TC

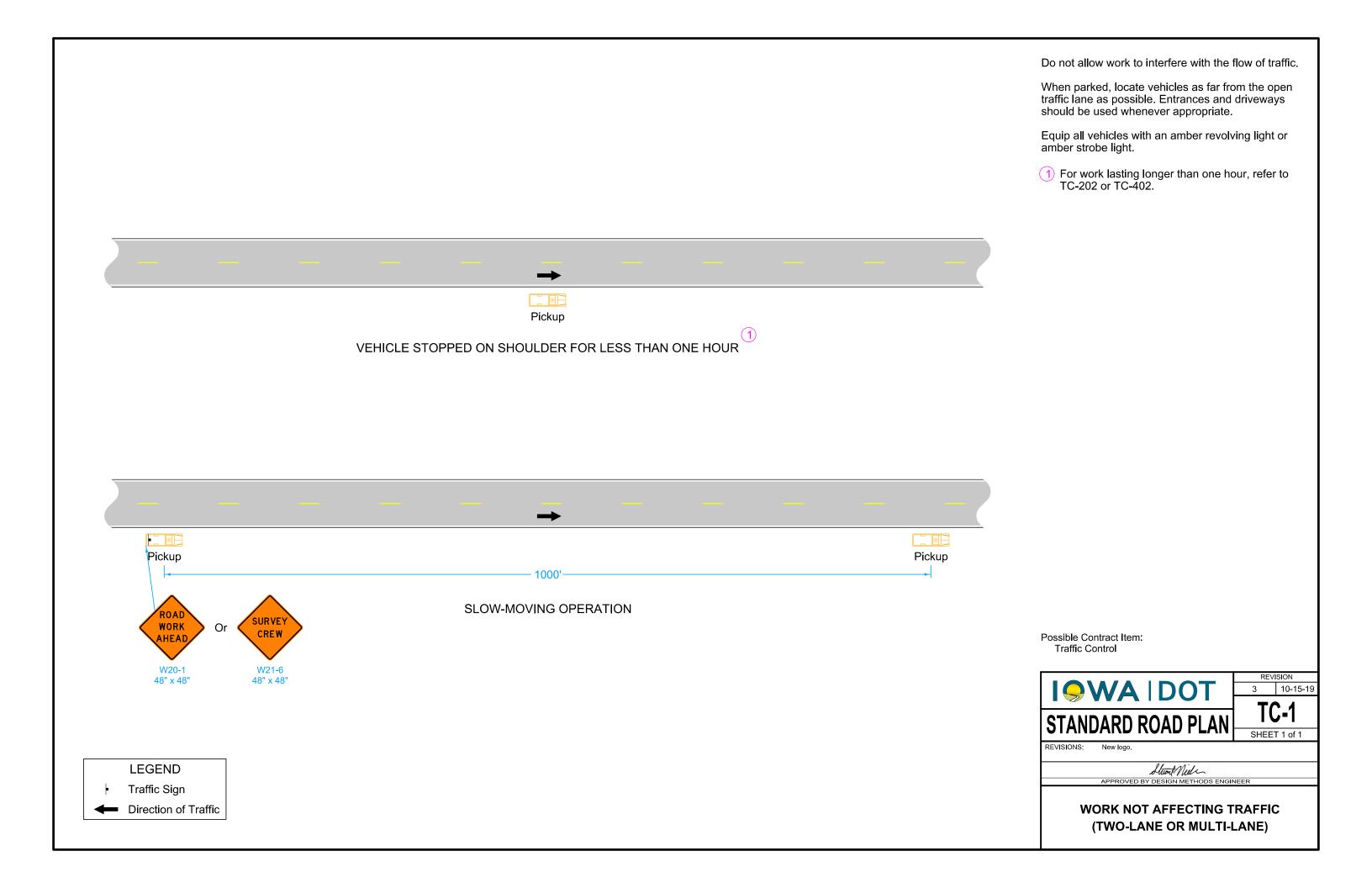
NO.	DATE	TITLE		
		Two-Lane and Multi-Lane Roadways		
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)		
TC-61	04-15-25	Two-Lane, Two-way Operation		
TC-62	10-15-24	Permanent Two-Lane to Four-Lane Divided Transition.		
TC-63	04-18-23	Lane Closure at Two-Lane to Four-Lane Transition.		
TC-64	04-18-23	Lane Closure at Two-Lane to Four-Lane Transition with Flagger		
TC-81	04-18-23	Restricted Width Signing (Less Than 15.5 Feet)		
		Two-Lane Roadways		
TC-202	04-18-23	Work Within 15 ft of Traveled Way		
TC-203	04-18-23	Aerial Seeding Operations		
TC-211	10-15-19	Lane Closure on Low Volume Roadway		
TC-212	04-18-23	Spot Location Lane Closure with Flaggers		
TC-213	04-18-23	Lane Closure with Flaggers		
TC-214	04-18-23	Lane Closure with Flaggers for use with Pilot Car		
TC-215	04-16-24	Lane Closure with Signals (Up to Three Days)		
TC-216	04-18-23	Lane Closure with Signals		
TC-217	04-18-23	Lane Closure with Signals and TBR		
TC-218	04-18-23	Lane Closure with Pilot Car and Flagger Operated Signals		
TC-228	04-18-23	Lane Closure Involving TWLTL		
TC-231	04-18-23	Slow Moving Vehicle Operating in the Traffic Lane		
TC-232	10-21-14	Shoulder Rumble Strip Operations		
TC-233	10-17-17	Pavement Marking Operations Two-Lane		
TC-234	04-18-23	Strip Sealing Operations		
TC-235	04-18-23	Edge Rut Repair		
TC-251	04-18-23	Temporary Road Closure		
TC-252	04-21-20	Routes Closed to Traffic		

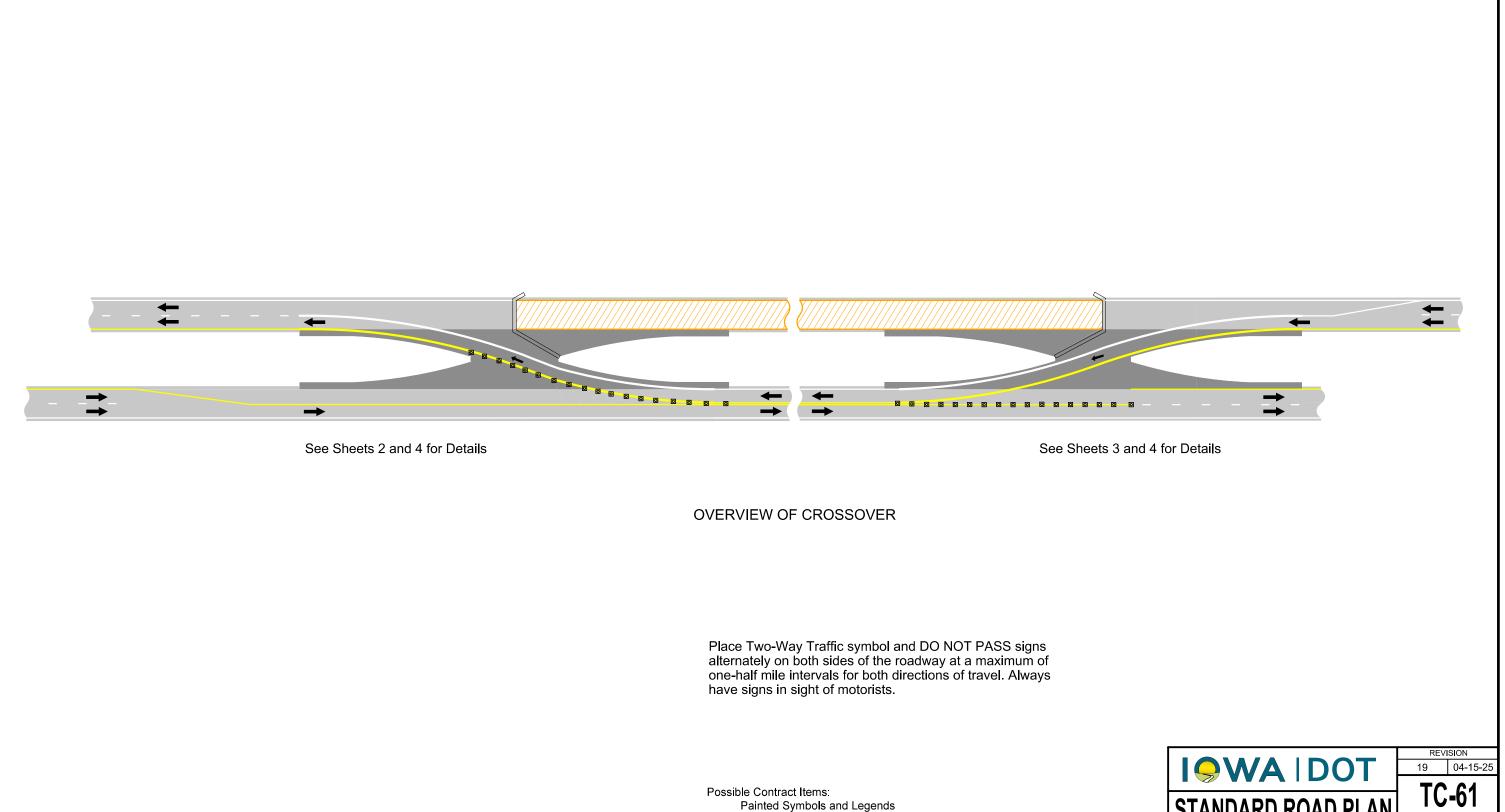
TC

NO.	DATE	TITLE	
TC-253	04-18-23	Paved On-Site Detour	
TC-271	04-18-23	Signalized Equipment Crossing	
TC-272	04-18-23	Unsignalized Equipment Crossing	
TC-273	10-15-19	Construction Site Entrance	
TC-282	10-15-19	Uneven Lanes	
TC-283	04-18-23	Surveying Operations	
TC-284	10-15-19	No Centerline Markings on Non-Primary Roadways	
		Multi-Lane Roadways	
TC-402	04-18-23	Work Within 15 ft of Traveled Way	
TC-403	04-18-23	Aerial Seeding Operations	
TC-415	04-18-23	Stort Term Lane Closure with TMA	
TC-416	10-15-19	Partial Lane Closure on Ramps	
TC-417	04-21-20	Ramp Closure	
TC-418	04-18-23	Lane Closure on Divided Highway	
TC-419	04-18-23	Lane Closure on Undivided Highway	
TC-420	10-16-18	Lane Closure at Ramps	
TC-421	04-15-25	Lane Closure with TBR	
TC-422	04-18-23	Closure of Two Adjacent Lanes on Divided Highway	
TC-423	04-18-23	Closure of Two Adjacent Lanes on Undivided Highway	
TC-429	04-18-23	Closure of Continuous Two-Way Left Turn Lane and Adjacent Lane	
TC-431	04-15-25	Slow Moving Vehicle Operating in the Traffic Lane	
TC-432	10-17-17	Shoulder Rumble Strip Operations	
TC-433	10-17-17	Pavement Marking Operations	
TC-435	04-18-23	Multi-Line Closure For Mobile Operation 50 mph or Greater	
TC-451	04-18-23	Temporary Road Closure on Divided Highway	
TC-454	04-18-23	Temporary Detour Using Ramps on Divided Highway	
TC-482	04-19-22	Uneven Lanes	

TC

DATE	TITLE
10-15-19 10-15-19	Pedestrian Detour Sidewalk Diversion
	10-15-19





Pavement Marking Items

Safety Closures

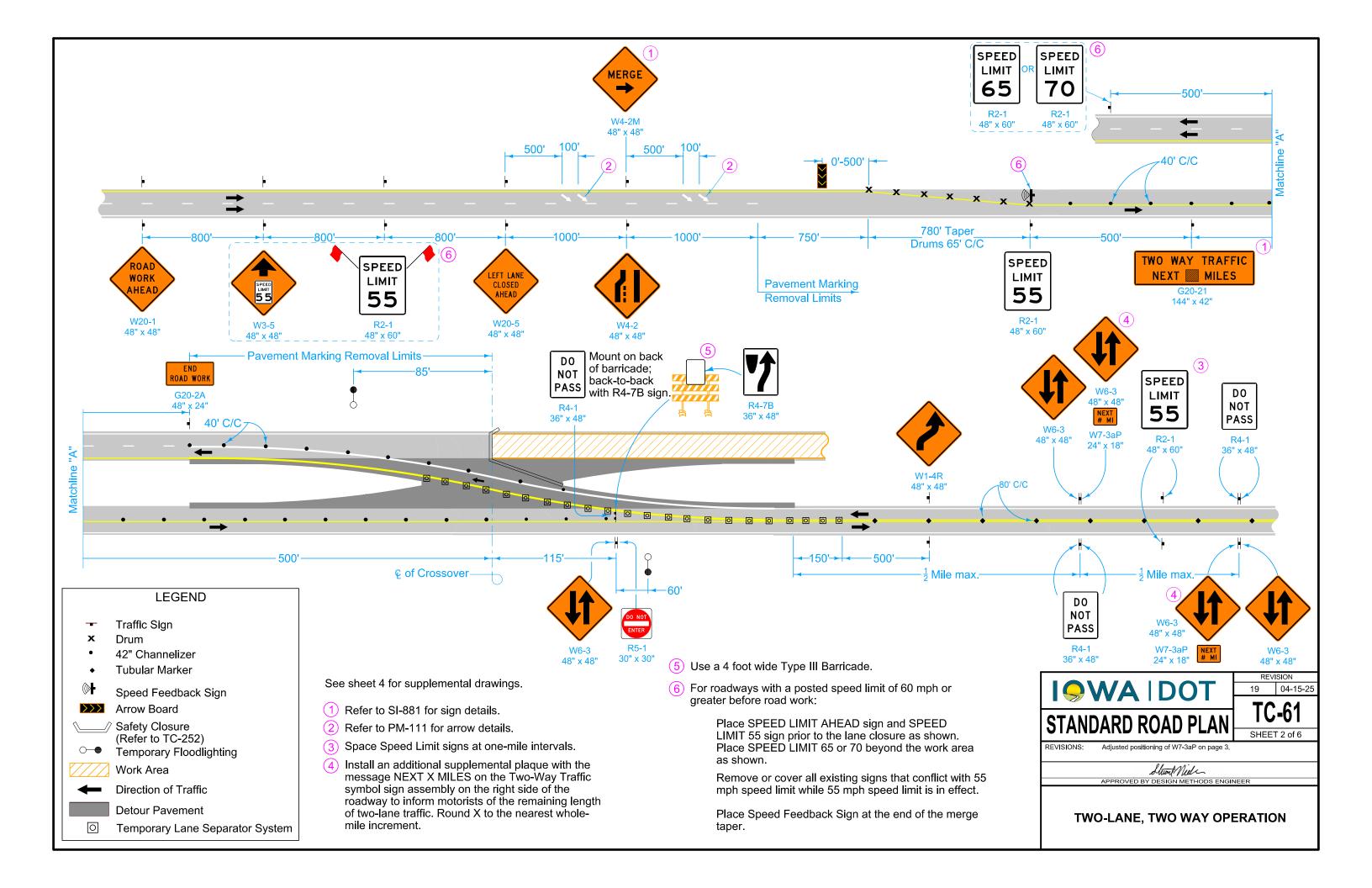
Traffic Control Possible Tabulations:

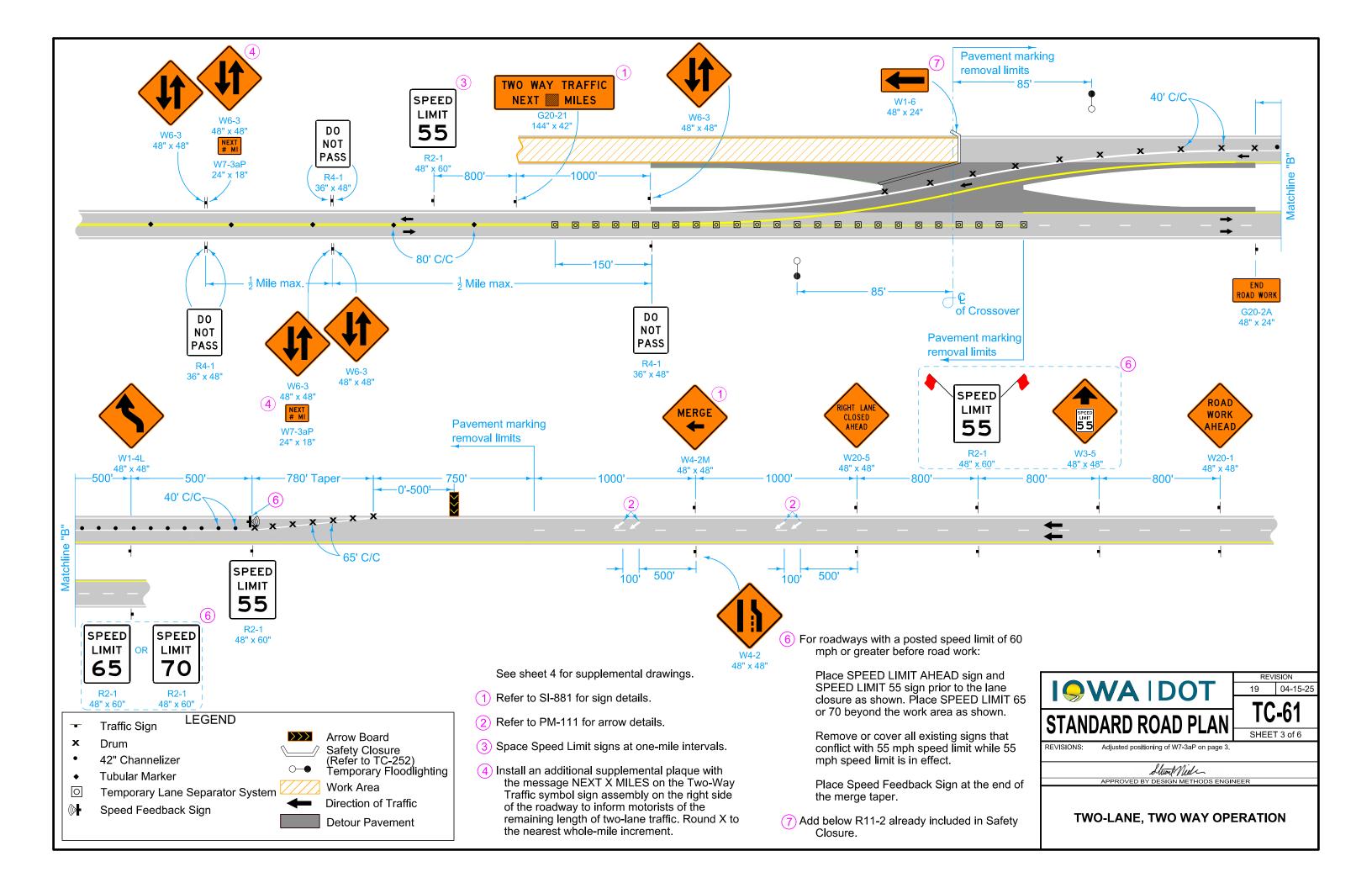
Pavement Marking Removed

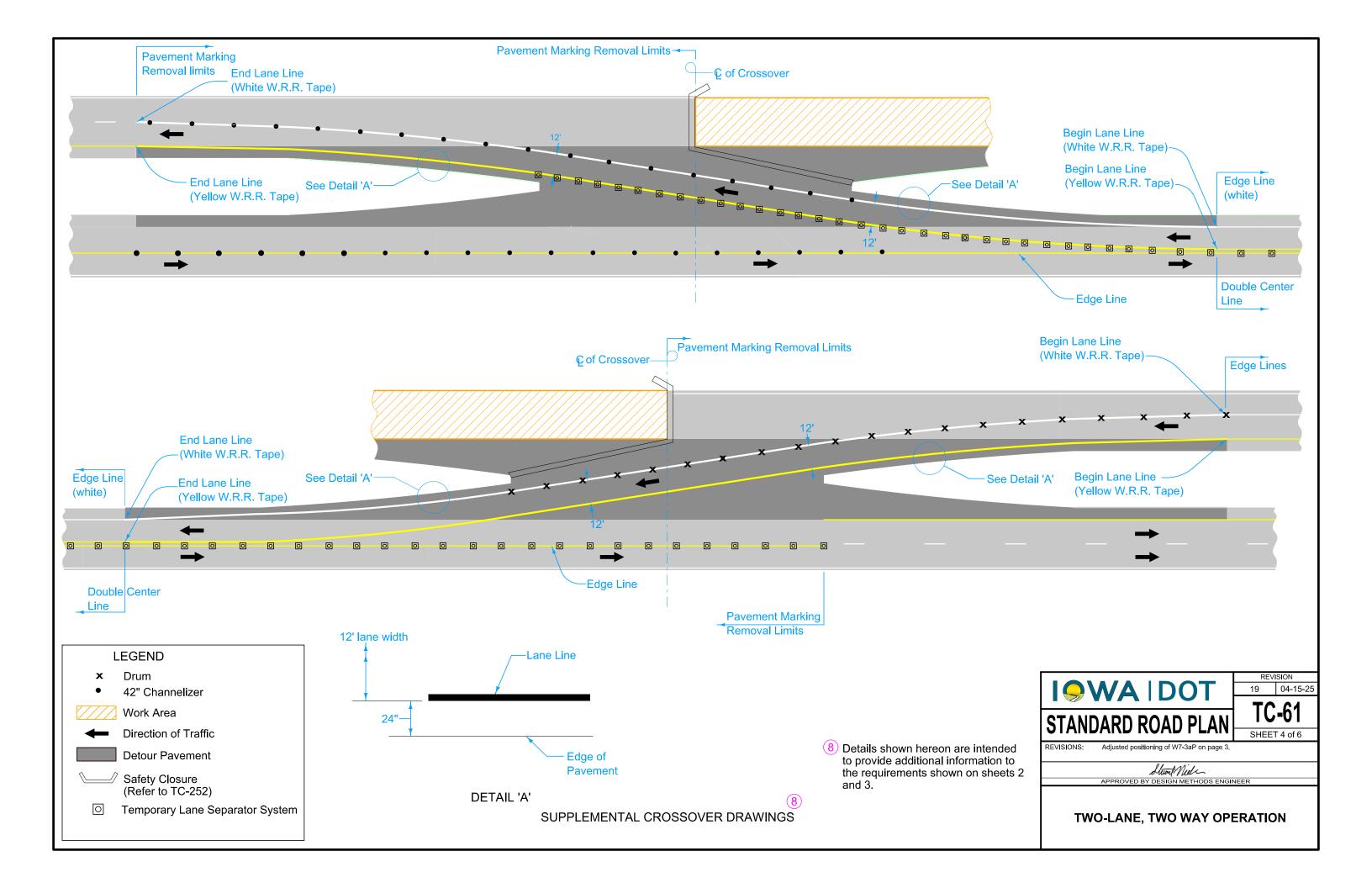
Temporary Floodlighting
Temporary Lane Separator System

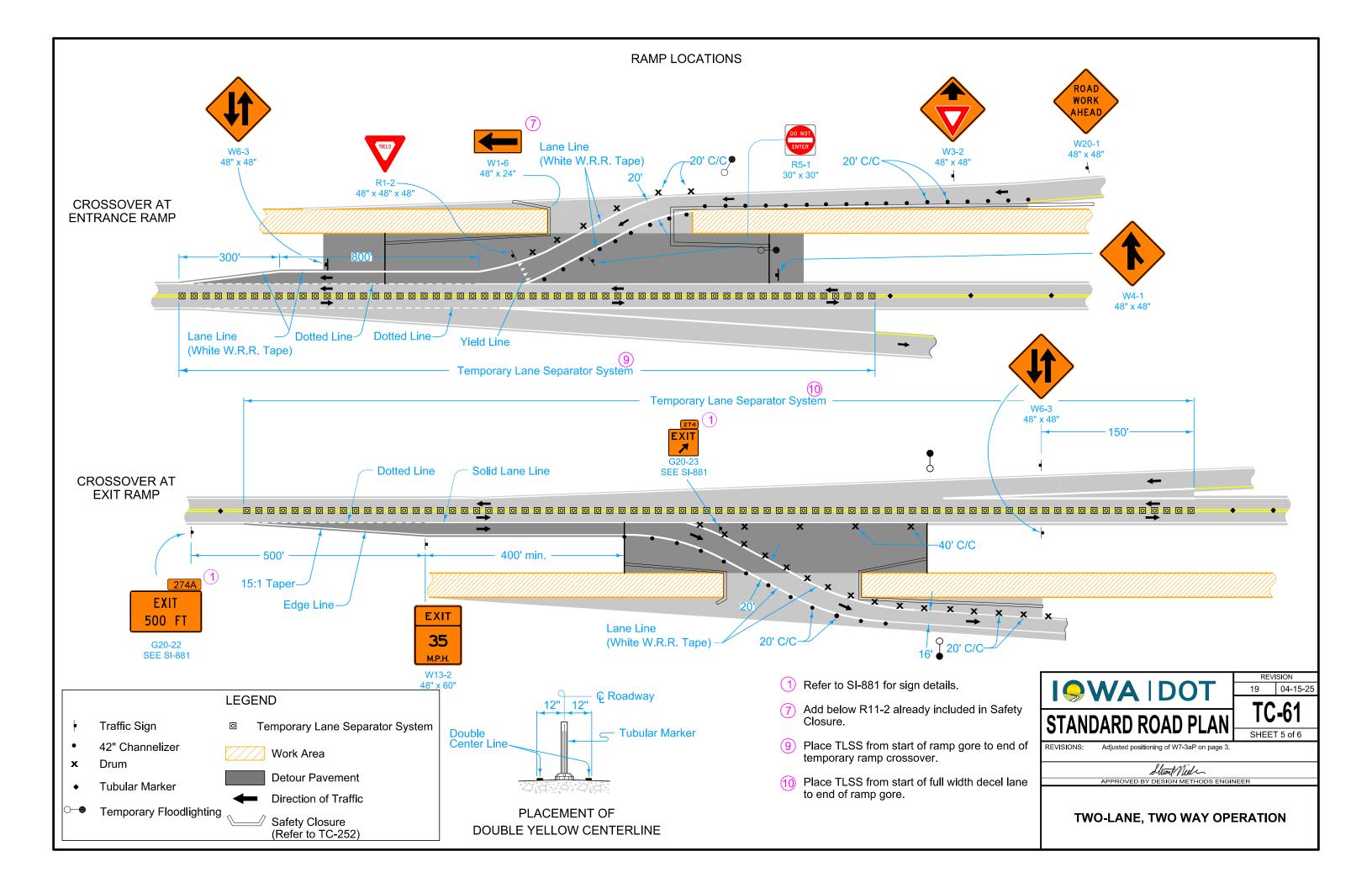
108-13A, 108-22, 108-27, 108-29, 108-30, 108-33, 108-35

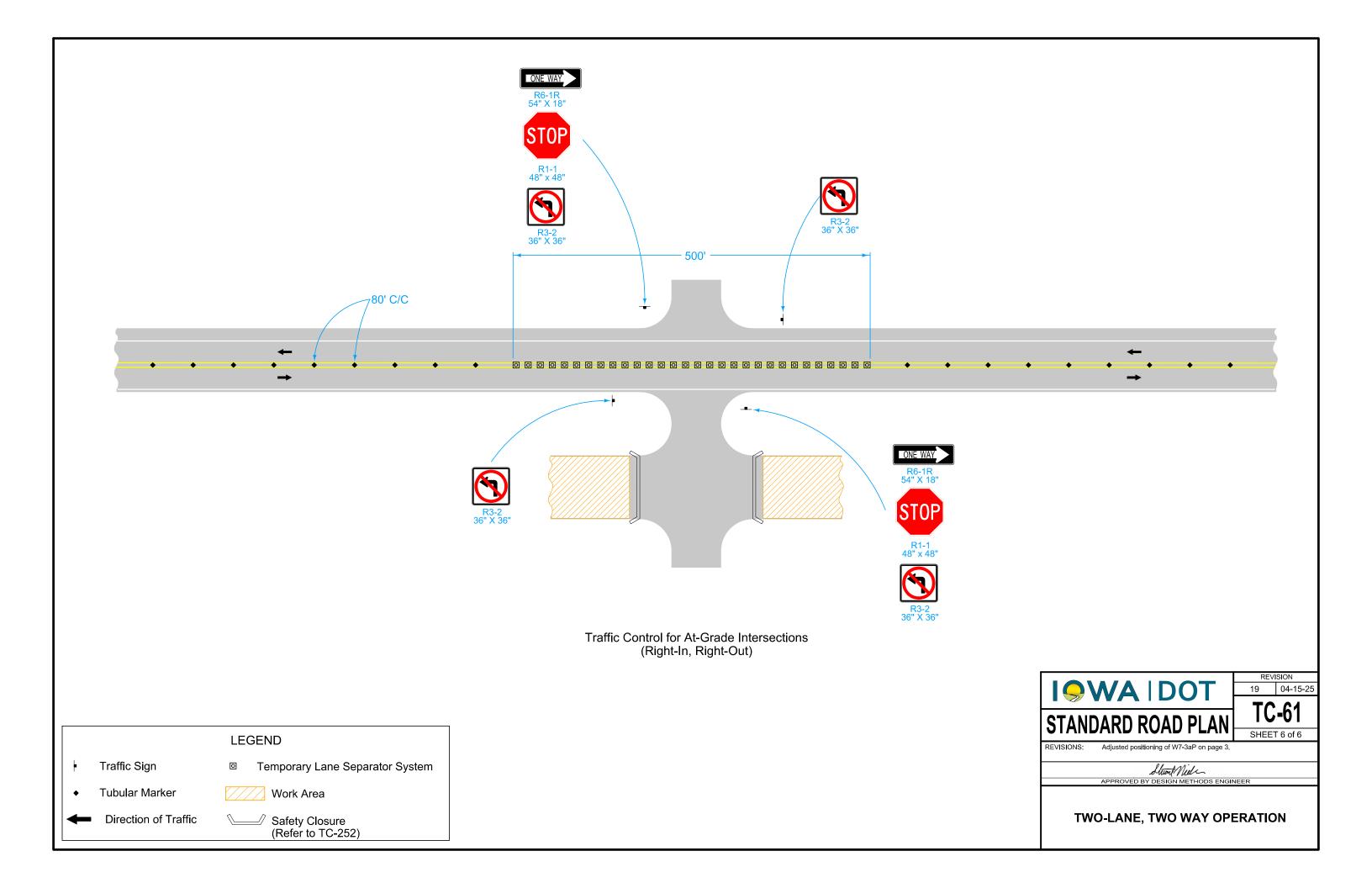
TC-61 SHEET 1 of 6 REVISIONS: Adjusted positioning of W7-3aP on page 3. Stunt Mills
APPROVED BY DESIGN METHODS ENGINEER TWO-LANE, TWO WAY OPERATION

