

-HQ\Traffic\HQ_Traffic_Connect\HQ Work Zone\Typical TCPs\TC200s\projectstore.wsdot.wa.gov\WSDOT\

mPCMS/PCMS - ALT #1		
1	2	3
LEFT LANE CLOSURE	WATCH FOR SLOW TRAFFIC	NEXT # MILES
1.5 SEC	1.5 SEC	1.5 SEC

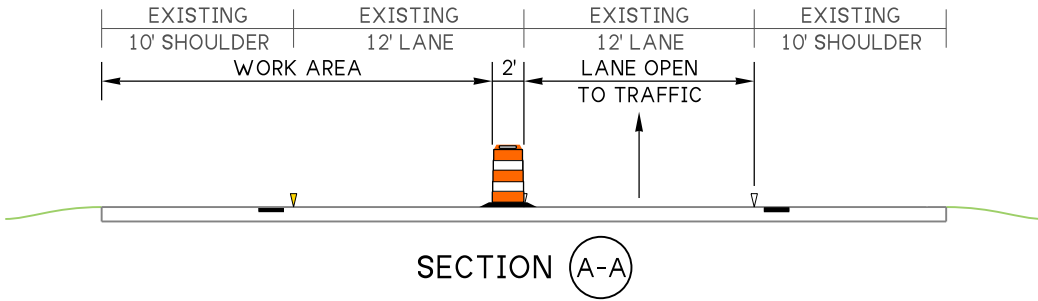
USE WHEN TRAFFIC QUEUES EXPECTED, BUT NOT VERIFIED. FIELD LOCATE UPSTREAM OF EXPECTED QUEUE PER STD. SPEC. 2-04.3(6)C.

mPCMS/PCMS - ALT #2		
1	2	3
LEFT LANE CLOSURE	SLOW TRAFFIC AHEAD	NEXT # MILES
1.5 SEC	1.5 SEC	1.5 SEC

TCS MUST VERIFY HOURLY TRAFFIC QUEUES ARE PRESENT. FIELD LOCATE UPSTREAM OF EXPECTED QUEUE PER STD. SPEC. 2-04.3(6)C.

mPCMS	
1	2
LEFT LANE CLOSURE	60 MPH ZONE AHEAD
2.0 SEC	2.0 SEC

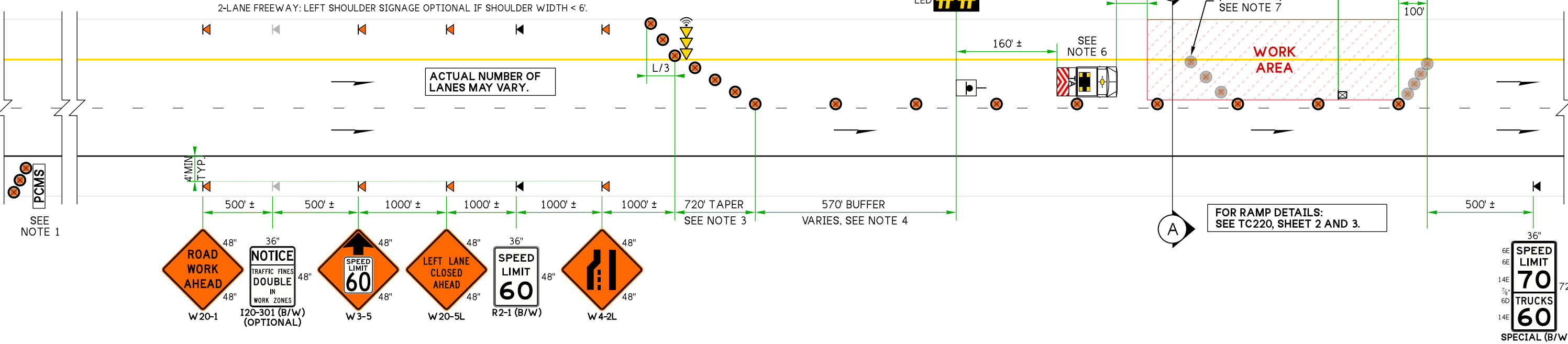
FIELD LOCATE 1.5± MILES PRIOR TO THE CLOSURE TAPER PER STD. SPEC. 2-04.3(6)C.



