

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

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

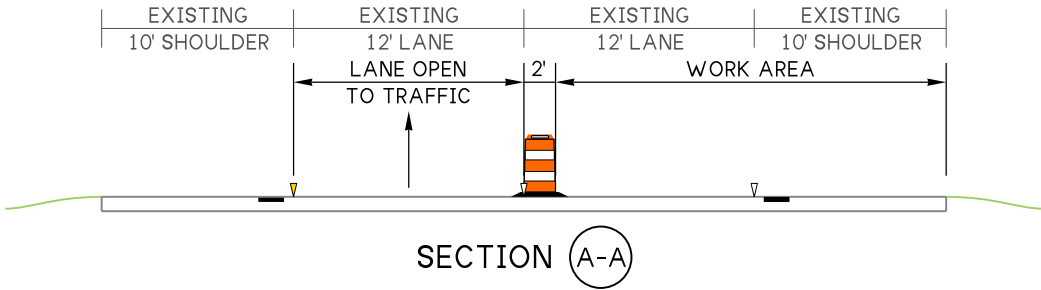
USE WHEN TRAFFIC QUEUES EXPECTED, BUT NOT VERIFIED. FIELD LOCATE UPSTREAM OF EXPECTED QUEUE PER STD. SPEC. 2-04.3(6)C.

mPCMS/PCMS - ALT #2		
1	2	3
RIGHT 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/PCMS	
1	2
RIGHT LANE CLOSURE	60 MPH ZONE AHEAD
2.0 SEC	2.0 SEC

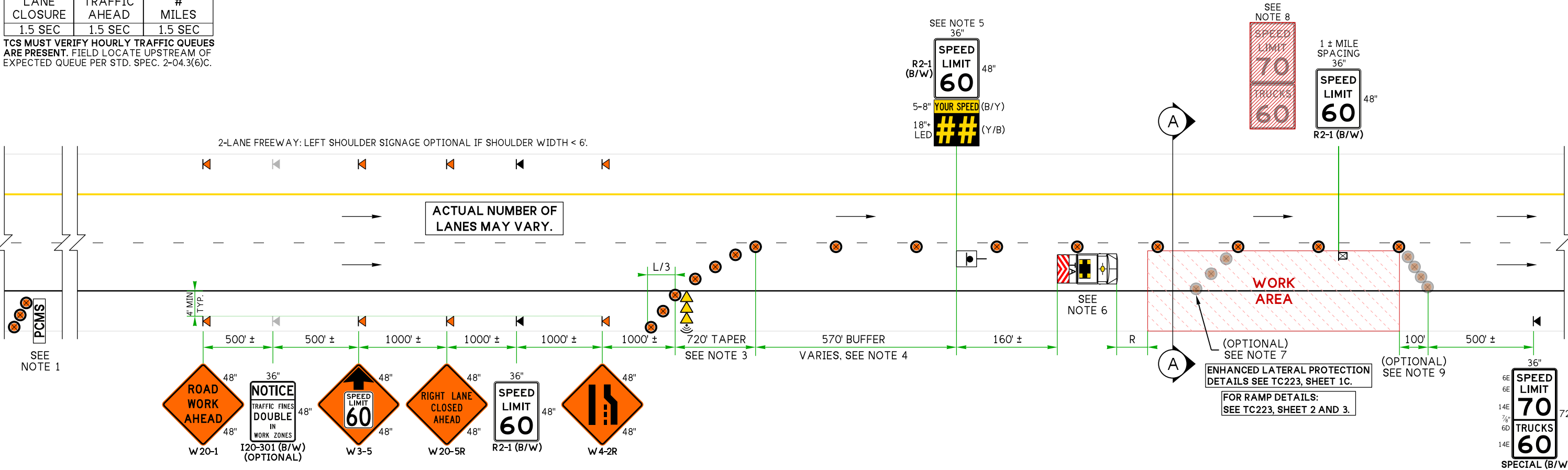
FIELD LOCATE 1.5± MILES PRIOR TO THE CLOSURE TAPER PER STD. SPEC. 2-04.3(6)C.



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.
172'	150'

MAXIMUM CHANNELIZING DEVICE SPACING		
MPH	TAPER	TANGENT
60	40'	80'



NOTES:

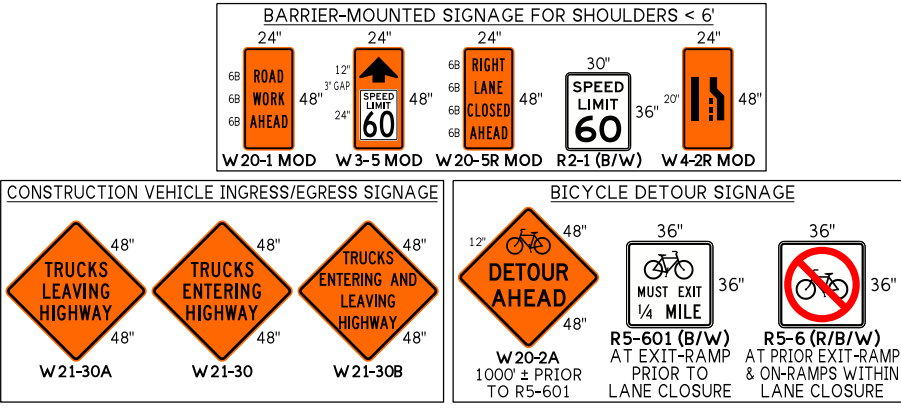
- miniPCMS PERMITTED ON 2-LANE FREEWAYS. ON 3+ LANE FREEWAYS USE PCMS.
- BARRIER-MOUNTED 24"x48" SIGNAGE MAY BE USED WHERE PAVED SHOULDERS < 6'.
- IF FEASIBLE, AVOID PLACING LANE CLOSURE OR LANE SHIFT TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL CURVES.
- BUFFER DISTANCE INCREASES AS WORK AREA MOVES 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 DAY OF WEEK 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). CHANNELIZING DEVICE SPACING MAY BE 120' AT INGRESS/EGRESS.

- BICYCLIST ACCOMMODATIONS, WHERE FACILITY OPEN TO BICYCLES:
(A) BICYCLES PROHIBITED VIA W20-2A, R5-601 & R5-6 SIGNS. PROVIDE SIGNED DETOUR OR PHAMPLETS IN A WATER-PROOF, TRANSPARENT HOLDER WITH LAMINATED QR CODE.
(B) BICYCLES PROHIBITED VIA R5-601 & R5-6 SIGNS. PROVIDE FREE SHUTTLE (WORK TRUCK, VAN, OR BUS OK) + CONTACT INFORMATION OR PHONE BOX.
(C) ENGINEER TO ACCEPT ANY ALTERNATIVE STRATEGIES.

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 RIGHT LANE CLOSURE
(60 MPH WORK ZONE SPEED LIMIT)
NOT TO SCALE



FILE NAME	223_1A_Fwy1RtLane70to60WZSL.dgn
TIME	10:47:19 AM
DATE	20-NOV-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
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DATE
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DATE
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TYPICAL TRAFFIC CONTROL PLANS

PLAN REF NO.
TC223
SHEET 1A OF 3 SHEETS

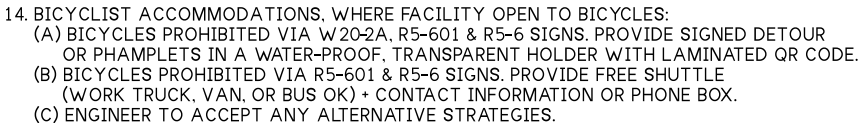
Diagram illustrating a lane closure and work area setup on a two-lane road. The road is divided into four sections: EXISTING 10' SHOULDER, EXISTING 12' LANE, EXISTING 12' LANE, and EXISTING 10' SHOULDER. A 2' gap is shown between the two 12' lanes, labeled LANE OPEN TO TRAFFIC. A WORK AREA is indicated by a double-headed arrow spanning the 2' gap and the adjacent EXISTING 12' LANE on the right. A traffic cone is positioned at the edge of the 2' gap. The diagram is labeled SECTION A-A.

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

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.

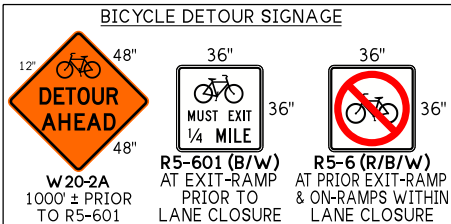
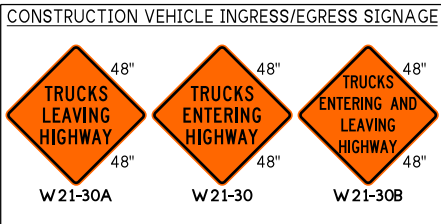
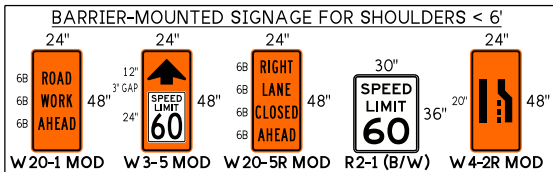
IN THE EVENT OF A SYSTEM FAILURE, USE GOOGLE MAPS TO MONITOR QUEUING AND MANUALLY CHANGE PCMS MESSAGING.



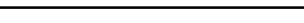
- NOTES:**

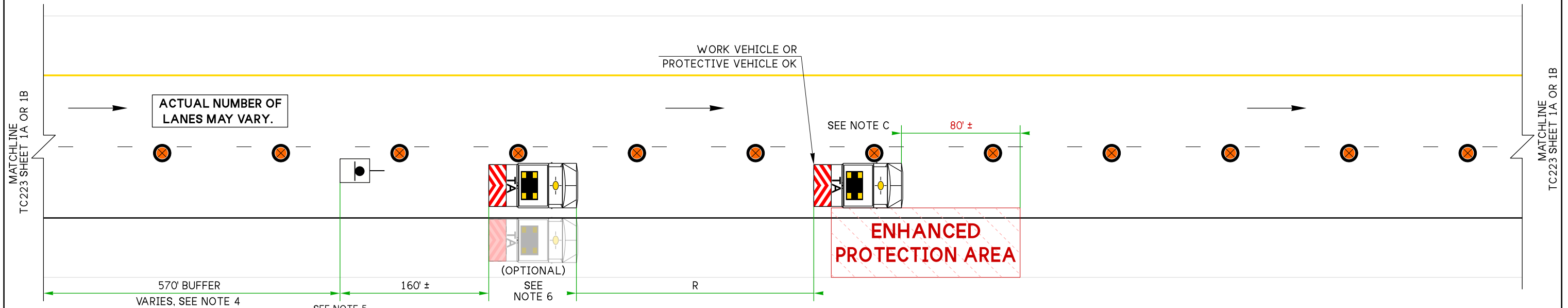
1. miniPCMS PERMITTED ON 2-LANE FREEWAYS. ON 3+ LANE FREEWAYS USE PCMS.
2. BARRIER-MOUNTED 24"x48" SIGNAGE MAY BE USED WHERE PAVED SHOULDERS < 6'.
3. IF FEASIBLE, AVOID PLACING LANE CLOSURE OR LANE SHIFT TAPERS WITHIN OR IMMEDIATELY FOLLOWING HORIZONTAL CURVES.
4. BUFFER DISTANCE INCREASES AS WORK AREA MOVES DOWNSTREAM.
5. 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.
6. RED/WHITE OR BLACK/YELLOW CHEVRON PATTERN OK. ADDITIONAL TRANSPORTABLE ATTENUATORS MAY BE ADDED BEHIND EACH WORK CREW.