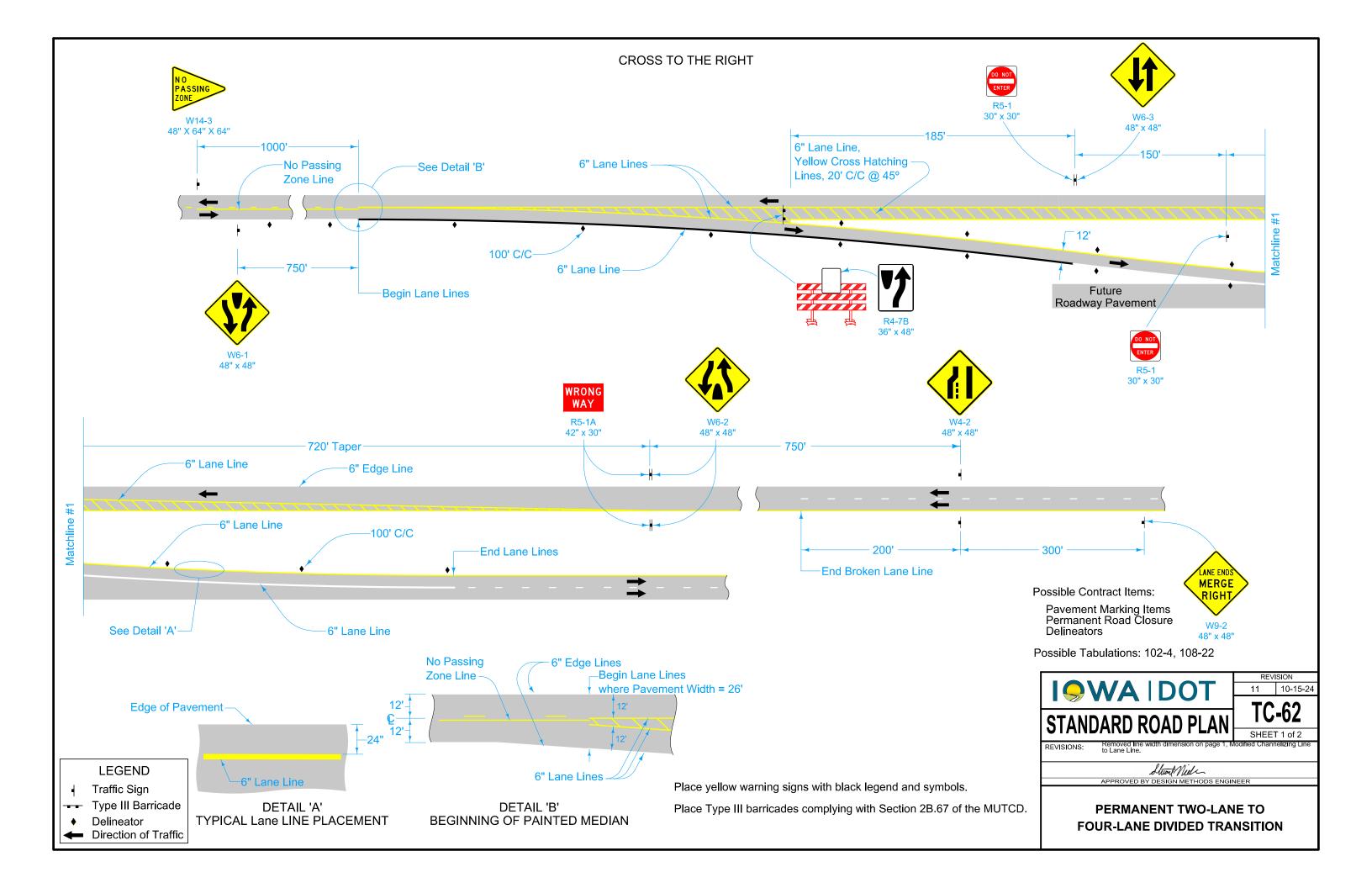


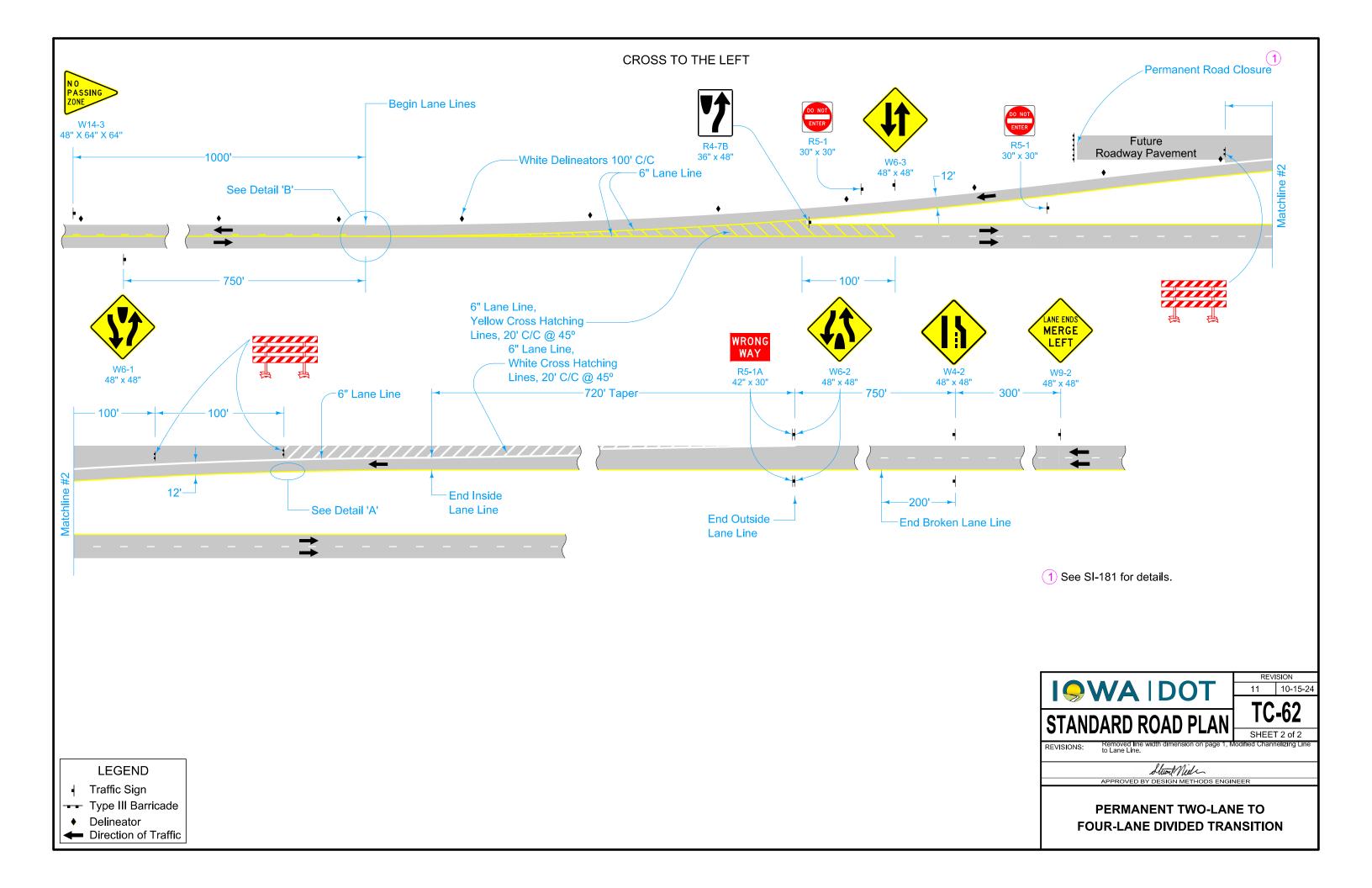


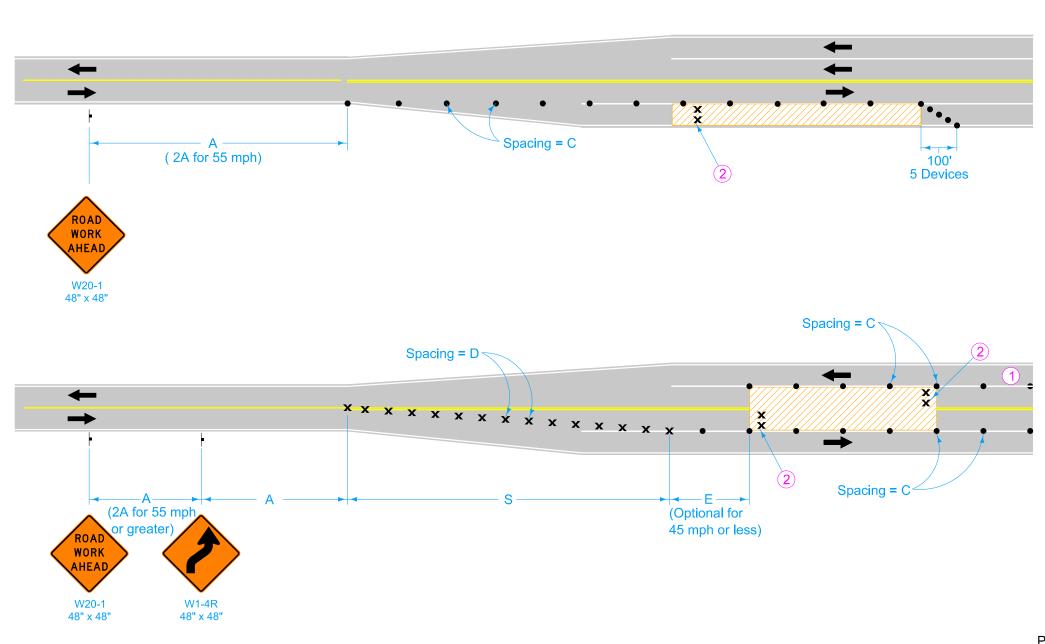












LEGEND

- Traffic Sign
- 42" Channelizer
- **x** Drum
- Work Area

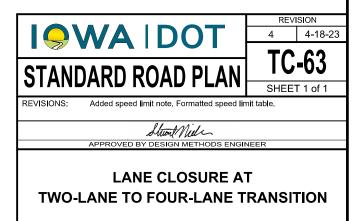
← Direction of Traffic

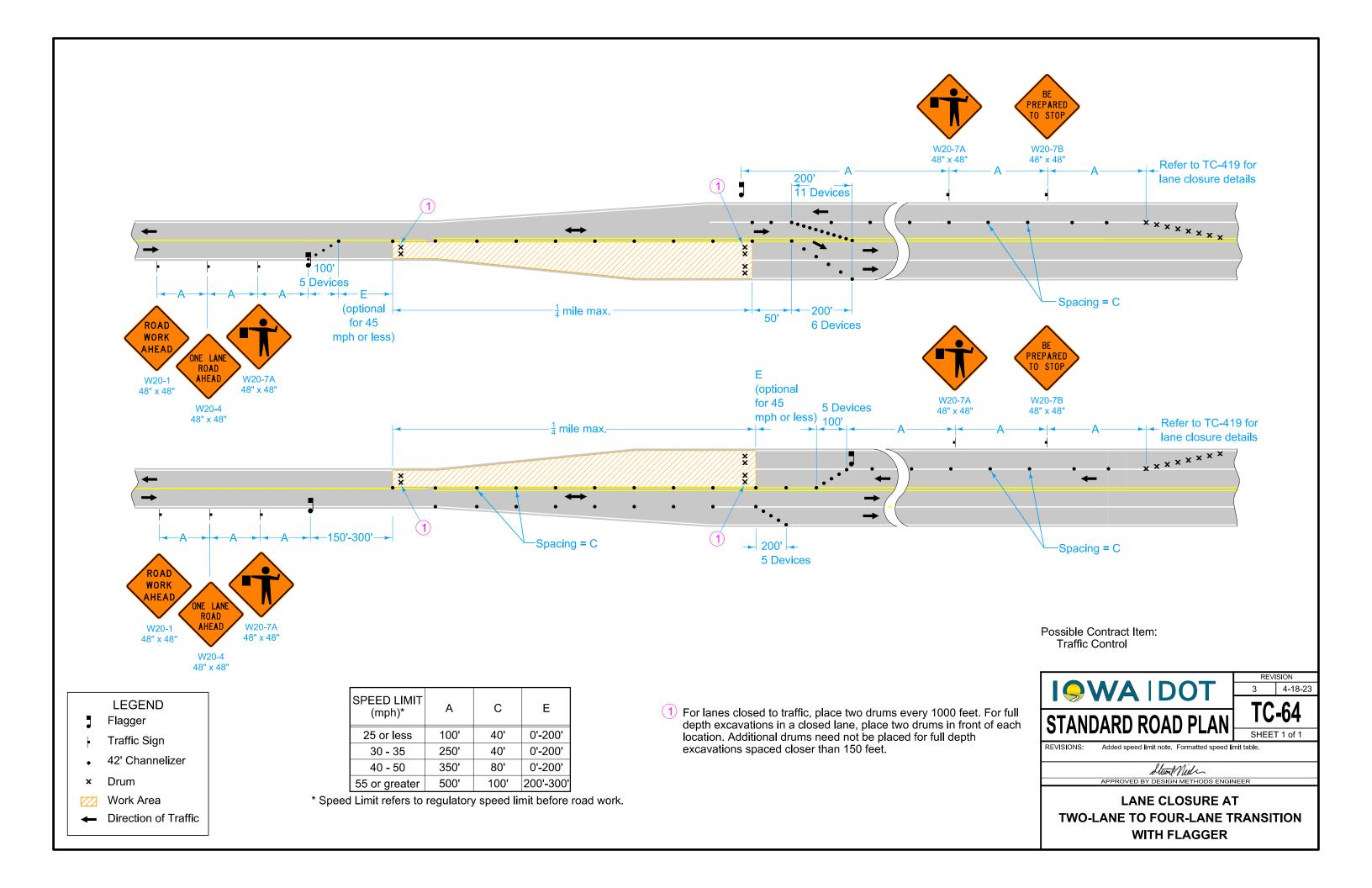
SPEED LIMIT (mph)*	Α	С	D	E	S
25 or less	100'	40'	25'	0'-200'	100'
30 - 35	250'	40'	30'	0'-200'	120'
40 - 50	350'	80'	40'	0'-400'	280'
55 or greater	500'	100'	50'	200'-400'	350'

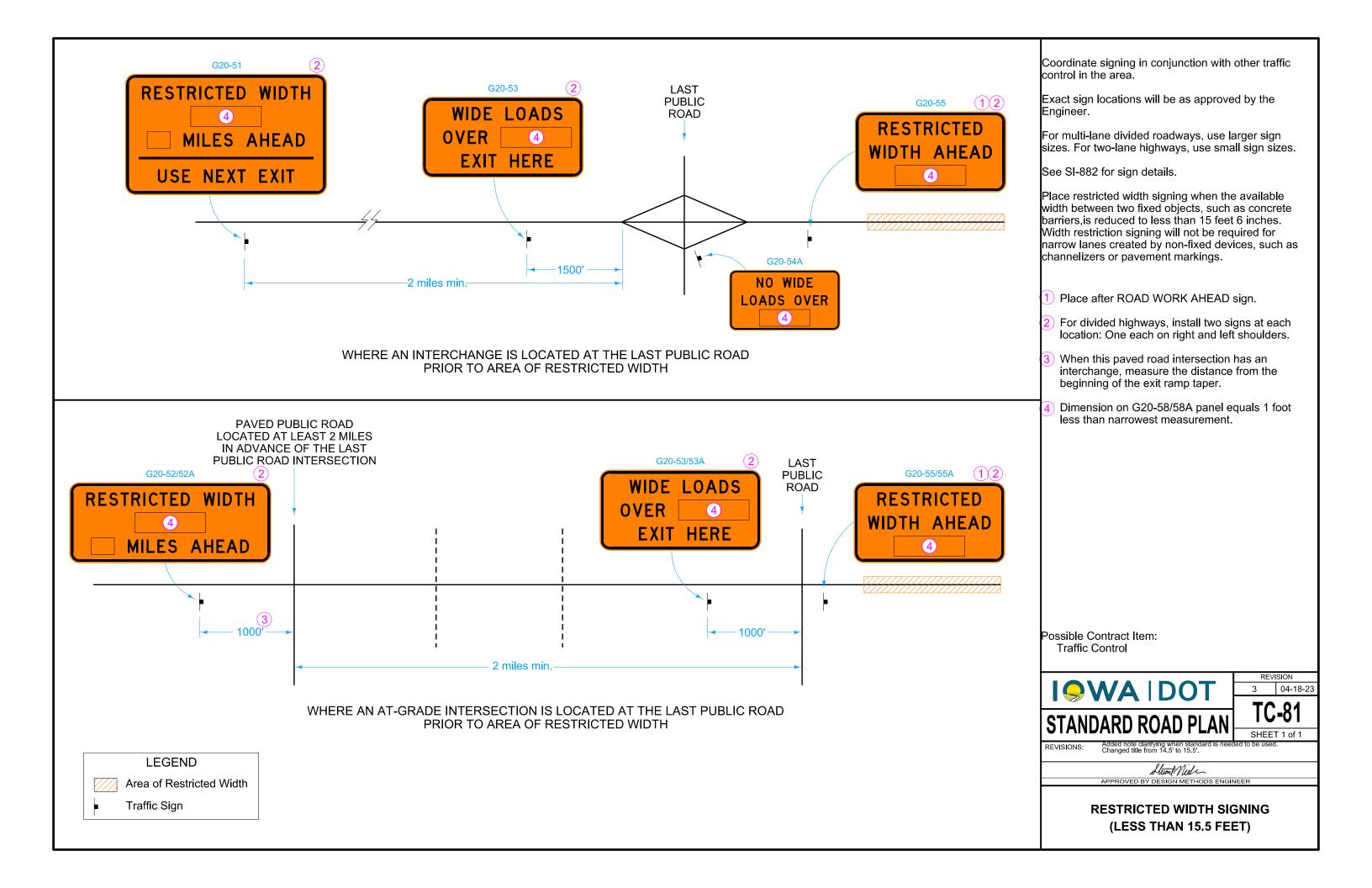
* Speed Limit refers to regulatory speed limit before road work.

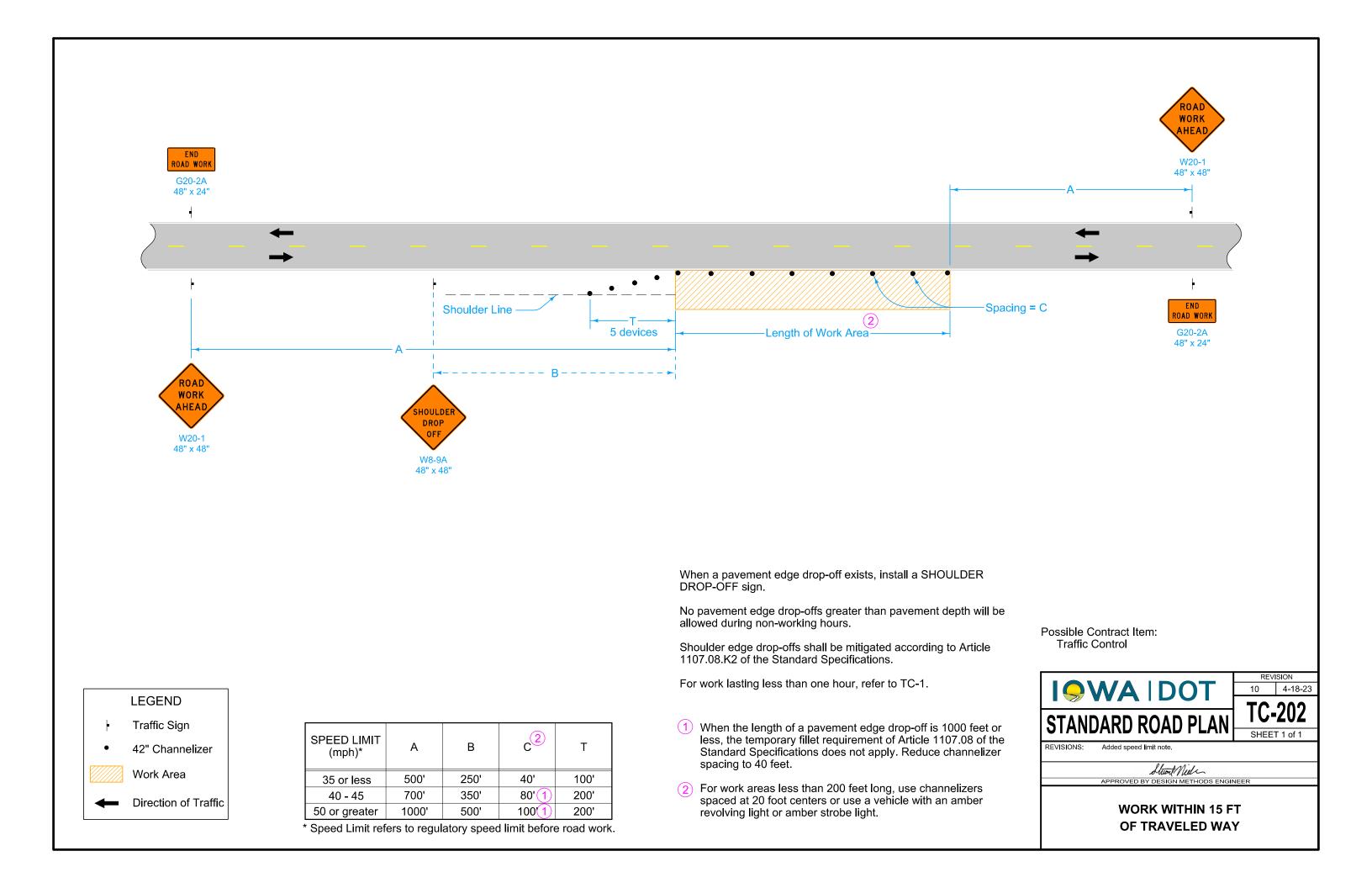
- 1 Refer to TC-419 for lane closure details.
- 2 For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.