SHOULDER CLOSURE TAPER LENGTH = L/3	
SHOULDER WIDTH	L/3
< 6'	80'
6'	120'
10'	200'

STATIONARY TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R	
HOST VEHICLE WEIGHT LESS THAN 22,000 lbs.	HOST VEHICLE WEIGHT 22,000 lbs. OR MORE
172'	150'

MAXIMUM CHANNELIZING DEVICE SPACING	
TAPER	TANGENT
40'	80'



NOTES:

- miniPCMS PERMITTED ON 2-LANE FREEWAYS, ON 3+ LANE FREEWAYS USE PCMS.
- BARRIER-MOUNTED 24"x48" SIGNAGE MAY BE USED WHERE PAVED SHOULDERS < 6'.
- IF FEASIBLE, AVOID PLACING LANE CLOSURE OR LANE SHIFT TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL CURVES.
- BUFFER DISTANCE INCREASES AS WORK AREA MOVES DOWNSTREAM.
- EXISTING BLACK/WHITE "YOUR SPEED" PLAQUES MAY STILL BE USED. RELOCATE RSDS AS WORK AREA MOVES DOWNSTREAM. IF ENGINEER ACCEPTS, ADDITIONAL RSDS MAY BE ADDED PRIOR TO EACH WORK CREW.
- RED/WHITE OR BLACK/YELLOW CHEVRON PATTERN OK. ADDITIONAL TRANSPORTABLE ATTENUATORS MAY BE ADDED BEHIND EACH WORK CREW.

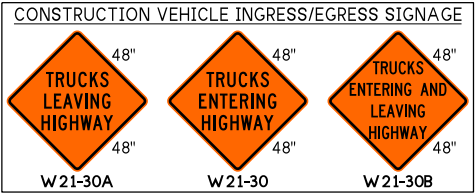
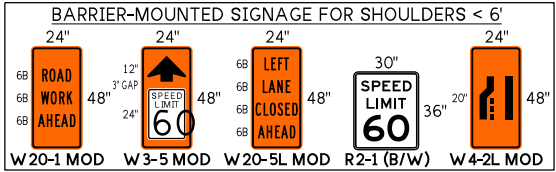
- IF USED, PLACE DEVICES TRANSVERSELY ACROSS CLOSED LANES AT 45° ± AND 5' SPACING AT STRATEGIC LOCATIONS.
- COVER ALL CONFLICTING SIGNAGE WITH BLACK 1/8" ABS OR 1/4" PLYWOOD TEMP. SIGN COVER PER STD. SPEC 2-04.3(6)A.
- IF USED, DOWNSTREAM TAPER DEVICE SPACING IS 20'.
- SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
- PLAN IS APPLICABLE TO LANE CLOSURES OF 7 DAYS OR LESS.
- NOTIFY PUBLIC OF SPEED REDUCTION 3+ DAYS IN ADVANCE VIA PCMS: 60 MPH WZ SPEED LIMIT / BEGINS DAYOFWEEK MM/DD/YY @ 2.0 SEC.
- ADD W21-30-SERIES SIGNS (5' HEIGHT) 500' ± PRIOR TO FREQUENT CONSTRUCTION VEHICLES INGRESS/EGRESS INTO THE OPEN LANE(S).

- BICYCLIST ACCOMMODATIONS, WHERE FACILITY OPEN TO BICYCLES:
(A) BICYCLES CONTINUE RIDING ON RIGHT SHOULDER ONLY ALONG MAINLINE, EXIT- RAMPs, AND ON-RAMPs PER STATE LAW.

LEGEND:

- TEMPORARY SIGN LOCATION (1' MIN HEIGHT)
- TEMPORARY SIGN LOCATION (5' MIN HEIGHT)
- TRAFFIC SAFETY DRUM
- RADAR SPEED DISPLAY SIGN (RSDS)
- CONNECTED SEQUENTIAL ARROW SIGN
- TRANSPORTABLE ATTENUATOR (TL-3)
- PCMS/mPCMS (SEE NOTE 1)

FREEWAY (2+ LANES): SINGLE LEFT LANE CLOSURE
(60 MPH WORK ZONE SPEED LIMIT)
NOT TO SCALE



FILE NAME	220_1A_Fwy1LtLane70to60WZSL.dgn
TIME	12:55:08 PM
DATE	27-OCT-2025
PLOTTED BY	LintzF
DESIGNED BY	
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	DATE BY