7. IF USED, PLACE DEVICES TRANSVERSELY ACROSS CLOSED LANES AT 45° ± AND 5' SPACING AT STRATEGIC LOCATIONS.
8. COVER ALL CONFLICTING SIGNAGE WITH BLACK 1/8" ABS OR 1/4" PLYWOOD TEMP. SIGN COVER PER STD. SPEC 2-04.3(6)A.
9. IF USED, DOWNSTREAM TAPER DEVICE SPACING IS 20'.
10. SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE INDICATED.
11. PLAN IS APPLICABLE TO LANE CLOSURES OF 7 DAYS OR LESS.
12. NOTIFY PUBLIC OF SPEED REDUCTION 3+ DAYS IN ADVANCE VIA PCMS: 60 MPH WZ SPEED LIMIT / BEGINS DAYOFWEEK MM/DD/YY @ 2.0 SEC.
13. ADD W21-30-SERIES SIGNS (5' HEIGHT) 500' ± PRIOR TO FREQUENT CONSTRUCTION VEHICLES INGRESS/EGRESS INTO THE OPEN LANE(S). CHANNELIZING DEVICE SPACING MAY BE 120' AT INGRESS/EGRESS.

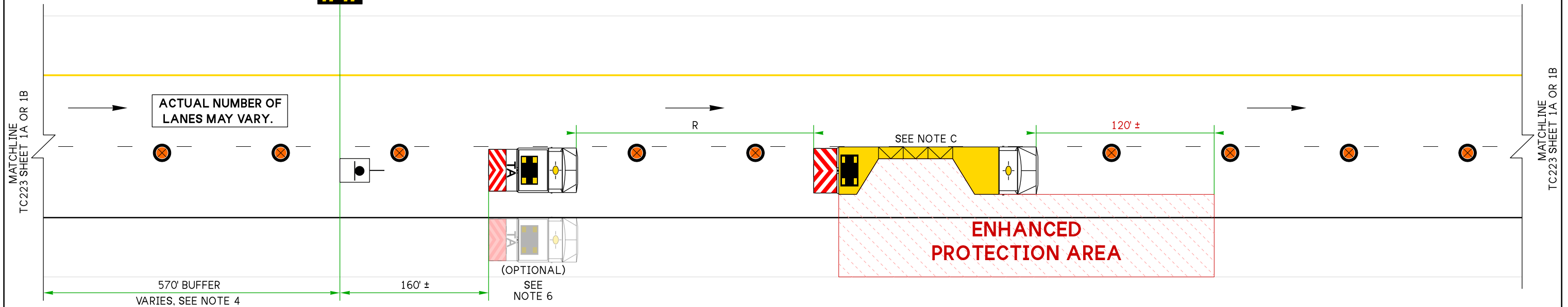


**FREEWAY (2+ LANES): SINGLE RIGHT LANE CLOSURE + 3-MILE QWS
(60 MPH WORK ZONE SPEED LIMIT)**
NOT TO SCALE

 <p>PRELIMINARY PLAN</p>	<p>SEE CERTIFICATION SHEET DATE</p> <p>STAMP BOX</p>	<p>SEE CERTIFICATION SHEET DATE</p> <p>STAMP BOX</p>	<p>TYPICAL TRAFFIC CONTROL PLANS</p>	PLAN REF NO.
				TC223
				<p>SHEET 1B OF 3 SHEETS</p>



ENHANCED LATERAL PROTECTION VIA TRANSPORTABLE ATTENUATOR

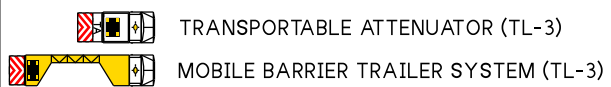


ENHANCED LATERAL PROTECTION VIA MOBILE BARRIER TRAILER SYSTEM

NOTES:

- A. FOR ADDITIONAL LEGEND, TABLES, AND NOTES: SEE TC223, SHEET 1A OR 1B.
- B. WITH ENGINEER ACCEPTANCE, MULTIPLE ENHANCED LATERAL PROTECTION AREAS MAY BE USED THROUGHOUT THE LANE CLOSURE LIMITS.
- C. PARKING BRAKE TO BE ENGAGED AND WHEELS FACING STRAIGHT (DO NOT TURN THEM).

LEGEND:

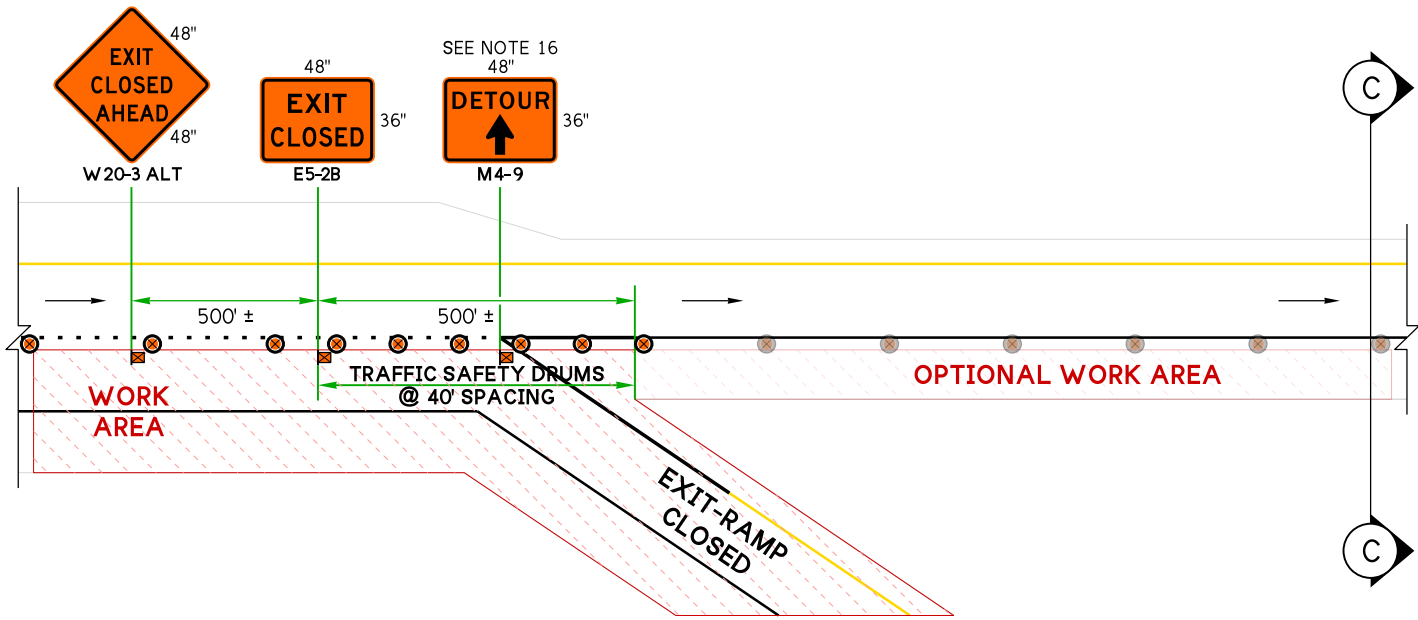
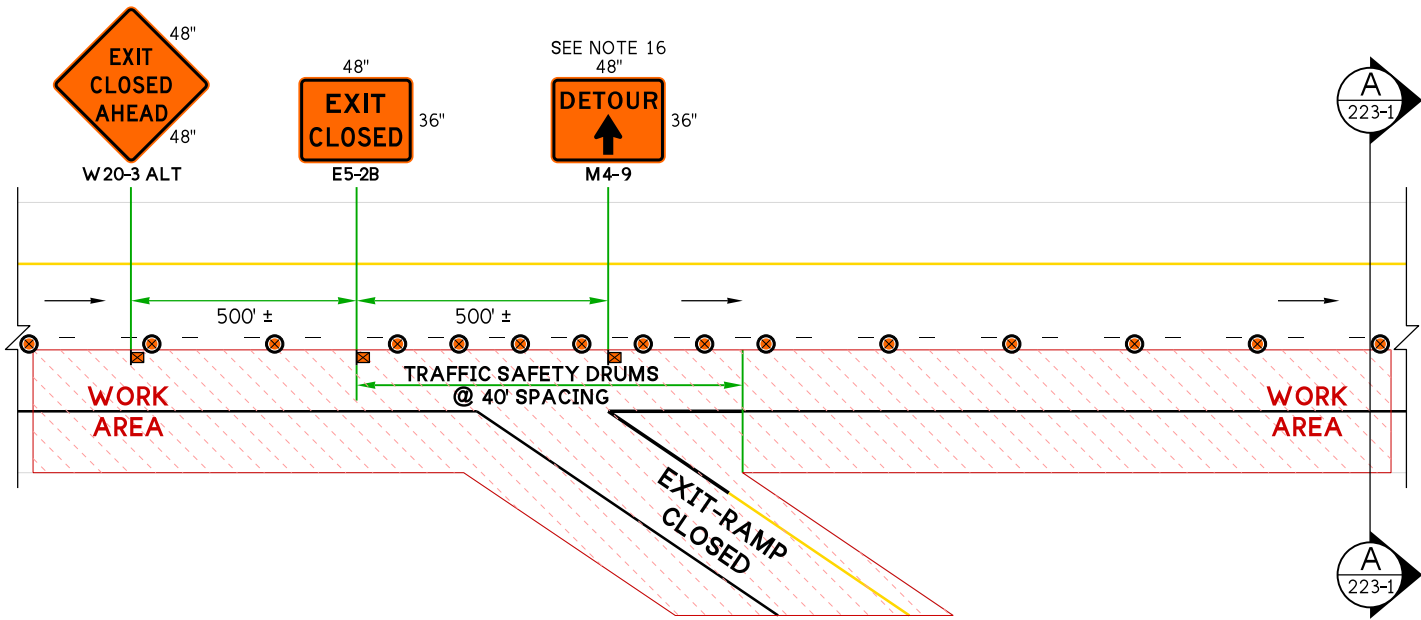
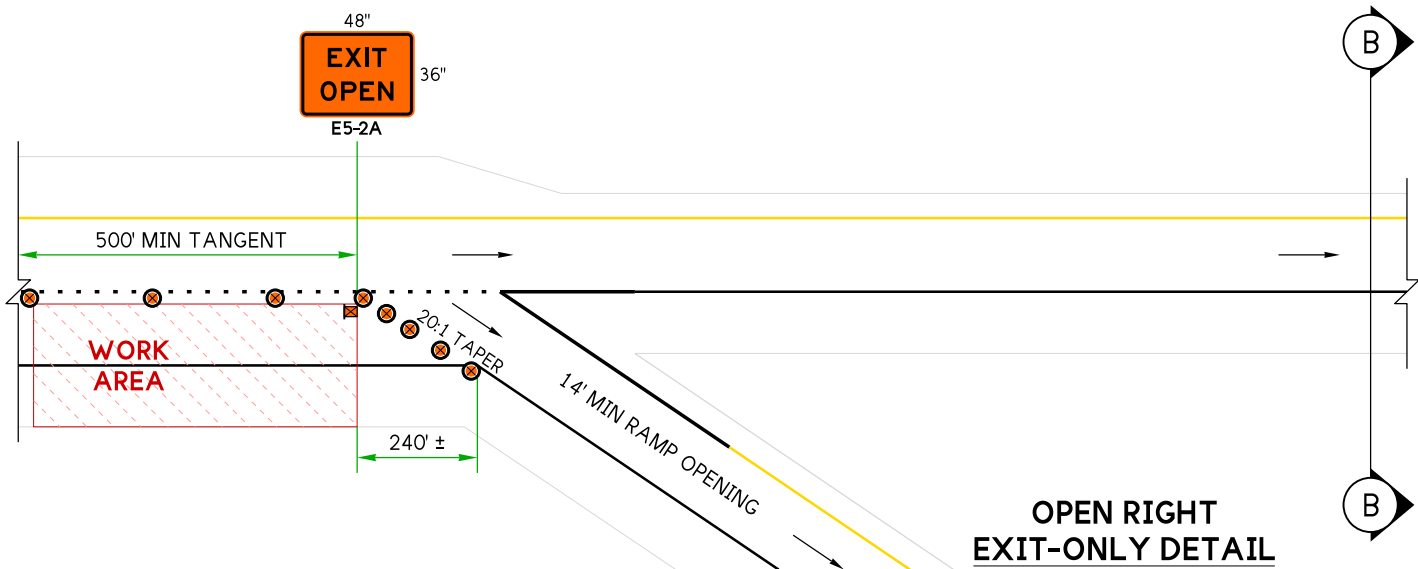
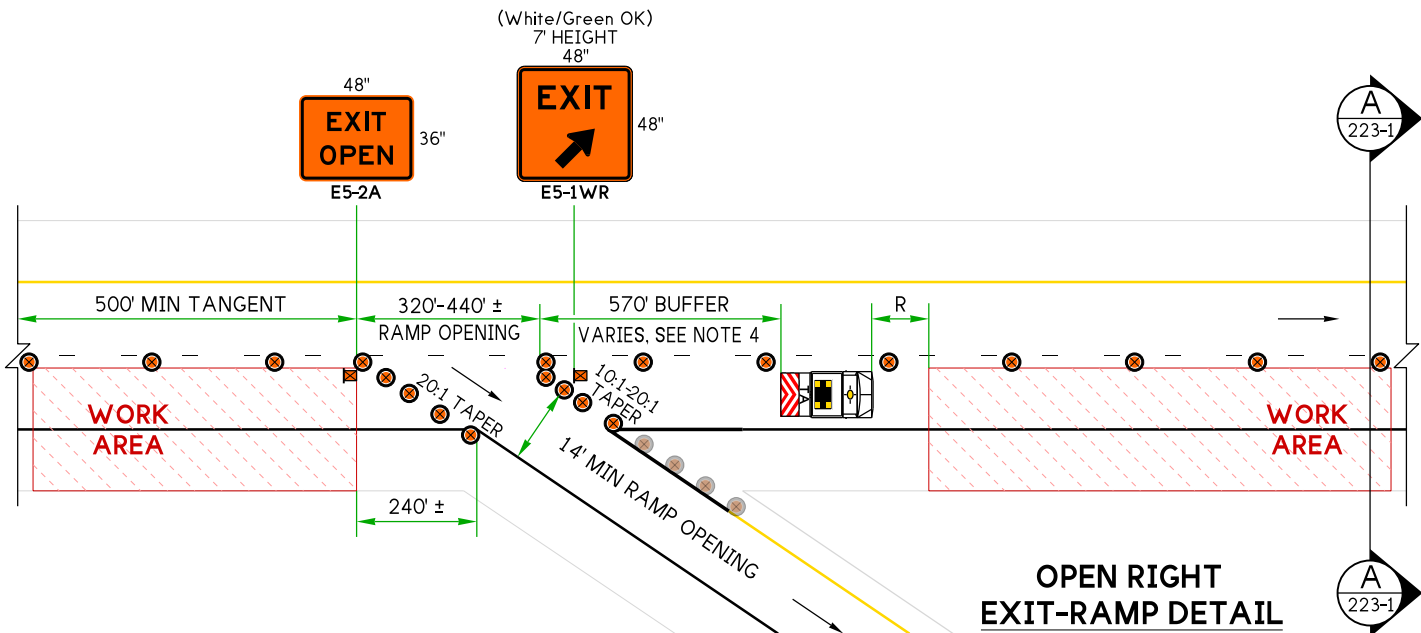
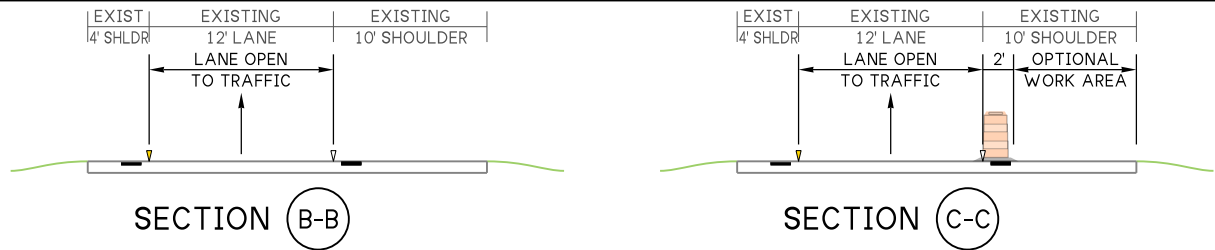


FREEWAY (2+ LANES): SINGLE RIGHT LANE CLOSURE (60 MPH WORK ZONE SPEED LIMIT)

NOT TO SCALE

FILE NAME 223_1C_Fwy1RtLane70to60WZSL.dgn				REGION NO.	STATE	FED. AID PROJ. NO.	<div></div> <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 10:47:53 AM			10	WASH	TC223						
DATE 20-NOV-2025			JOB NUMBER								
PLOTTED BY LintzF											
DESIGNED BY											
ENTERED BY											
CHECKED BY			CONTRACT NO.		LOCATION NO.	SHEET 1C OF 3 SHEETS					
PROJ. ENGR.											
REGIONAL ADM.	REVISION	DATE	BY								

- NOTES:
15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC223, SHEET 1A OR 1B.
16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



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

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FILE NAME	223_2A_Fwy1RtLane70to60WZSL.dgn	REGION NO.	10	STATE	WASH	FED. AID PROJ. NO.		PLAN REF NO.	TC223
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DATE	20-NOV-2025								
PLOTTED BY	LintzF								
DESIGNED BY									
ENTERED BY									
CHECKED BY									
PROJ. ENGR.									
REGIONAL ADM.									
REVISION		DATE		BY					

PRELIMINARY PLAN

SEE CERTIFICATION SHEET DATE

STAMP BOX

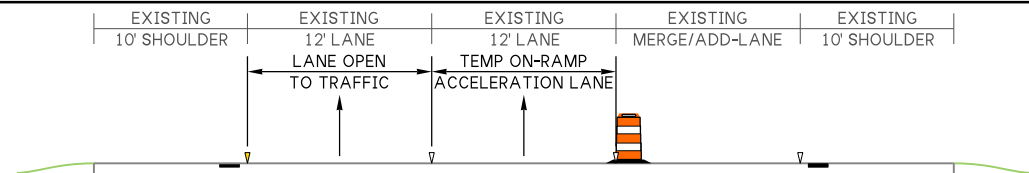
SEE CERTIFICATION SHEET DATE

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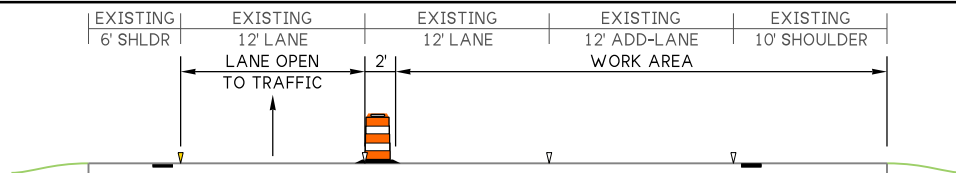
TYPICAL TRAFFIC CONTROL PLANS