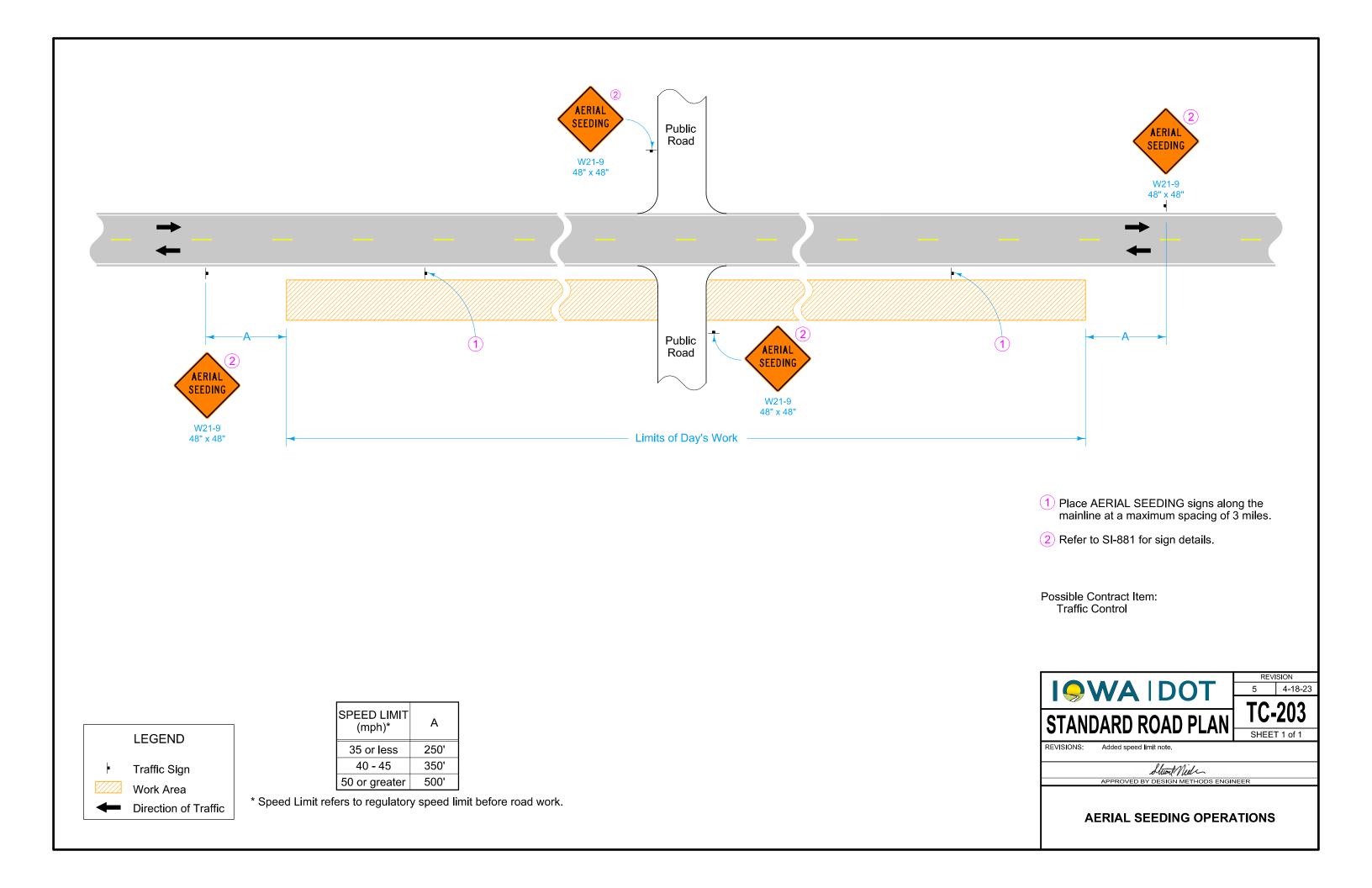
Possible Contract Item: Traffic Control

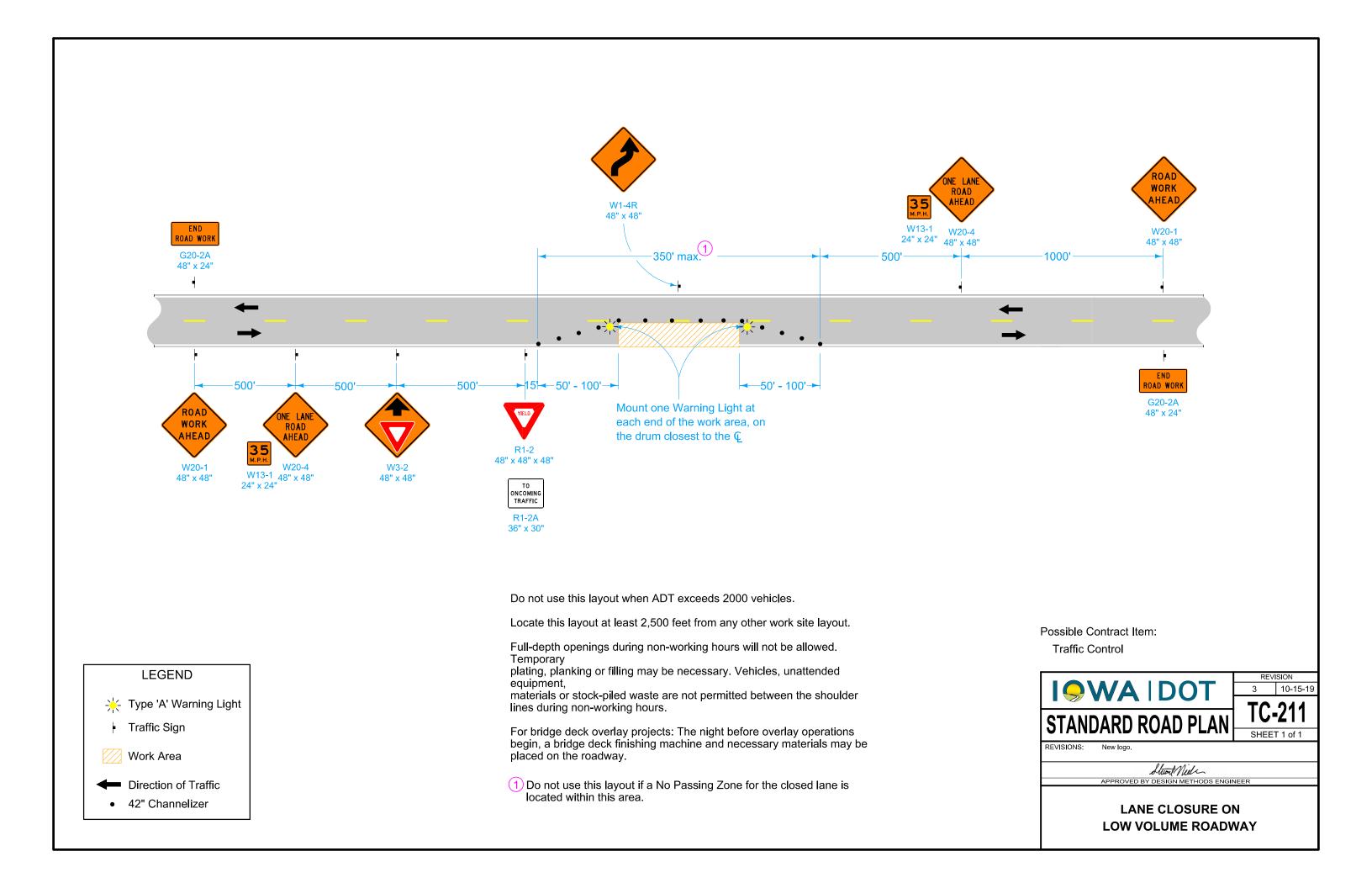


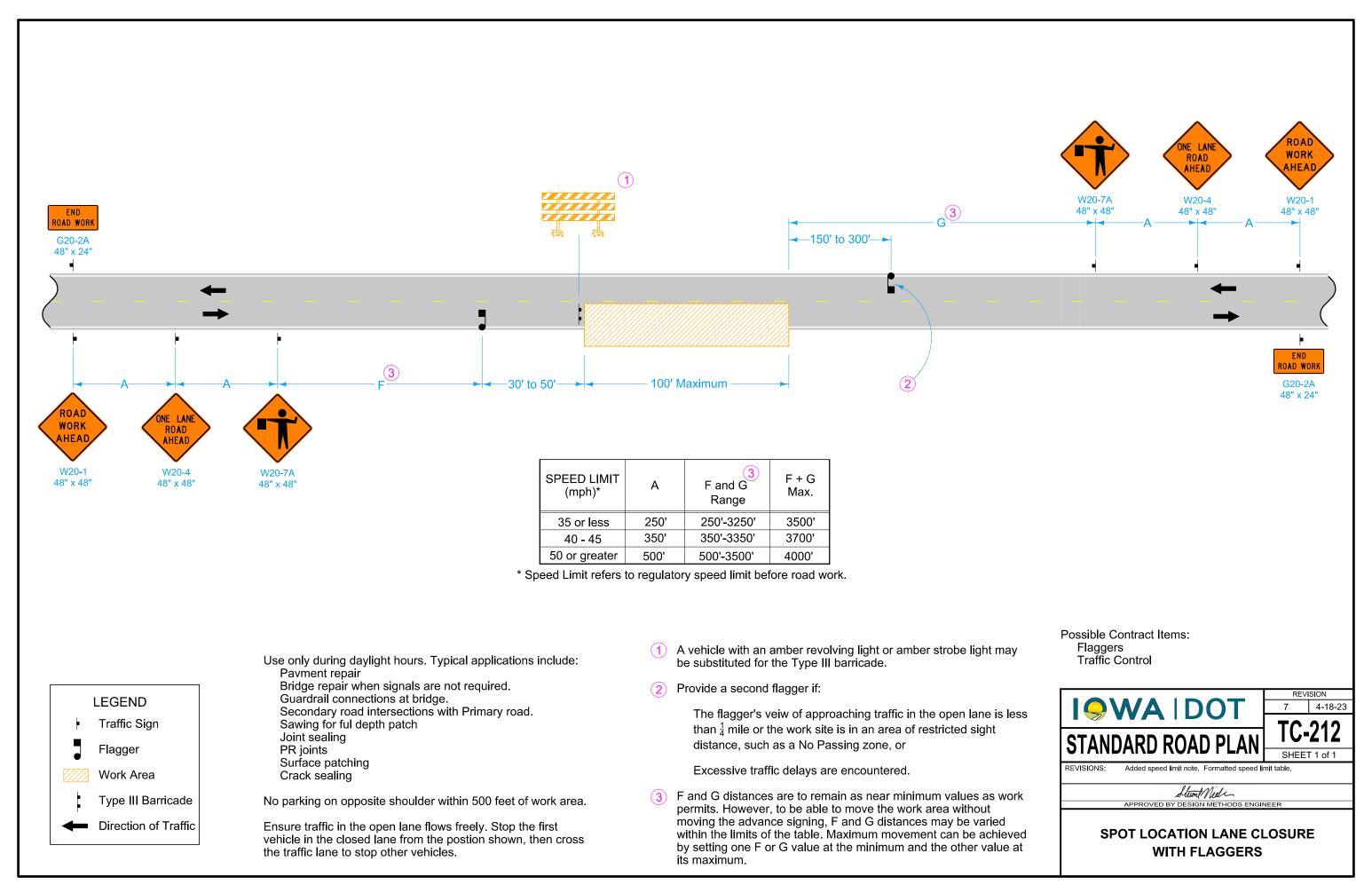


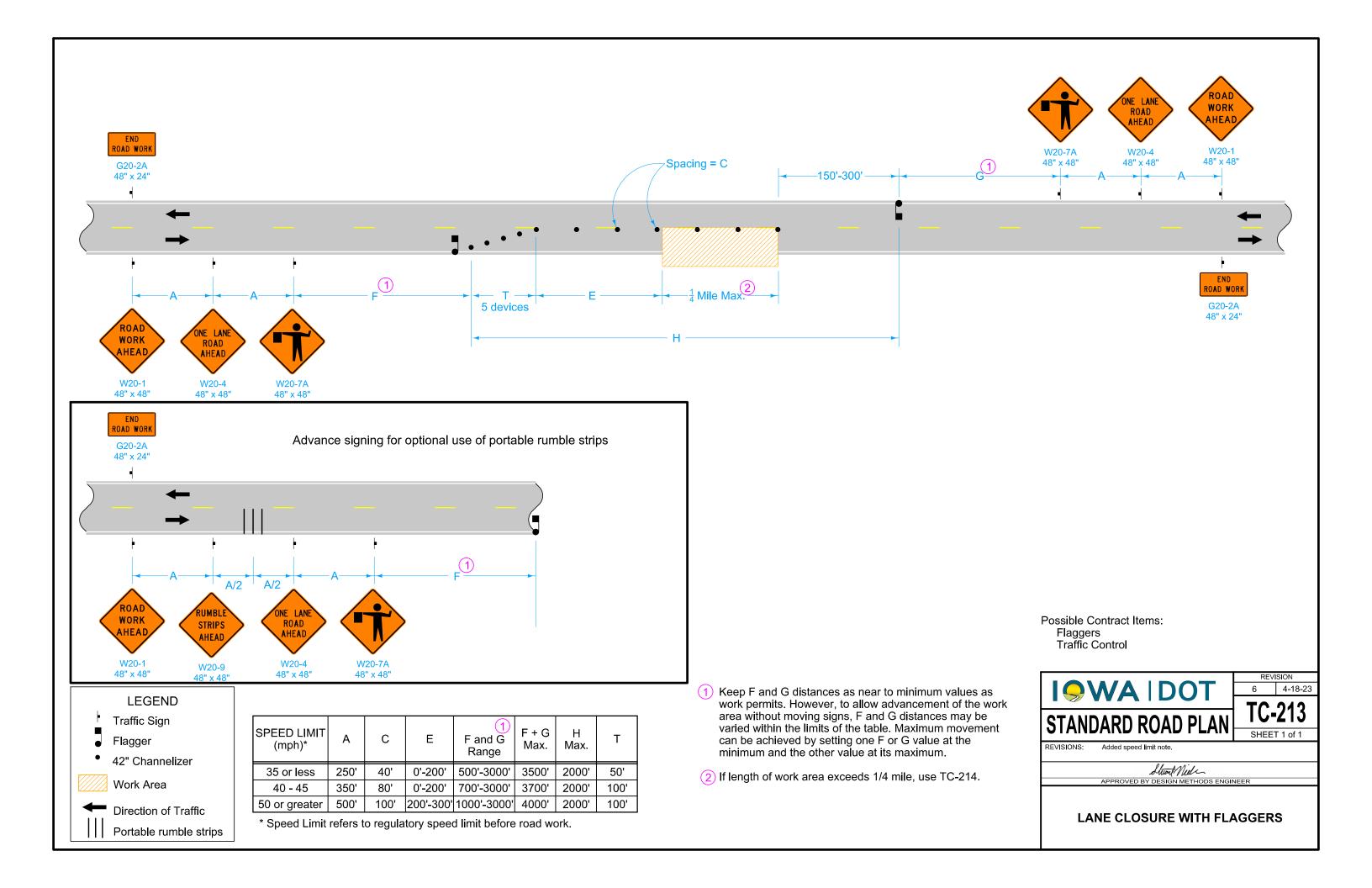


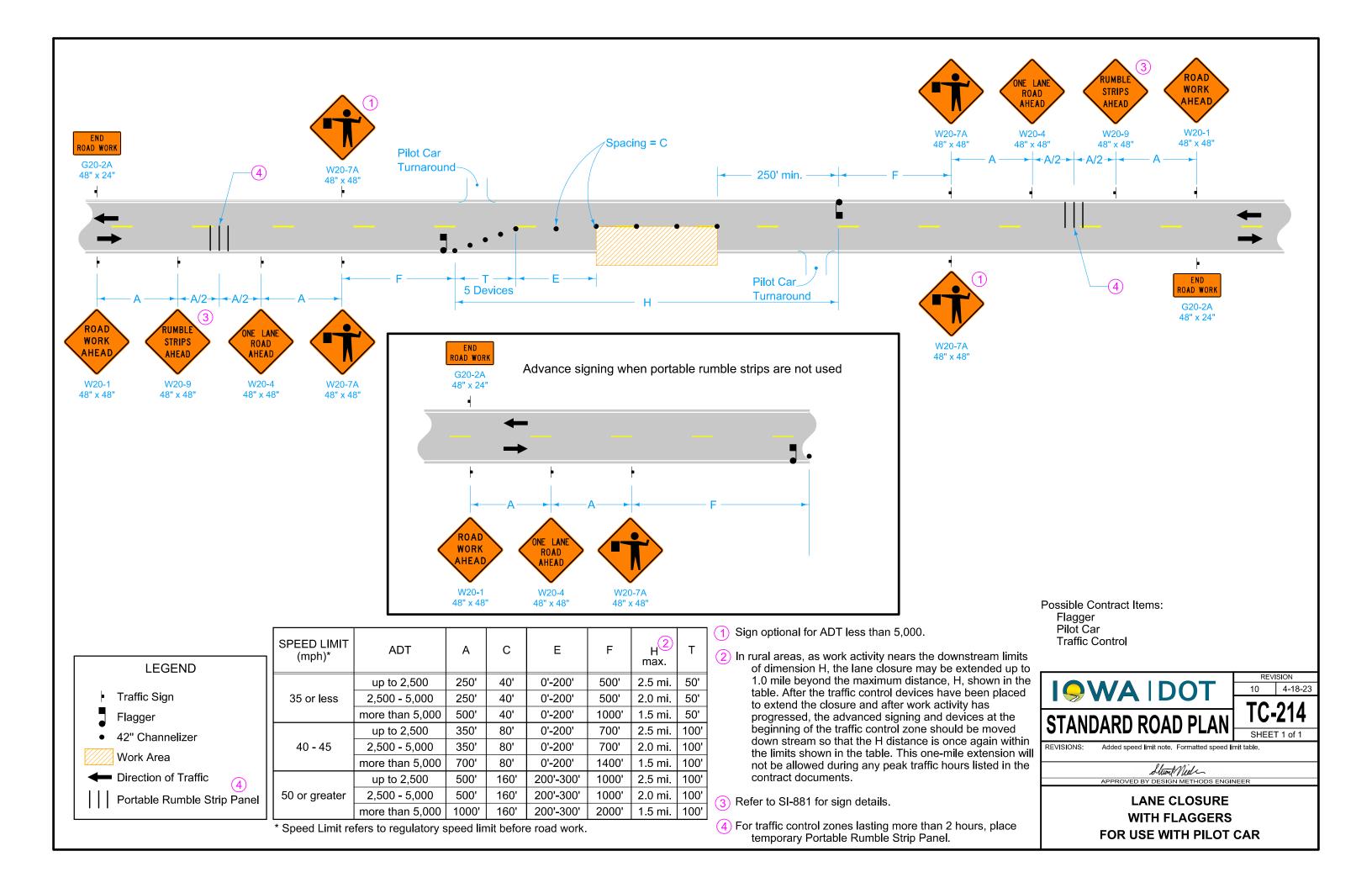


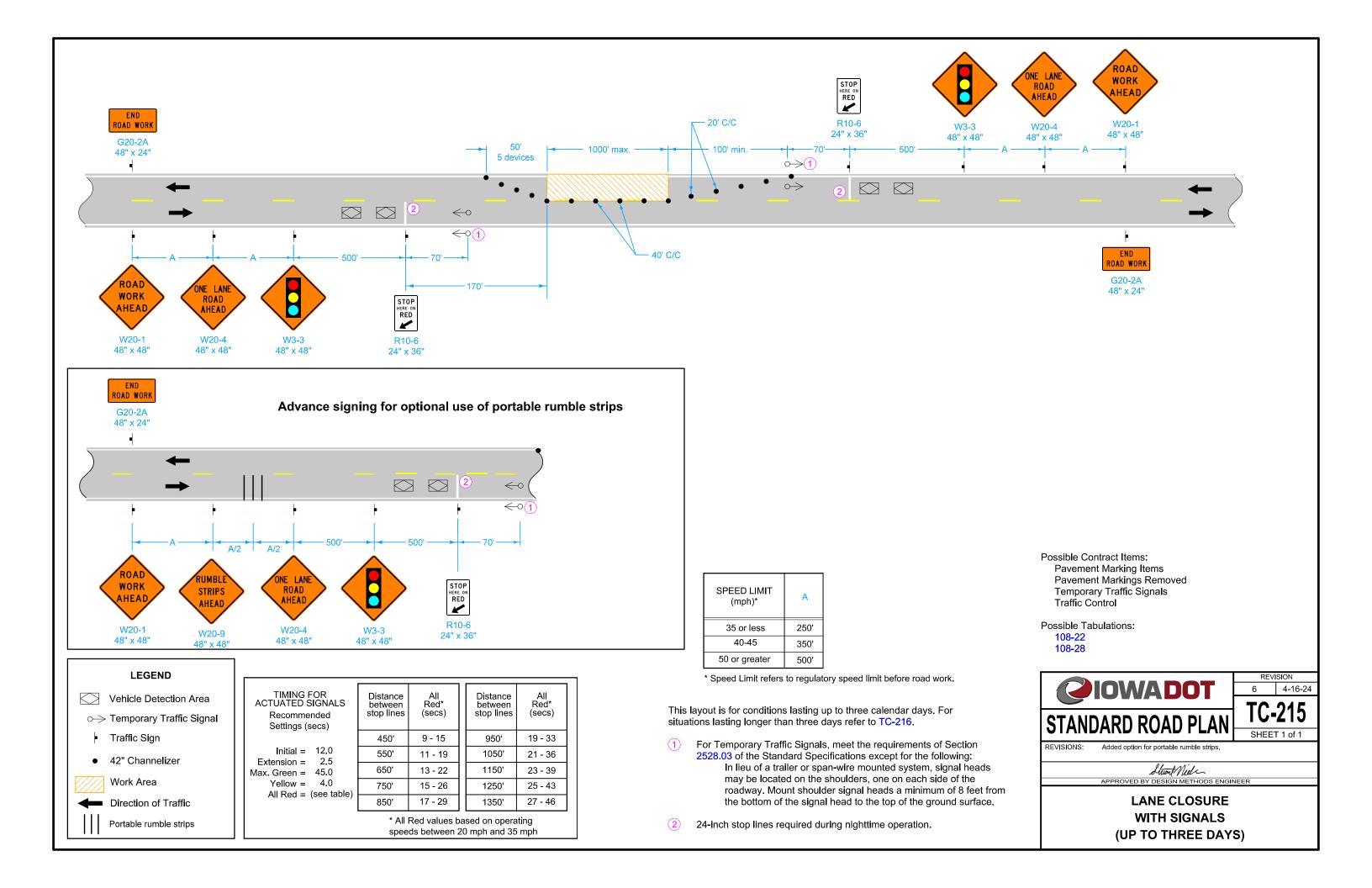


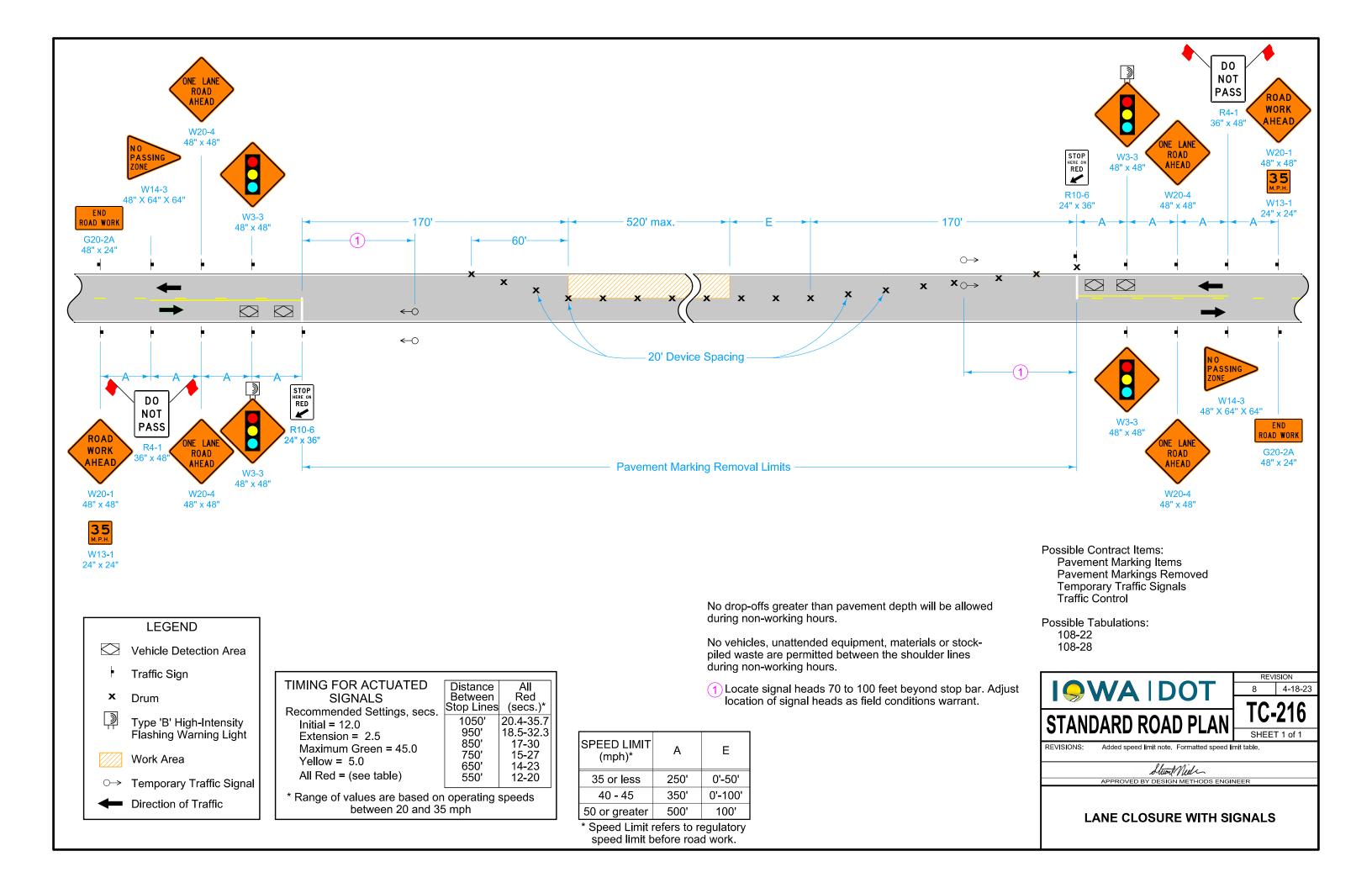


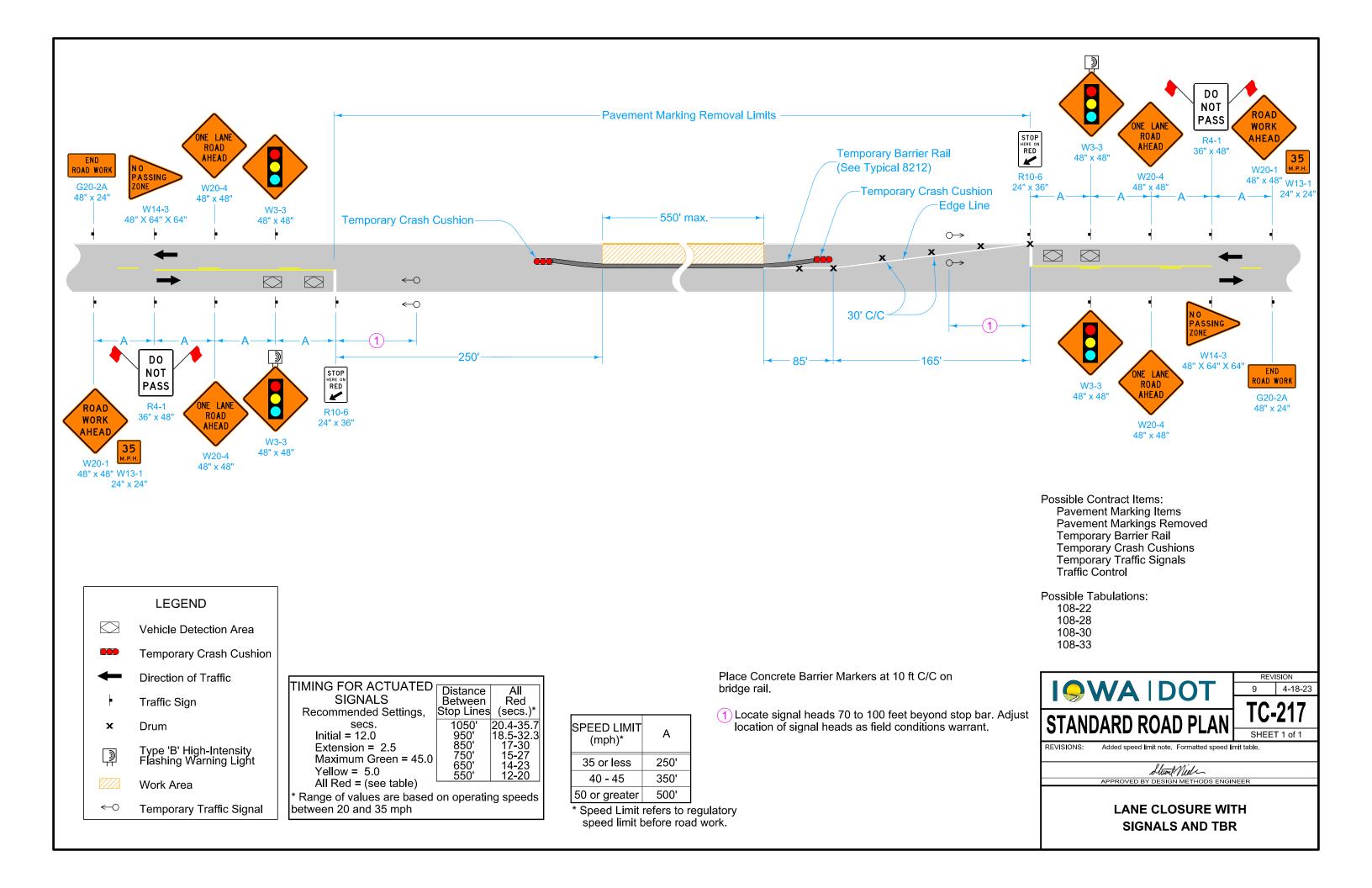


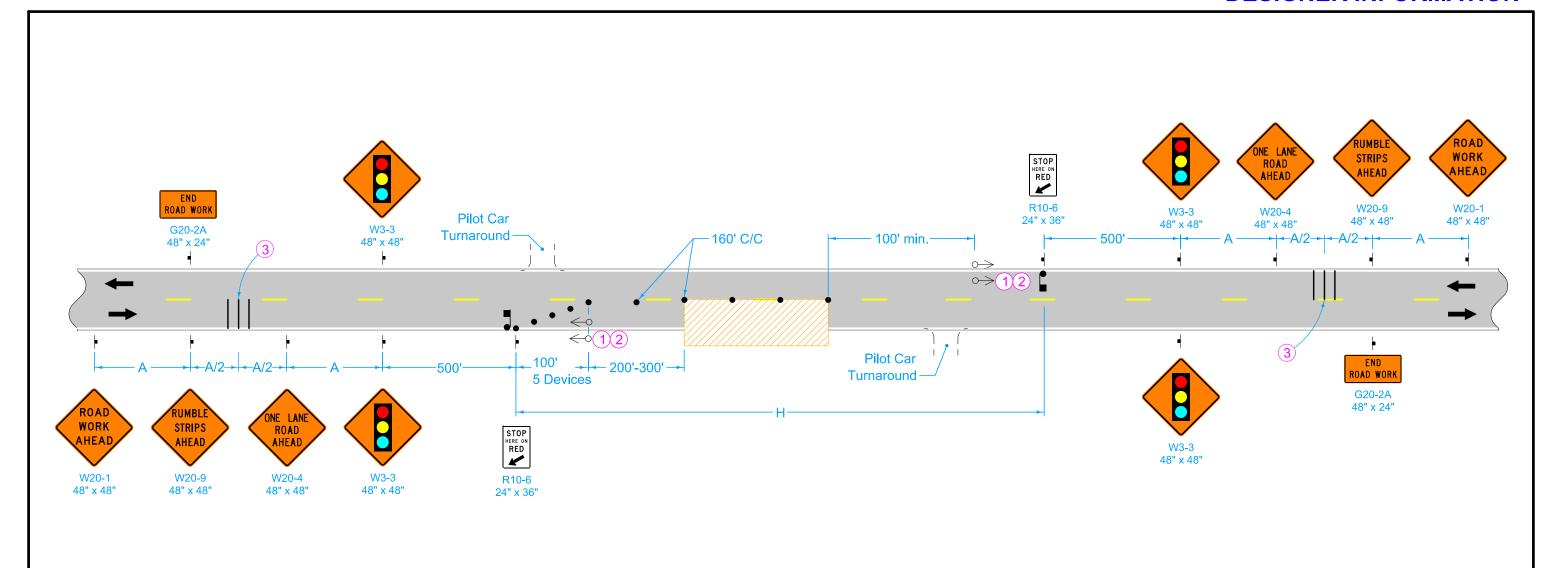












LEGEND

Flagger

 ${\smile\!\!\!\!\!>} \text{Temporary Traffic Signal}$

Traffic Sign

• 42" Channelizer



← Direction of Traffic



SPEED LIMIT (mph)*	ADT	Α	Н
	up to 2,500	500'	2.5 mi.
50 or greater	2,500 - 5,000	500'	2.0 mi.
	more than 5,000	1000'	1.5 mi.

* Speed Limit refers to regulatory speed limit before road work.

No detection area required.

Timing for Push-button Actuated Signals Initial Green = 15 sec. Green Ext. = 2.5 sec. Yellow = 4.0 sec.

Install push-button actuated traffic signals.

Program signals to rest in RED.

GREEN and GREEN EXTENSION only are initiated by flagger.

- 1 For Temporary Traffic Signals, meet the requirements of Section 2528.03 of the Standard Specifications except for the following:
 In lieu of a trailor or span-wire mounted system, signal heads may be located on the shoulders, one on each side of the roadway. Mount shoulder signal heads a minimum of 8 feet from the bottom of the signal head to the top of the ground surface.
- 2 Locate signal heads 70 to 100 feet beyond "STOP HERE ON RED" sign. Adjust location of signal heads as field conditions warrant.
- 3 For traffic control zones lasting more than 2 hours, place temporary Portable Rumble Strip Panel.