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	

WSDOT
PRELIMINARY PLAN

SEE CERTIFICATION SHEET
DATE
STAMP BOX

SEE CERTIFICATION SHEET
DATE
STAMP BOX

TYPICAL TRAFFIC CONTROL PLANS

PLAN REF NO
TC220
SHEET 1A OF 3 SHEETS

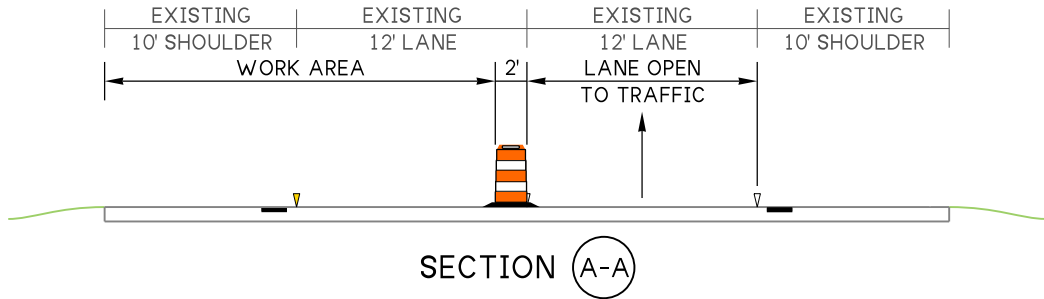
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3-MILE QUEUE WARNING SYSTEM MESSAGES					
TRAFFIC SENSORS		PCMS 2		PCMS 1	
B	A	1	2	1	2
TRIGGER SPEED		2.0 SEC	2.0 SEC	2.0 SEC	2.0 SEC
35+ MPH	35+ MPH	■	(Blank)	LEFT LANE CLOSURE	60 MPH ZONE AHEAD
35+ MPH	< 35 MPH	LANE CLOSURE 3 MILES	TRAFFIC BACKUPS PRESENT	SLOW OR STOPPED TRAFFIC	NEXT 1.5 MILES
< 35 MPH	< 35 MPH	SLOW OR STOPPED TRAFFIC	NEXT 3 MILES	USE ALL LANES	TAKE TURNS AT MERGE

LOCATE PCMSs PER STD. SPEC 2-04.3(6)C. PCMS AND TRAFFIC SENSORS MAY BE ADJUSTED AND/OR MOVED TO OPPOSITE SHOULDER TO AVOID CONFLICTS WITH TRAFFIC CONTROL DEVICES, NARROW SHOULDERS, RAMPS, OR TO MAINTAIN VISIBILITY OF SEQUENTIAL ARROW SIGN.

WHEN PCMS OR TRAFFIC SENSOR PLACED BEHIND BARRIER/GUARDRAIL OR WITHIN CLOSED LANE, TRANSVERSE TRAFFIC DRUMS ARE NOT REQUIRED.

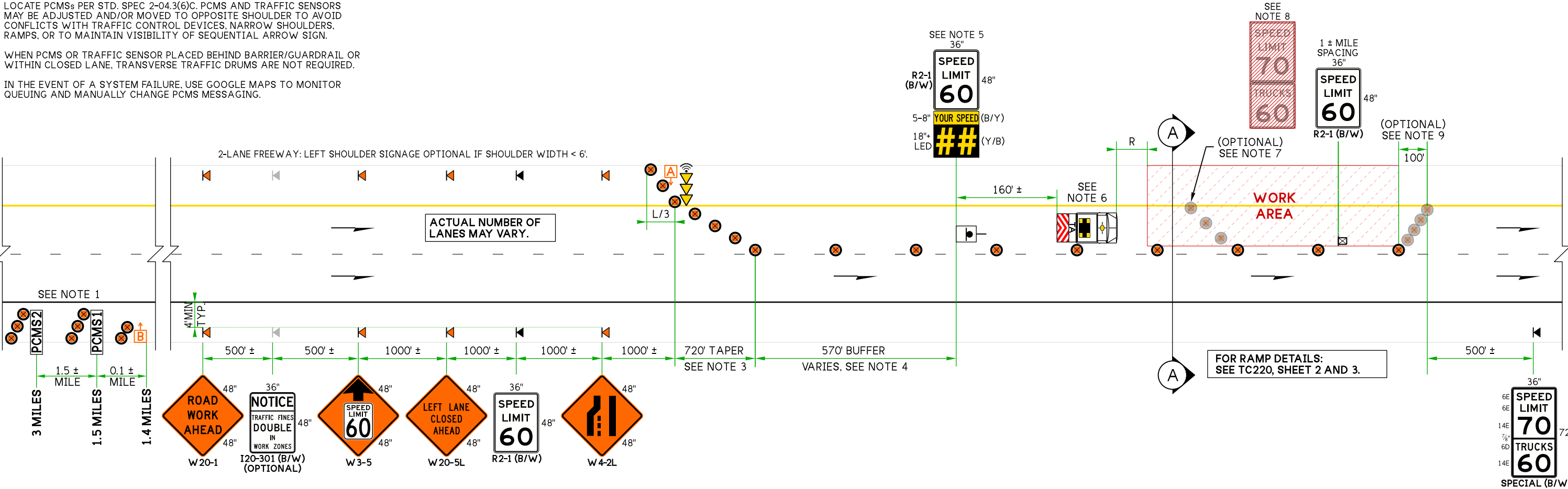
IN THE EVENT OF A SYSTEM FAILURE, USE GOOGLE MAPS TO MONITOR QUEUEING AND MANUALLY CHANGE PCMS MESSAGING.