SHEET 2A OF 3 SHEETS

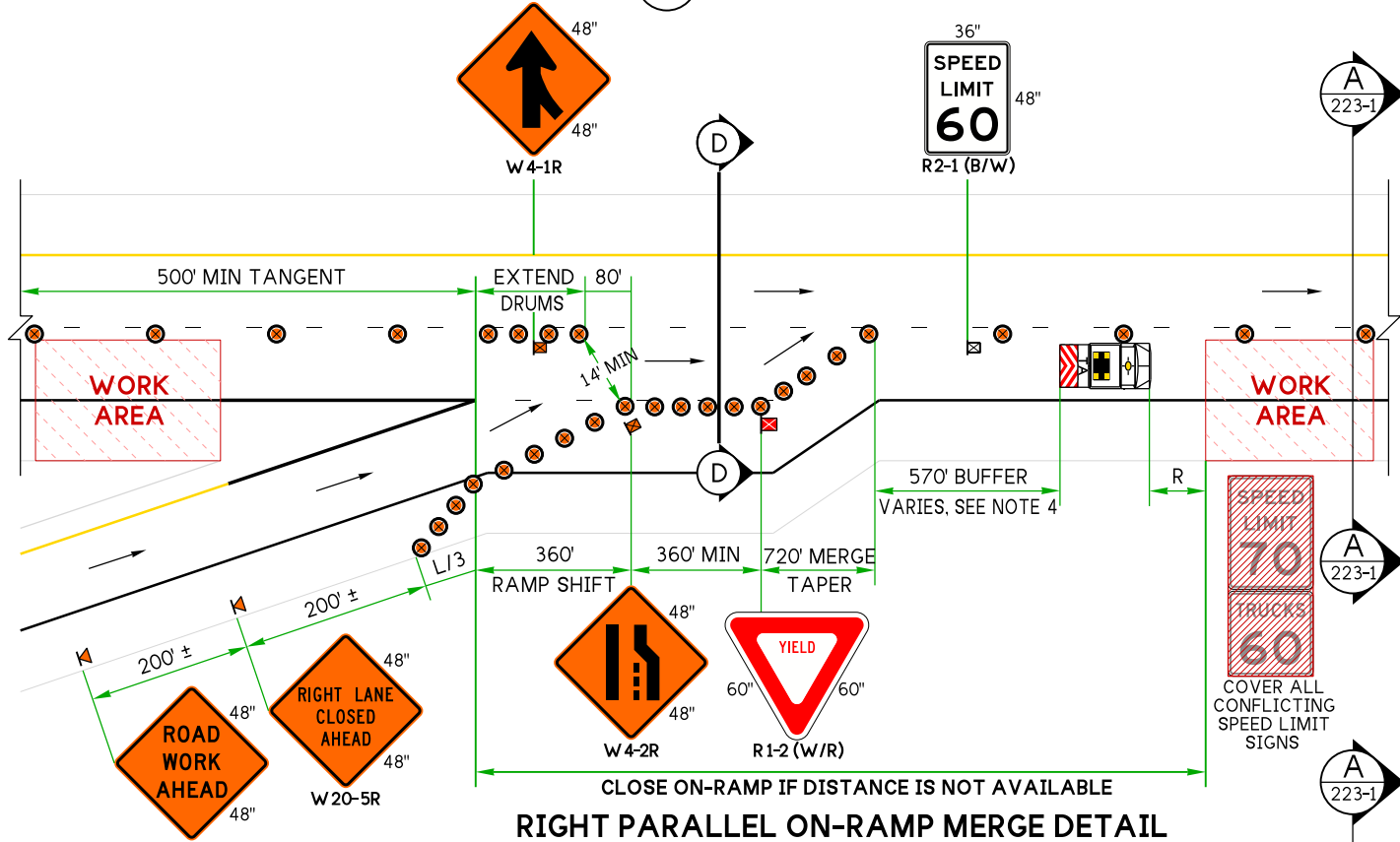
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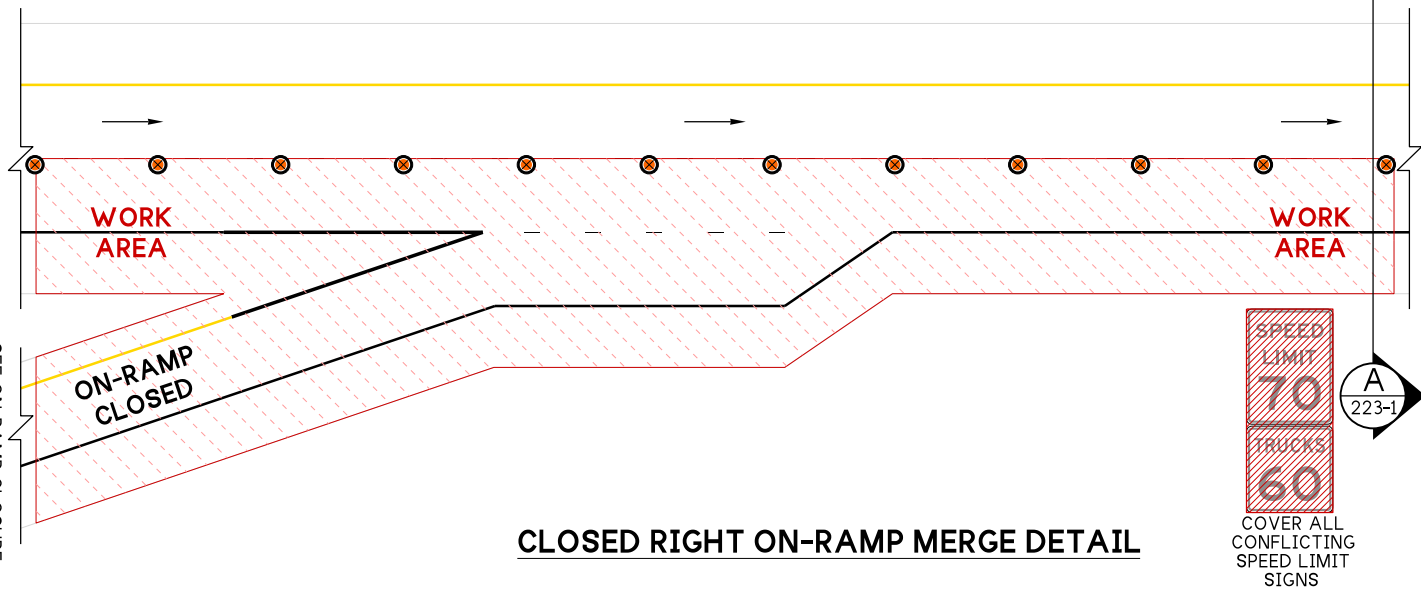
- NOTES:**
- 15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC223, SHEET 1A OR 1B.
 - 16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



SECTION (D-D)



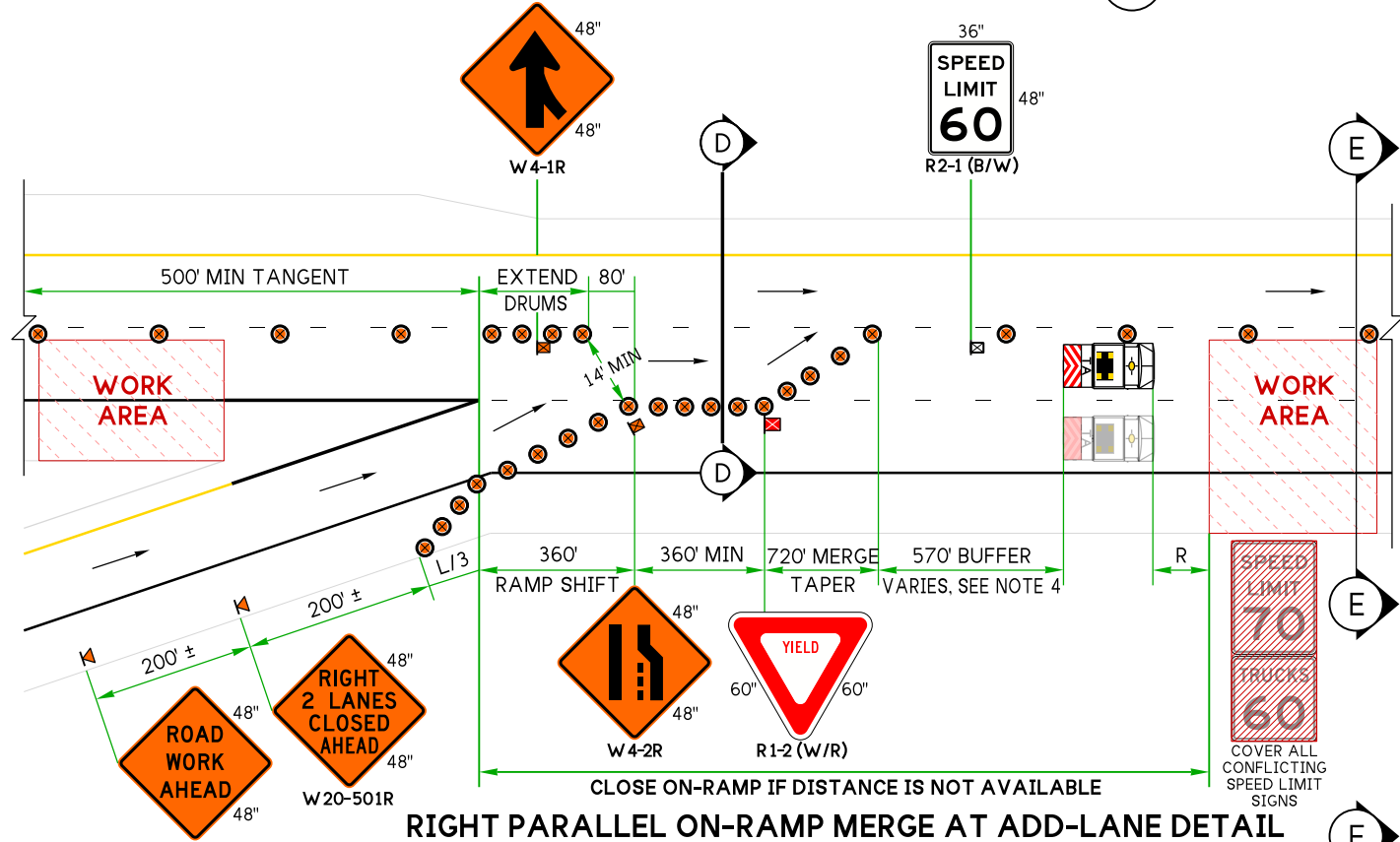
RIGHT PARALLEL ON-RAMP MERGE DETAIL



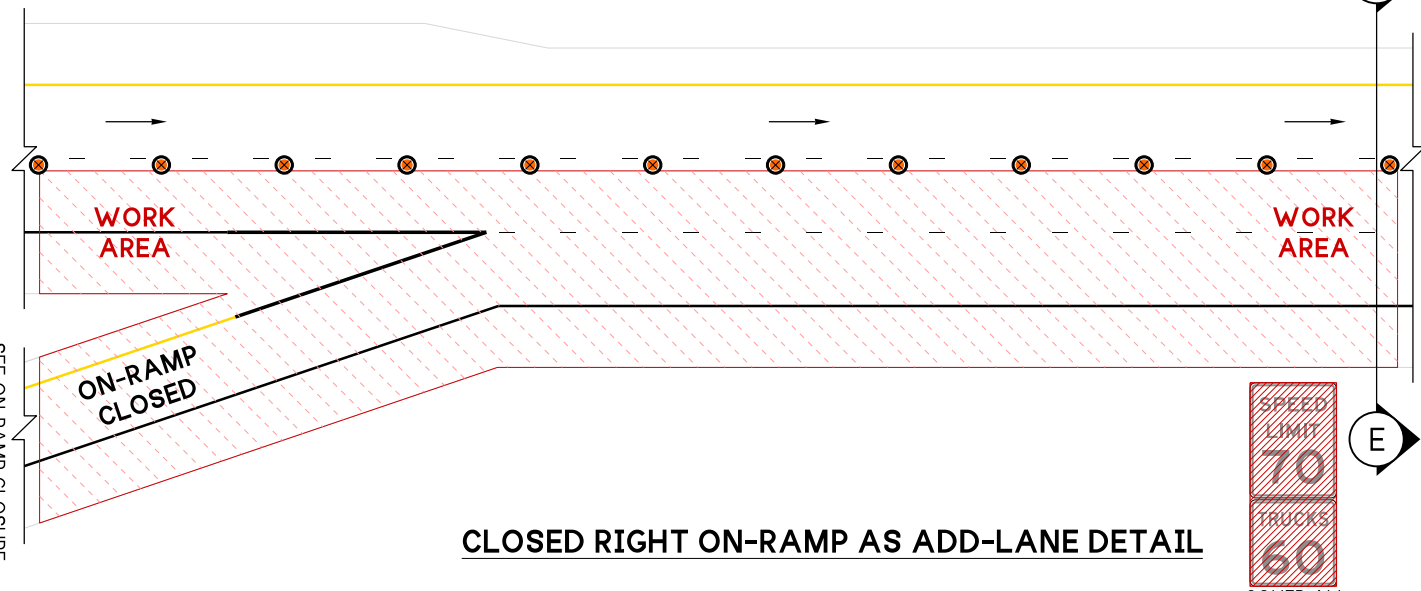
CLOSED RIGHT ON-RAMP MERGE DETAIL

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

SECTION (E-E)