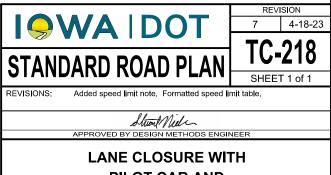
Possible Contract Items:

Flagger Pilot Car

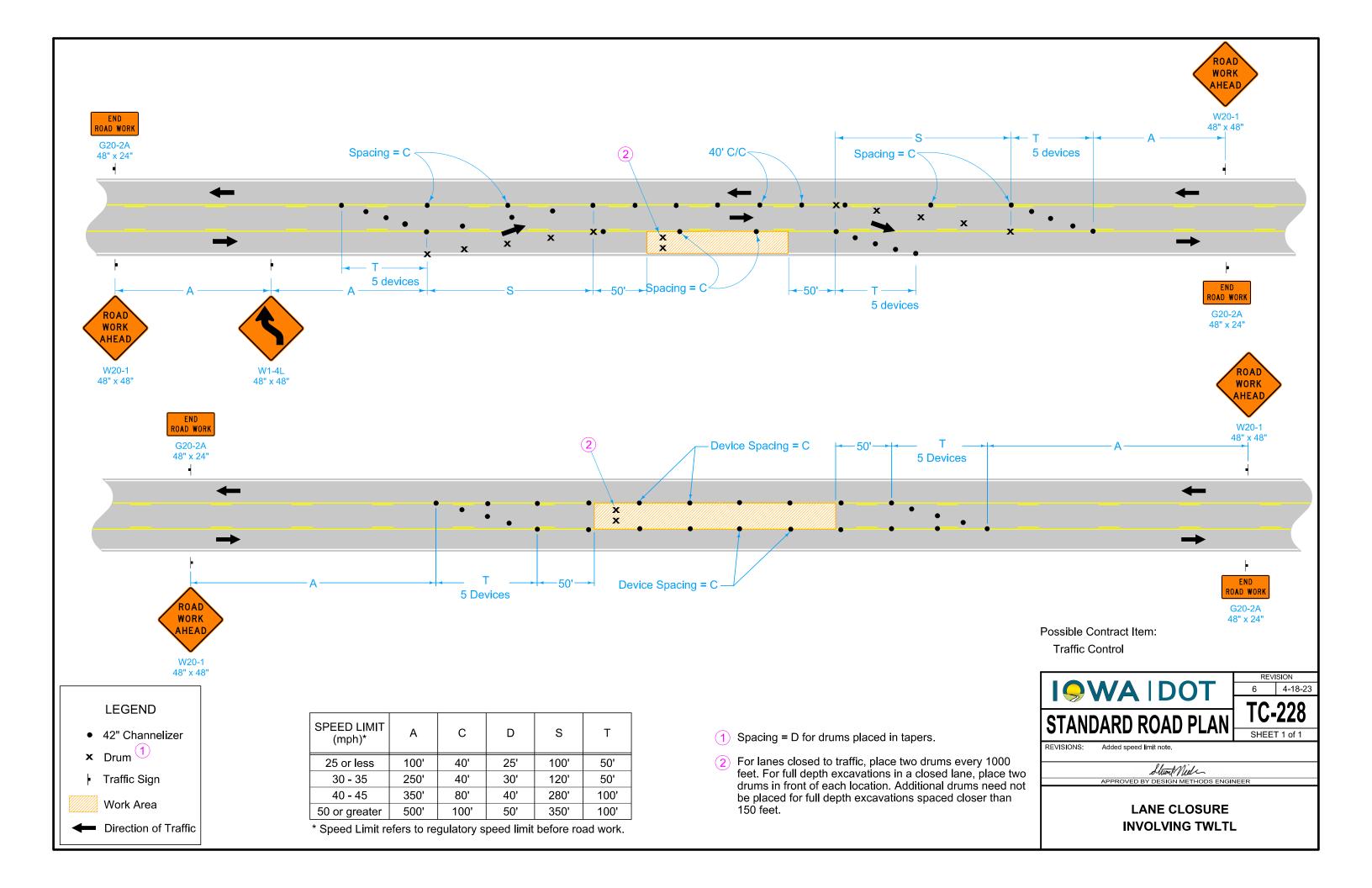
Temporary Traffic Signal

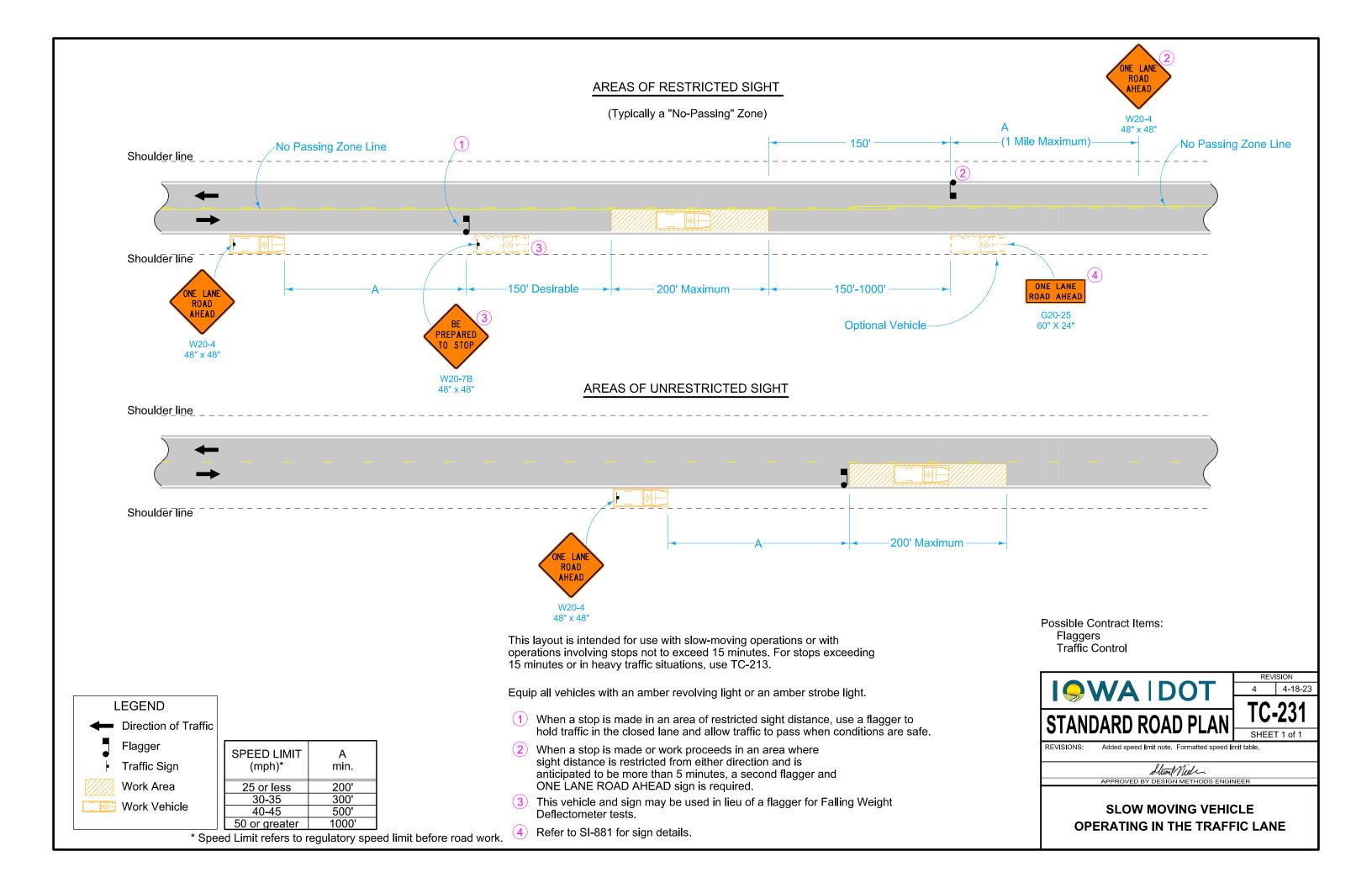
Traffic Control

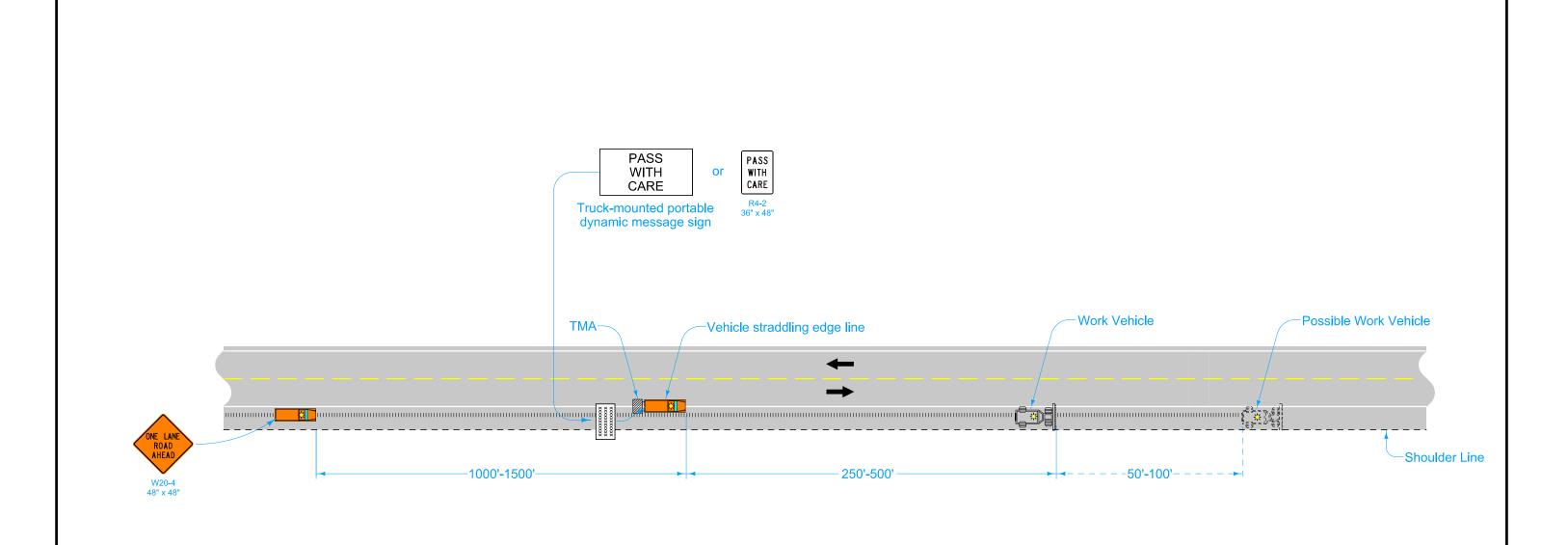
Possible Tabulations: 108-27 108-28



PILOT CAR AND
FLAGGER OPERATED SIGNALS







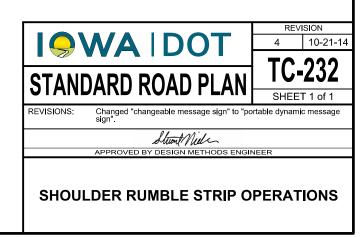


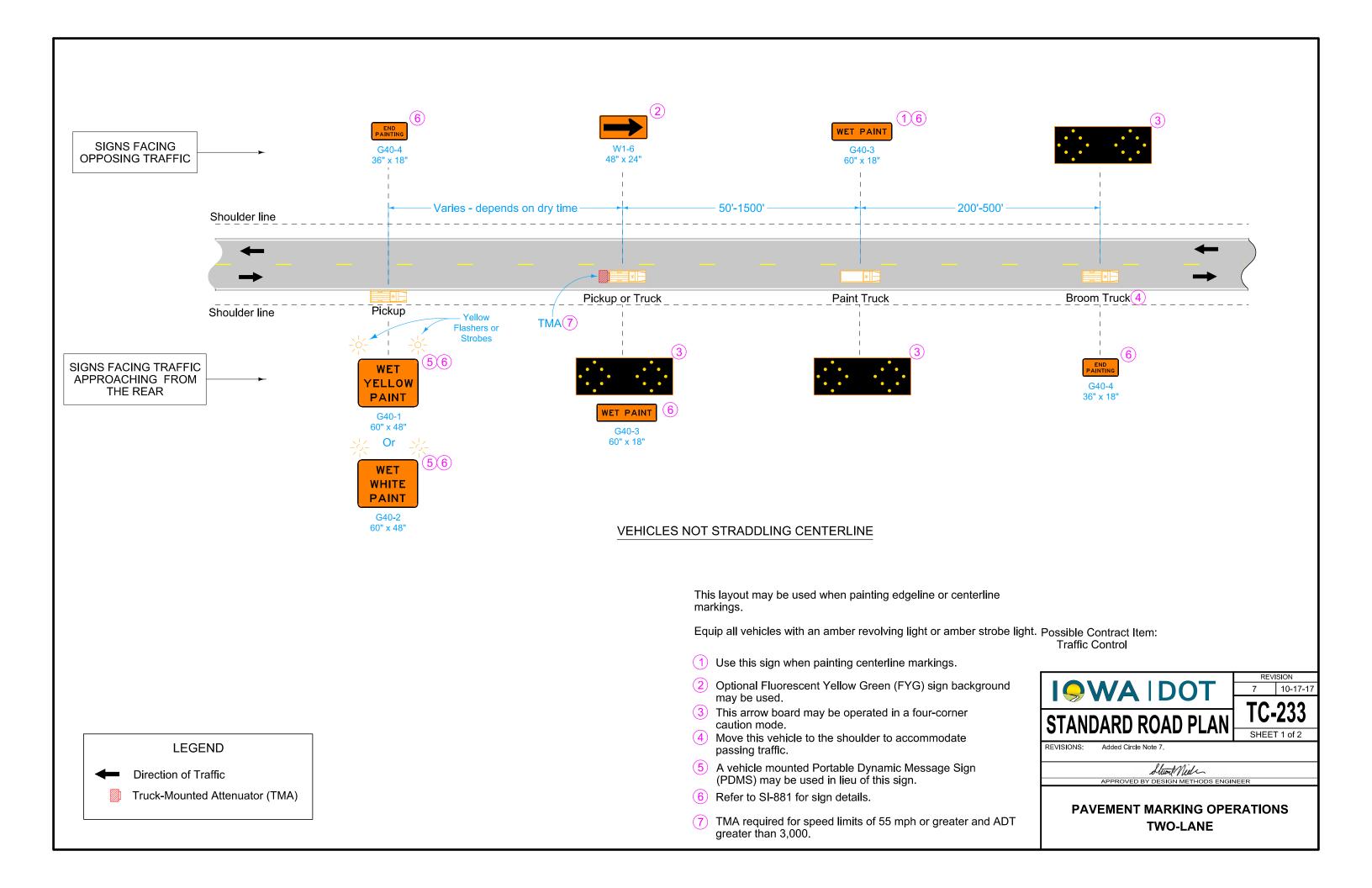
When fog sealing the milled rumble strips, place a 48" X 48" FRESH OIL sign (W21-2) at the beginning of the work area. Place additional FRESH OIL signs after each intersection and periodically through the work area so that signs are no more than 2 miles apart.

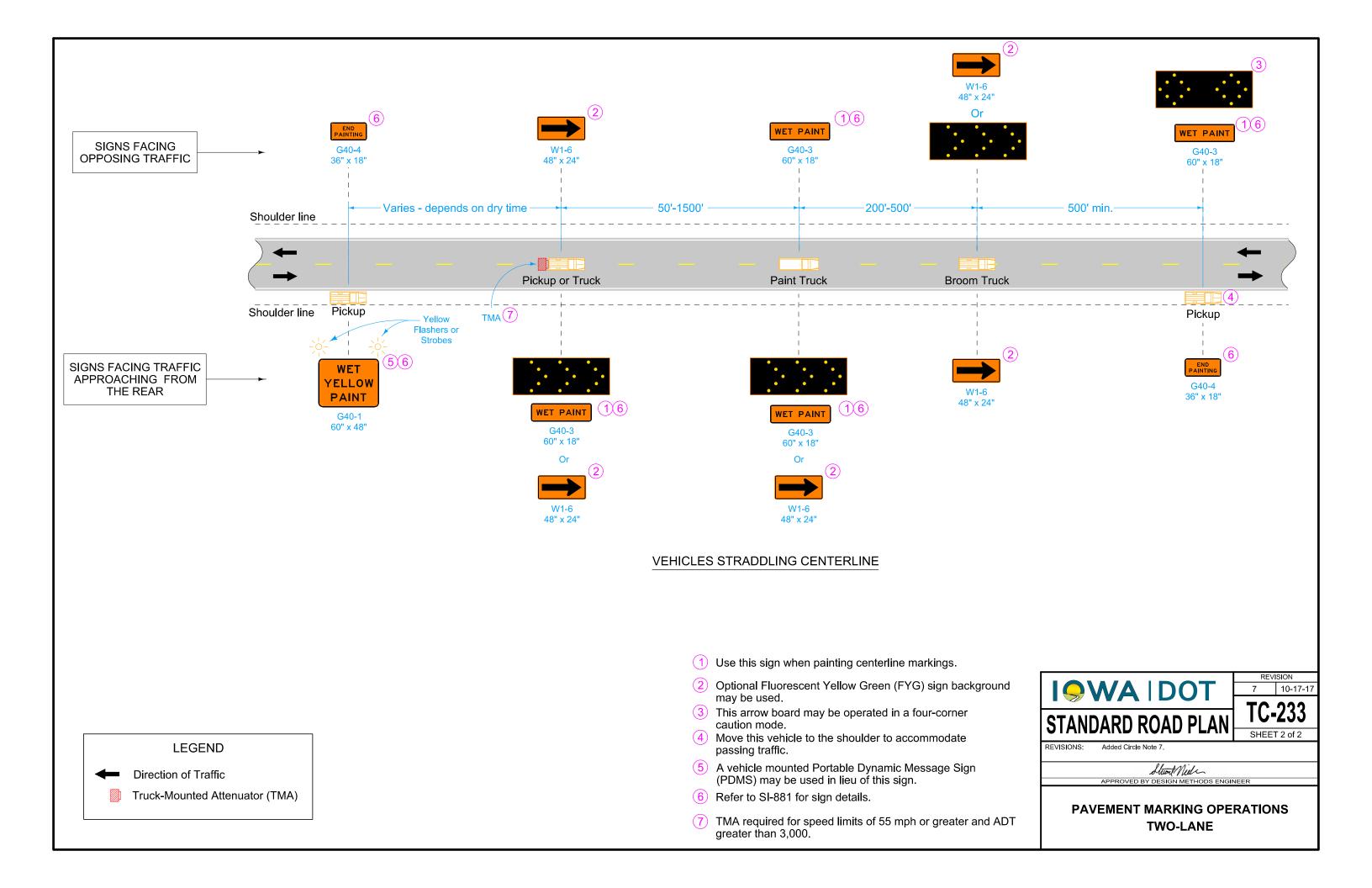
Operators should adjust their spacing, as necessary, to keep adjacent vehicles within view.

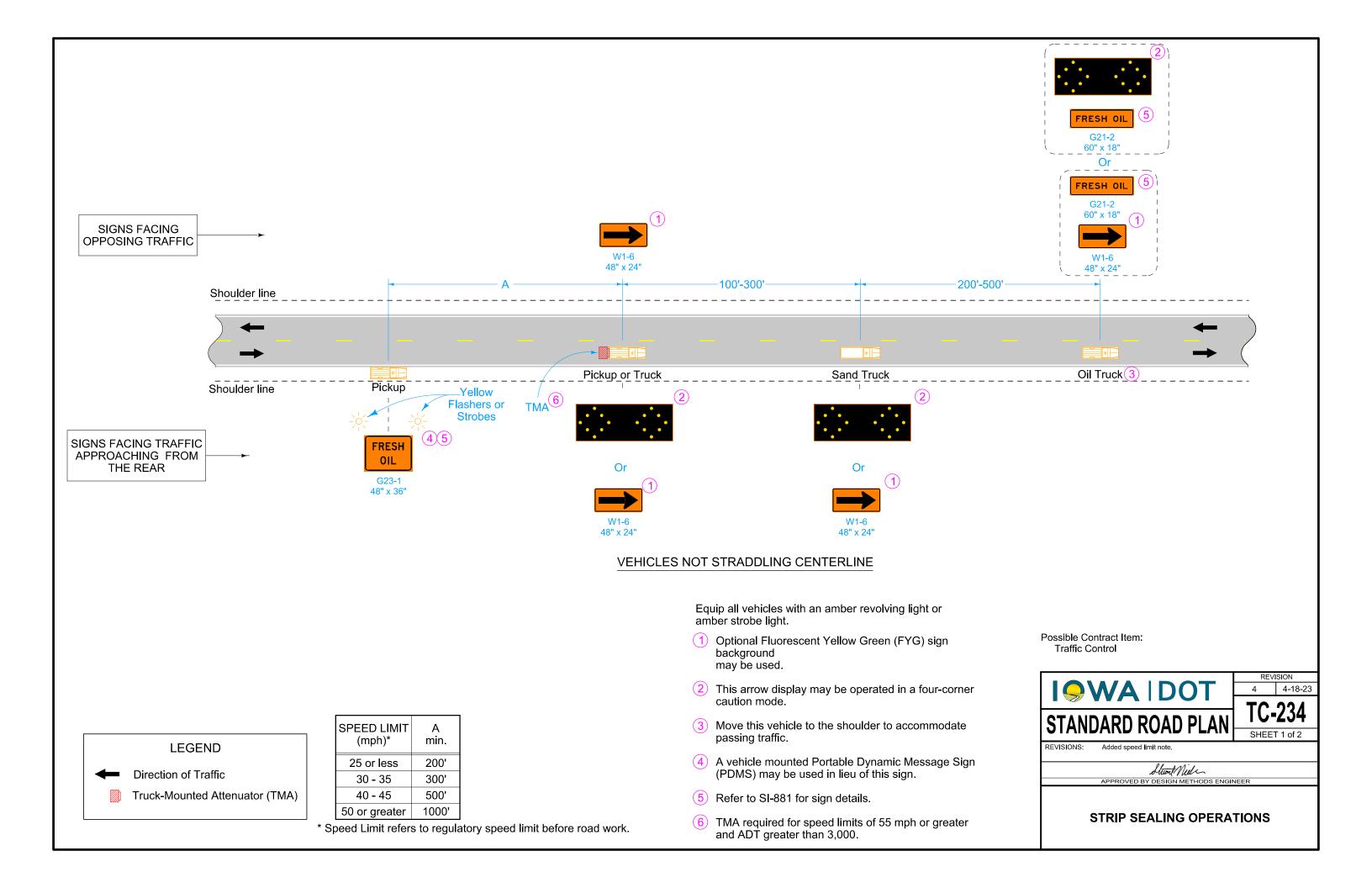
Equip all vehicles with an amber revolving light or amber strobe light.

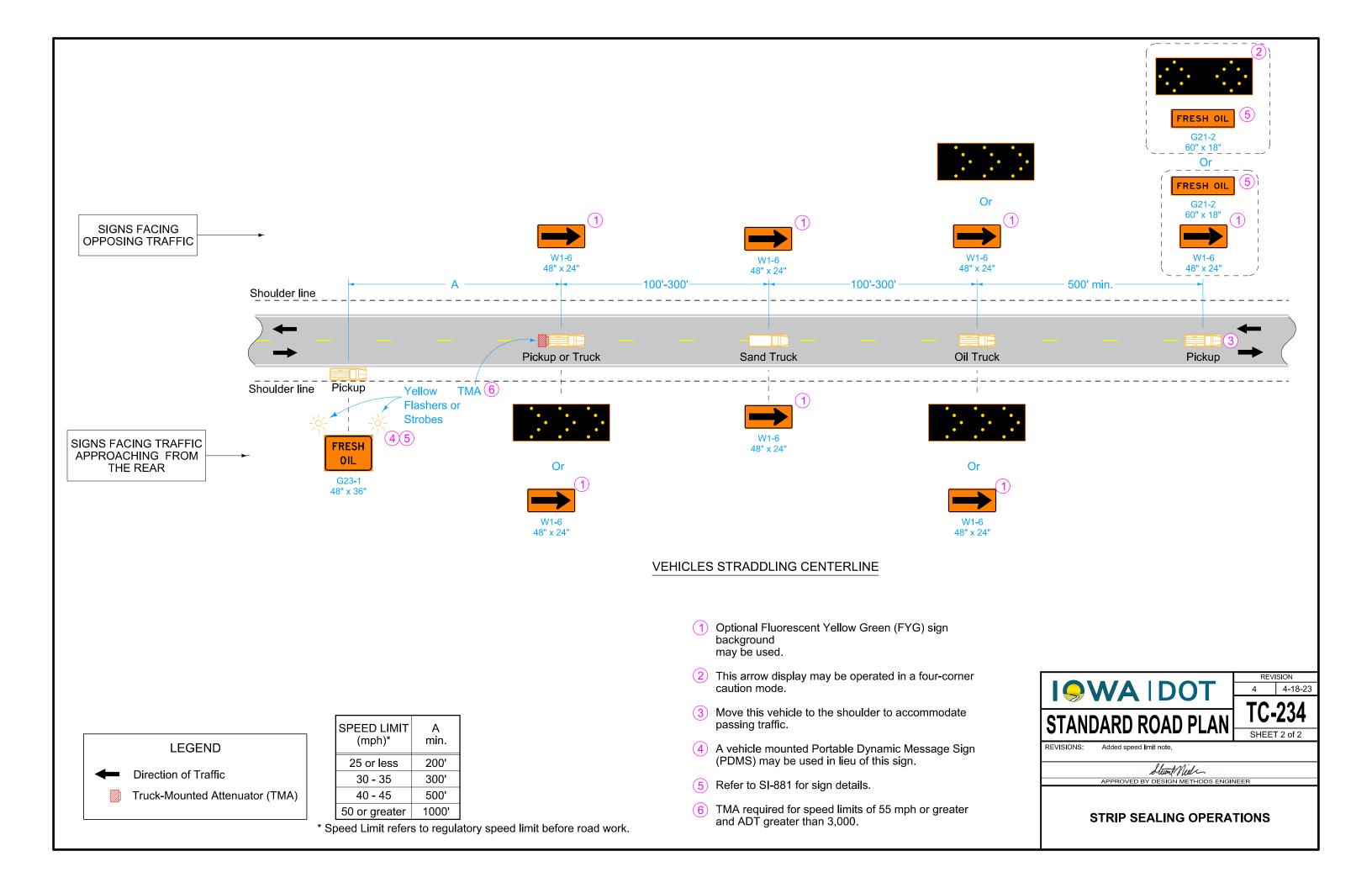
Possible Contract Item: Traffic Control







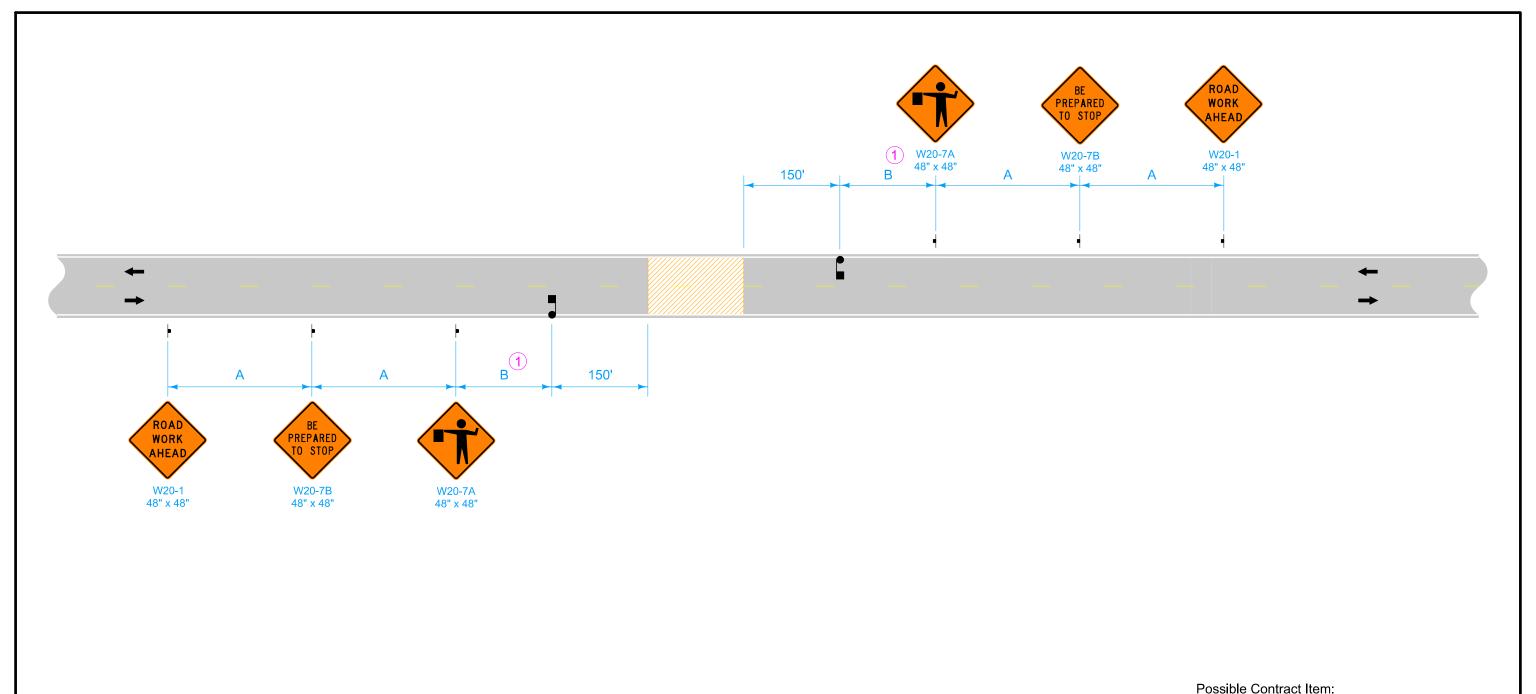




AREAS OF RESTRICTED SIGHT (Typically a "No-Passing" Zone) No Passing Zone Line No Passing Zone Line Shoulder line Shoulder line 150' Desirable 200' Maximum 150'-1000' G20-25 60" X 24" W20-4 48" x 48" W20-7B AREAS OF UNRESTRICTED SIGHT Shoulder line Shoulder line 200' Maximum W20-4 48" x 48" REVISION I WA | DOT 2 4-18-23 For stops exceeding 15 minutes or in heavy traffic situations, use TC-213. LEGEND Equip all vehicles with an amber revolving light or an amber strobe light. ← Direction of Traffic SHEET 1 of 1 When a stop is made in an area of restricted sight distance, use a flagger to hold traffic in the closed lane and allow to pass when conditions are safe. REVISIONS: Added speed limit note. Formatted speed limit table. Flagger SPEED LIMIT (mph)* min. Stunt Mills APPROVED BY DESIGN METHODS ENGINEER Traffic Sign (2) This vehicle and sign may be used in lieu of a flagger. 25 or less 200' Work Area 3 Refer to SI-881 for sign details. 300' 30-35 Work Vehicle 40-45 500' **EDGE RUT REPAIR**

50 or greater

1000' * Speed Limit refers to regulatory speed limit before road work.