SHOULDER CLOSURE	
TAPER LENGTH = L/3	
SHOULDER WIDTH	L/3
< 6'	80'
6'	120'
10'	200'

STATIONARY TRANSPORTABLE ATTENUATOR	
ROLL AHEAD DISTANCE = R	
HOST VEHICLE WEIGHT LESS THAN 22,000 lbs.	HOST VEHICLE WEIGHT 22,000 lbs. OR MORE
172'	150'

MAXIMUM CHANNELIZING DEVICE SPACING	
TAPER	TANGENT
40'	80'



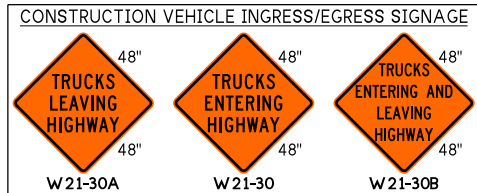
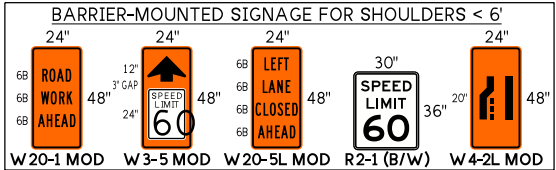
NOTES:

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(A) BICYCLES CONTINUE RIDING ON RIGHT SHOULDER ONLY ALONG MAINLINE, EXIT- RAMPS, AND ON-RAMPS PER STATE LAW.

LEGEND:	
	TEMPORARY SIGN LOCATION (1' MIN HEIGHT)
	TEMPORARY SIGN LOCATION (5' MIN HEIGHT)
	TRAFFIC SAFETY DRUM
	TRAFFIC SPEED SENSOR
	RADAR SPEED DISPLAY SIGN (RSDS)
	CONNECTED SEQUENTIAL ARROW SIGN
	TRANSPORTABLE ATTENUATOR (TL-3)
	PCMS/mPCMS (SEE NOTE 1)

FREEWAY (2+ LANES): SINGLE LEFT LANE CLOSURE + 3-MILE QWS
(60 MPH WORK ZONE SPEED LIMIT)
NOT TO SCALE



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TIME	12:54:38 PM
DATE	27-OCT-2025
PLOTTED BY	LintzF
DESIGNED BY	
ENTERED BY	
CHECKED BY	
PROJ. ENGR.	
REGIONAL ADM.	
REVISION	
DATE	
BY	

REGION NO.	STATE	FED. AID PROJ. NO.
10	WASH	
JOB NUMBER		
CONTRACT NO.	LOCATION NO.	

