

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH			< 45 MPH	45-55 MPH	> 55 MPH			
100'	123'	172'			74'	100'	150'			
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

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	25 / 30 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ± (2)

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

MINIMUM TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	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	-

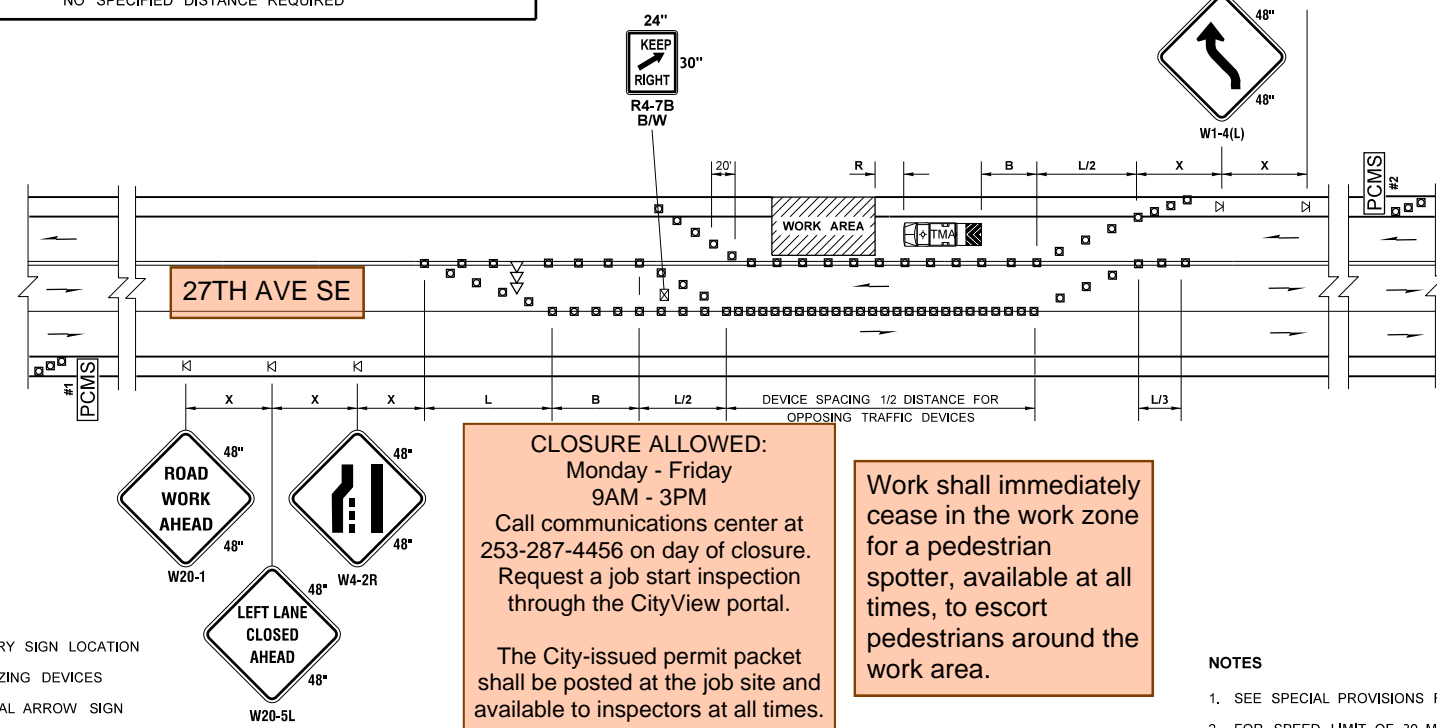
CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/60	40	80
35/45	30	60
25/30	20	40

PCMS #1	
1	2
LEFT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.

PCMS #2	
1	2
LANE SHIFTS LEFT	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE OF TEMPORARY SIGNS.