RIGHT PARALLEL ON-RAMP MERGE AT ADD-LANE DETAIL



CLOSED RIGHT ON-RAMP AS ADD-LANE DETAIL

COVER ALL
CONFLICTING
SPEED LIMIT
SIGNS

FILE NAME	223_2B_Fwy1RtLane70to60WZSL.dgn
TIME	10:47:00 AM
DATE	20-NOV-2025
PLOTTED BY	LintzF
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PROJ. ENGR.	
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REVISION	DATE BY

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



PRELIMINARY PLAN

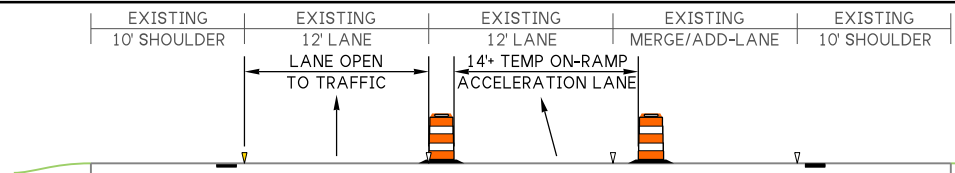
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DATE
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CERTIFICATION SHEET
DATE
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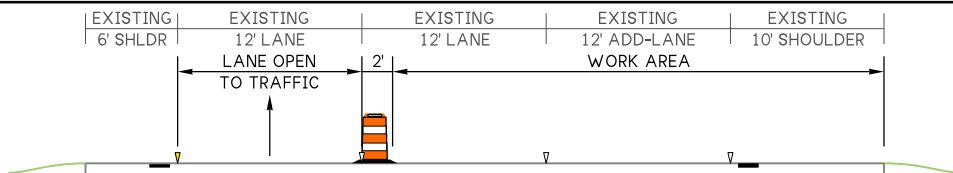
TYPICAL TRAFFIC CONTROL PLANS

PLAN REF NO
TC223
SHEET 2A OF 3 SHEETS

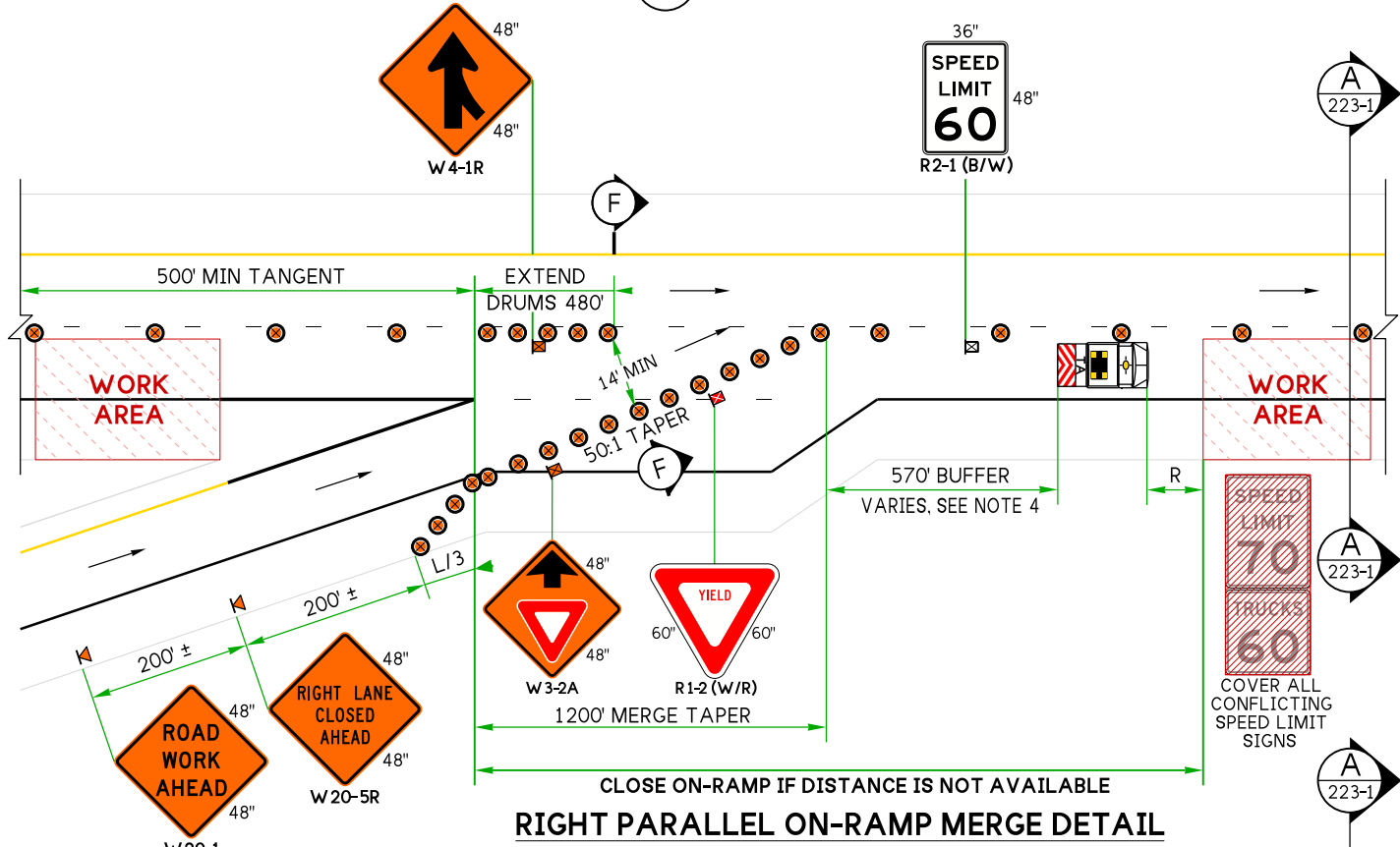
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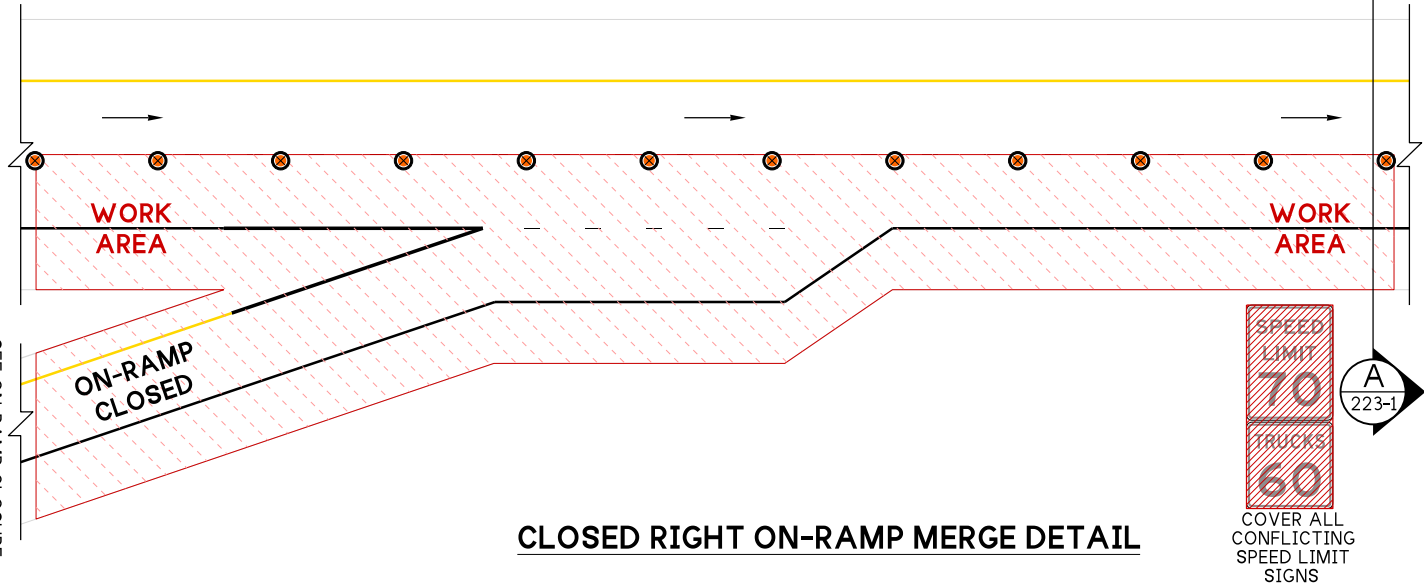
NOTES:
15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC223, SHEET 1A OR 1B.
16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



SECTION (F-F)