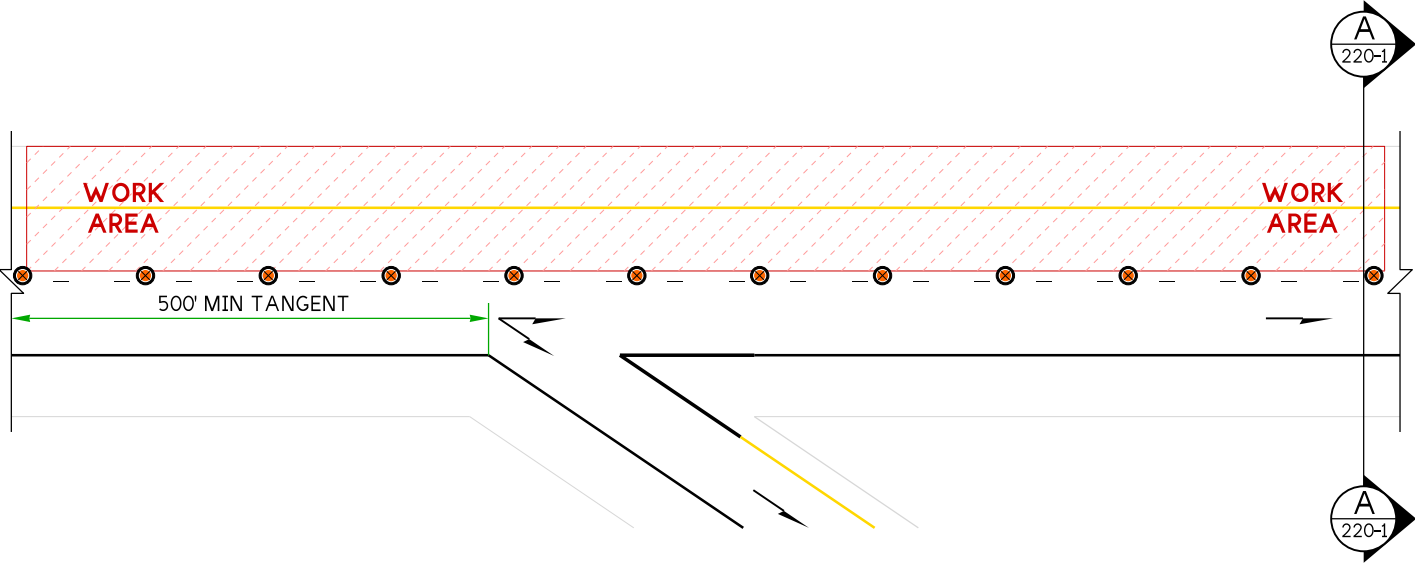


SEE CERTIFICATION SHEET DATE
STAMP BOX

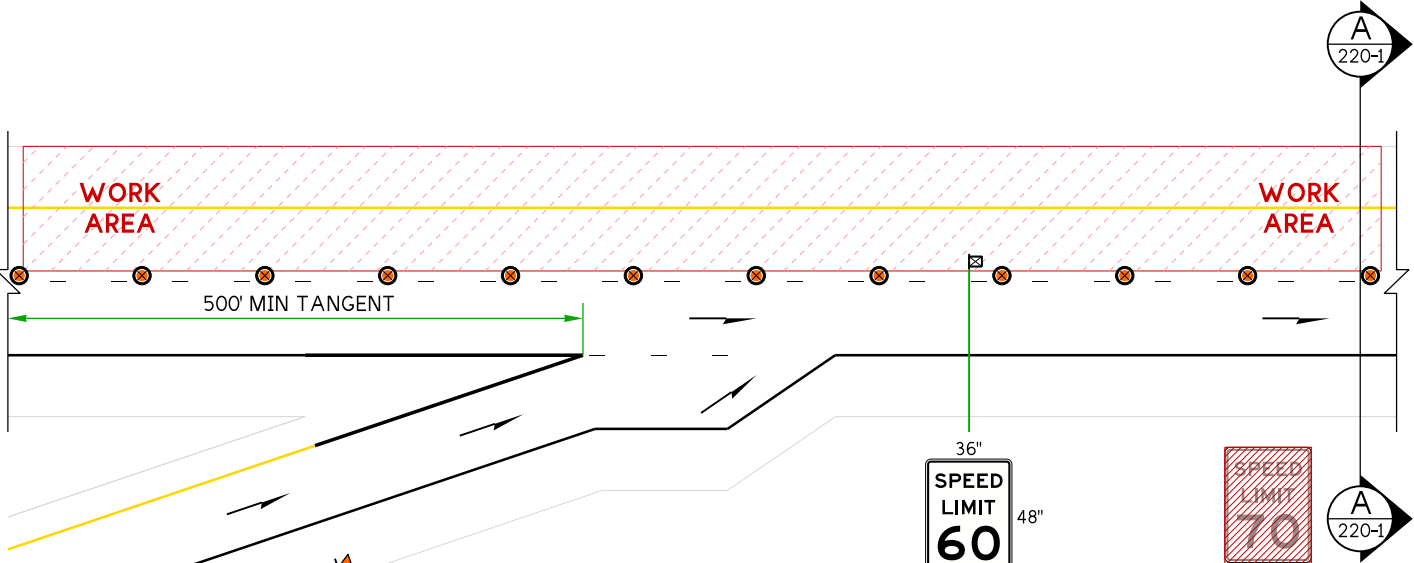
SEE CERTIFICATION SHEET DATE
STAMP BOX

PLAN REF NO	TC220
SHEET 1B OF 3 SHEETS	
TYPICAL TRAFFIC CONTROL PLANS	

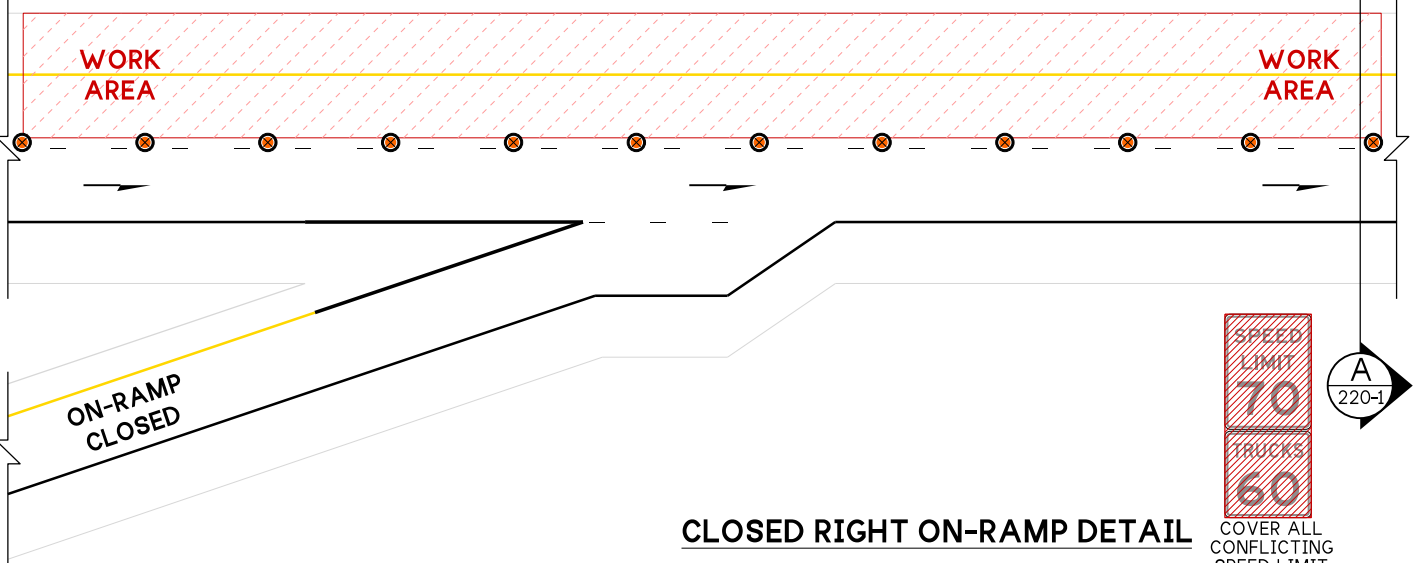
- NOTES:
15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC220, SHEET 1A OR 1B.
16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