**CLOSURE ALLOWED:**  
Monday - Friday  
9AM - 3PM  
Call communications center at 253-287-4456 on day of closure. Request a job start inspection through the CityView portal.  
The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

**LANE SHIFT - THREE LANE ROADWAY**

NOT TO SCALE

FILE NAME	S:\Design R P& S\4-Standards\2-Plan Sheet Library\01-Published PSL(TC) Work Zone Traffic Control(TC-12) Lane Shift - Three Lane Roadway(TC-12).dgn	REGION NO.	STATE	FED.AID PROJ.NO.	<p>Washington State Department of Transportation</p>	Plot 1
TIME	2:34:58 PM	WASH				PLAN REF NO TC12
DATE	1/2/2018	JOB NUMBER			SHEET OF SHEETS	
PLOTTED BY	liddelf	CONTRACT NO.		LOCATION NO.		
DESIGNED BY						
ENTERED BY						
CHECKED BY						
PROJ. ENGR.						
REGIONAL ADM.	REVISION	DATE	BY			TRAFFIC CONTROL PLAN

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11' travel lane width shall be maintained at all times. Otherwise, City TCP standard 7 shall be implemented.

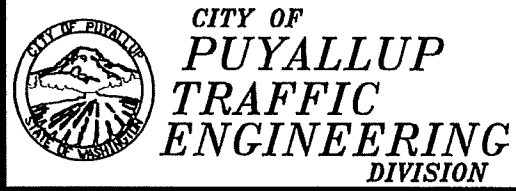
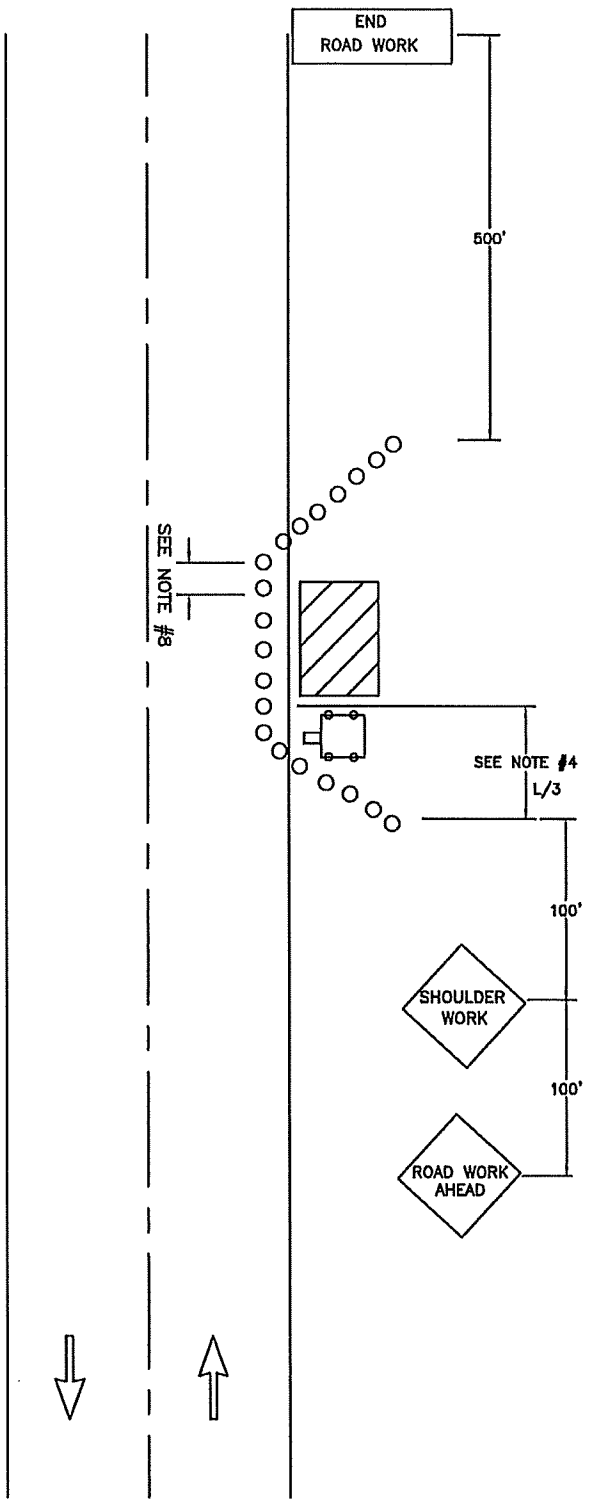
Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

