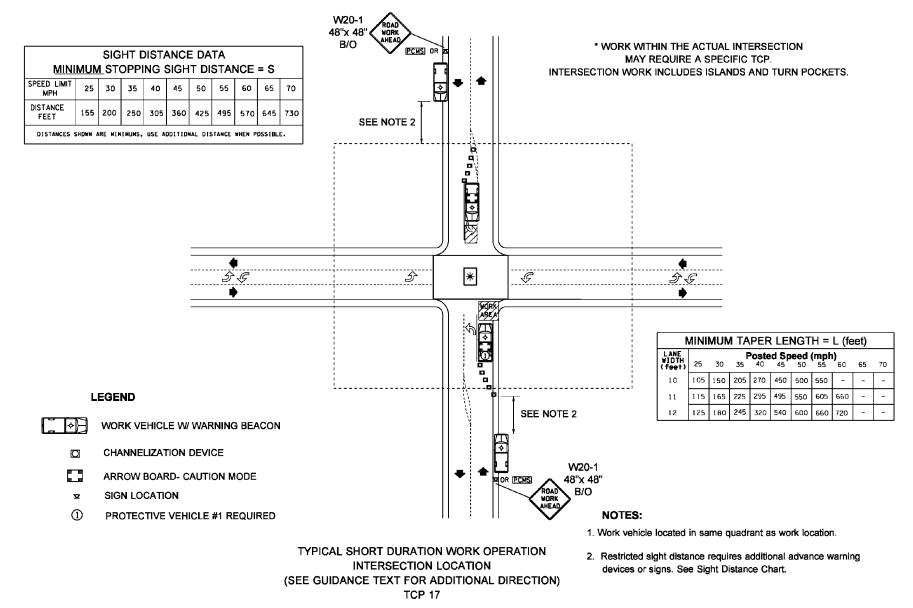
Chapter 3

WORK ZONE CONDITION (SEE CONDITION GUIDANCE)

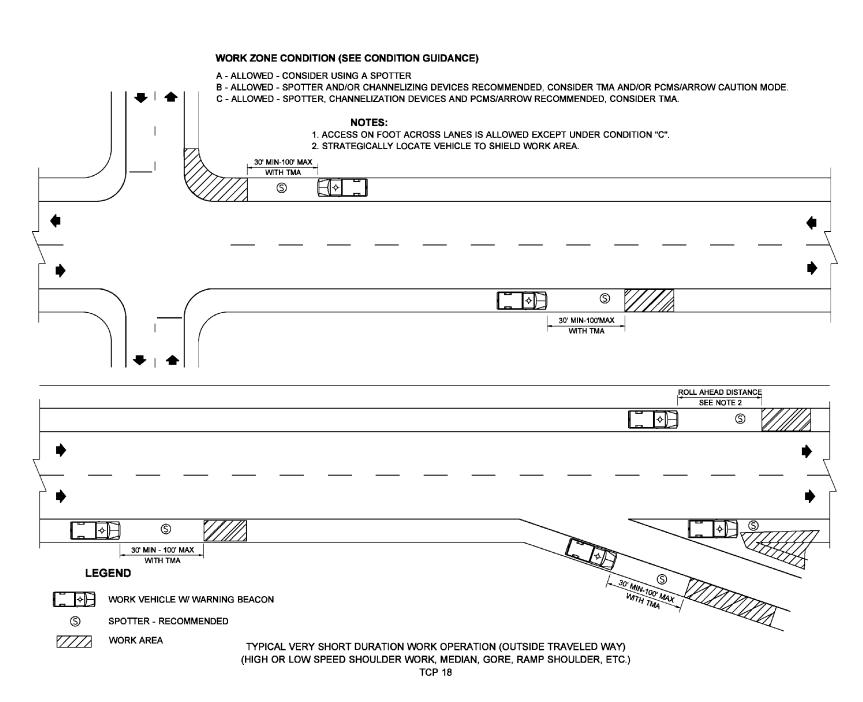
A - ALLOWED - CONSIDER USING A SPOTTER, WORK VEHICLE REQUIRED.

B - ALLOWED - SPOTTER AND/OR CHANNELIZING DEVICES RECOMMENDED, CONSIDER TMA AND/OR PCMS/ARROW CAUTION MODE.

C - ALLOWED - CHANNELIZATION DEVICES AND PCMS/ARROW (CAUTION MODE), TMA AND SPOTTER RECOMMENDED, VEHICLE #1 REQUIRED.



