

11. PROTECTIVE VEHICLE PERMITTED IF PREVAILING SPEED OF MOTORISTS PASSING IS 40 MPH OR LESS.

10. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC102, SHEET 1.

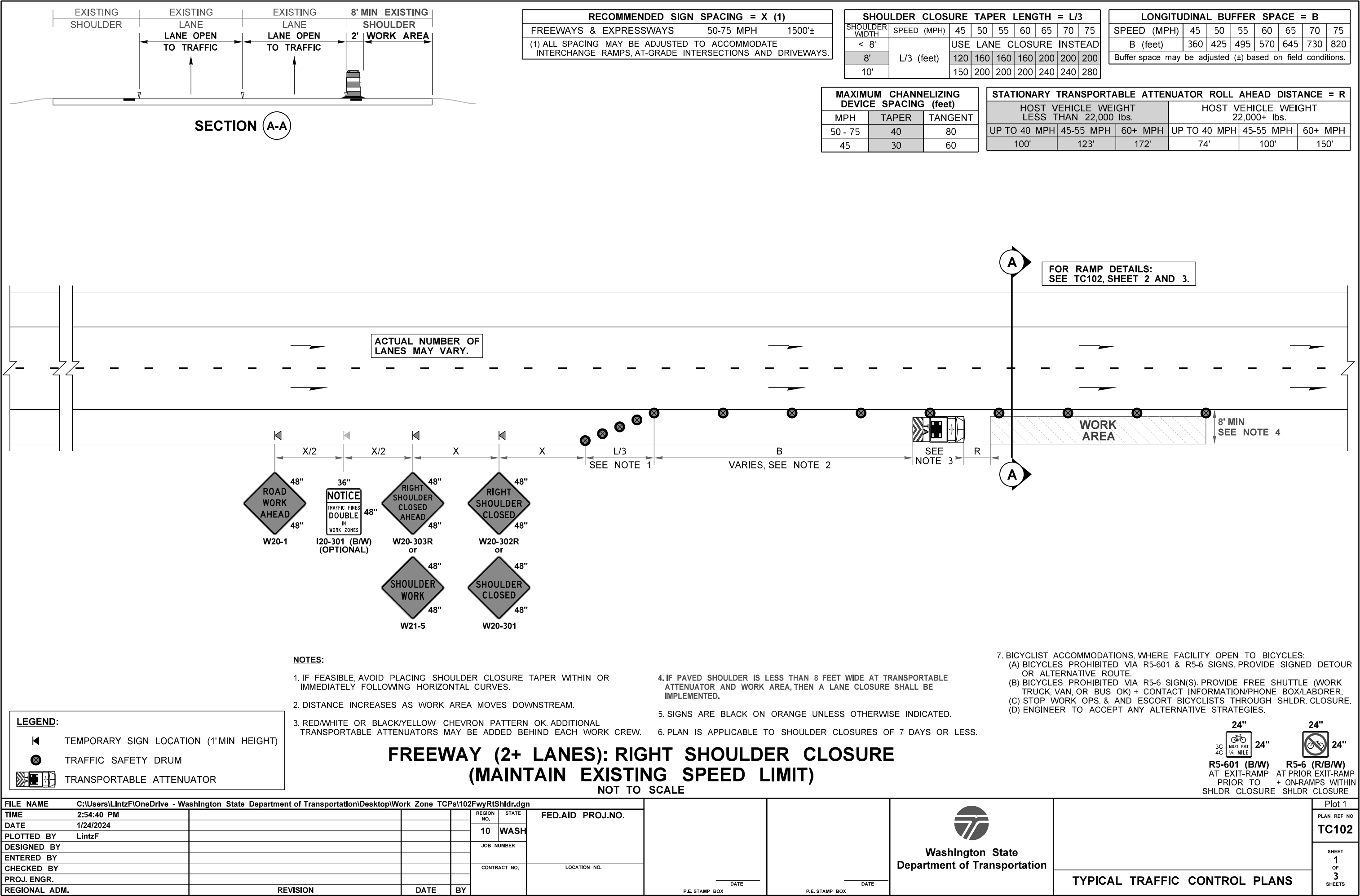


CLOSED LEFT EXIT-RAMP DETAIL
LEFT EXIT-RAMPS ARE TO REMAIN OPEN

FREEWAY (2+ LANES): RIGHT SHOULDER CLOSURE (MAINTAIN EXISTING SPEED LIMIT)
NOT TO SCALE

FILE NAME C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\102FwyRtShldr.dgn										Plot 3	
TIME	2:54:39 PM				REGION NO.	STATE	FED.AID PROJ.NO.			PLAN REF NO.	
DATE	1/24/2024				10	WASH				TC102	
PLOTTED BY	LintzF				JOB NUMBER					SHEET 3 OF 3 SHEETS	
DESIGNED BY											
ENTERED BY											
CHECKED BY											
PROJ. ENGR.					CONTRACT NO.		LOCATION NO.				
REGIONAL ADM.		REVISION	DATE	BY						TYPICAL TRAFFIC CONTROL PLANS	