LEGEND Traffic Sign

Work Area

Flagger

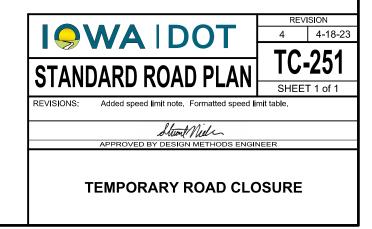
← Direction of Traffic

SPEED LIMIT (mph)*	А	B (minimum)
35 or less	250'	250'
40 - 45	350'	350'
50 or greater	500'	500'

This layout is intended for a preplanned closure of 20 minutes or less.

1 The Engineer will determine the storage length, B, necessary to accommodate stopped traffic during the closure.

Traffic Control Flaggers



* Speed Limit refers to regulatory speed limit before road work.

SIGN PLACEMENT ON TYPE III BARRICADES



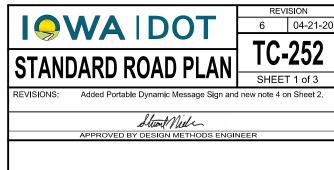
Typical Sign Placement



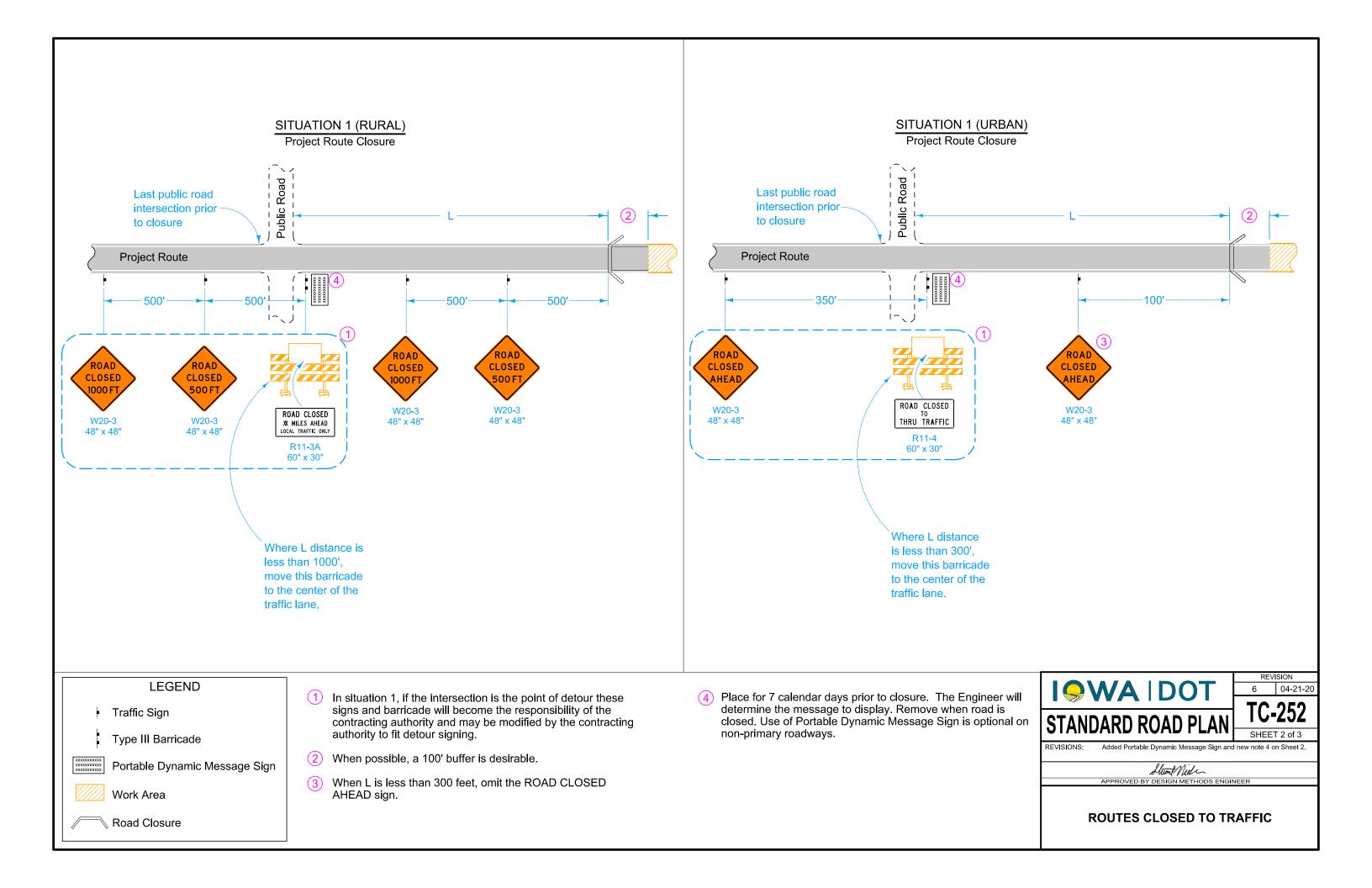
Sign Placement with Supplemental Sign

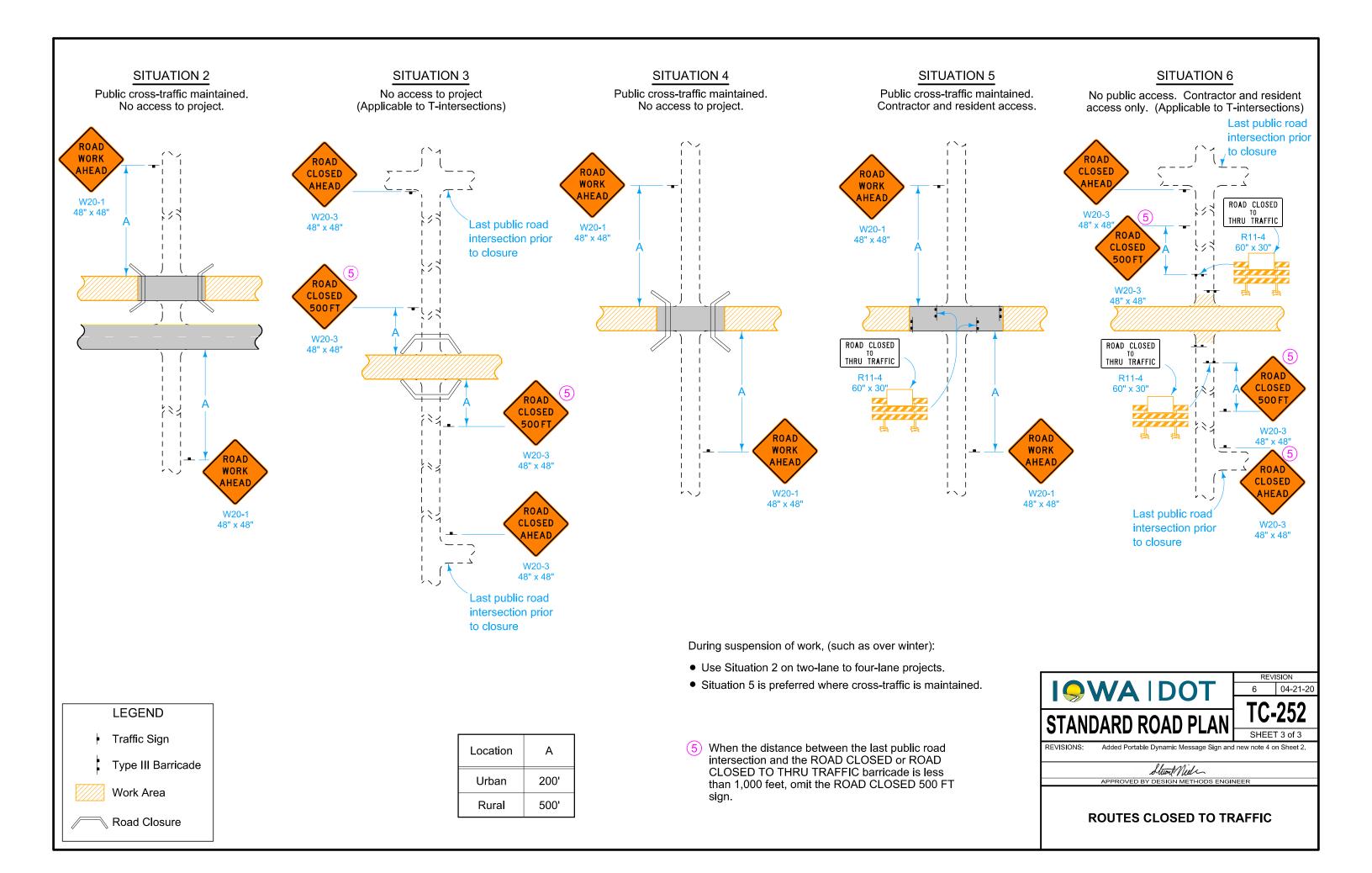
Possible Contract Items: Traffic Control Safety Closures Portable Dynamic Message Sign

Possible Tablulation: 108-13A

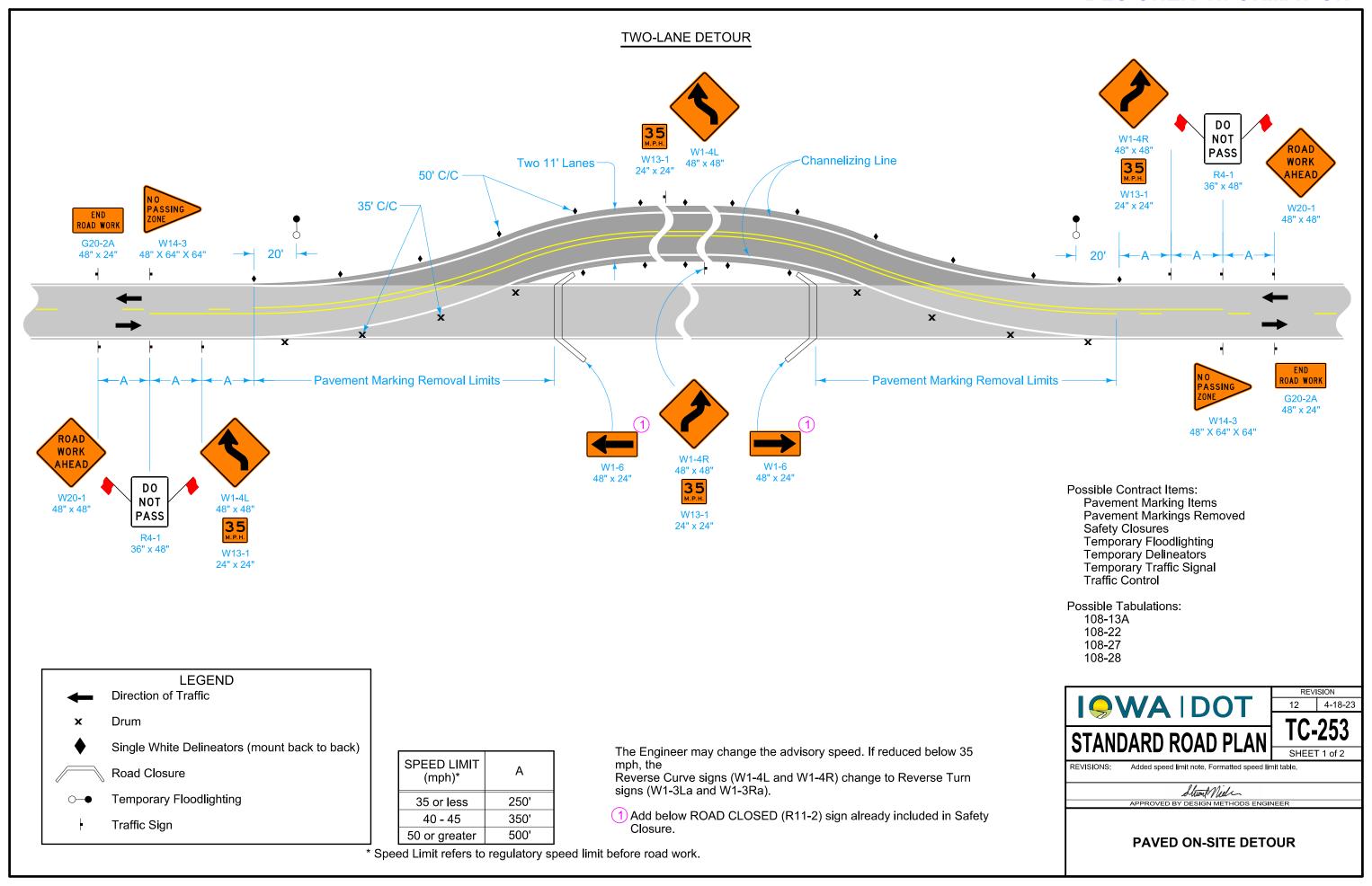


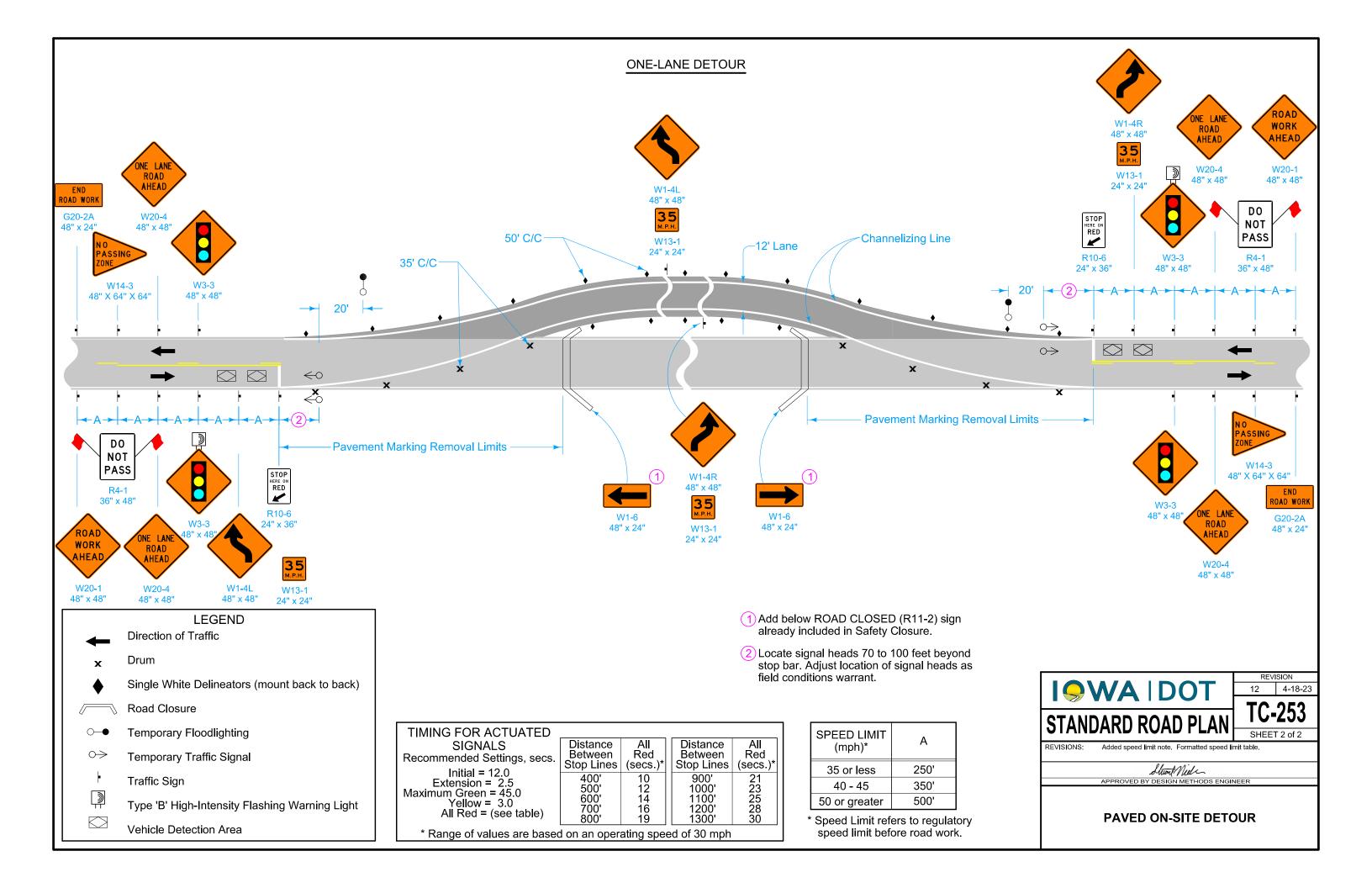
ROUTES CLOSED TO TRAFFIC

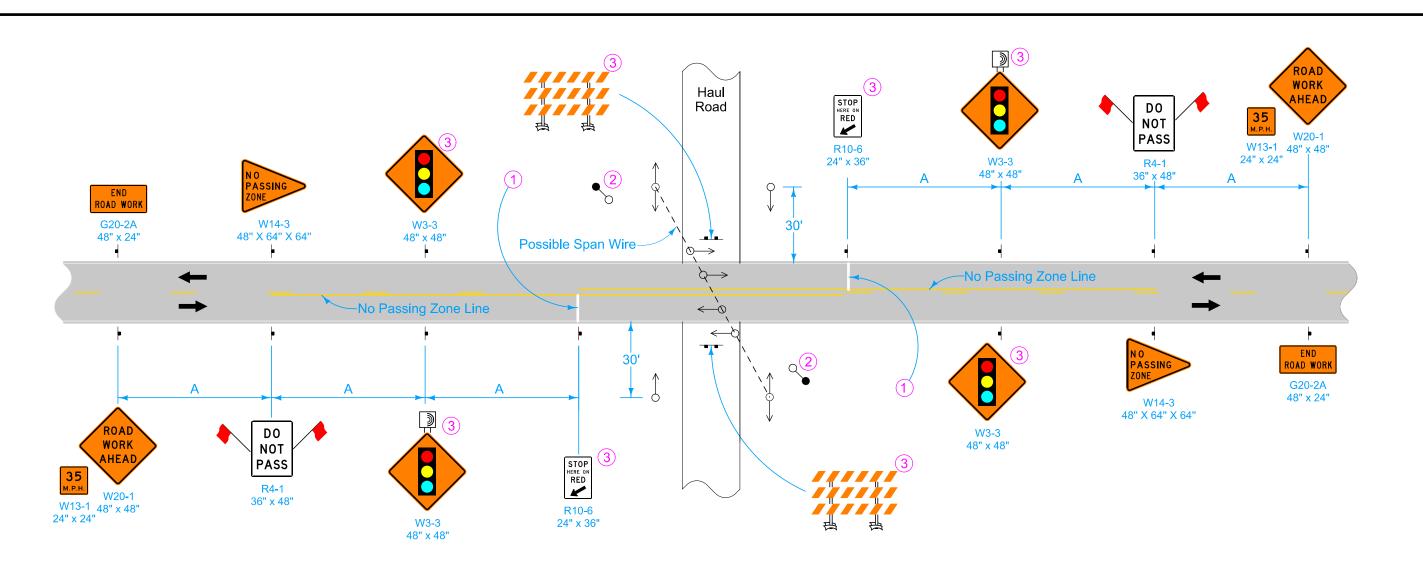




DESIGNER INFORMATION







No detection area required.

LEGEND

- Traffic Sign
- Type III Barricade
- Temporary Floodlighting



Type 'B' Warning Light

Temporary Traffic Signal



SPEED LIMIT (mph)*	А
35 or less	250'

40 - 45

50 or greater

1 Locate the stop bars 70 feet in advance of each lane's nearest signal head.

Set signal timing as follows: For traffic from all directions, set the yellow indication at approximately 5 seconds and the all-red clearance interval at

approximately 2 seconds. Set the minimum green

green interval for haul road traffic at 12 seconds but

may be extended up to a maximum of 30 seconds.

interval on the main road at 20 seconds. Set the

2 Required only if haul road is used during nighttime hours

(3) When the equipment crossing is not in use, place Type III Barricades as shown, and cover SIGNAL AHEAD and STOP HERE ON RED signs.

* Speed Limit refers to regulatory speed limit before road work.

350'

500'

Possible Contract Items:

Pavement Marking Items Pavement Markings Removed Traffic Control

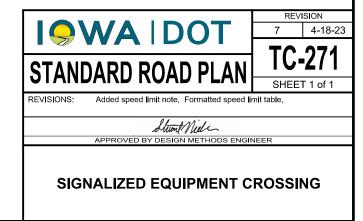
Temporary Floodlighting Temporary Traffic Signals

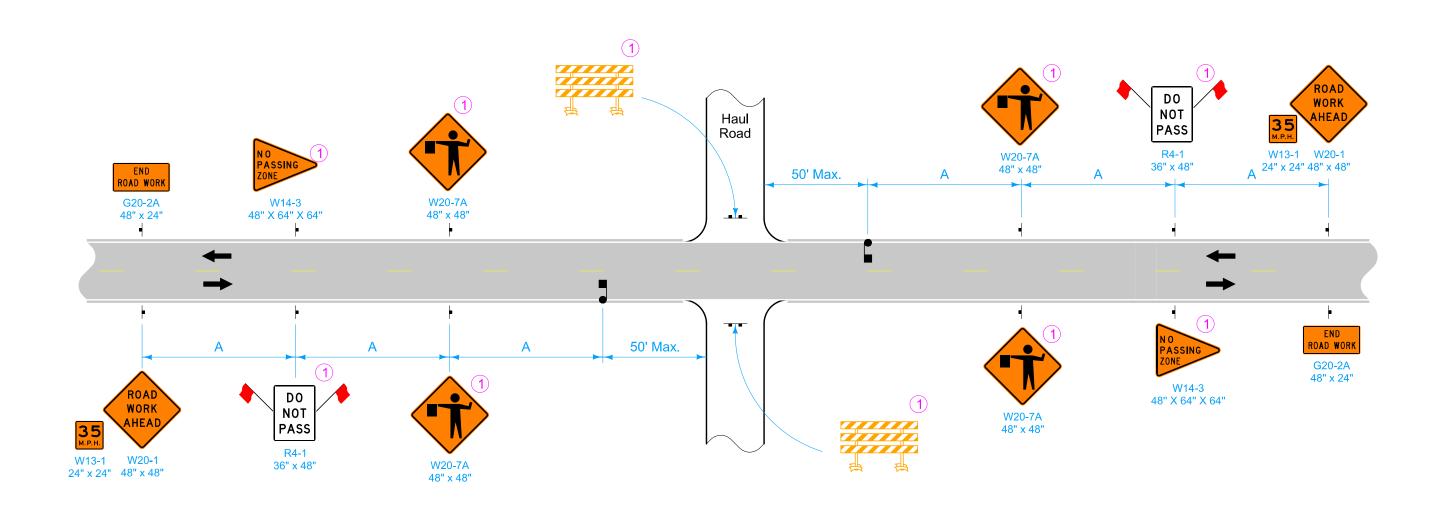
Possible Tabulations:

108-22

108-27

108-28





1 During nighttime hours or when the haul road is not in use, Type III Barricades shall be placed as shown and DO NOT PASS, NO PASSING ZONE and Flagger Symbol signs shall be covered or removed.

LEGEND

Traffic Sign

Type III Barricade

Flagger

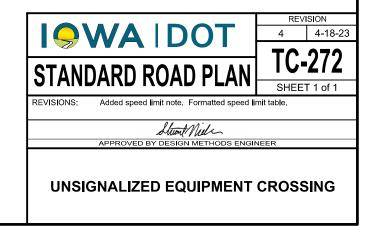
← Direction of Traffic

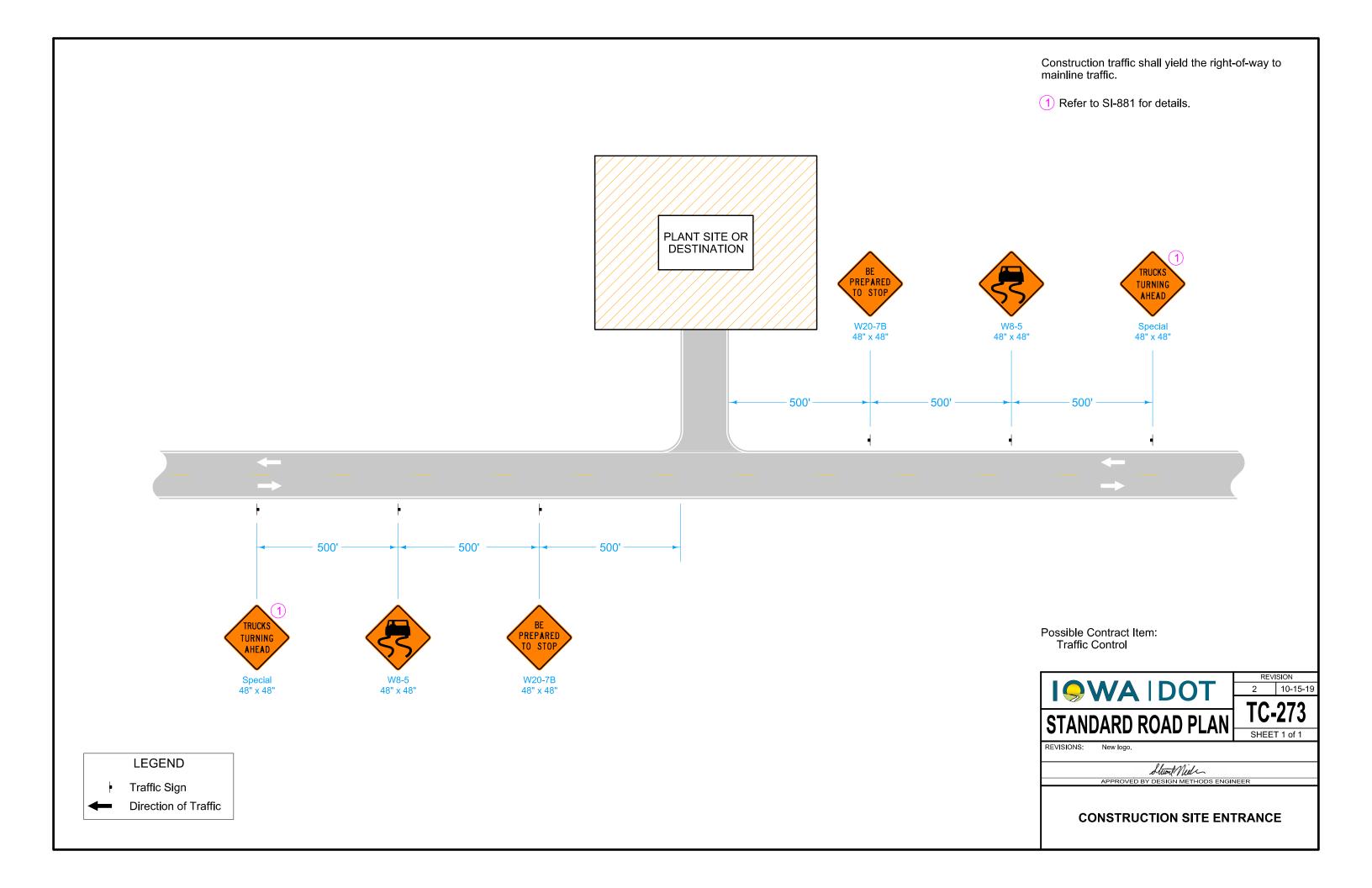
SPEED LIMIT (mph)*	А
35 or less	250'
40 - 45	350'
50 or greater	500'

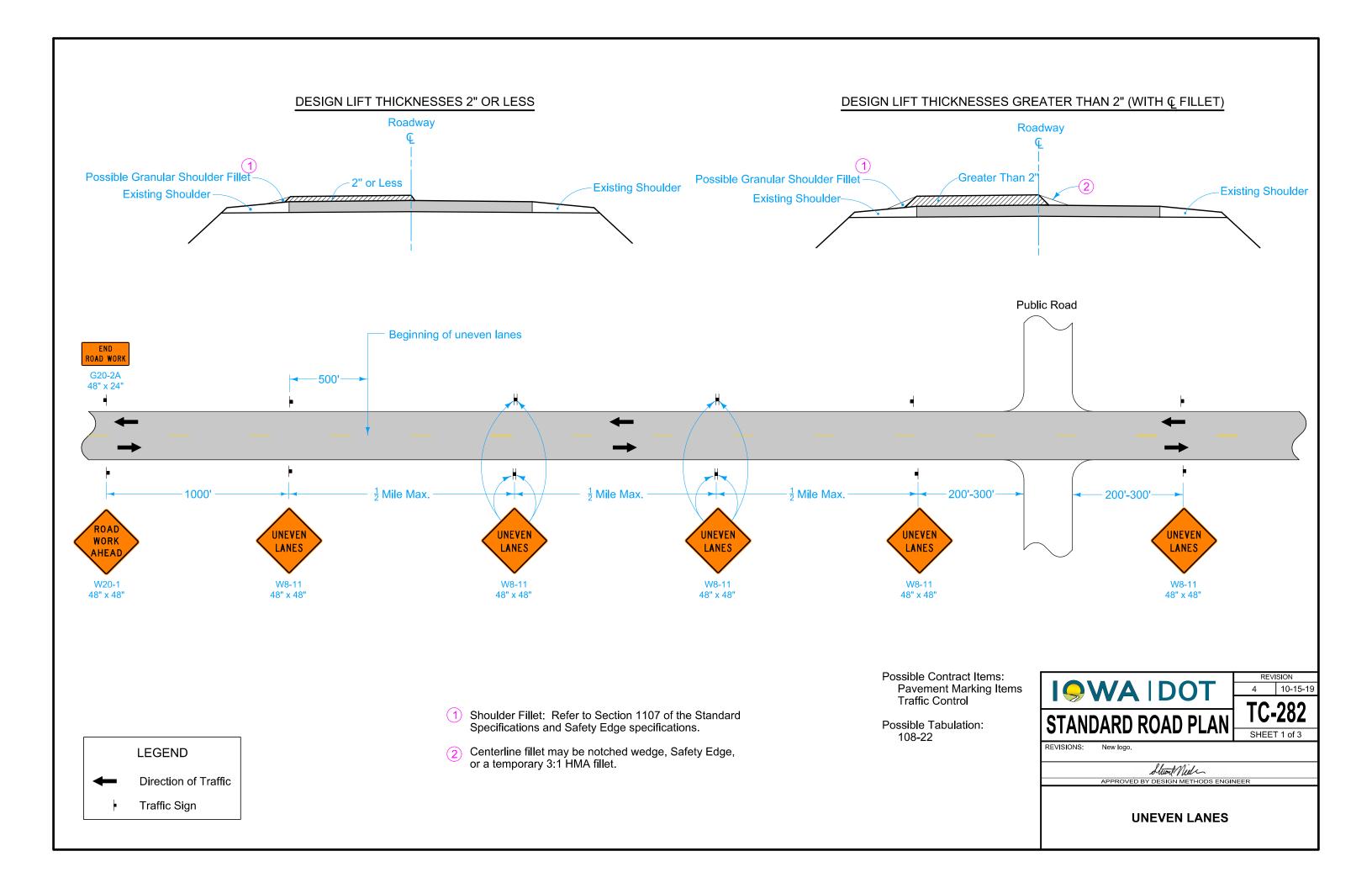
^{*} Speed Limit refers to regulatory speed limit before road work.