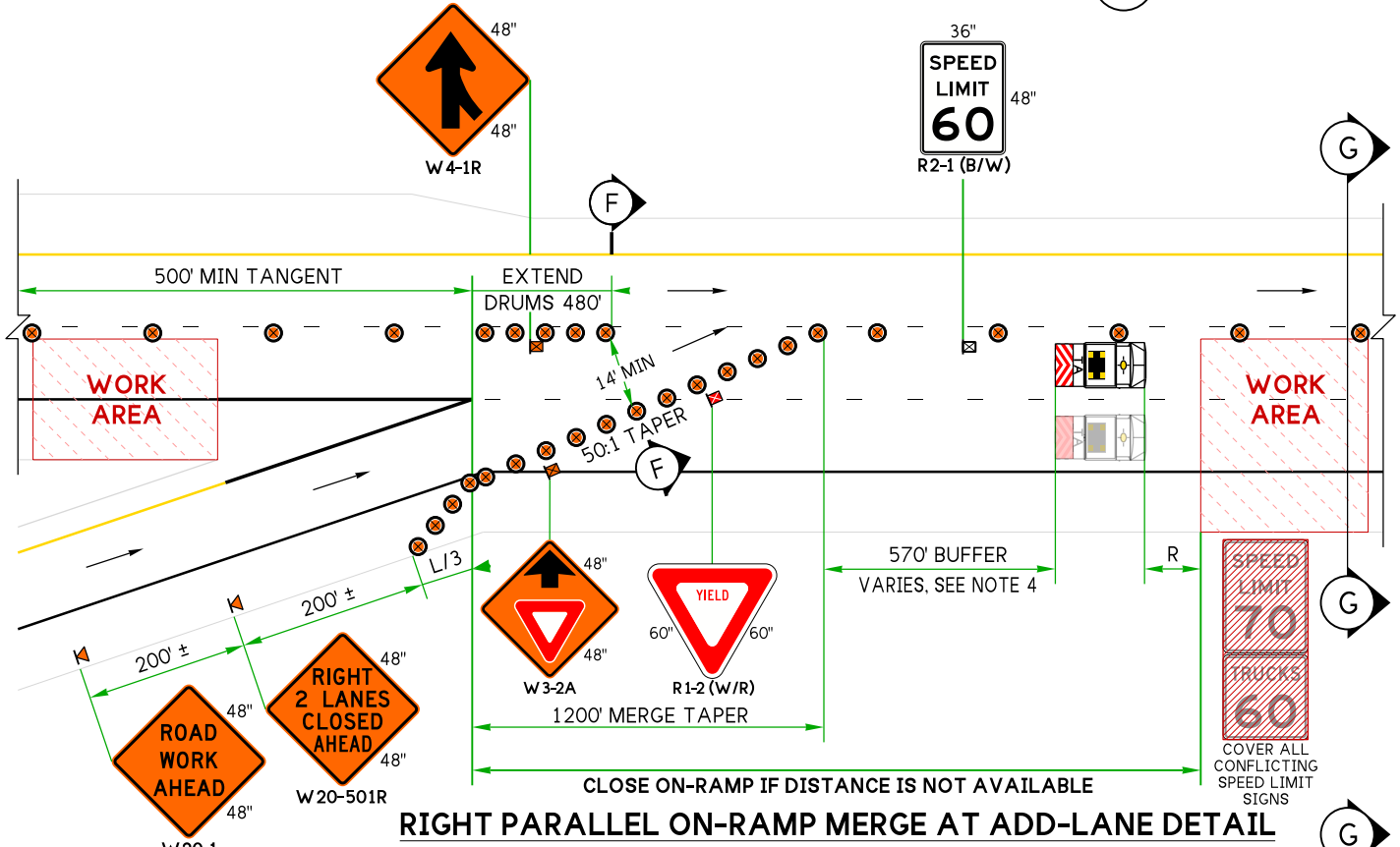
RIGHT PARALLEL ON-RAMP MERGE DETAIL



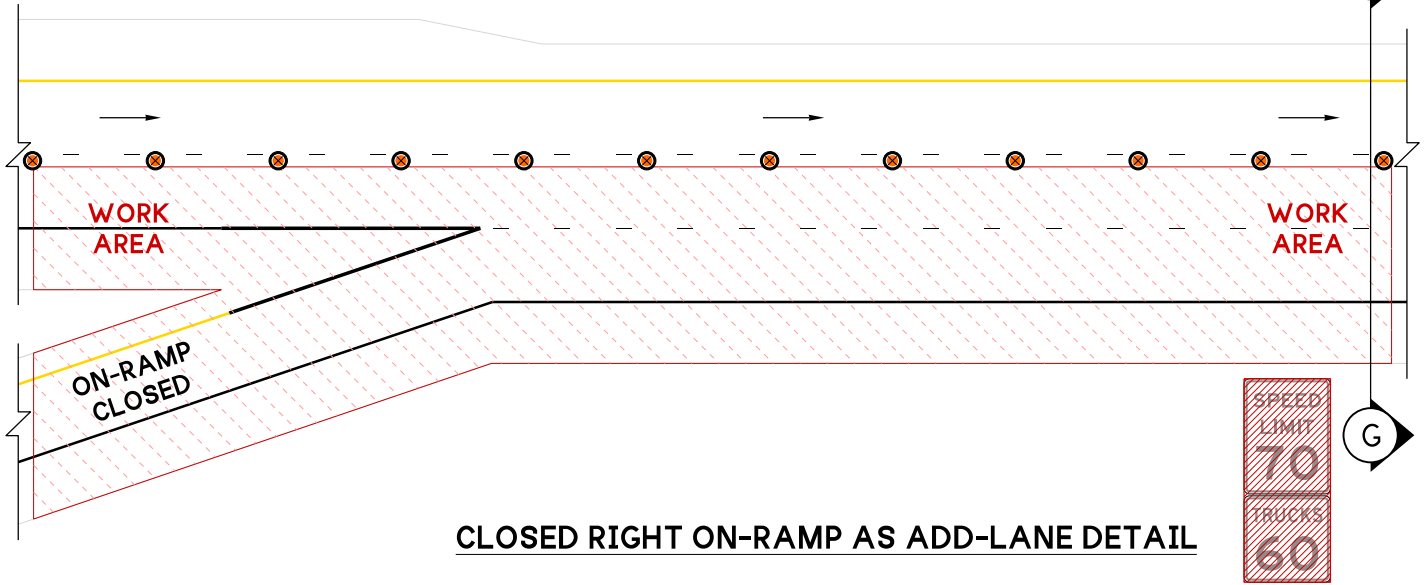
CLOSED RIGHT ON-RAMP MERGE DETAIL

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

SECTION (G-G)



RIGHT PARALLEL ON-RAMP MERGE AT ADD-LANE DETAIL



CLOSED RIGHT ON-RAMP AS ADD-LANE DETAIL

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TIME	10:47:36 AM
DATE	20-NOV-2025
PLOTTED BY	LintzF
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PROJ. ENGR.	
REGIONAL ADM.	
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BY	

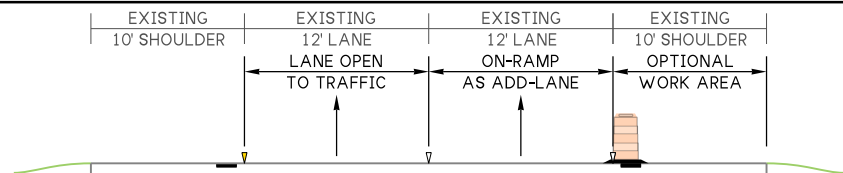
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CONTRACT NO.	LOCATION NO.	