<div><div></div><div>Washington State Department of Transportation</div></div>	
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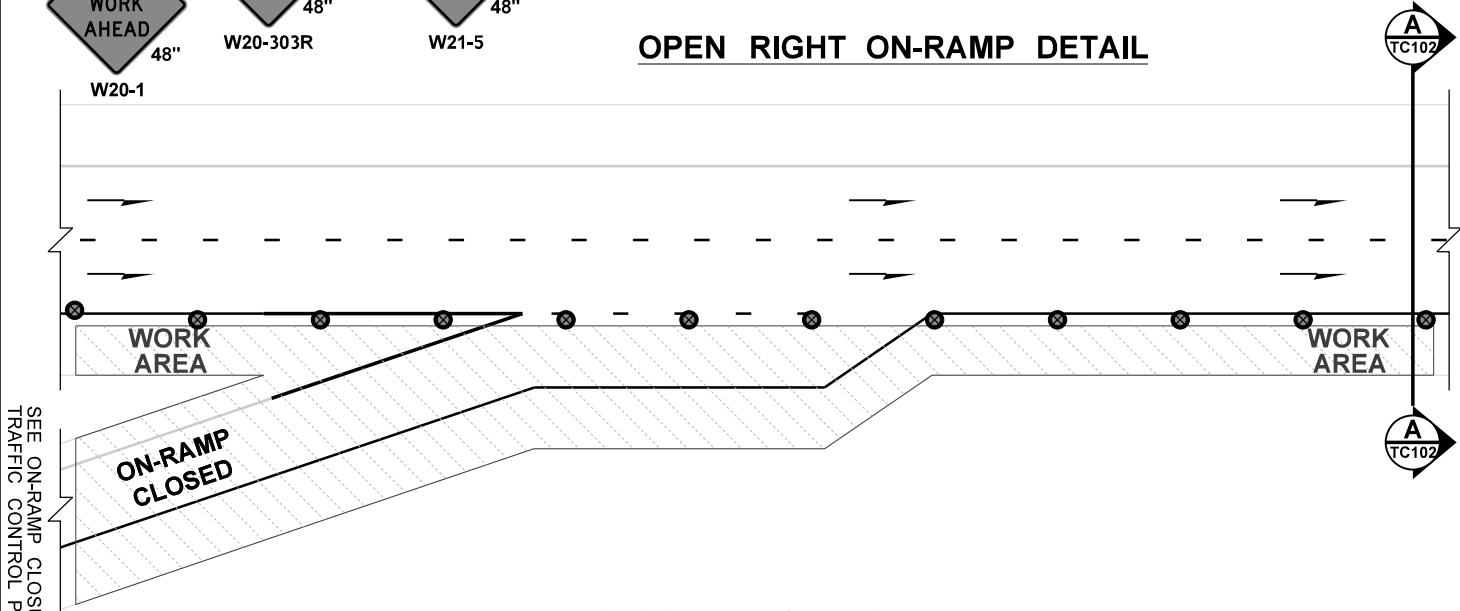
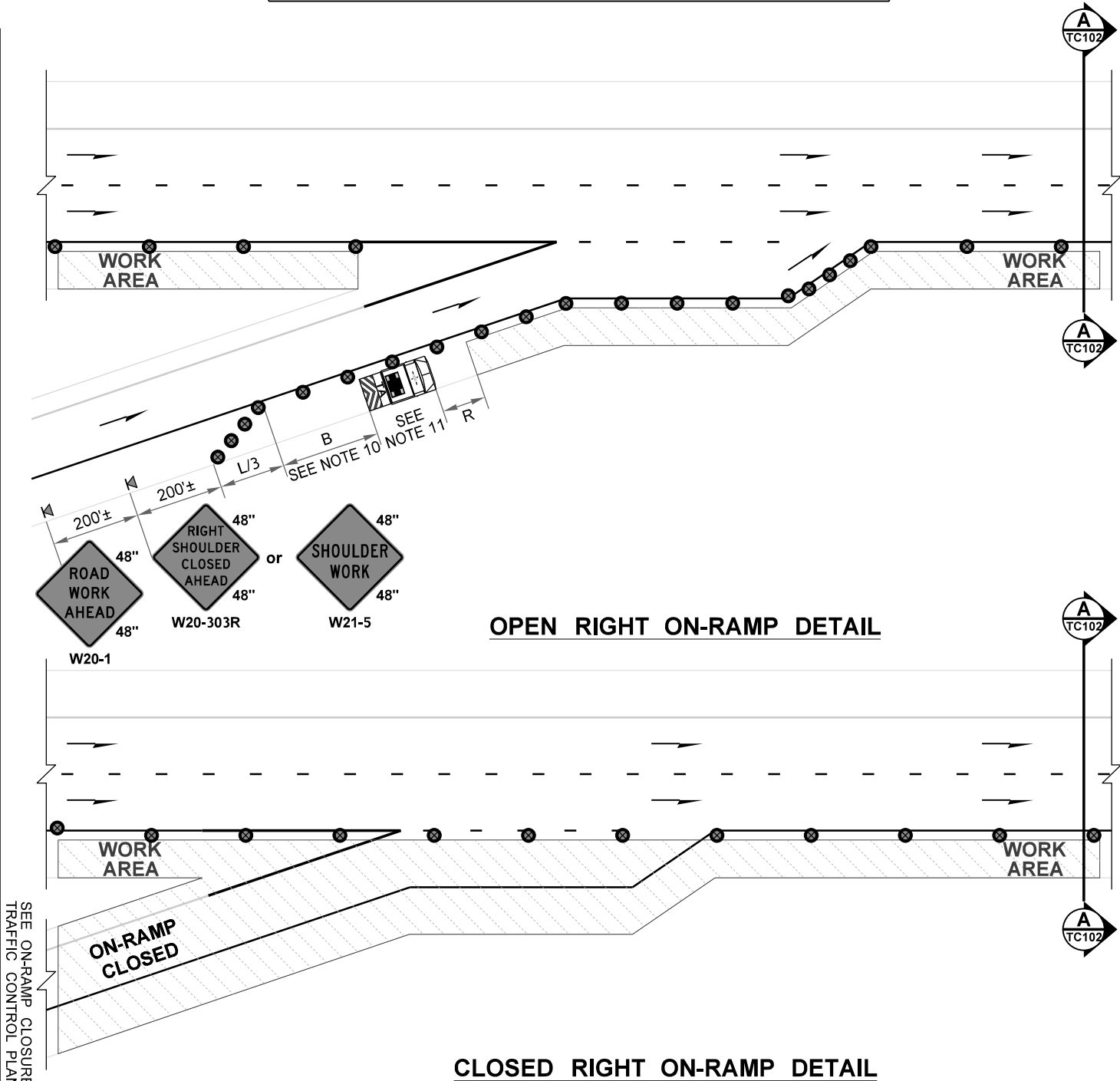