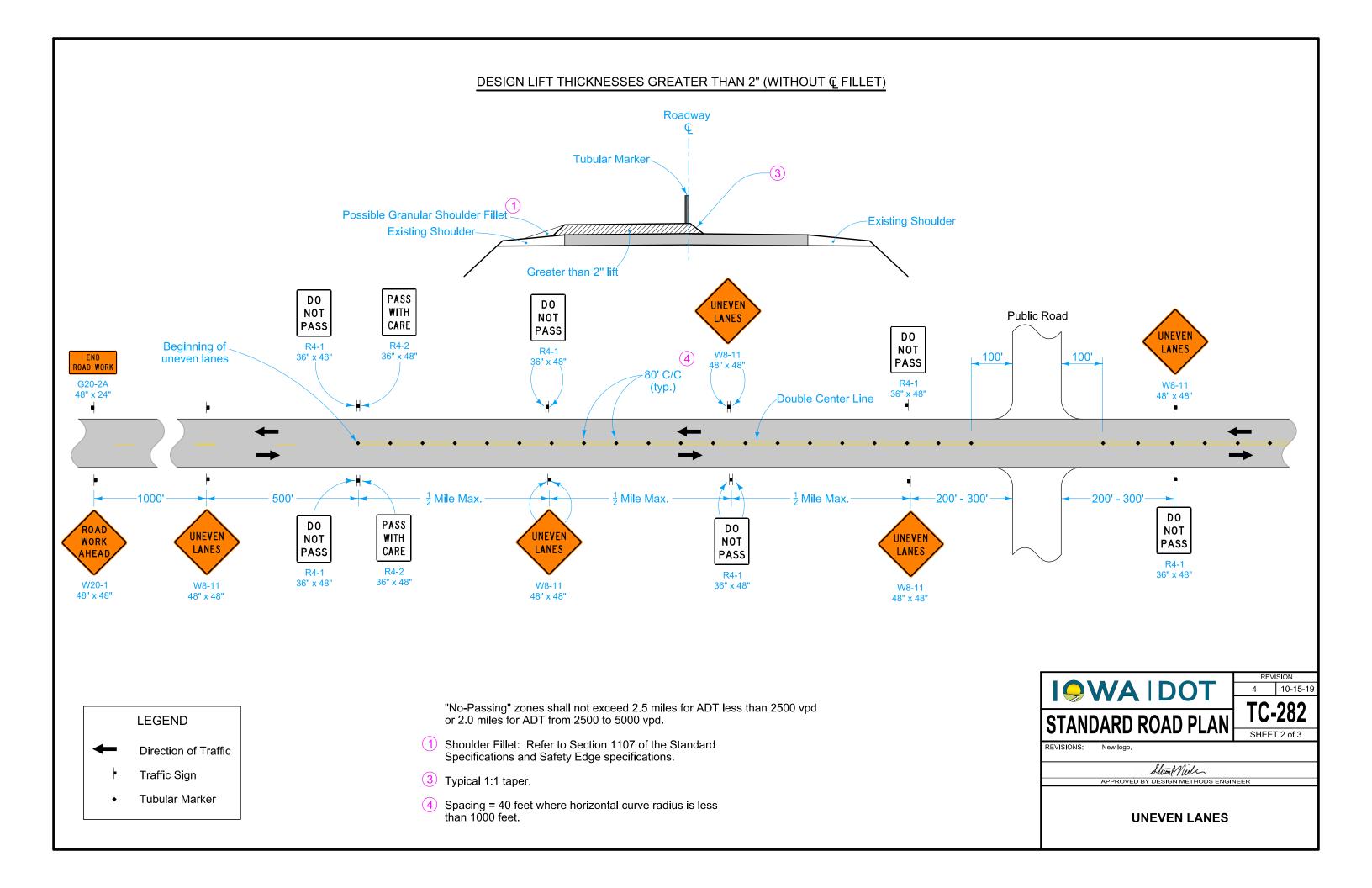
Possible Contract Items:

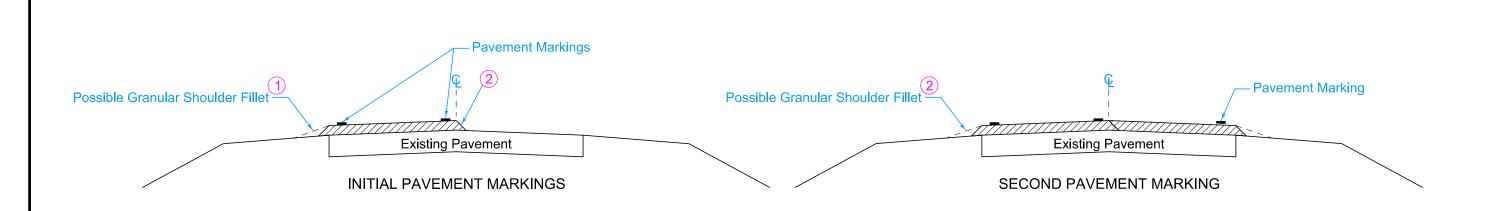
Traffic Control Flaggers

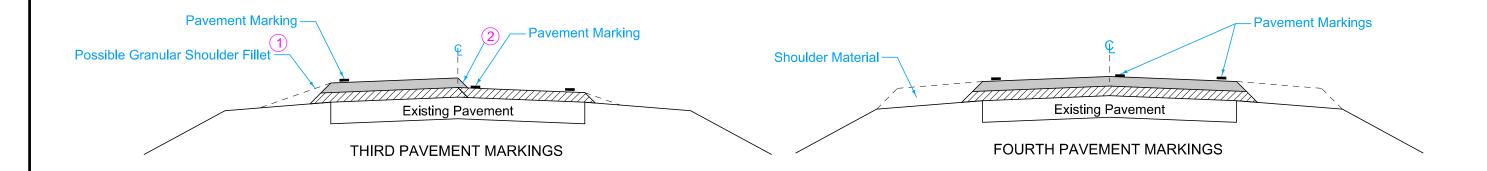






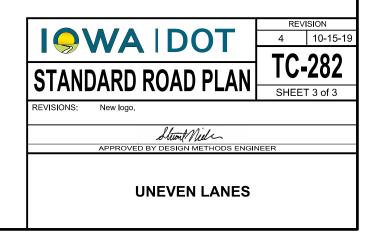






PAVEMENT MARKING SEQUENCE

- 1 Shoulder Fillet: Refer to Standard Specification 1107 and Safety Edge specifications.
- 2 Centerline fillet may be notched wedge, Safety Edge, or a temporary 3:1 HMA fillet.

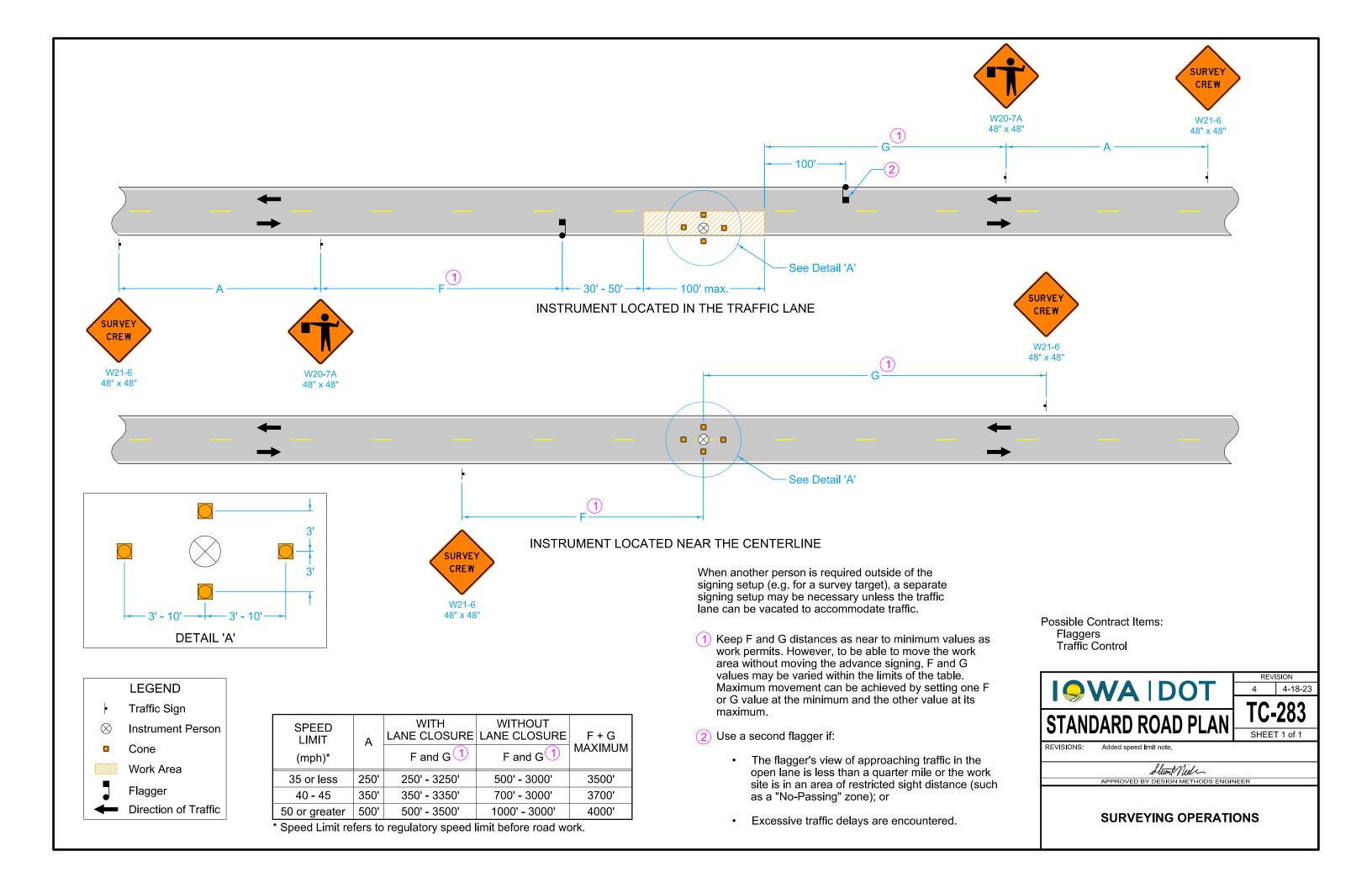




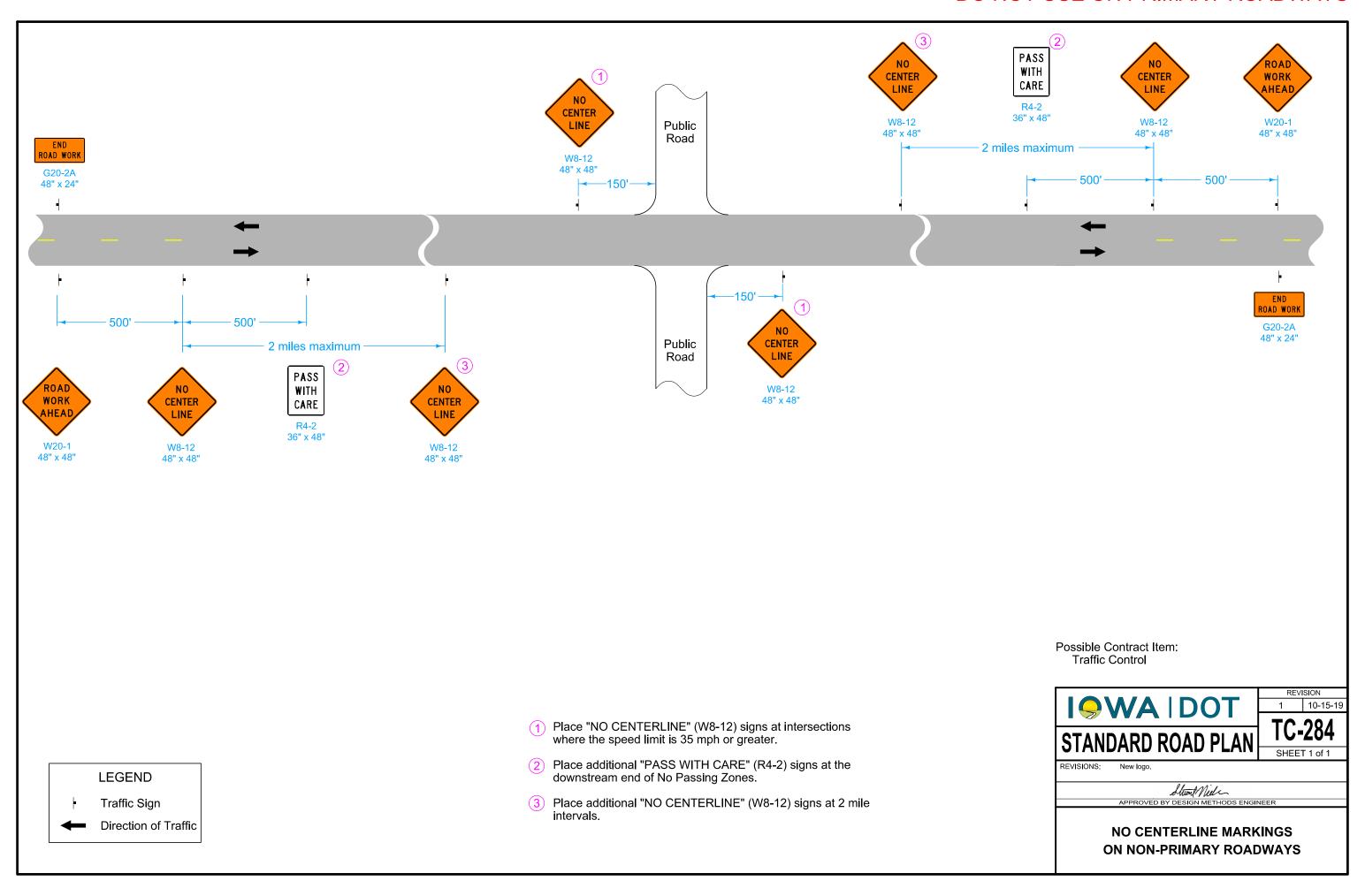
Surface Course

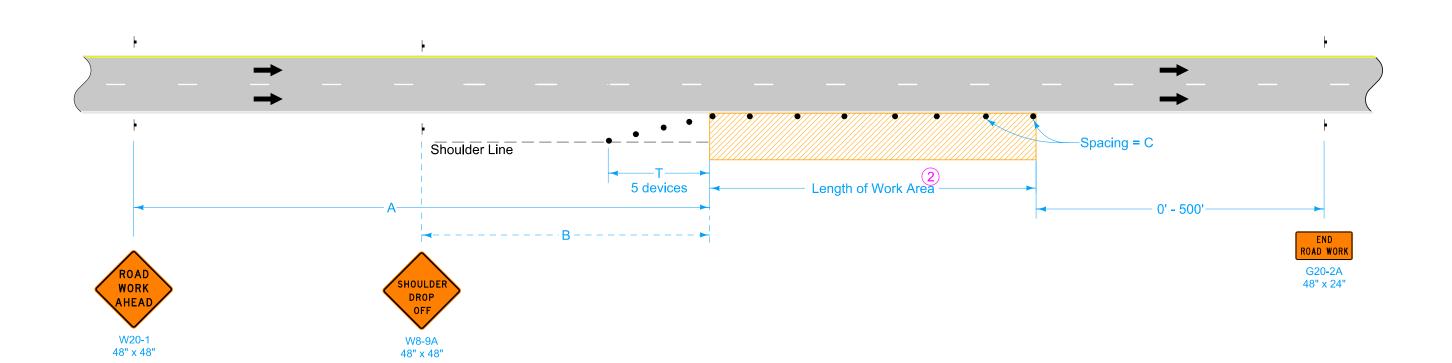


Intermediate Course



DO NOT USE ON PRIMARY ROADWAYS





When a pavement edge drop-off exists, install a SHOULDER DROP-OFF sign.

No pavement edge drop-offs greater than pavement depth will be allowed during non-working hours.

Shoulder edge drop-offs shall be mitigated according to Article 1107.08.K2 of the Standard Specifications.

For work lasting less than one hour, refer to TC-1.

- 1 When the length of a pavement edge drop-off is 1000 feet or less, the temporary fillet requirement of Article 1107.08 of the Standard Specifications does not apply. Reduce channelizer spacing to 40 feet.
- 2 For work areas less than 200 feet long, use channelizers spaced at 20 foot centers or use a vehicle with an amber revolving light or amber strobe light.

Possible Contract Item: Traffic Control

	REVISION		
	10	4-18-23	
		TC	400
STANDARD ROA	16-	402	
OTANDAND NOF	ID I LAN	SHEE	T 1 of 1
REVISIONS: Added speed limit not	э.		
Sub- Approved by desi	Mill GN METHODS ENGIR	NEER	
	VITHIN 15 F VELED WA	•	