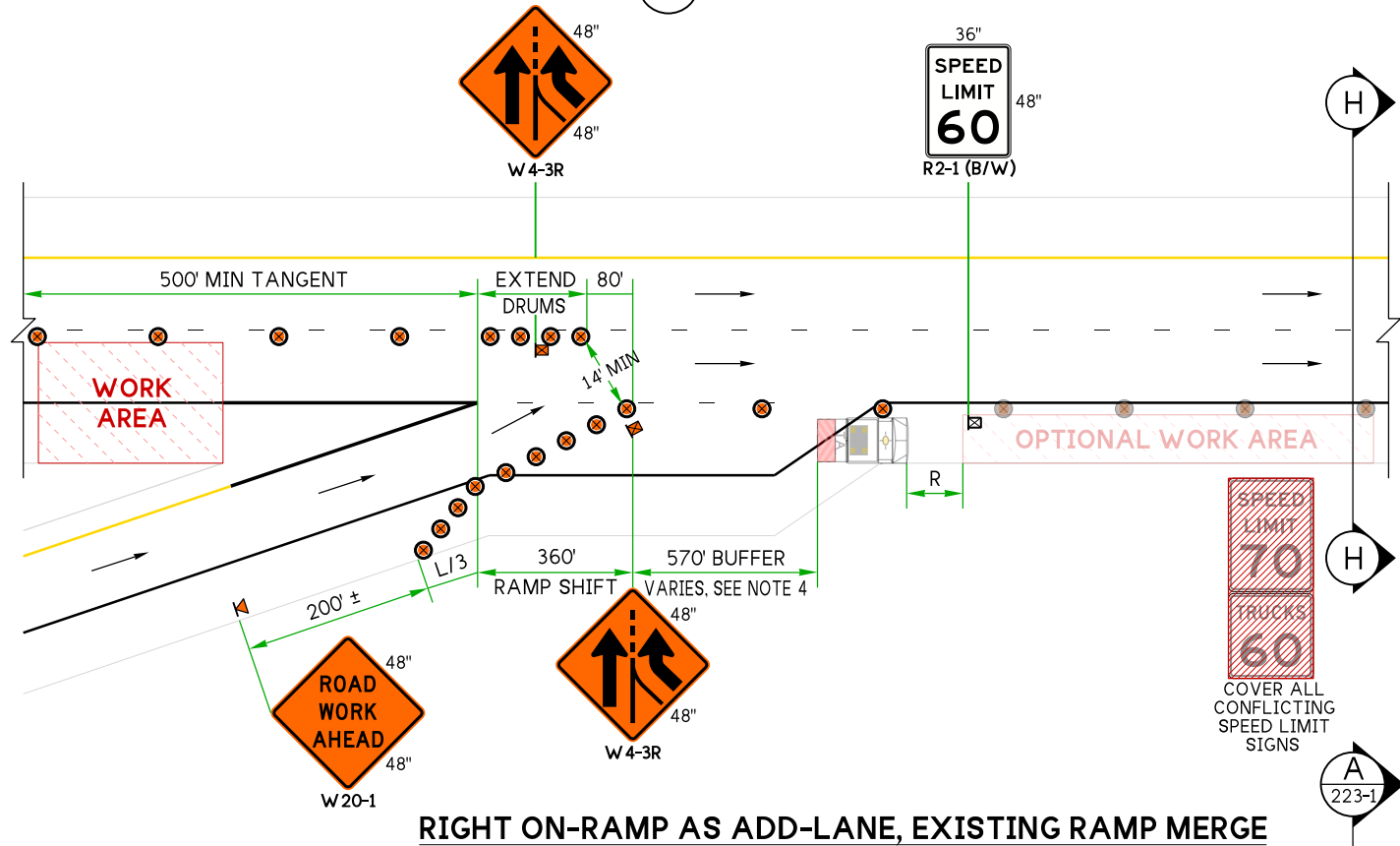
SEE CERTIFICATION SHEET DATE	SEE CERTIFICATION SHEET DATE
STAMP BOX	STAMP BOX

PLAN REF NO	TC223
SHEET 2C OF 3 SHEETS	TYPICAL TRAFFIC CONTROL PLANS

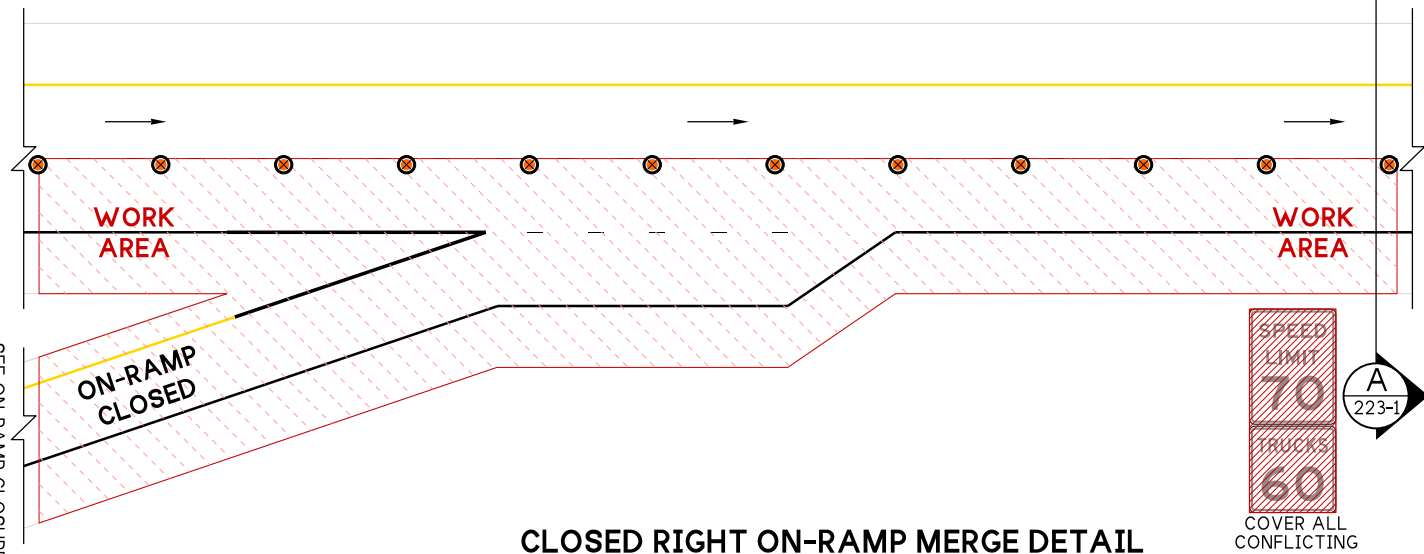
-HQ\Traffic\HQ_Traffic_Connect\HQ Work Zone\Typical TCPs\TC200s\projectstore.wsdot.wa.gov\WSDOT\



SECTION H-H



RIGHT ON-RAMP AS ADD-LANE, EXISTING RAMP MERGE

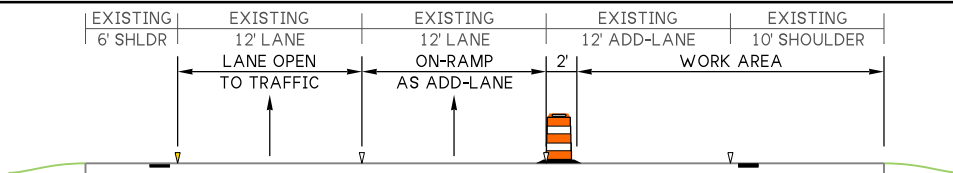


CLOSED RIGHT ON-RAMP MERGE DETAIL

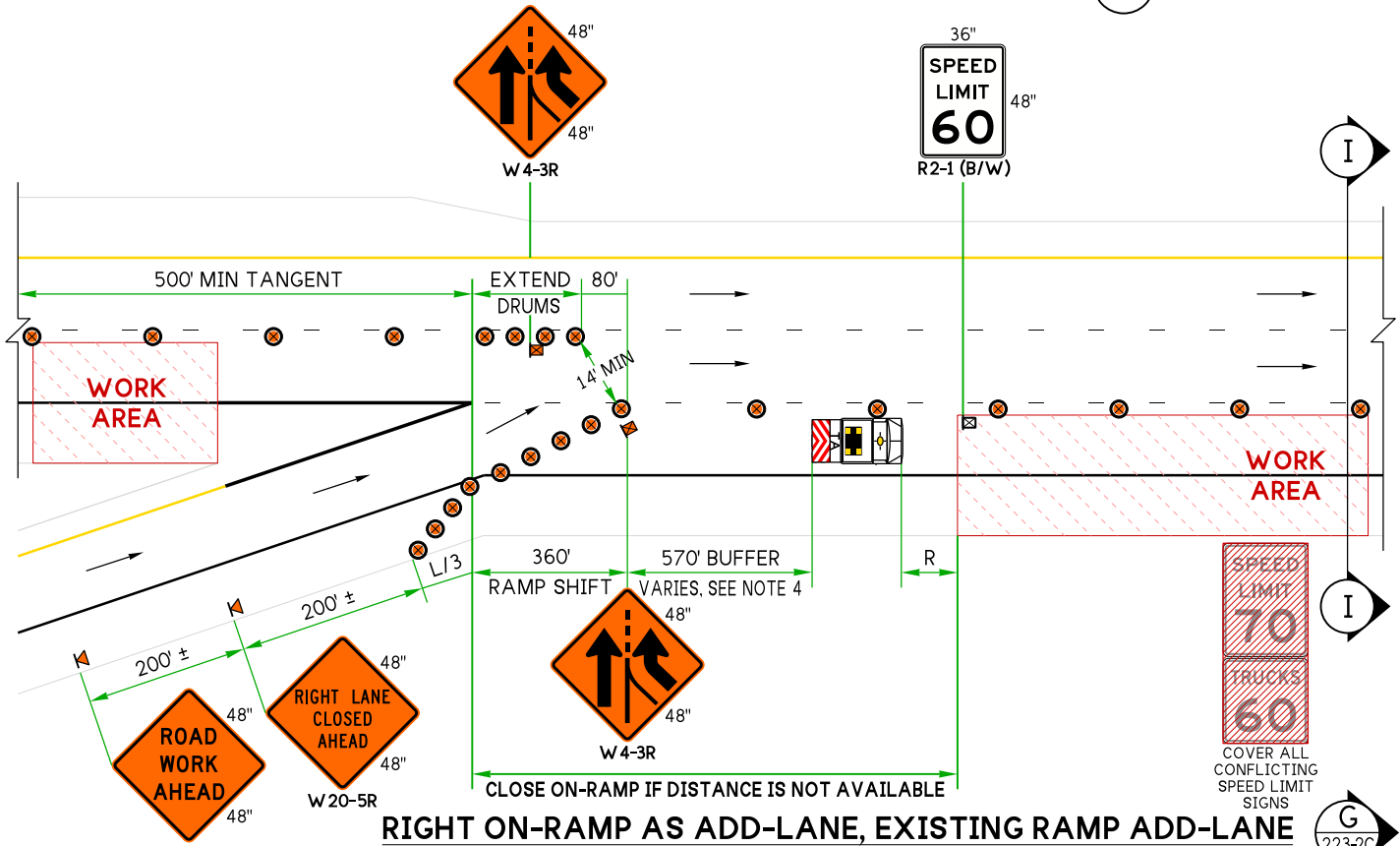
FREEWAY (2+ LANES): SINGLE RIGHT LANE CLOSURE (60 MPH WORK ZONE SPEED LIMIT)
NOT TO SCALE

NOTES:

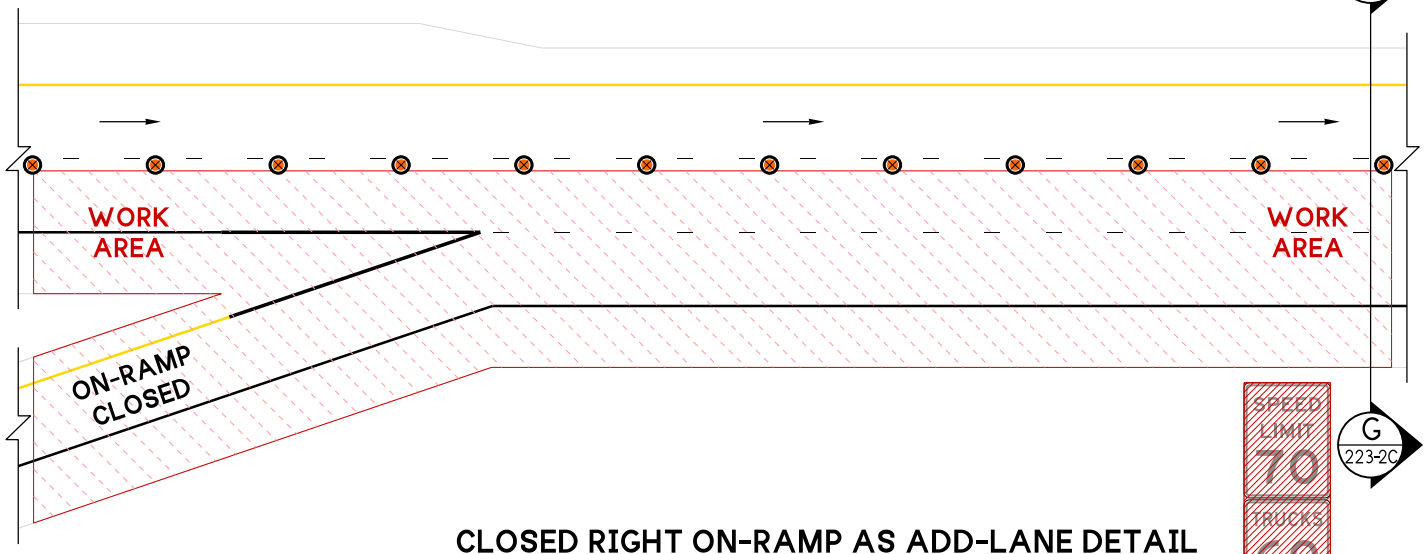
15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC223, SHEET 1A OR 1B.
16. SEE DETOUR PLAN FOR ADDITIONAL RAMP CLOSURE DETOUR SIGNAGE.