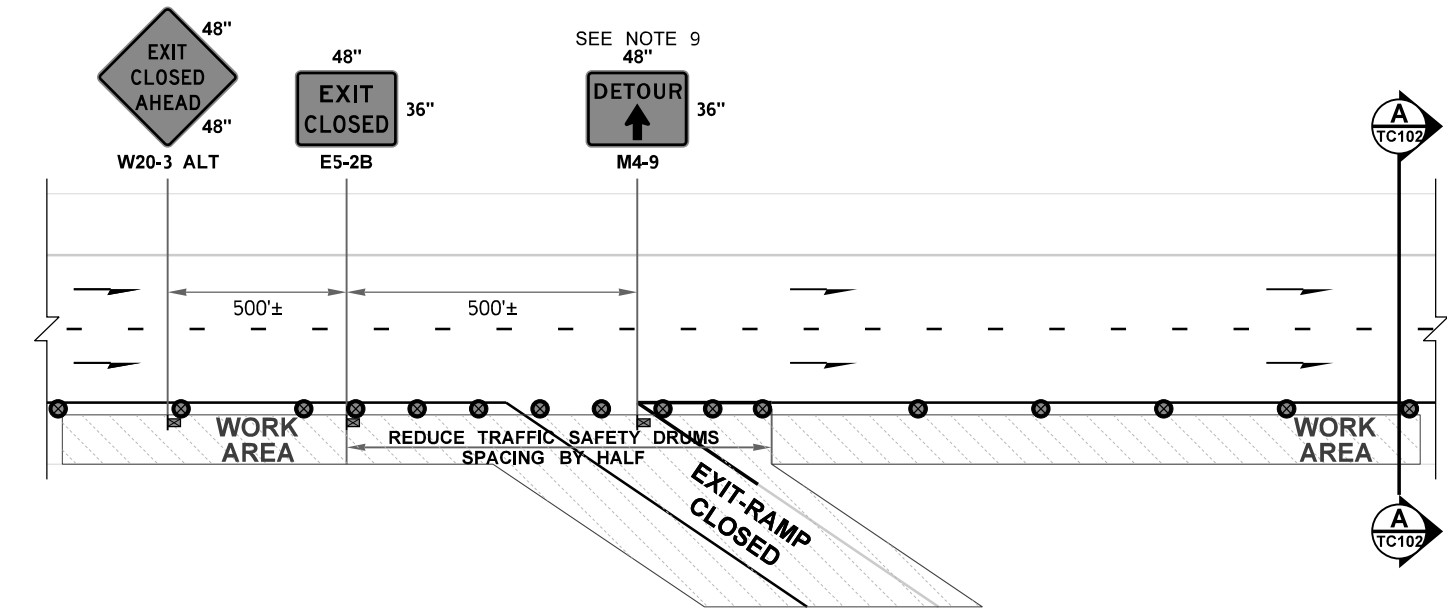
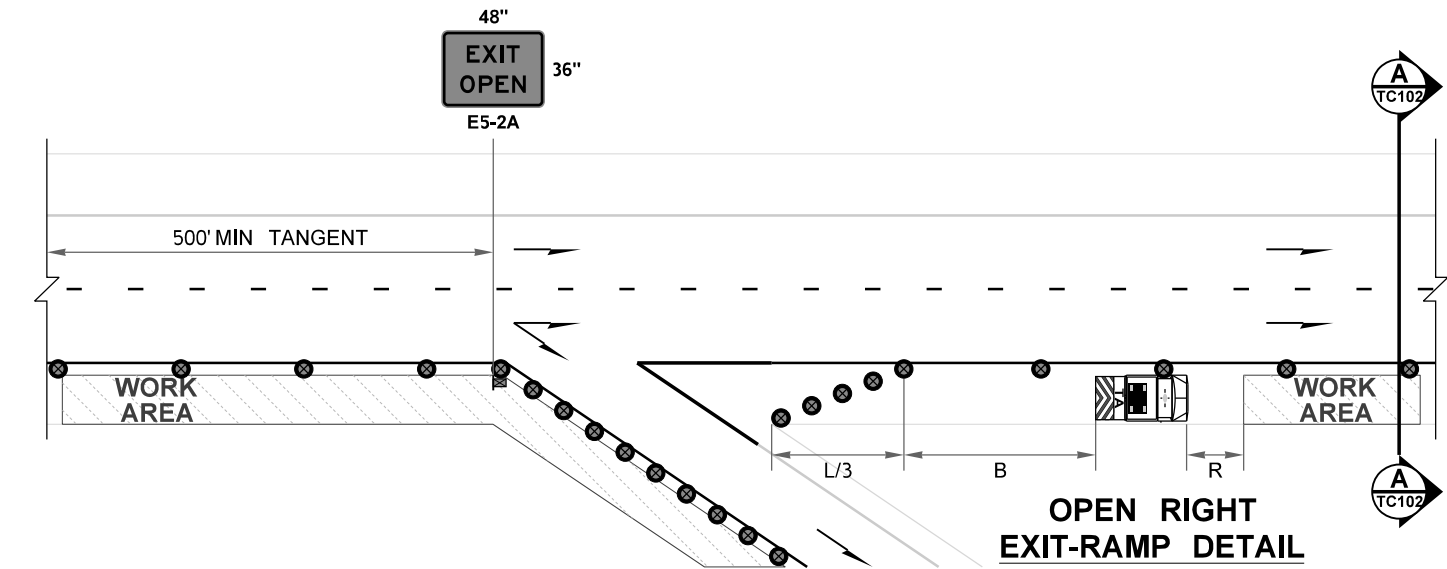