NAME OF STREET:

27TH AVE SE

**NOTES:**

- 1 FOR SHOULDER WORK ZONES
  - 2 VEHICLE TO PROTECT WORKZONE
  - 3 TRAFFIC CONTROL DEVICES SHALL BE 28" RETROREFLECTIVE CONES
  - 4 TAPER LENGTH EQUALS WIDTH OF OFFSET TIMES SPEED LIMIT SQUARED DIVIDED BY 60
- $$L = \frac{WS^2}{60}$$
- 5 SIGN SPACING SHALL BE 100 FEET WHEN SPEED LIMIT IS 30 MPH OR LESS
  - 6 SIGN SPACING SHALL BE 350 FEET WHEN SPEED LIMIT IS GREATER THAN 30 MPH
  - 7 CALL COMM CENTER DAY OF CLOSURE 841-5431
    - 7.1 CLOSURE FOR WEEKDAYS ONLY
  - 8 DISTANCE BETWEEN CONES EQUALS SPEED LIMIT IN UNITS OF FEET
  9. TRAVEL LANE WIDTH MUST BE 11'(FT) MINIMUM



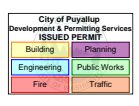
**SHOULDER CLOSURE**

DRAWN J. HUNTER	PLOTTING SCALE NTS/ 1=1	DATE APPROVED 04-03	REVISED 02/10/11	TCP STANDARD
FILE NAME I:\DRAWINGS\PUBLIC WORKS\TRAFFIC\TCP	CHECKED BY M. FORD	REVISED BY S. TANDLE	NO. 11	

**CLOSURE ALLOWED:**  
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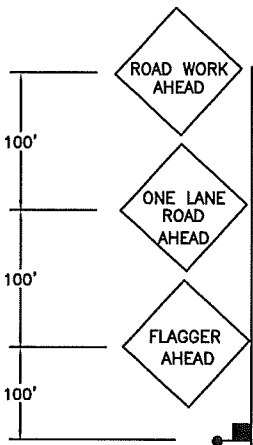
If 11' travel lane width can be maintained, use City TCP standard 11. Otherwise, TCP standard 7 shall be implemented.

Work shall immediately cease in the work zone for a pedestrian spotter, available at all times, to escort pedestrians around the work area.