LEGEND

Traffic Sign

42" Channelizer

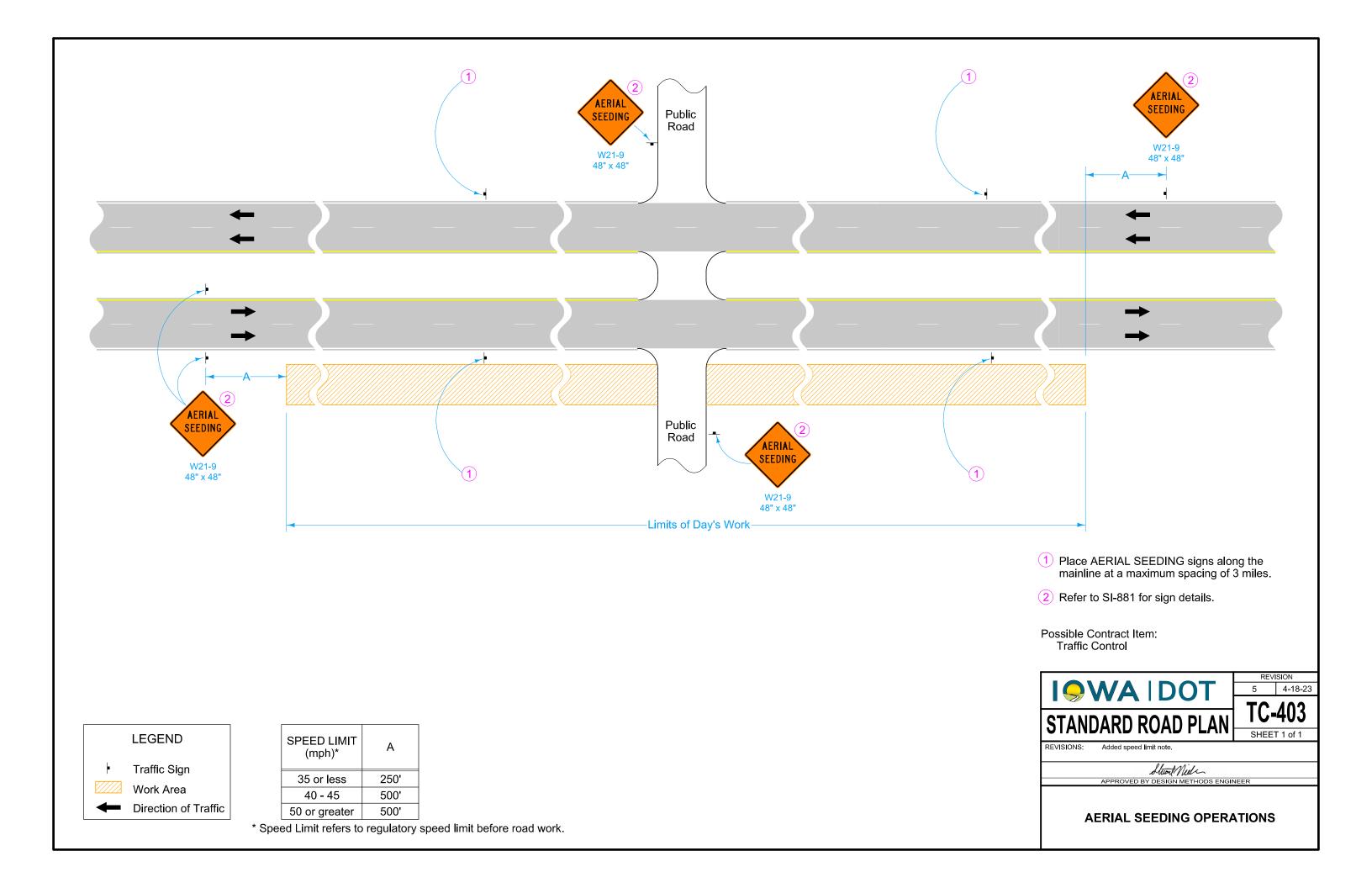
Work Area

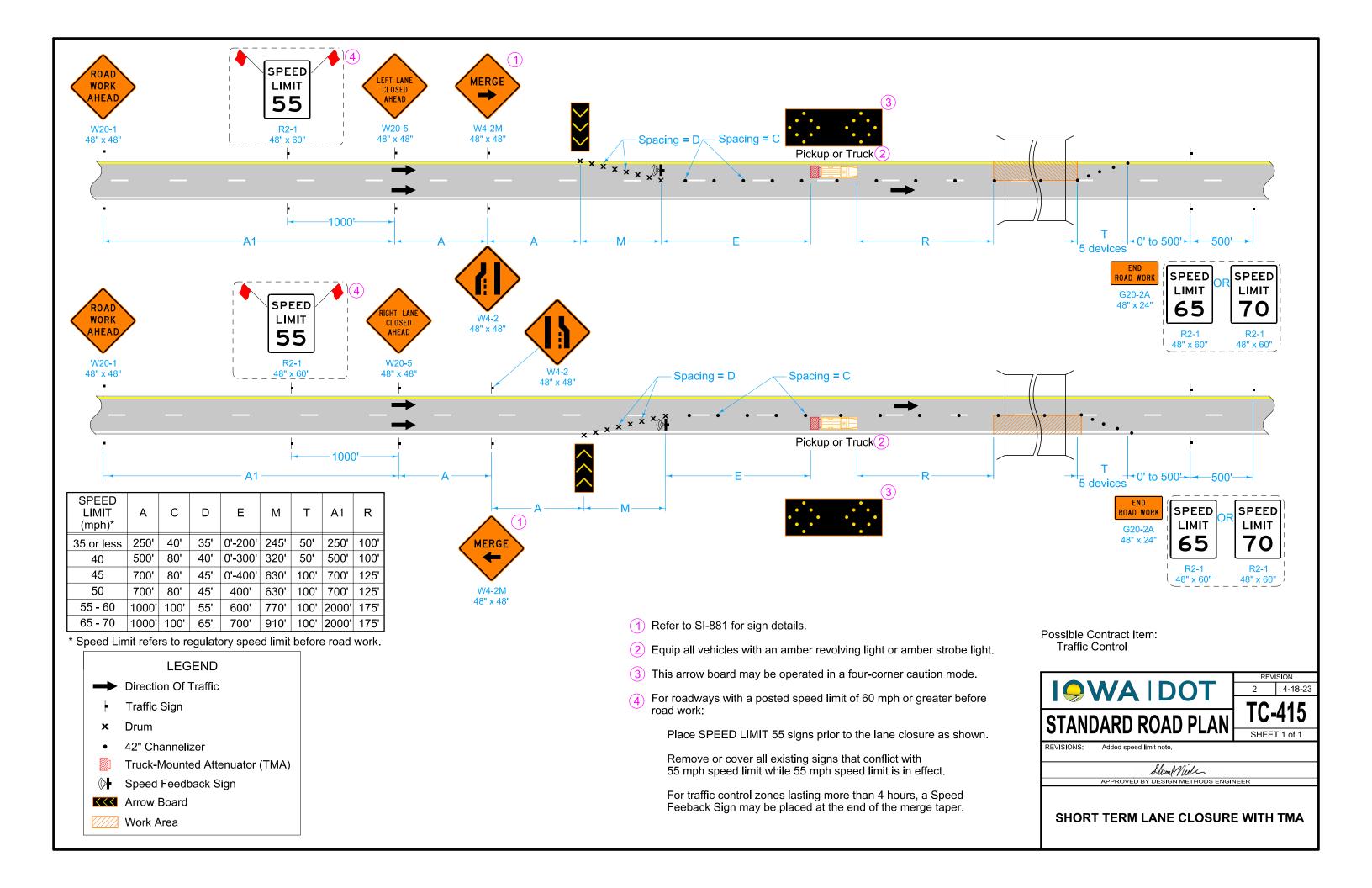


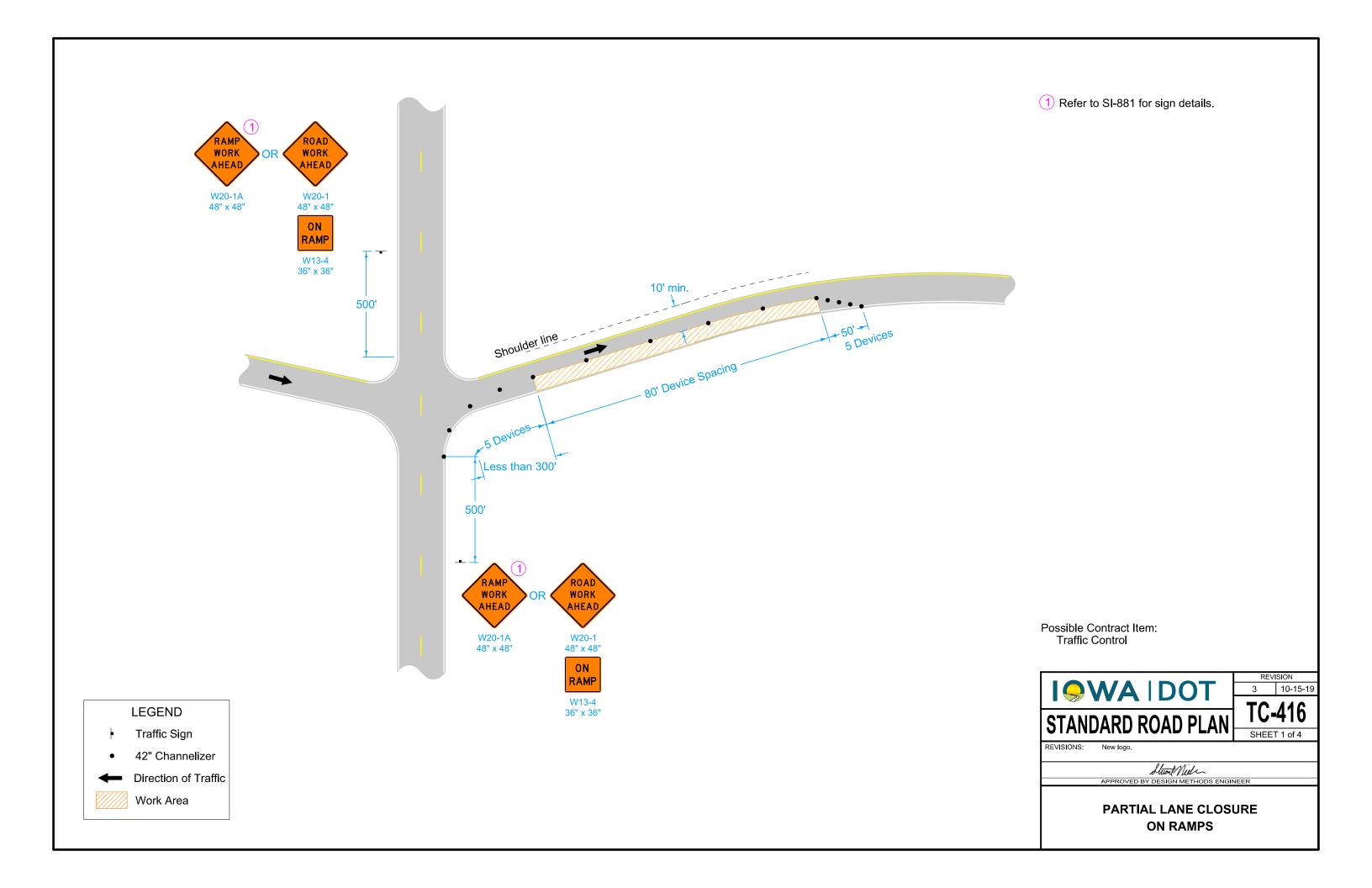
Direction of Traffic

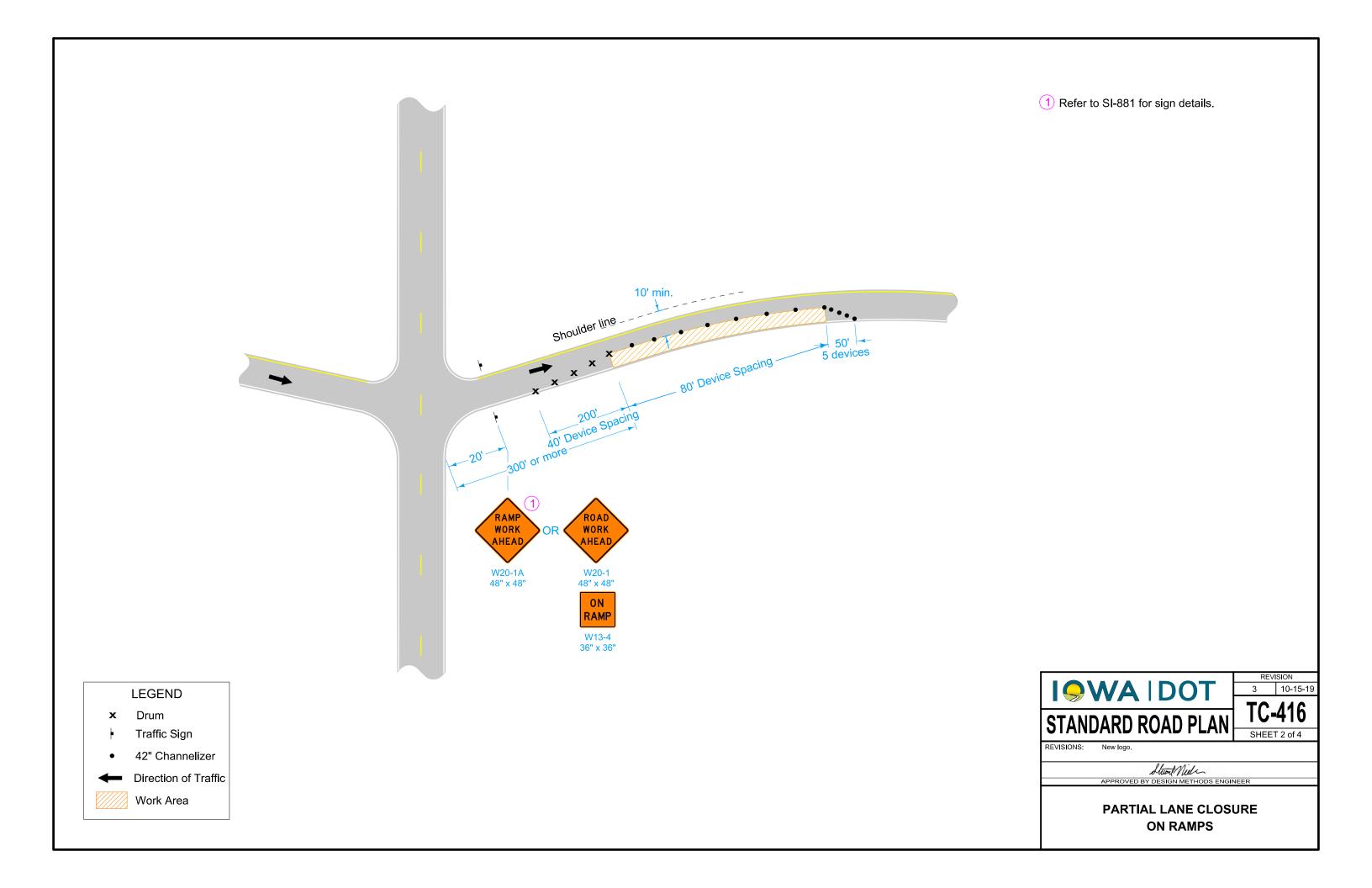
SPEED LIMIT (mph)*	Α	В	C 2	Т
40 or less	500'	250'	40'	100'
45 - 50	700'	350'	80' 1	200'
55 - 60	1500'	500'	100'1	200'
65 - 70	1500'	500'	100'(1)	230'

^{*} Speed Limit refers to regulatory speed limit before road work.



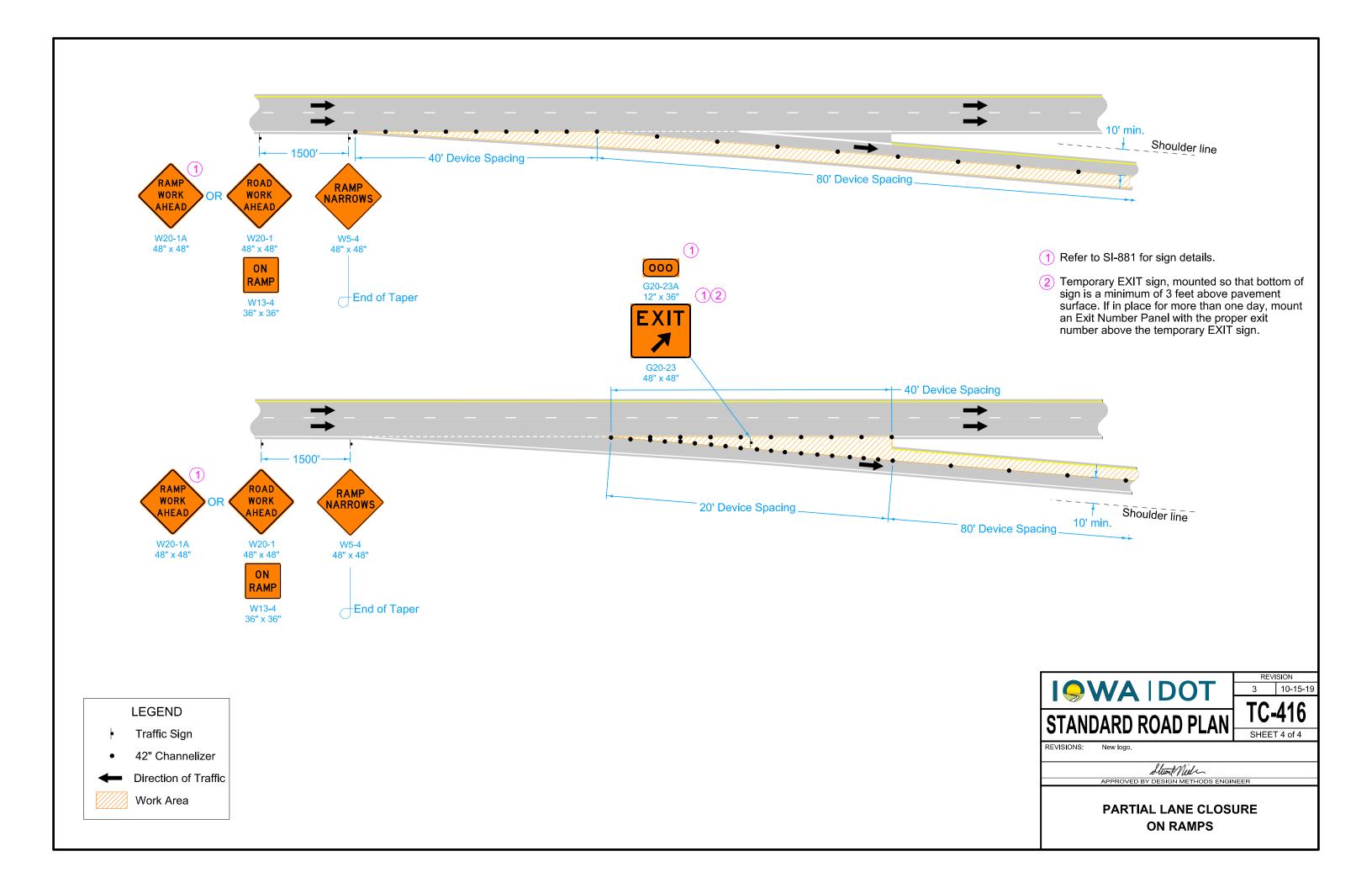


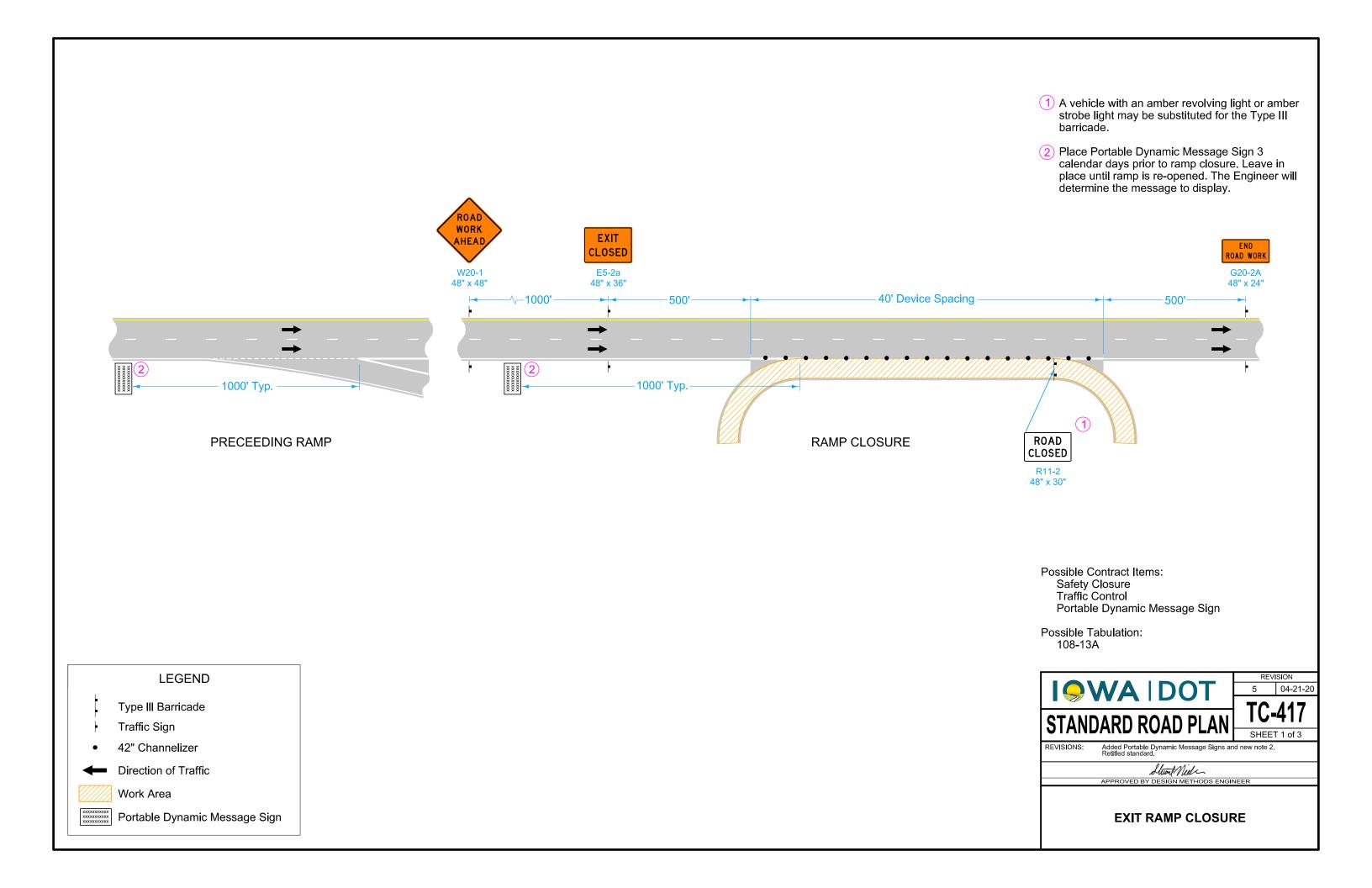


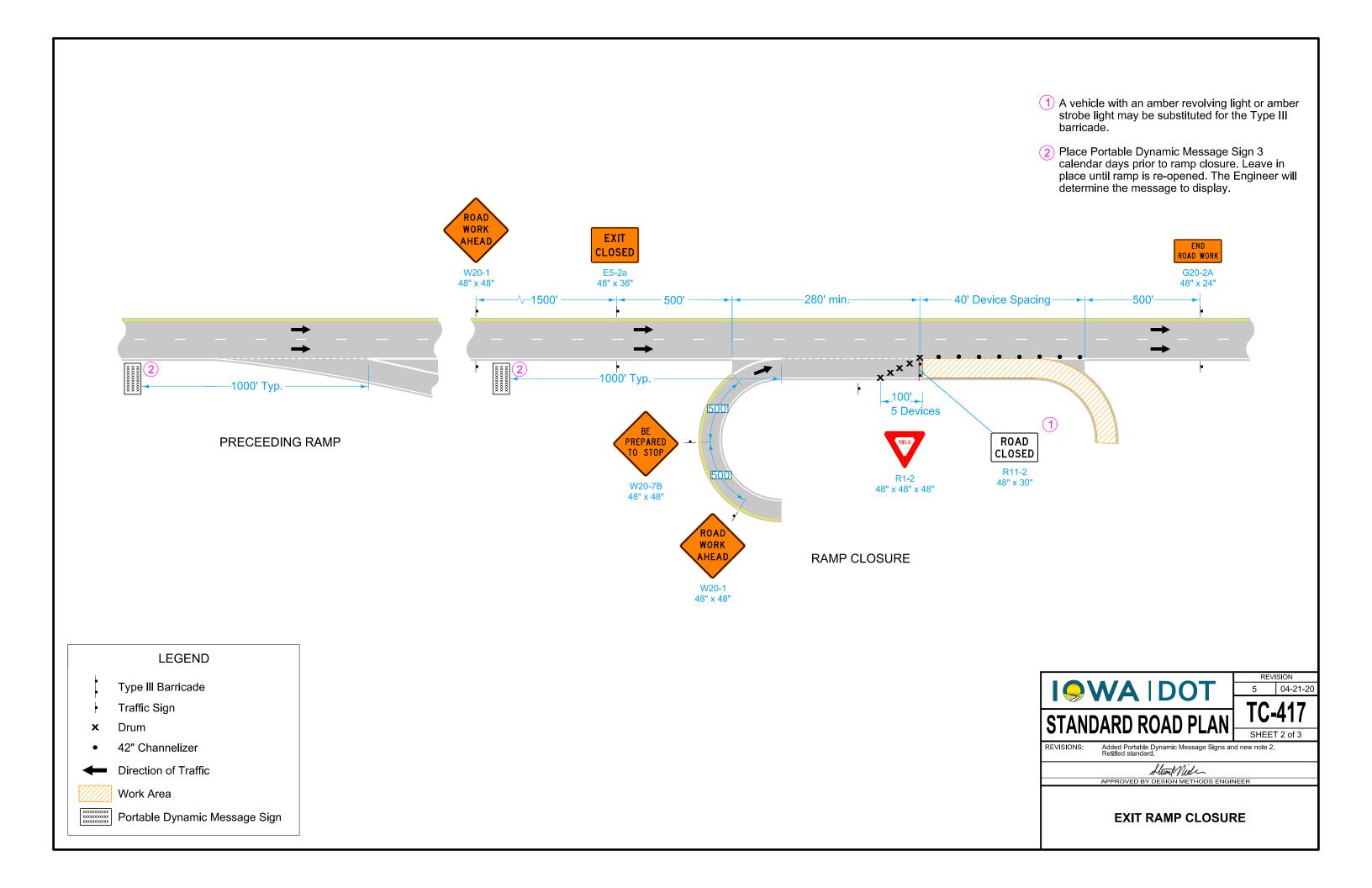


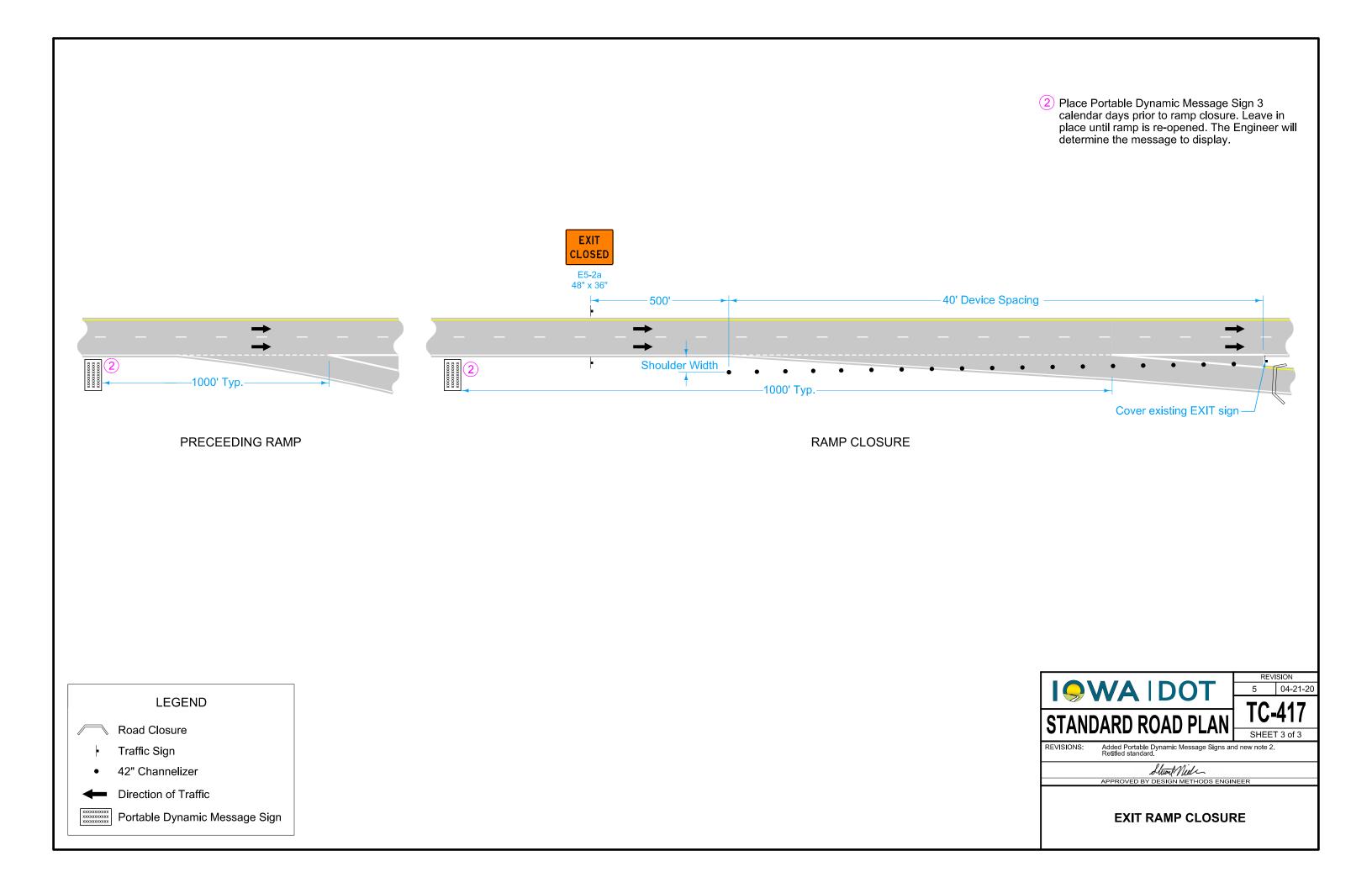
1 Refer to SI-881 for sign details. 10' min. _ _ _ Shoulder line **└**──\─1500'─ 300' min. 40' Device Spacing -80' Device Spacing RAMP NARROWS WORK AHEAD W20-1A 48" x 48" W20-1 48" x 48" W5**-**4 48" x 48" ON RAMP End of Taper W13-4 36" x 36" REVISION I SWA | DOT 3 10-15-19 LEGEND **x** Drum STANDARD ROAD PLAN Traffic Sign SHEET 3 of 4 REVISIONS: New logo. 42" Channelizer Short Mills
APPROVED BY DESIGN METHODS ENGINEER Direction of Traffic Work Area **PARTIAL LANE CLOSURE**