SECTION I-I



RIGHT ON-RAMP AS ADD-LANE, EXISTING RAMP ADD-LANE



CLOSED RIGHT ON-RAMP AS ADD-LANE DETAIL

COVER ALL
CONFLICTING
SPEED LIMIT
SIGNS

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REGION NO.	STATE	FED. AID PROJ. NO.
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PRELIMINARY PLAN

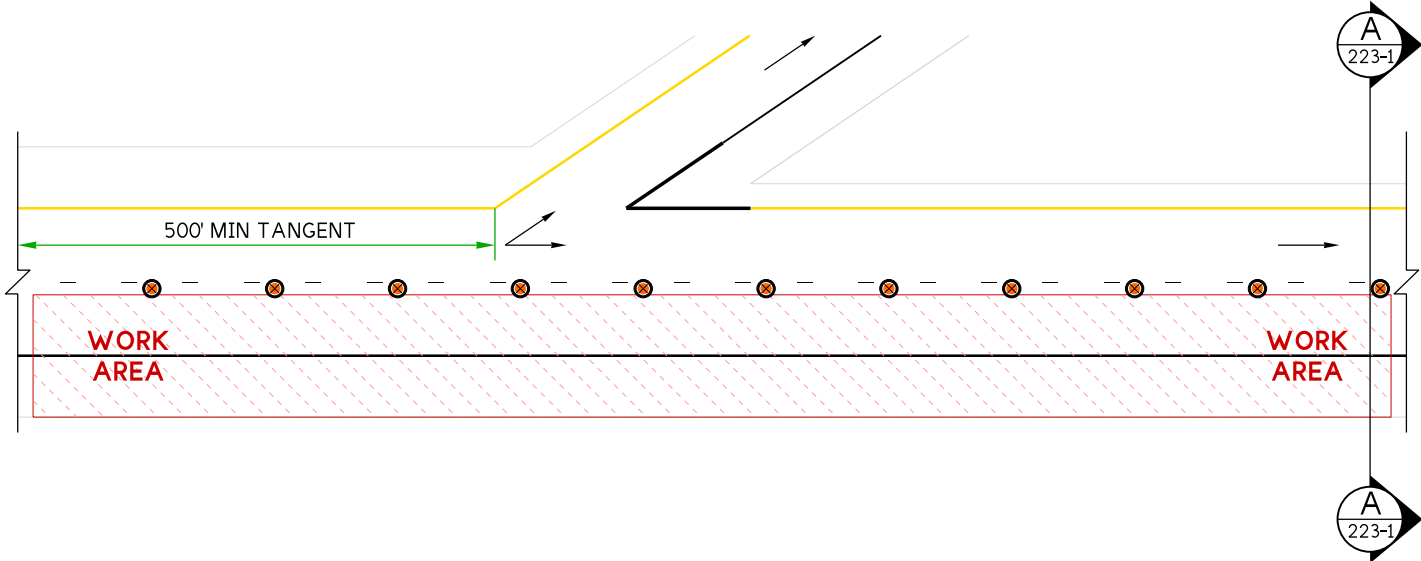
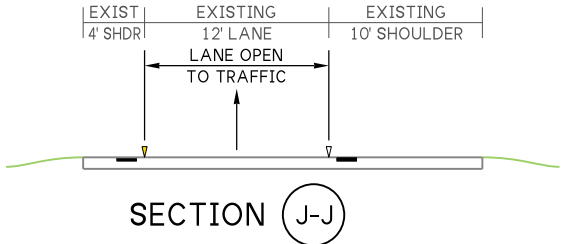
SEE
CERTIFICATION SHEET
DATE
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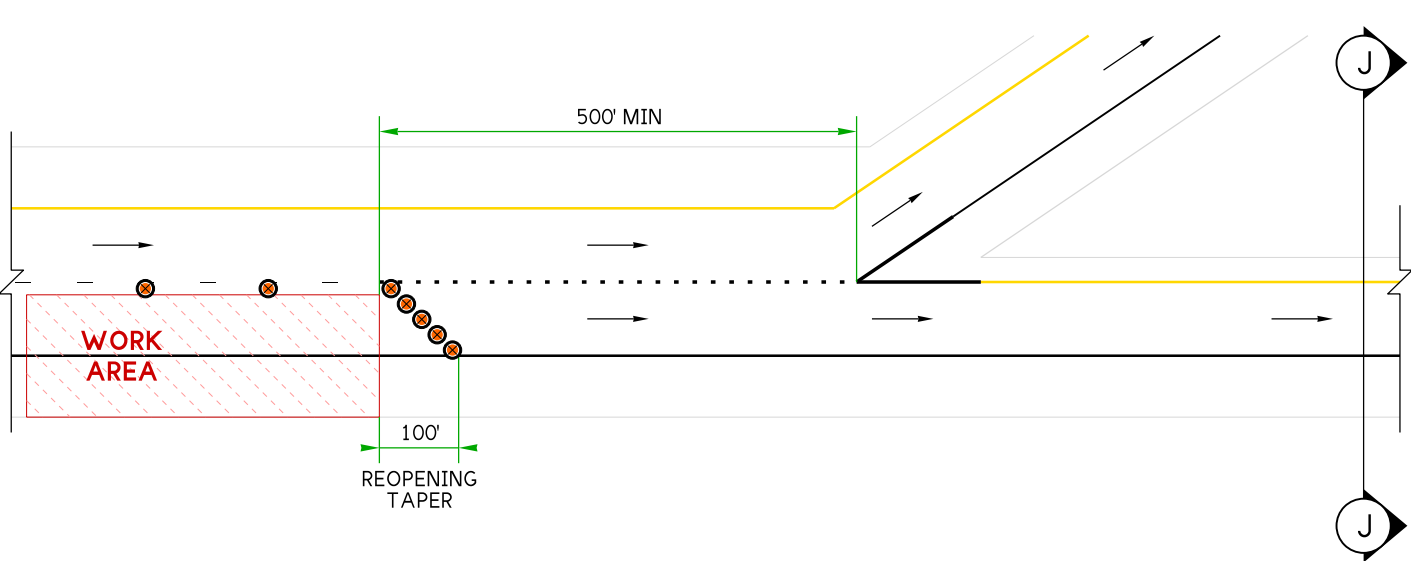
TYPICAL TRAFFIC CONTROL PLANS

PLAN REF NO
TC223
SHEET 2D OF 3 SHEETS

NOTES:
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OPEN LEFT EXIT-RAMP DETAIL



OPEN LEFT EXIT-ONLY DETAIL

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

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

FREEWAY (2+ LANES): SINGLE RIGHT LANE CLOSURE (60 MPH WORK ZONE SPEED LIMIT)
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FILE NAME	223_3A_Fwy1RtLane70to60WZSL.dgn	REGION NO.	STATE	FED. AID PROJ. NO.
TIME	10:48:13 AM	10	WASH	
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PLOTTED BY	LintzF			
DESIGNED BY		CONTRACT NO.	LOCATION NO.	
ENTERED BY				
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PROJ. ENGR.				
REGIONAL ADM.		REVISION	DATE	BY

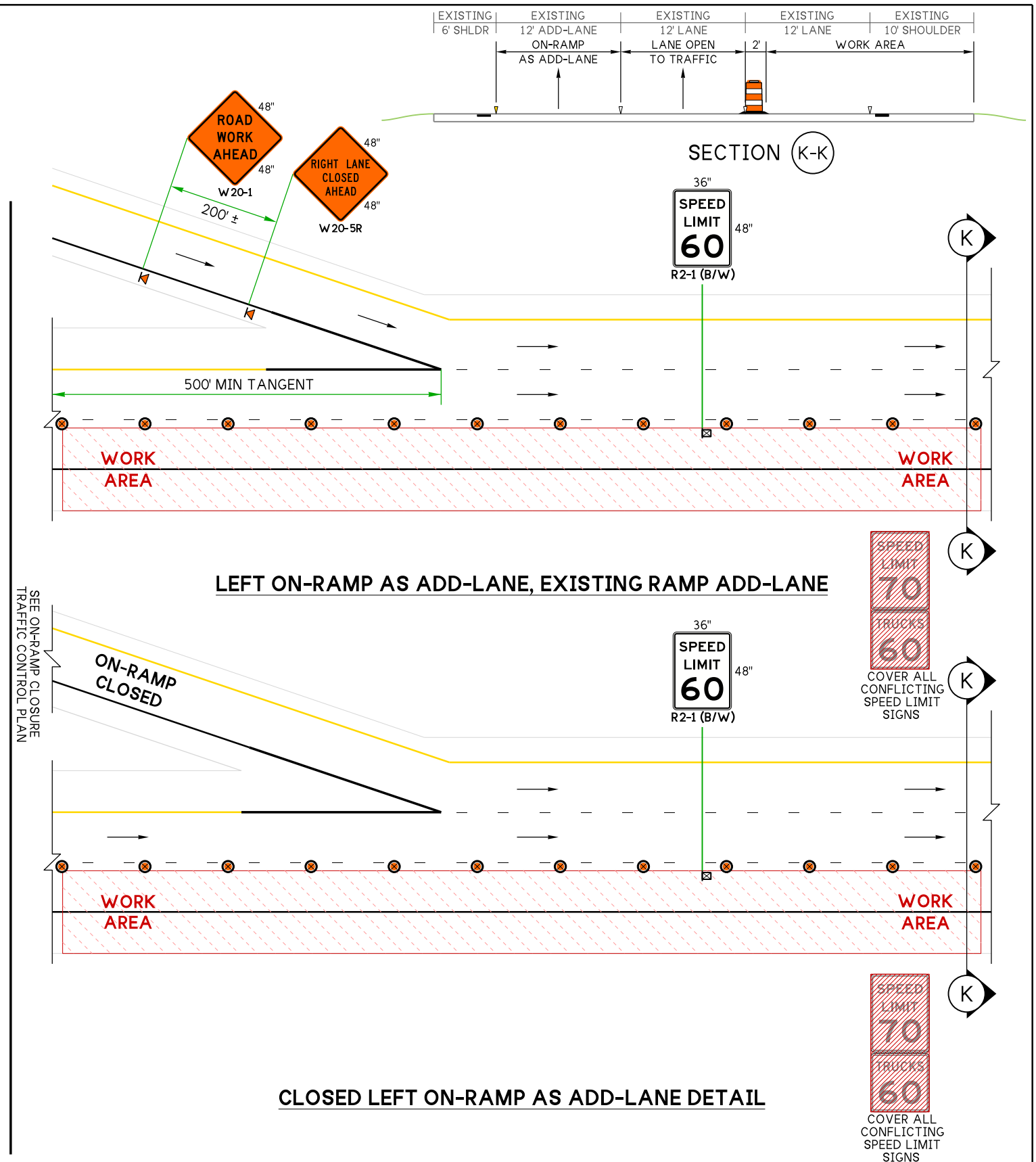


SEE CERTIFICATION SHEET DATE	SEE CERTIFICATION SHEET DATE	TYPICAL TRAFFIC CONTROL PLANS
STAMP BOX	STAMP BOX	

PLAN REF NO
TC223
SHEET 3A OF 3 SHEETS

15. FOR LEGEND, TABLES, AND ADDITIONAL NOTES: SEE TC223, SHEET 1A OR 1B.

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



NOT TO SCALE

FILE NAME223_3B_Fwy1RtLane70to60WZSL.dgn				REGION NO.	STATE	FED. AID PROJ. NO.	 PRELIMINARY PLAN	<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	10:47:36 AM			10	WASH						TC223
DATE	20-NOV-2025			JOB NUMBER							SHEET 3B OF 3 SHEETS
PLOTTED BY	LintzF			CONTRACT NO.							
DESIGNED BY											
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PROJ. ENGR.											
REGIONAL ADM.	REVISION	DATE	BY								

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