OPEN RIGHT EXIT-RAMP DETAIL



OPEN RIGHT ON-RAMP DETAIL



CLOSED RIGHT ON-RAMP DETAIL

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

FREEWAY (2+ LANES): SINGLE LEFT LANE CLOSURE (60 MPH WORK ZONE SPEED LIMIT)
NOT TO SCALE

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FILE NAME	220_2_Fwy1LtLane70to60WZSL.dgn	REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.	
TIME	12:55:31 PM	JOB NUMBER					
DATE	27-OCT-2025	CONTRACT NO.		LOCATION NO.			
PLOTTED BY	LintzF						
DESIGNED BY							
ENTERED BY							
CHECKED BY							
PROJ. ENGR.							
REGIONAL ADM.							
REVISION		DATE	BY				



PRELIMINARY PLAN

SEE CERTIFICATION SHEET
DATE
STAMP BOX

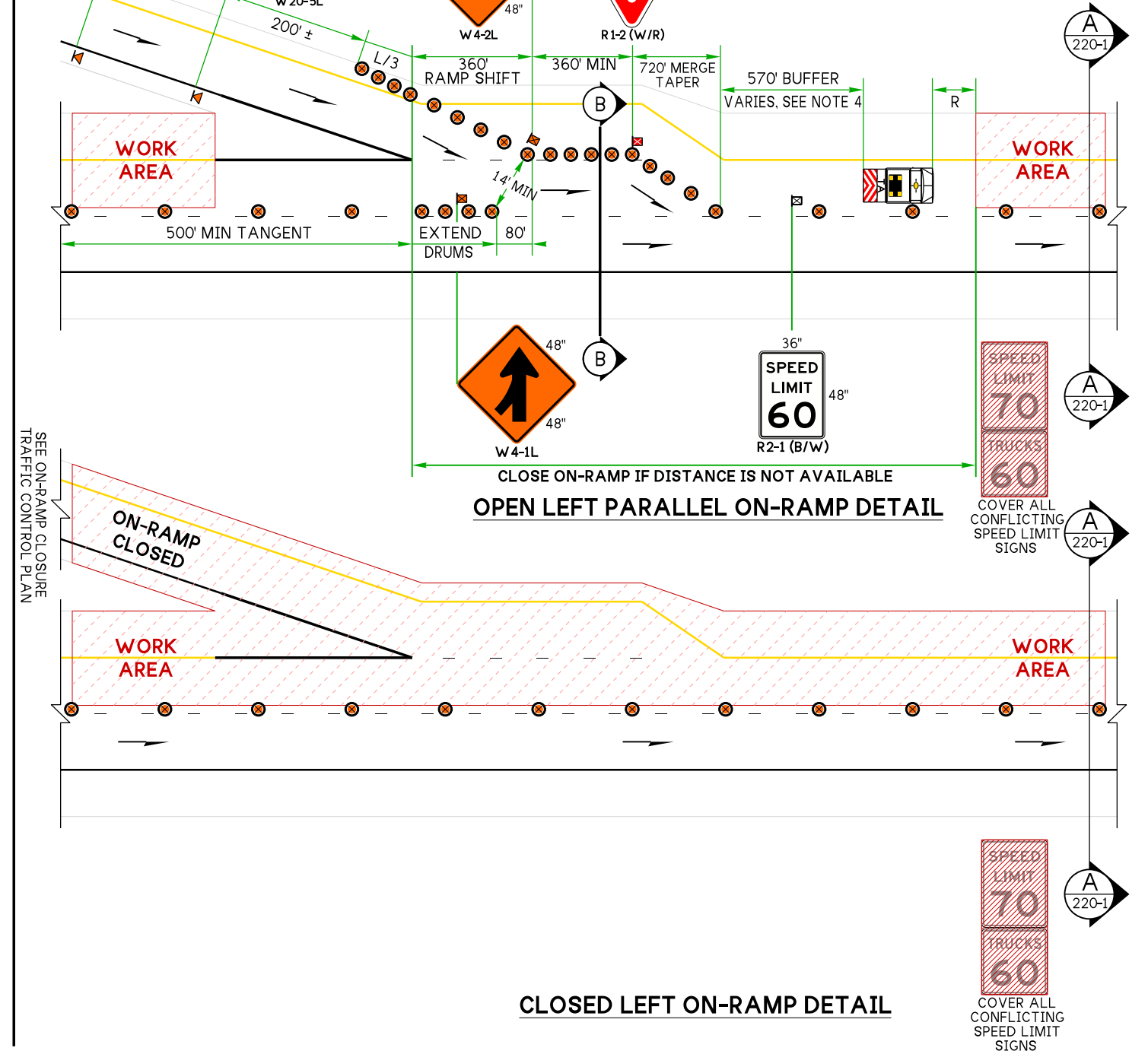
SEE CERTIFICATION SHEET
DATE
STAMP BOX

TYPICAL TRAFFIC CONTROL PLANS


PLAN REF NO