NOTES:

8. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC102, SHEET 1.
9. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.
10. BUFFER SPACE BASED ON PREVAILING SPEED OF MOTORISTS PASSING TRANSPORTABLE ATTENUATOR, TYPICALLY VARIES FROM 20 MPH AT TOP OF ON-RAMP TO POSTED SPEED LIMIT AT GORE TIP.
11. PROTECTIVE VEHICLE PERMITTED IF PREVAILING SPEED OF MOTORISTS PASSING IS 40 MPH OR LESS.

LONGITUDINAL BUFFER SPACE = B												
SPEED (MPH)	20	25	30	35	40	45	50	55	60	65	70	75
LENGTH (feet)	115	155	200	250	305	360	425	495	570	645	730	820
Buffer space may be adjusted (±) based on field conditions.												

PROTECTIVE VEHICLE ROLL AHEAD DISTANCE = R												
STRATEGICALLY POSITION WORK VEHICLE TO PROTECT WORK CREW. 40' - 80' RECOMMENDED.												

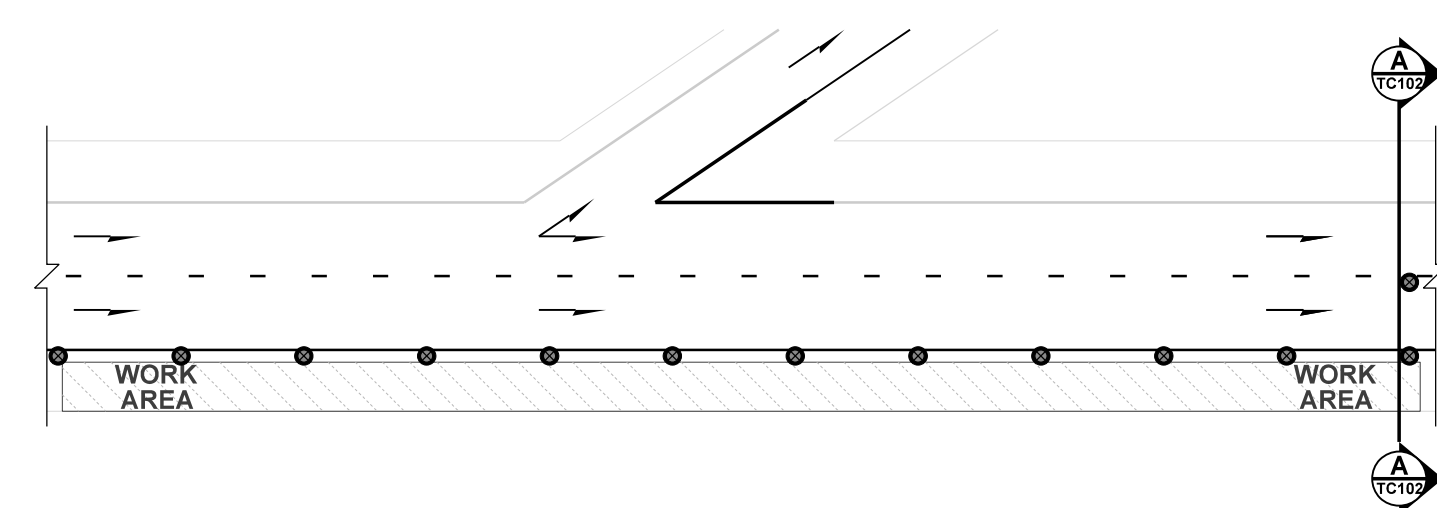


FREEWAY (2+ LANES): RIGHT SHOULDER CLOSURE (MAINTAIN EXISTING SPEED LIMIT)