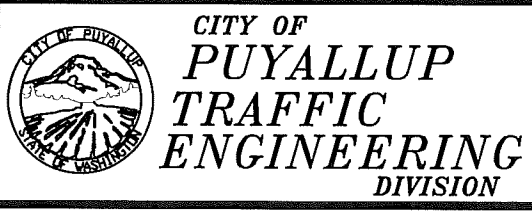
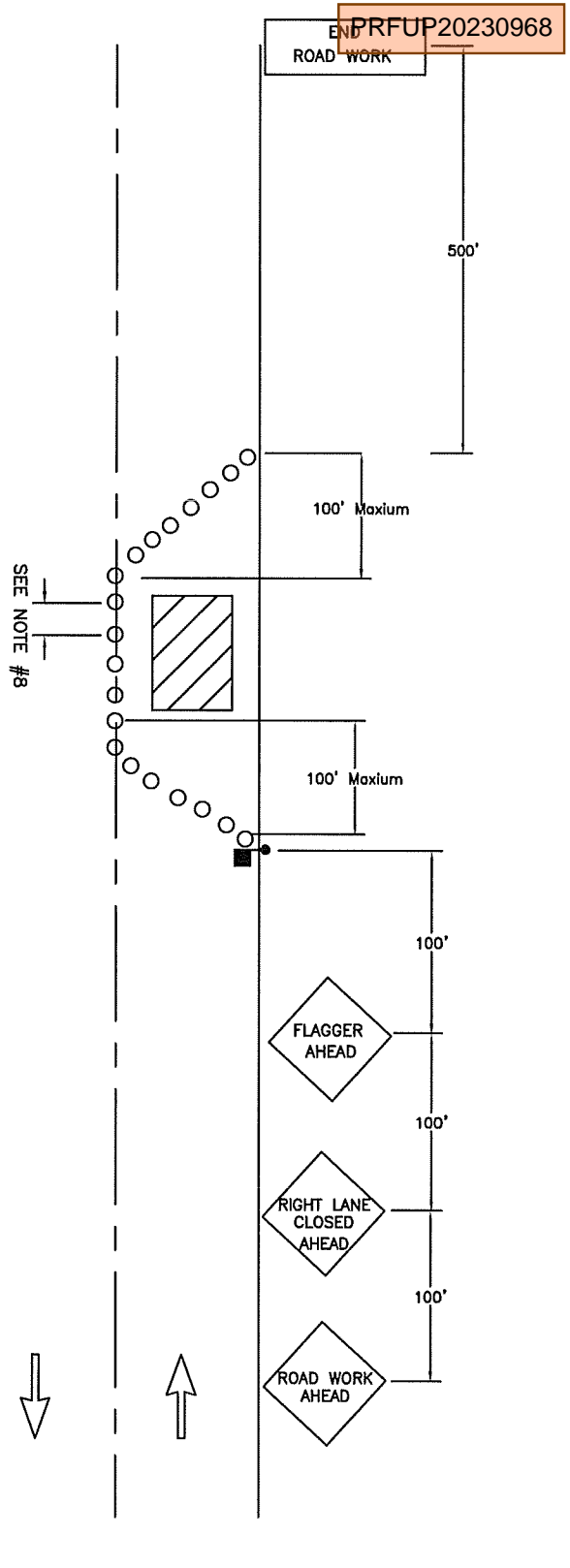


**NOTES:**

- 1 FOR TWO-WAY TRAFFIC WORK ZONES
- 2 FLAGGERS SHALL REMAIN IN RADIO CONTACT AT ALL TIMES
- 3 TRAFFIC CONTROL DEVICES SHALL BE 28" RETROREFLECTIVE CONES
- 4 USE "BE PREPARED TO STOP" SIGN BETWEEN "FLAGGER AHEAD" AND "LANE CLOSED AHEAD" SIGNS ON HIGH VOLUME ROADS, SUCH AS: 43RD AVE SE, 9TH ST SW, 5TH ST SW, SHAW RD, AND OTHER STREETS WITH COMPARABLE VOLUMES
- 5 SIGN SPACING SHALL BE 350 FEET WHEN SPEED LIMIT IS GREATER THAN 30 MPH
- 6 SIGN SPACING SHALL BE 100 FEET WHEN SPEED LIMIT IS 30 MPH OR LESS
- 7 CALL COMM CENTER DAY OF CLOSURE 841-5431
  - 7.1 CLOSURE FOR WEEKDAYS ONLY
  - 7.2 TIMES: 9:00 AM TO 3:00 PM
- 8 DISTANCE BETWEEN CONES EQUALS SPEED LIMIT IN UNITS OF FEET



NAME OF STREET: 27th Ave SE



LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS				
DRAWN J. HUNTER	PLOTTING SCALE NTS/ 1=1	DATE APPROVED 04-03	REVISED 09-30-09	TCP STANDARD
FILE NAME I:\DRAWINGS\PUBLIC WORKS\TRAFFIC\TCP	CHECKED BY M. FORD	REVISOR S. TANDLE	NO. 7	