TC220
SHEET
2
OF
3
SHEETS

15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC220, SHEET 1A OR 1B.

16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



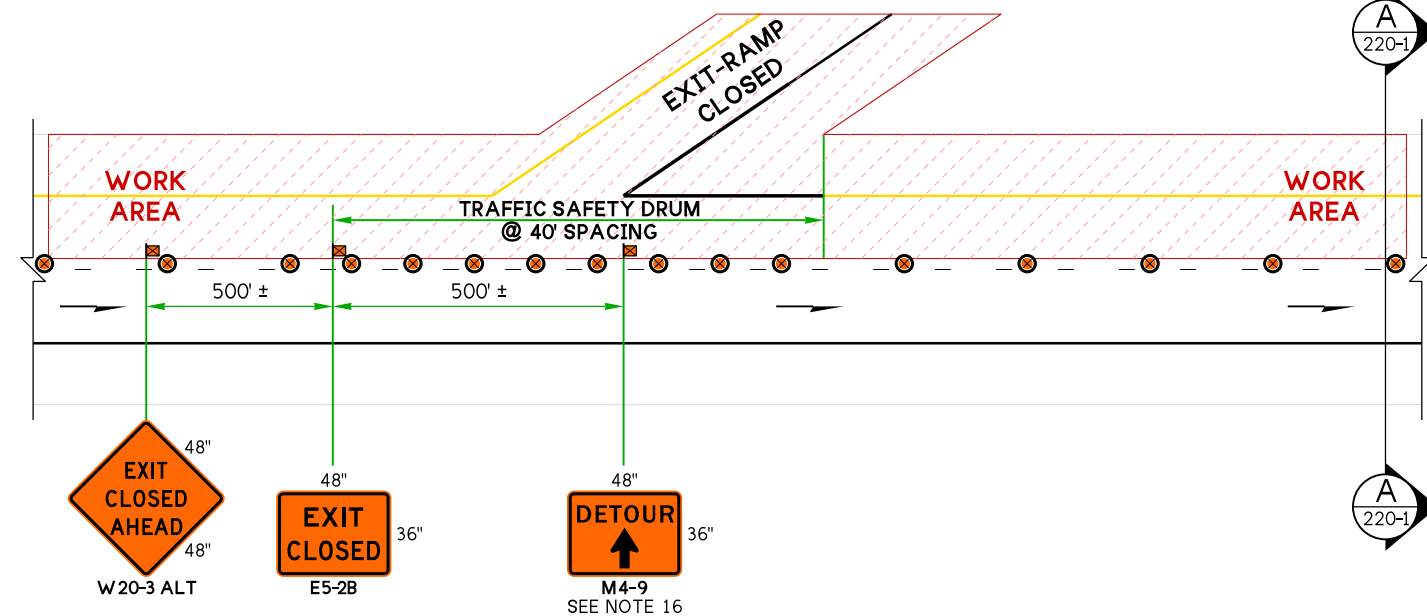
SEE ON-RAMP CLOSURE
TRAFFIC CONTROL PLAN

FILE NAME 220_3A_Fwy1LtLn70to60WZSL.dgn				REGION NO.	STATE	FED. AID PROJ. NO.	 PRELIMINARY PLAN	SEE CERTIFICATION SHEET DATE STAMP BOX	SEE CERTIFICATION SHEET DATE STAMP BOX	TYPICAL TRAFFIC CONTROL PLANS	PLAN REF NO.		
TIME 12:55:12 PM				10	WASH	JOB NUMBER					LOCATION NO.	SHEET 3A OF 3 SHEETS	TC220
DATE 27-OCT-2025													
PLOTTED BY LintzF													
DESIGNED BY													
ENTERED BY						CONTRACT NO.							
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PROJ. ENGR.													
REGIONAL ADM.	REVISION	DATE	BY										