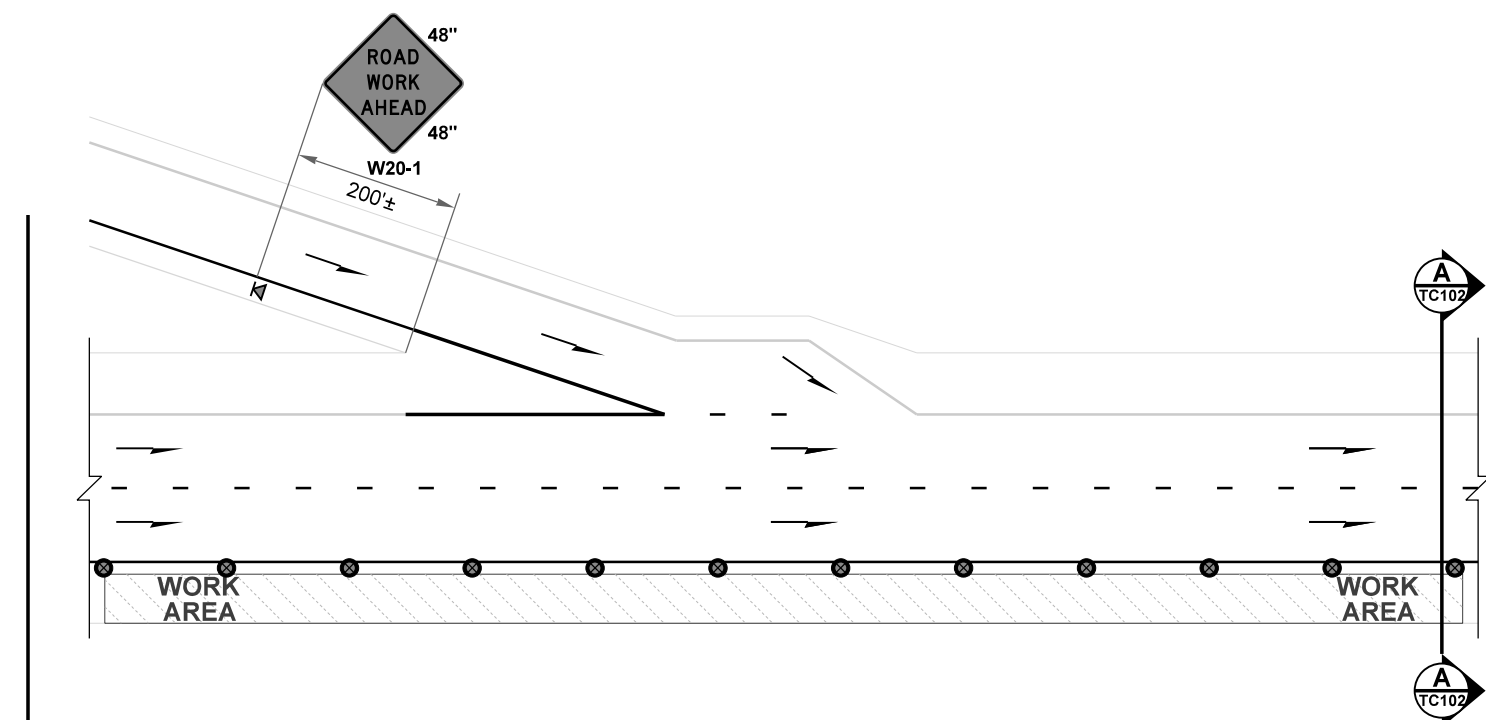
NOT TO SCALE

FILE NAME	C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\102FwyRtShldr.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.		Plot 2
TIME	2:54:40 PM	JOB NUMBER						PLAN REF NO
DATE	1/24/2024	CONTRACT NO.						TC102
PLOTTED BY	LintzF	LOCATION NO.						SHEET
DESIGNED BY								2
ENTERED BY								OF
CHECKED BY								3
PROJ. ENGR.								SHEETS
REGIONAL ADM.		REVISION		DATE	BY	P.E. STAMP BOX	DATE	TYPICAL TRAFFIC CONTROL PLANS

NOTES:
10. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC102, SHEET 1.