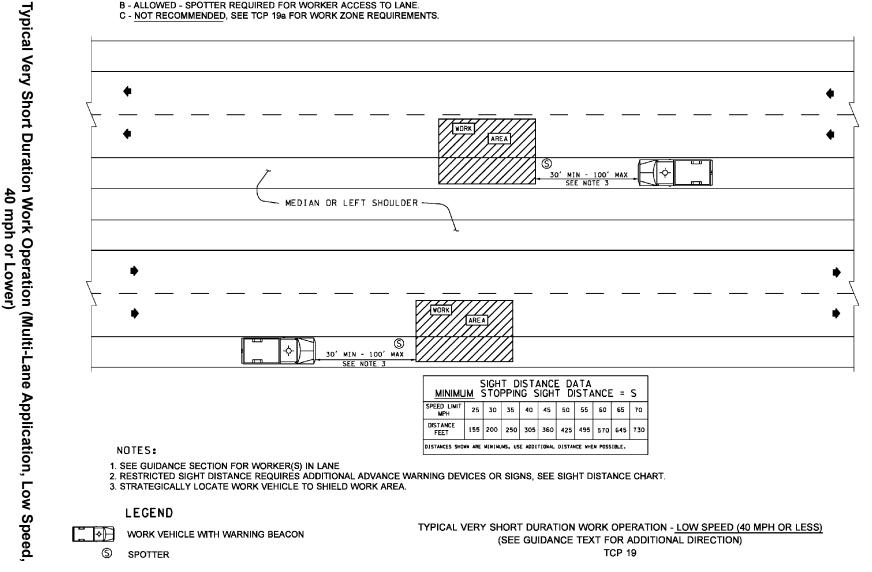




BUFFER DATA	MINIML	S JM S	SIGHT STOPF	DIST. PING S	ANCI SIGH	E DA T DI	ΑΤΑ ISTA	NCE	= S
	SPEED_LIMIT	25	30 3	5 40	45	50	55	60 G	5
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70	MPH					30			-
ENGTH (feet) 155 200 250 305 360 425 495 570 645 730	DISTANCE FEET	155	200 2	50 305	360	425	495	570 64	15
WORK ZONE CONDITION (SEE CONDITION GUIDANCE)	DISTANCES SHO	WN ARE	MINIMUMS,	USE ADDI	TIONAL	DISTAN	ICE WHE	N POSSIBL	Ξ.
A - ALLOWED, VEHICLE #1 REQUIRED, ALL OTHER DEVICES OPTIONAL. B - ALLOWED, VEHICLE #1 AND #2 REQUIRED, CONSIDER USE OF SPOTTER, DEVICES AND C - NOT RECOMMENDED CONSIDER MOBILE OR STATIONARY TCP'S.	D LOW VOLU	IME WO	RK HOU	RS.					
NOTES: 1. STOPPING TRAFFIC FOR UP TO 20 MINUTES MAY ALSO BE ALLOWED. (CONTACT & COORDINATE WITH REGION TRAFFIC OFFICE) 2. IF NO TMA IS AVAILABLE, A WORK VEHICLE MAY STRATEGICALLY LOCATED TO SHIN	ELD WORK #	AREA.							
				ō –		2			
		<u> </u>		IO	477	ARE A			•
VARIES U VARIES U SEE SIGHT U DISTANCE CHART U	30' MI		0' MAX _	7722	477				•
VARIES VARIES SEE SIGHT SEE SIGHT SEE CHART ON THIS SHEET	0 30' MI			WOR	477				•
VARIES SEE SIGHT DISTANCE CHART W20-7B W20-7B W20-7B W20-7B CHART DO CHART CH	<u>30' MI</u>			WOR	SEND	AREA			
WARIES WITH SPACE DISTANCE USTANCE CHART Image: State of the sta	30' MI	N - 10	WARN	LEG	GEND	AREA	RED		
VARIES SEE SIGHT DISTANCE CHART DISTANCE CHART W20-7B SHEET 48" x 48" B/O WORK 48" x 48" B/O OR USE PCMS	<u>30' MI</u>	<u>N - 10</u>	WARN		GEND CON - I N - TRI		RED		•
VARIES DISTANCE CHART WORK 48" x 48" AHE AD B/O OPTIONAL OR		× ∧	WARN SIGN I CHAN TRUC	LEG ING BEAN OCATION			RED		
WARIES ULU U BUFFER SPACE DISTANCE SEE SIGHT Image: See Chart on This Sheet DISTANCE CHART Image: See Chart on This Sheet ROAD W20-1 WORK 48" x 48" B/O B/O NOT PREPARED B/O OR USE PCMS		<u>× - 10</u> ↔	WARN SIGN I CHAN TRUC (PCMS PROT	LEG ING BEAN OCATION NELIZING MOUNT OPTION ECTIVE V	GEND CON - TRI S DEVIC TED AT IAL) TEHICLI	REQUI POD M CE TENUA E - REQ		RECOMM	
VARIES BUFFER SPACE DISTANCE VARIES Image: Constraint of the set of the		× 10	WARN SIGN I CHAN TRUC (PCMS PROT BE A 1	LEG	GEND CON - CON - CON - TRI G DEVIC TED AT TAL) TEHICLE	REQUI POD M CE TENUA E - REC		RECOMM	