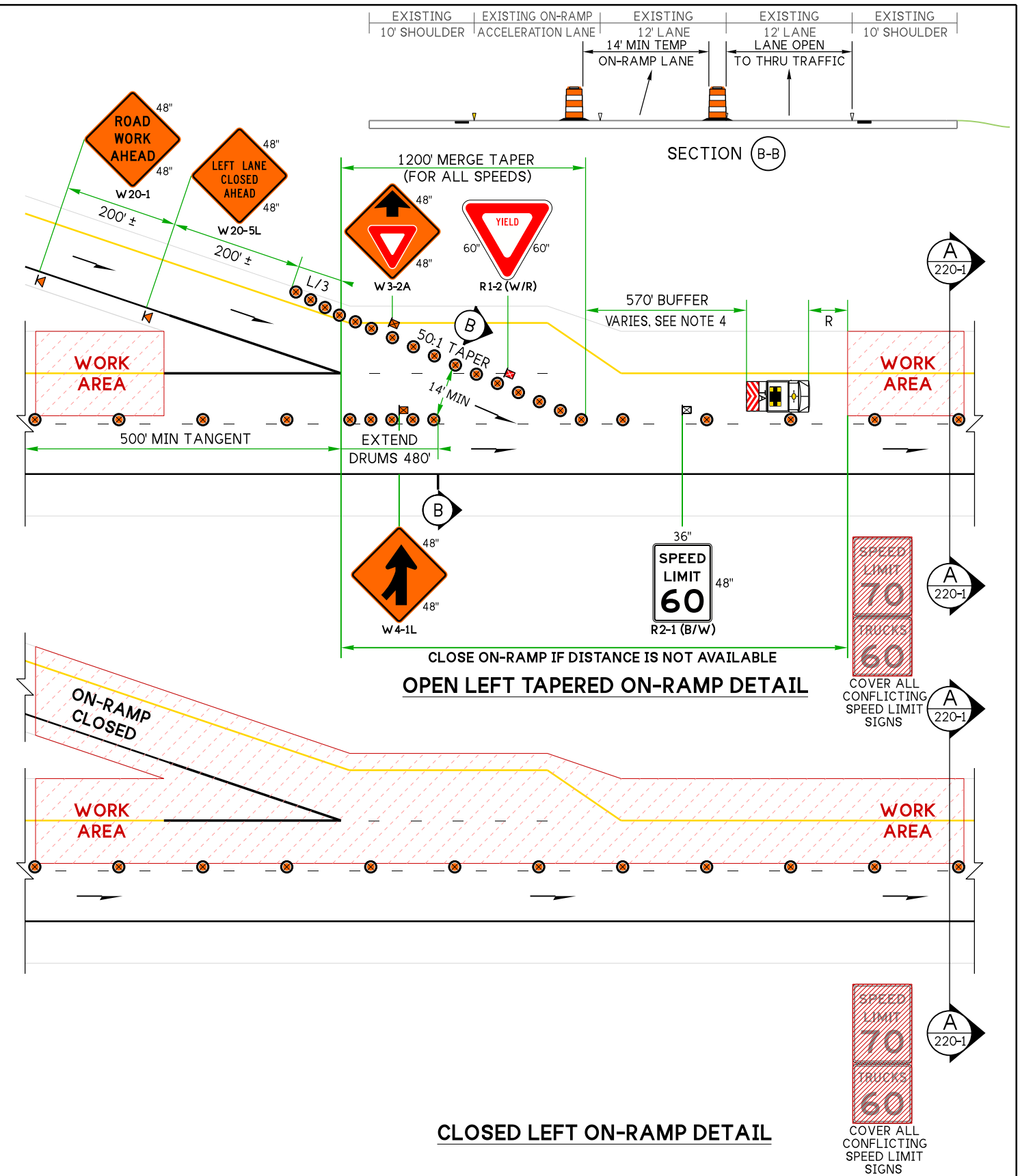
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15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC220, SHEET 1A OR 1B.

16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



FREEWAY (2+ LANES): SINGLE LEFT LANE CLOSURE (60 MPH WORK ZONE SPEED LIMIT)
NOT TO SCALE



FILE NAME 220_3B_Fwy1LtLane70to60WZSL.dgn				REGION NO.	STATE	FED. AID PROJ. NO.	<div> PRELIMINARY PLAN</div>	<div>SEE CERTIFICATION SHEET DATE</div> <div>STAMP BOX</div>	<div>SEE CERTIFICATION SHEET DATE</div> <div>STAMP BOX</div>	TYPICAL TRAFFIC CONTROL PLANS	PLAN REF NO.
TIME 12:55:36 PM				10	WASH	TC220					
DATE 27-OCT-2025				JOB NUMBER							SHEET 3B OF 3 SHEETS
PLOTTED BY LintzF											
DESIGNED BY											
ENTERED BY				CONTRACT NO.	LOCATION NO.						
CHECKED BY											
PROJ. ENGR.											
REGIONAL ADM.	REVISION	DATE	BY								