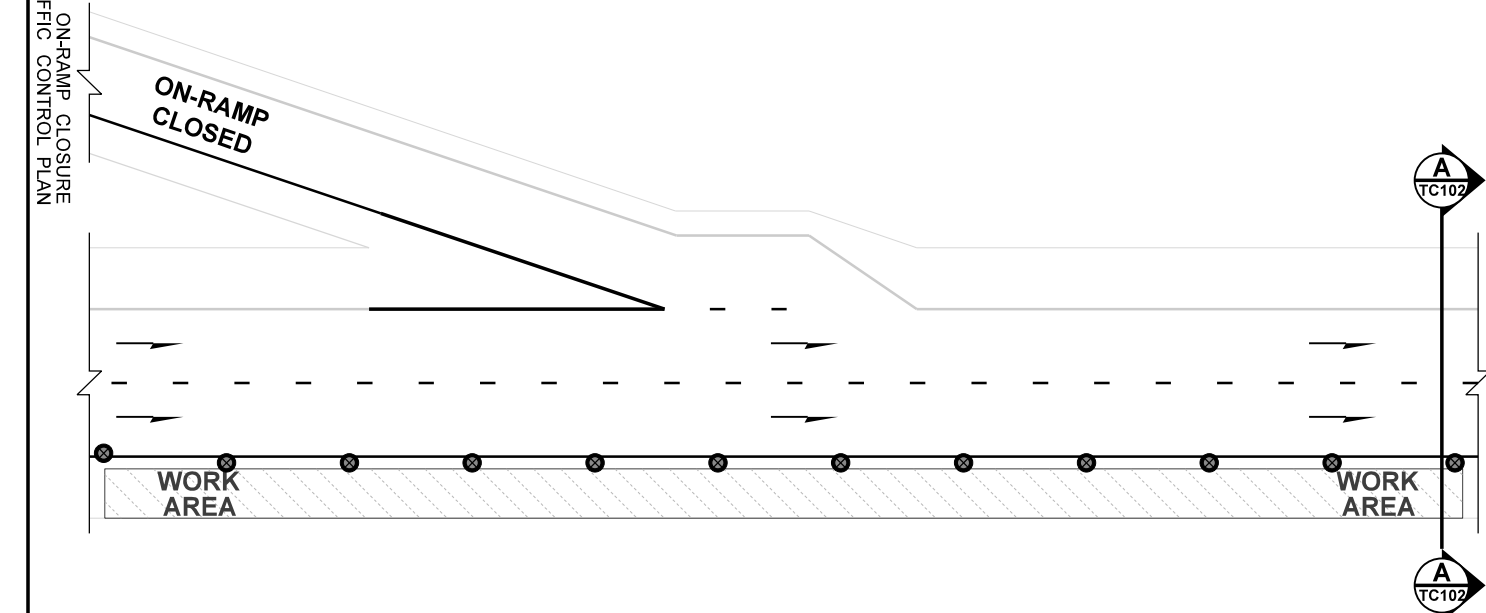


OPEN LEFT EXIT-RAMP DETAIL



OPEN LEFT ON-RAMP DETAIL


SEE ON-RAMP CLOSURE
TRAFFIC CONTROL PLAN



CLOSED LEFT EXIT-RAMP DETAIL
LEFT EXIT-RAMPS ARE TO REMAIN OPEN

CLOSED LEFT ON-RAMP DETAIL

FREEWAY (2+ LANES): RIGHT SHOULDER CLOSURE (MAINTAIN EXISTING SPEED LIMIT)
NOT TO SCALE

FILE NAME		C:\Users\LintzF\OneDrive - Washington State Department of Transportation\Desktop\Work Zone TCPs\102FwyRtShldr.dgn										FED.AID PROJ.NO.		 Washington State Department of Transportation		Plot 3	
TIME	2:54:41 PM															PLAN REF NO	
DATE	1/24/2024															TC102	
PLOTTED BY	LintzF															TYPICAL TRAFFIC CONTROL PLANS	
DESIGNED BY																	
ENTERED BY																	
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PROJ. ENGR.																	
REGIONAL ADM.																SHEET	
REVISION		DATE		BY												3	
																OF	
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																SHEETS	

WORK ZONE MICROSTATION CELLS: Updated work zone cells incorporated (January 2024).