WSDOT Work Zone Traffic Control Guidelines for Maintenance Operations M 54-44.05 December 2014



WORK ZONE CONDITION (SEE CONDITION GUIDANCE)

A - ALLOWED - CONSIDER USING A SPOTTER

- B ALLOWED SPOTTER REQUIRED FOR WORKER ACCESS TO LANE.
- C NOT RECOMMENDED, SEE TCP 19a FOR WORK ZONE REQUIREMENTS.

TCP 19

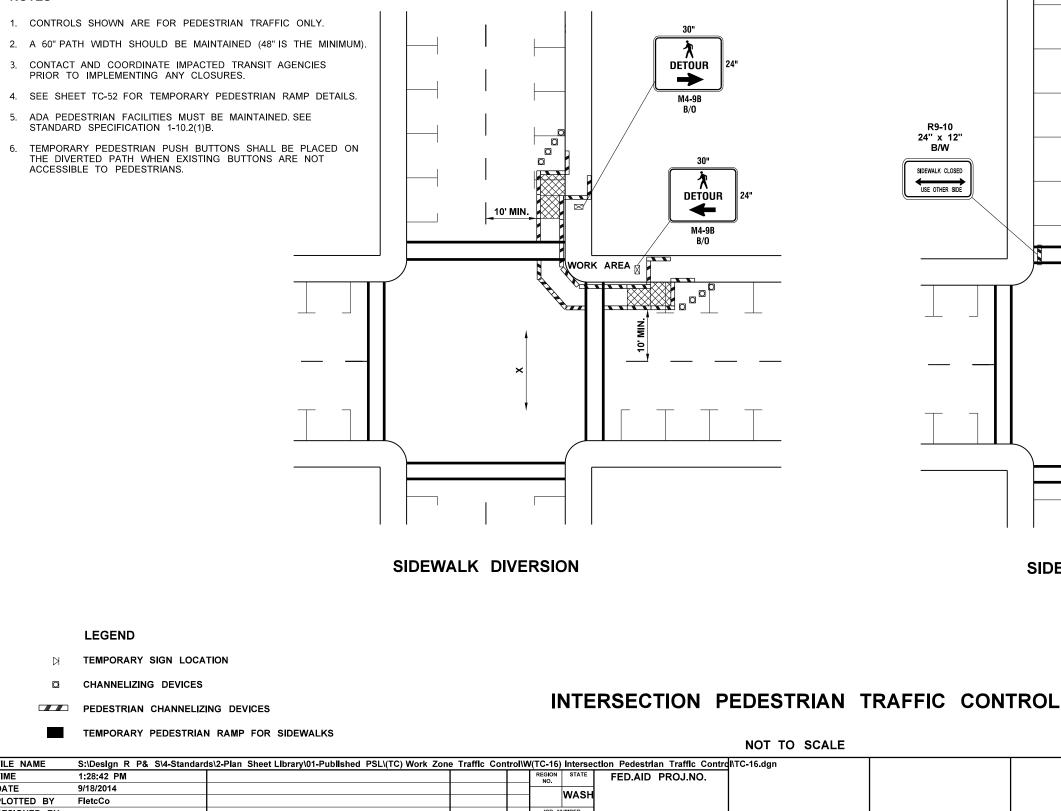
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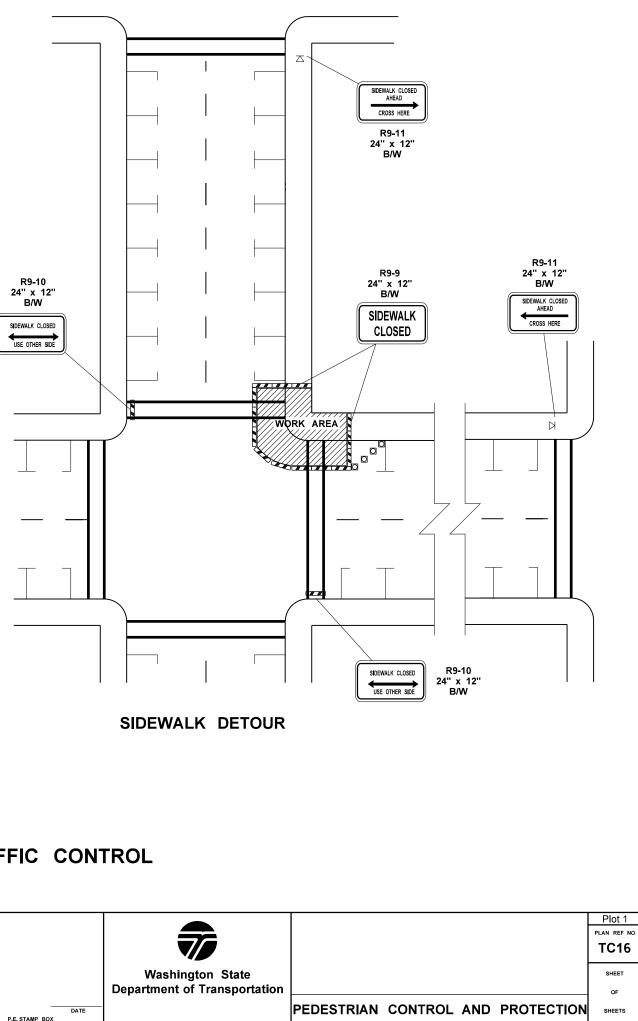
Short Duration Work Zones