WSDOT CAE automatically updates cell libraries on WSDOT and on-site consultant staff computers (no action needed); however, external users or off-site consultants must manually install them. For additional information e-mail HQCAEHlpDesk@wsdot.wa.gov.

Division 4 in WSDOT Plans Preparation Manual, Section 400.06(29), provides updated work zone cell library policy and information for PS&Es. See <https://wsdot.wa.gov/engineering-standards/all-manuals-and-standards/manuals/plans-preparation-manual>

PLOT USAGE EXPLANATION:

Plot 1: Right shoulder closure maintaining existing speed limit on freeways.

Plot 2: Right ramp details for right shoulder closure maintaining existing speed limit on freeways.

Plot 3: Left ramp details for right shoulder closure maintaining existing speed limit on freeways.

DESIGNER NOTES:

A. These typical traffic control plans (Typical TCPs) may be modified for project-specific, site-specific situations, and/or WSDOT Region Transportation Operations standard practices. **Typical TCPs are not "Standard Plans".**

B. Because of the minimal traffic impacts of shoulder closures, Portable Changeable Message Signs (PCMSs) are avoided. PCMSs are optional per MUTCD Section 6F.60 and Section 6H and are used to supplement signage and inform motorists of unexpected situations.

c. 48"x48" diamond-shaped work zone signs used on freeway mainlines and ramps. For shoulder closures, temporary signs are only placed on one shoulder (does not need to be gated). If signs are barrier-mounted, a special rectangular-shaped 24"x48" sign should be used. See MUTCD Table 6F-1 for additional temporary sign size information.

D. Freeway mainline sign spacing may be reduced down to 1000' +/- based on engineering judgement and down to 500' +/- if near interchanges. Along ramps, 200' +/- sign spacing typical but may be reduced farther.

E. When positioned behind channelizing devices, temporary signs should be mounted at 5' minimum.

F. Work zone traffic control layout is based on the posted speed limit; for split speed limits (SPEED LIMIT 70 TRUCKS 60), use the higher 70 mph.

G. This Typical TCP uses traffic safety drums on freeway shoulder tapers and tangents. On tangents 42" tall channelizing devices, 36" traffic cones, & 28" traffic cones may be used with Region Transportation Operations acceptance (vertical panel channelizing devices prohibited). Warning lights on channelizing devices being phased out in Washington. Contact Region Transportation Operations for information regarding their standard practices.

H. Maximum channelizing device spacing table for tangents is based on WAC 468-95-301 and may ALWAYS be reduced.

l. It is WSDOT standard practice not to use sequential arrow signs (arrow boards) for shoulder closure tapers. Per MUTCD TA-6, sequential arrow signs (arrow boards) should not be used.

j. Longitudinal buffer spaces (B) are optional per MUTCD Section 6C.06 but is desired when practical. Longitudinal buffers are the most adjustable component that may be increased/decreased to move lane closure tapers away from horizontal/vertical curves and from on-ramp merges.

K. The lateral buffer (transverse distance between open travel lanes and work area) is typically 2 feet on freeways but may be reduced to 1-foot on shoulder closures when the lateral work space is needed. Per MUTCD Section 6C.06 P14, lateral buffer spaces are optional. Actual work area limits may be modified.

L. Per MUTCD TA-6, the downstream taper not used. Eliminating it allows construction vehicles to accelerate out of work area into reopened lane to minimize traffic impacts and increase safety.

M. Ramp detour signage is recommended by MUTCD 6C.09, but using alternative routes is acceptable. Contact Region Transportation Operations for their standard practice. Recommended to use route-specific detour signage for significant ramp closures.

FREEWAY (2+ LANES): RIGHT SHOULDER CLOSURE (MAINTAIN EXISTING SPEED LIMIT)

	<p>INFORMATIONAL USE ONLY</p> <p>DO NOT INCLUDE THIS SHEET IN CONTRACT PS&Es or TCP SUBMITTALS.</p>	Plot 4
		TC102
	DESIGNER GUIDANCE	