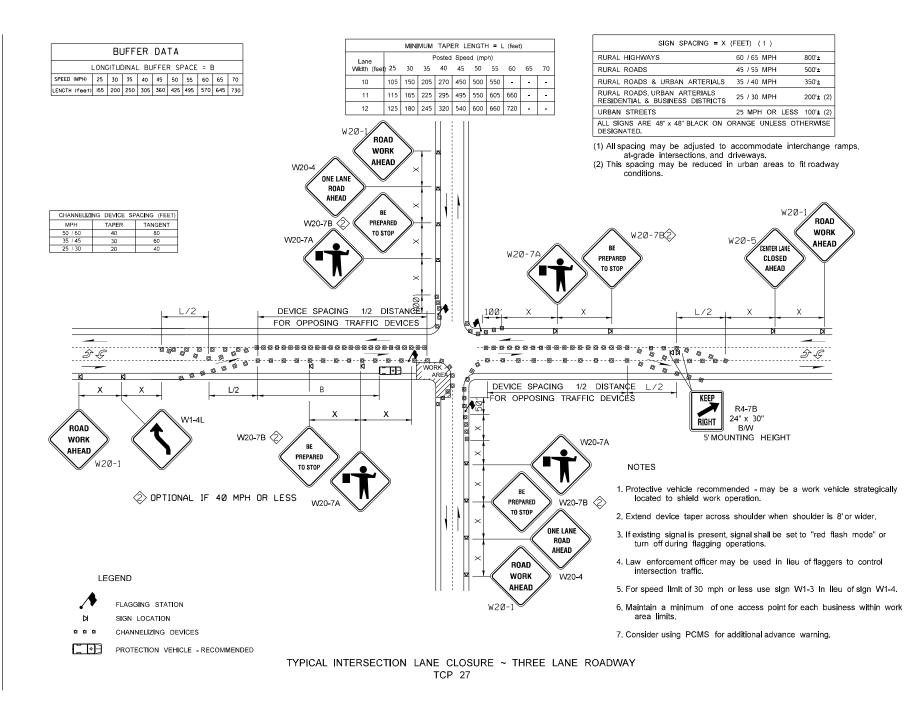
INSTALL ON TYPE 2 BARRICADES THROUGHOUT THE WORK AREA 24 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL. PRIOR NOTIFICATION OF LOCAL LAW ENFORCEMENT REQUIRED.

NOTES





FILE NAME	S:\Design R P& S\4-Standard	ds\2-Plan Sheet Llbrary\01-Published PSL\(TC) Work Zon	e Traffic Co	ntrol\W	V(TC-16)	Interse	ction Pedestrian Traffic Contro	I\TC-16.dgn		
TIME	1:28:42 PM				REGION	STATE	FED.AID PROJ.NO.	1		
DATE	9/18/2014					WASH				
PLOTTED BY	FletcCo					WASH				
DESIGNED BY					JOB N	UMBER				Weehington St
ENTERED BY										Washington Sta
CHECKED BY					CONTR	ACT NO.	LOCATION NO.			Department of Transp
PROJ. ENGR.								DATE	DATE	
REGIONAL ADM.		REVISION	DATE	BY	1			P.E. STAMP BOX	P.E. STAMP BOX	
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Chapter 5

Intersection Operations