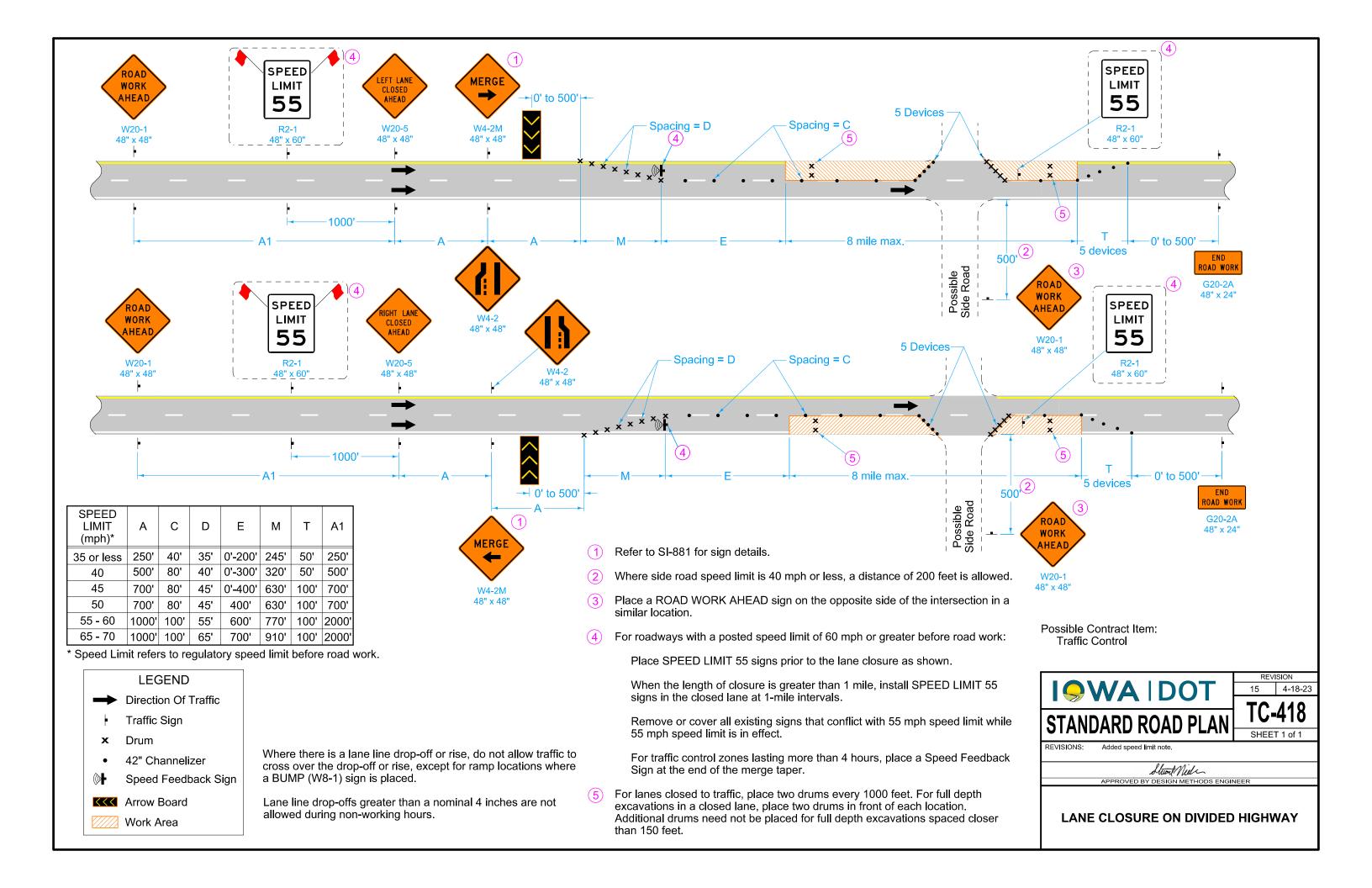
ON RAMPS

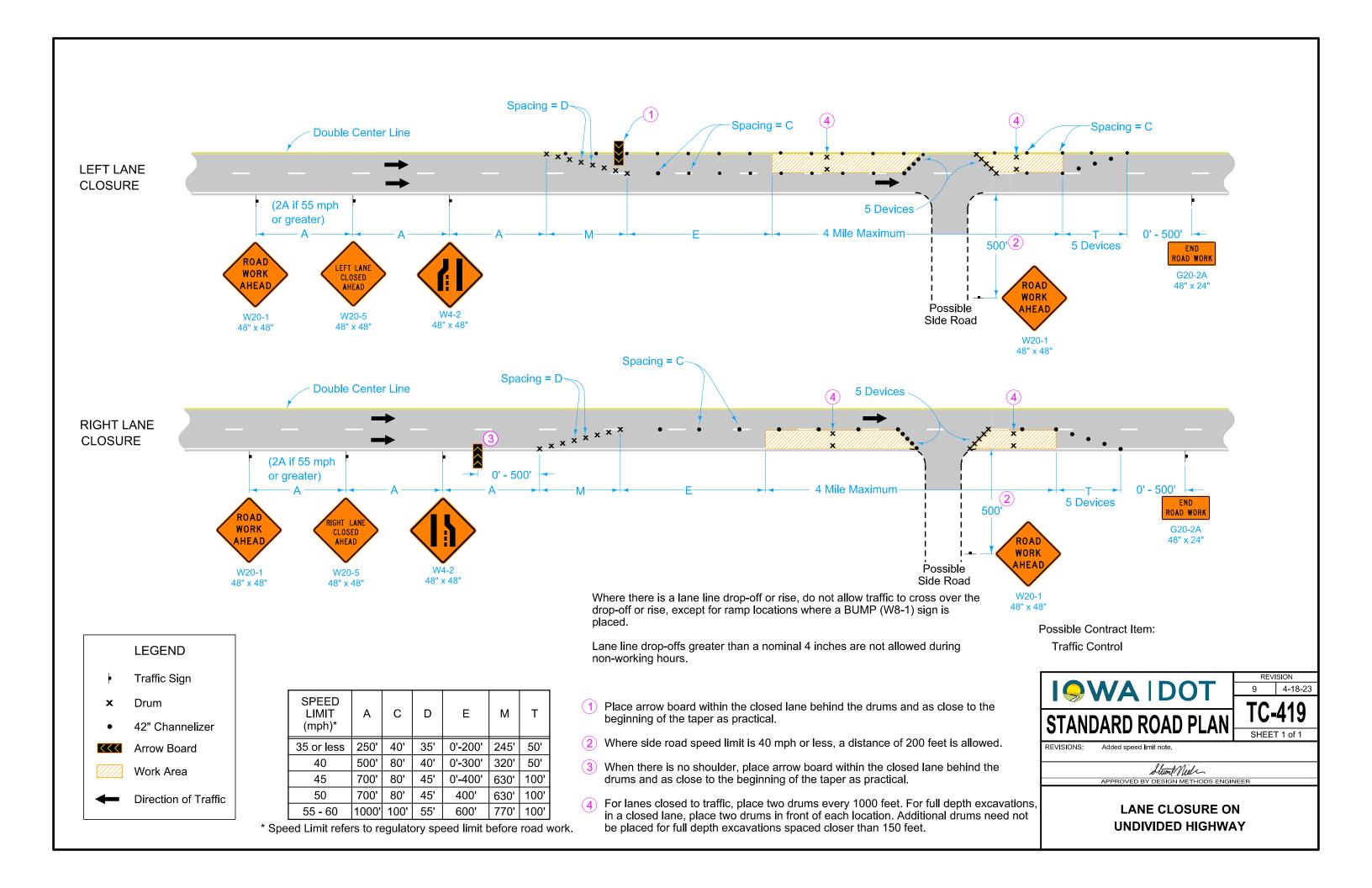


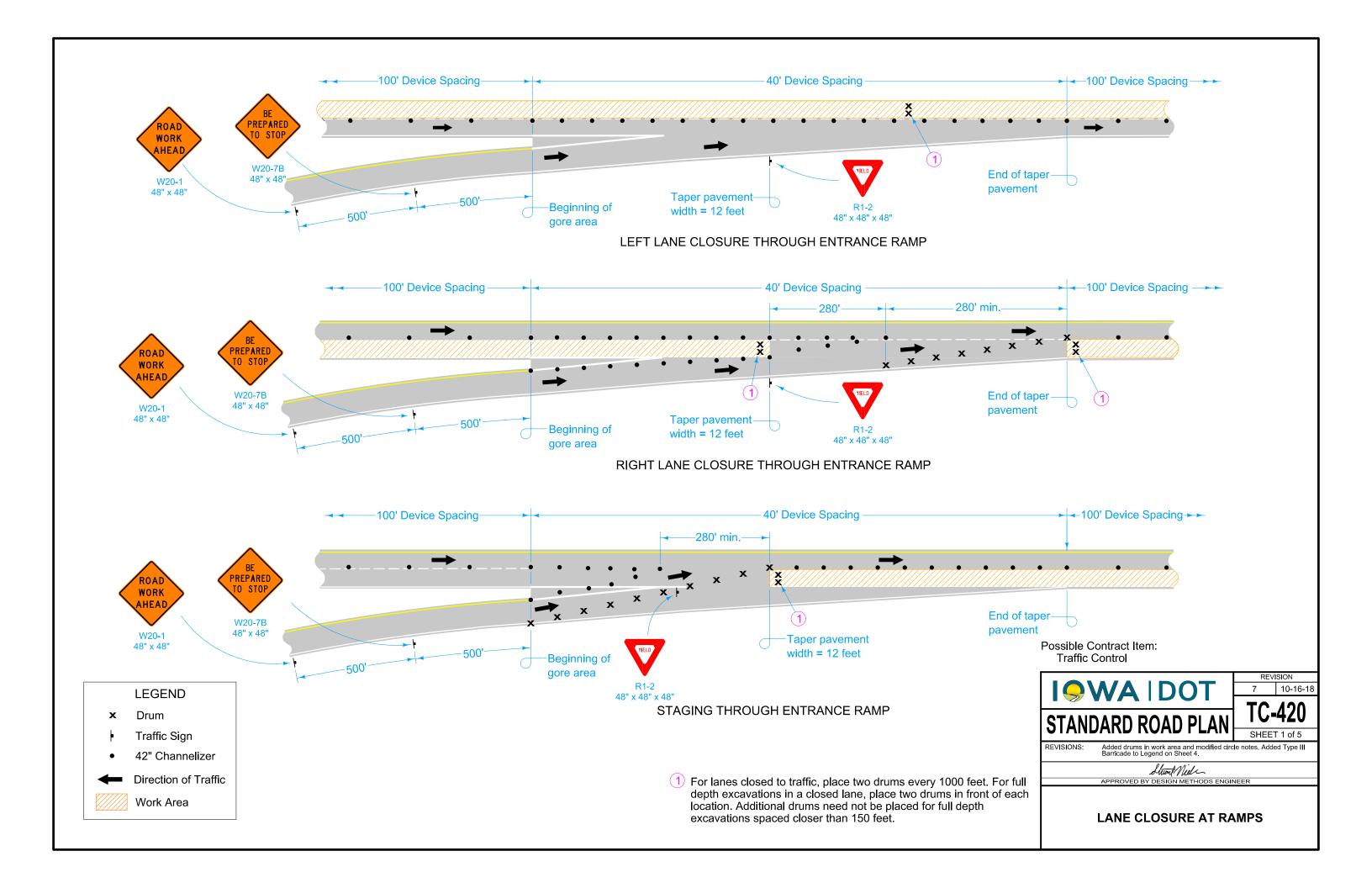


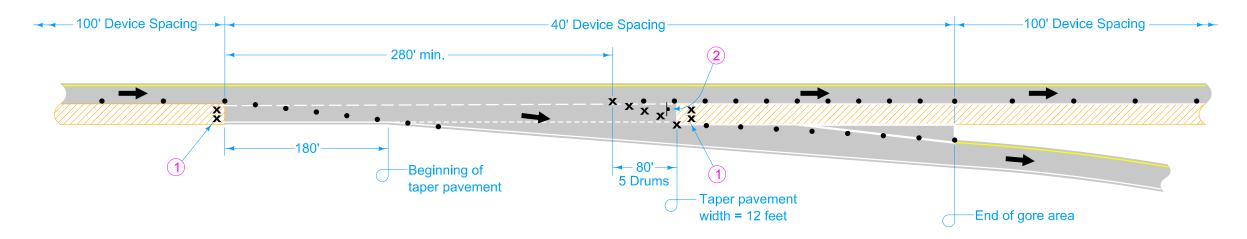




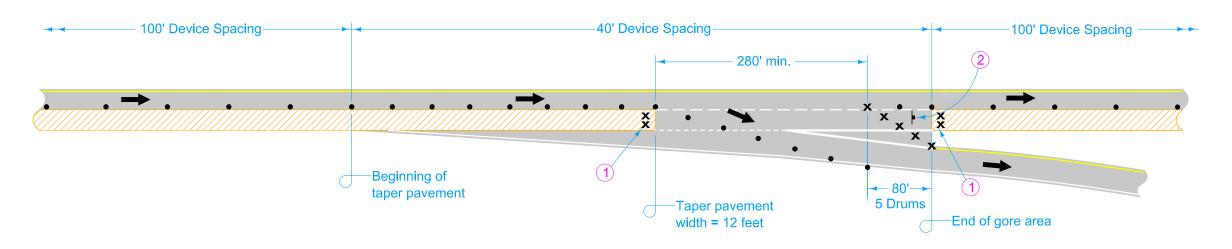








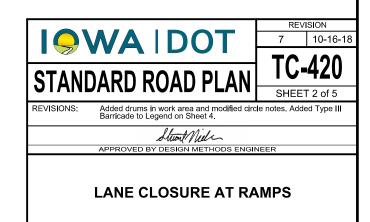
RIGHT LANE CLOSURE THROUGH EXIT RAMP

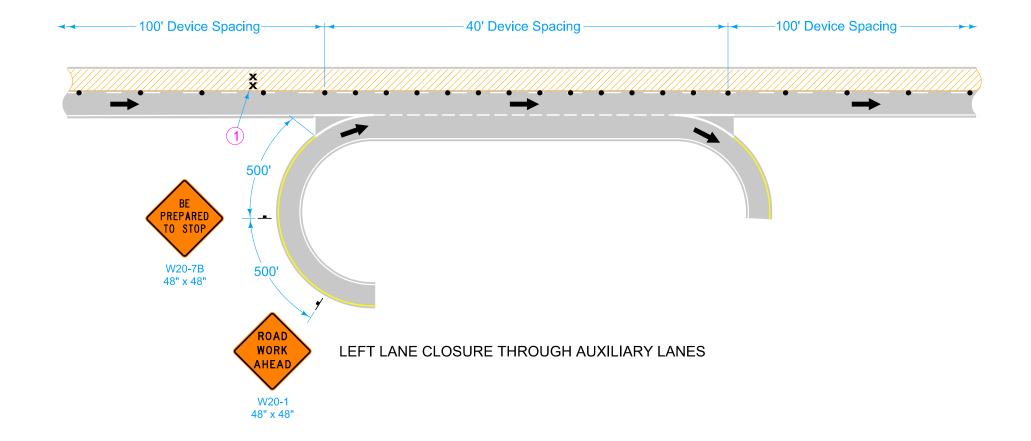


STAGING THROUGH EXIT RAMP



- For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.
- 2 Temporary EXIT sign, mounted so that bottom of sign is a minimum of 3 feet above pavement surface. If in place for more than one day, mount an Exit Number Panel with the proper exit number above the temporary EXIT sign. See SI-881 for details.







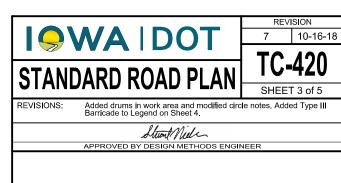
- **x** Drum
- Traffic Sign
- 42" Channelizer

← Direction of Traffic

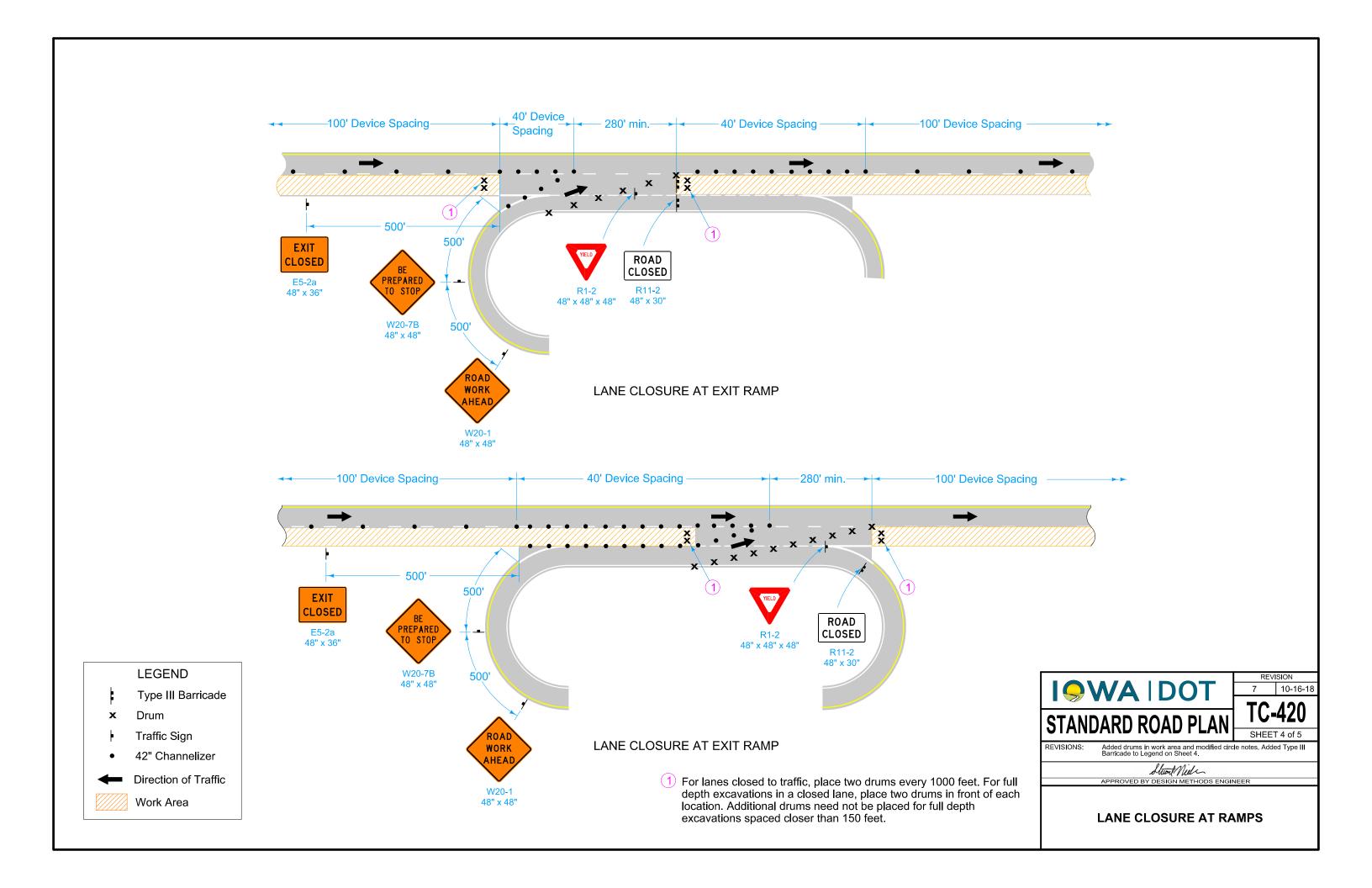


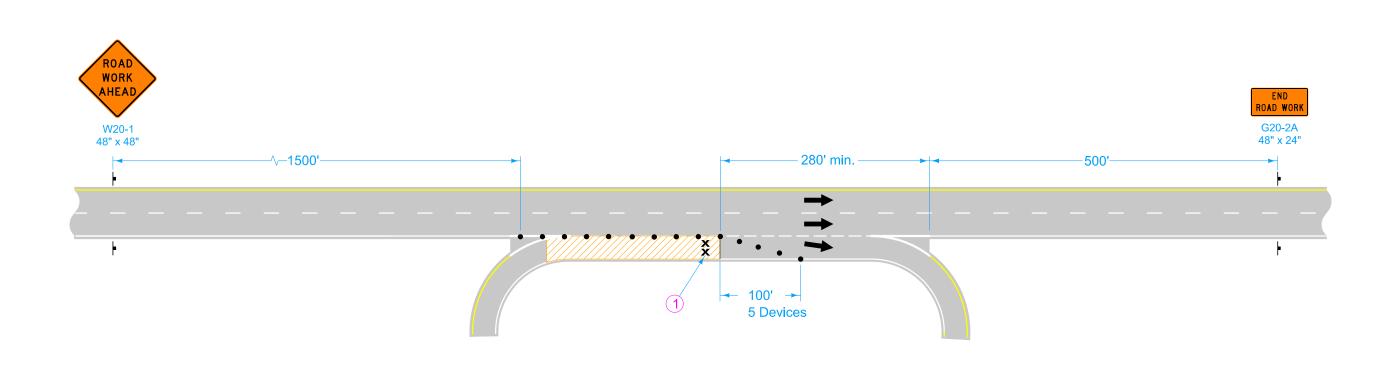
Work Area

1 For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.



LANE CLOSURE AT RAMPS

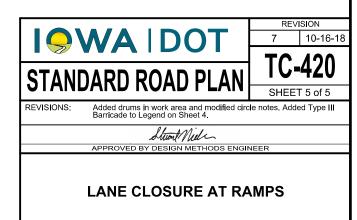


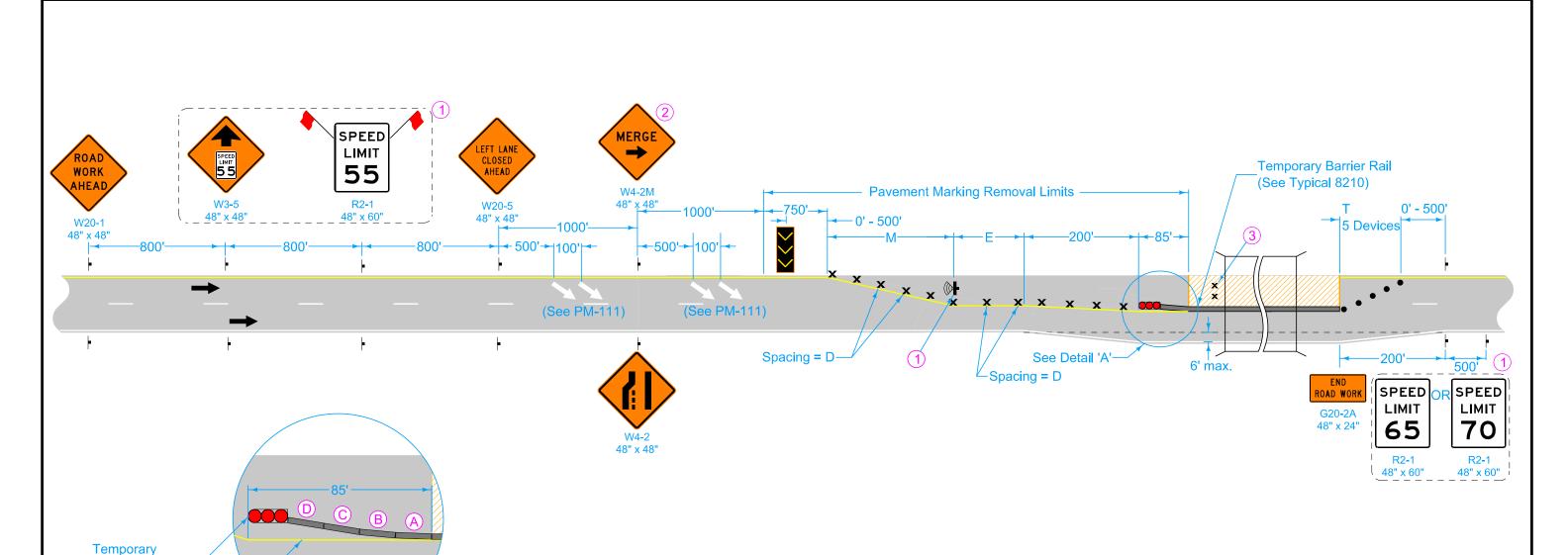


LANE CLOSURE AT EXIT RAMP



1 For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.





DETAIL 'A'

Place Concrete Barrier Markers at 10 ft C/C on bridge rail.

SPEED LIMIT (mph)* D E M T 45 - 50 45' 300' 630' 100' 55 - 60 55' 400' 770' 100' 65 - 70 65' 500' 910' 100'

LEGEND

- Traffic Sign
- **X** Drum

Crash Cushion-

Tangent length of edge line-

- 42" Channelizer
- Speed Feedback Sign
- (((
 - Arrow Board
- Temporary Crash Cushion
 Work Area
- Direction of Traffic

1 For roadways with a posted speed limit of 60 mph or greater before road work:

Place SPEED LIMIT AHEAD sign and SPEED LIMIT 55 sign prior to the lane closure as shown. Place SPEED LIMIT65 or 70 beyond the work area as shown.

For traffic control zones lasting more than 4 hours, place a Speed Feedback Sign at the end of the merge taper.

- 2 Refer to SI-881 for sign details.
- For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.

Possible Contract Items.

Painted Symbols and Legends Pavement Marking Items Pavement Markings Removed Symbols and Legends Removed Temporary Barrier Rail Temporary Crash Cushions

Possible Tabulations:

108-22

108-29 108-30

108-33



REVISION
21 4-15-25

TC_111

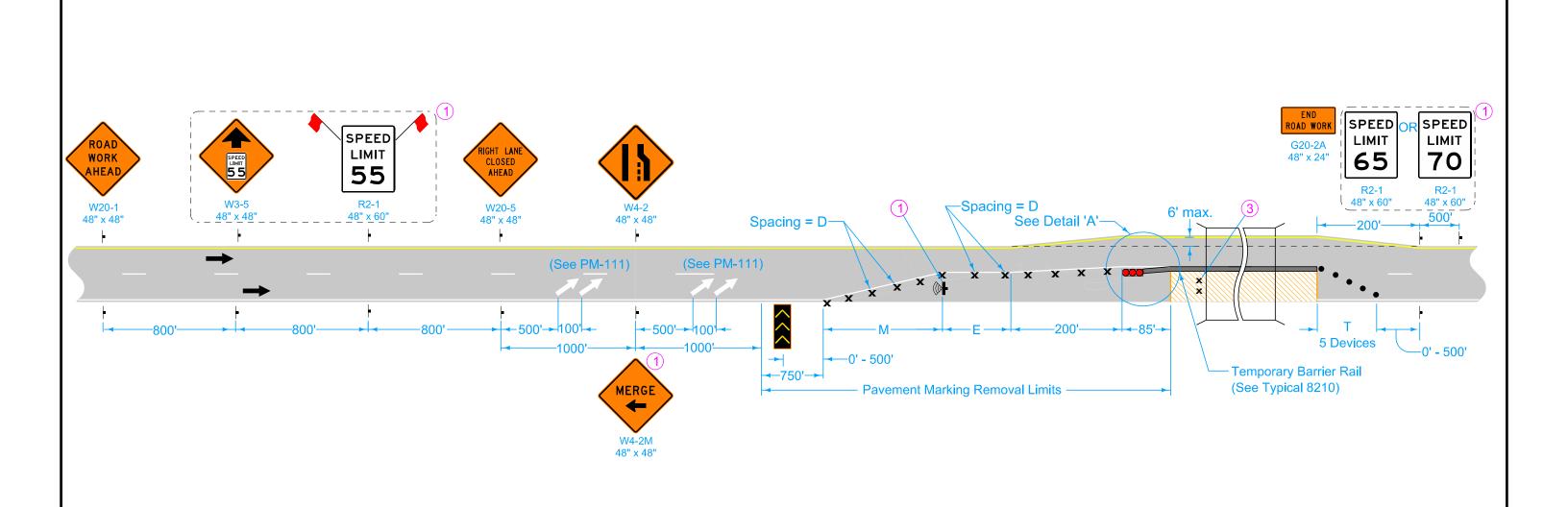
SHEET 1 of 2

EVISIONS: Added 200' dimension to exit taper.

Short Mills APPROVED BY DESIGN METHODS ENGINEER

LANE CLOSURE WITH TBR

^{*} Speed Limit refers to regulatory speed limit before road work.



LEGEND

- Traffic Sign
- Drum
- 42" Channelizer
- Speed Feedback Sign
- Arrow Board
- **Temporary Crash Cushion**



Work Area

◆ Direction of Traffic

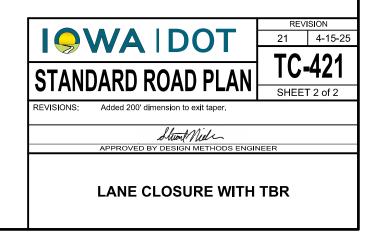
For traffic control zones lasting more than 4 hours, place a Speed Feedback Sign at the end of the merge taper.

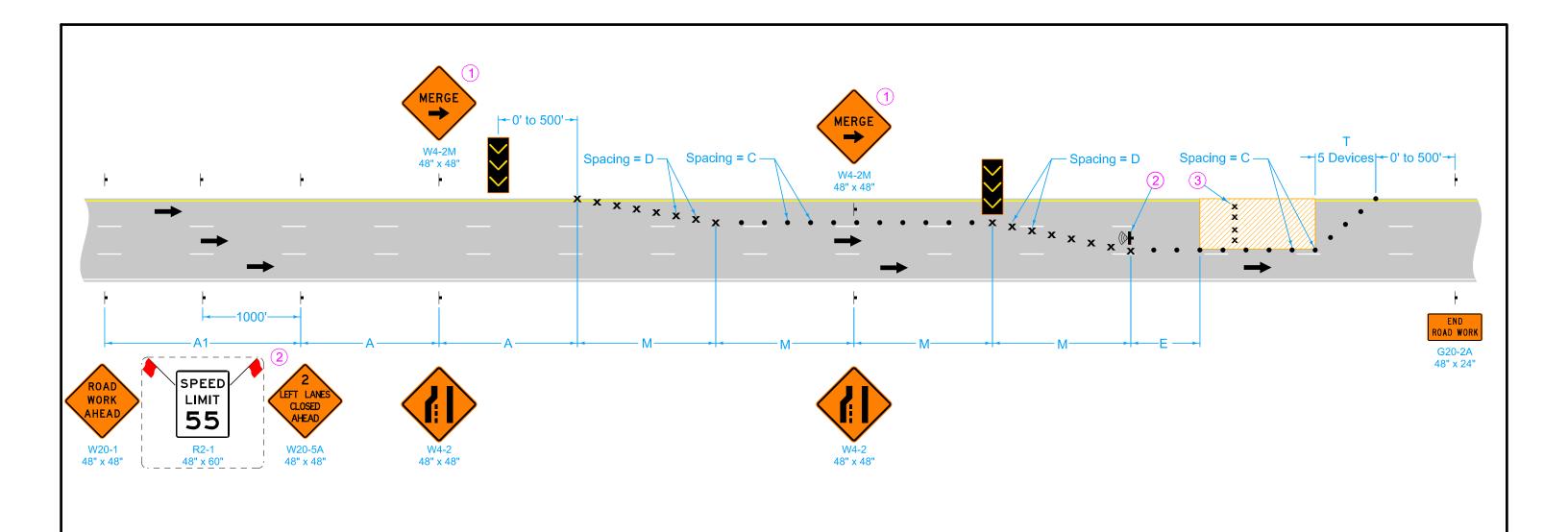
- 2 Refer to SI-881 for sign details.
- 3 For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.

Place SPEED LIMIT AHEAD sign and SPEED LIMIT 55 sign prior to the lane closure as shown. Place SPEED LIMIT

1 For roadways with a posted speed limit of 60 mph or greater before road work:

65 or 70 beyond the work area as shown.





Where there is a lane line drop-off or rise, do not allow traffic to cross over the drop-off or rise, except for ramp locations where a BUMP (W8-1) sign is placed.

Lane line drop-offs greater than a nominal 4 inches are not allowed during non-working hours.

Refer to SI-881 for sign details.

For roadways with a posted speed limit of 60 mph or greater before road work:

Place SPEED LIMIT 55 signs prior to the lane closure as shown.

When the length of closure is greater than 1 mile, install SPEED LIMIT 55 signs in the closed lane at 1-mile intervals.

Remove or cover all existing signs that conflict with 55 mph speed limit while 55 mph speed limit is in effect.

For traffic control zones lasting more than 4 hours, place a Speed Feedback Sign at the end of the merge taper.

For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.

LEGEND

Direction Of Traffic

Traffic Sign

x Drum

• 42" Channelizer

Speed Feedback Sign

Arrow Board

7 III OW Boar

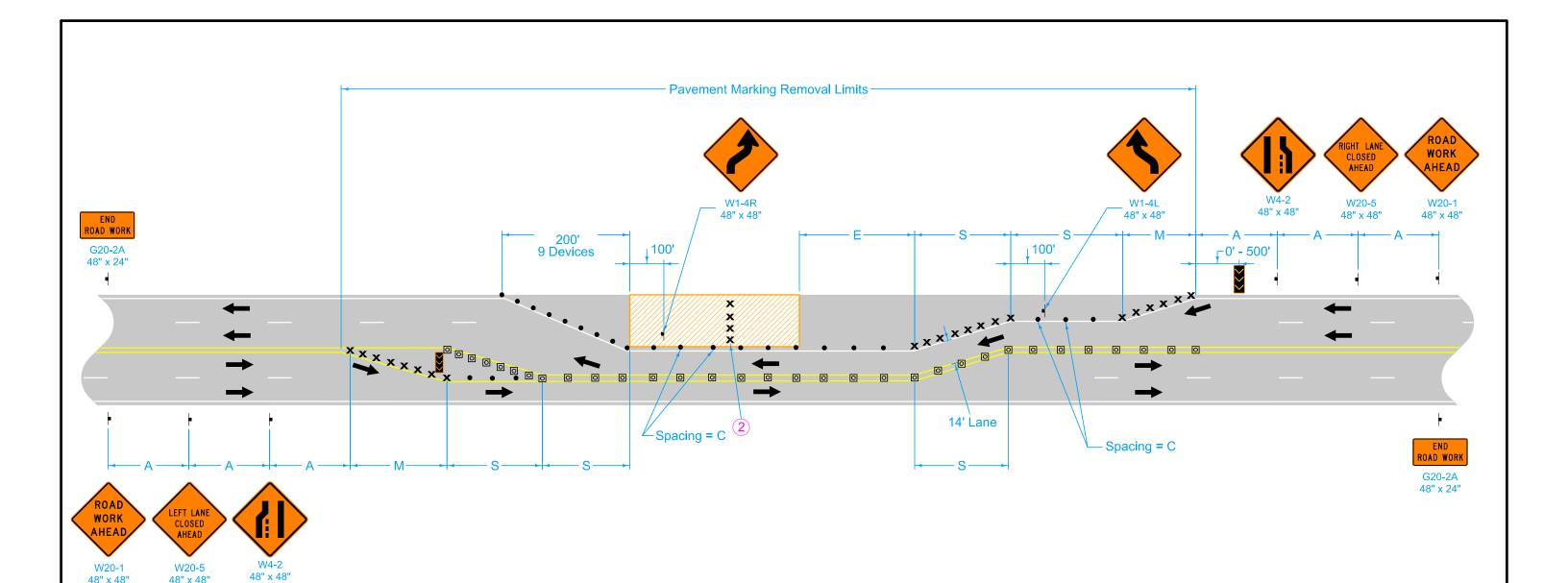
Work Area

SPEED LIMIT (mph)*	Α	С	D	E	М	Т	A1
35 or less	250'	40'	35'	0'-200'	245'	50'	250'
40	500'	80'	40'	0'-300'	320'	50'	500'
45	700'	80'	45'	0'-400'	630'	100'	700'
50	700'	80'	45'	400'	630'	100'	700'
55 - 60	1000'	100'	55'	600'	770'	100'	2000'
65 - 70	1000'	100'	65'	700'	910'	100'	2000'

^{*} Speed Limit refers to regulatory speed limit before road work.







LEGEND

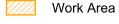
Traffic Sign

x Drum 1

42" Channelizer

<<<

Arrow Board



Direction of Traffic

Temporary Lane Separator System

А	С	D	E	М	S
250'	40'	35'	0'-200'	245'	140'
500'	80'	40'	0'-300'	320'	160'
700'	80'	45'	0'-400'	630'	315'
700'	80'	45'	400'	630'	315'
1000'	100'	55'	600'	770'	385'
	250' 500' 700' 700'	250' 40' 500' 80' 700' 80' 700' 80'	250' 40' 35' 500' 80' 40' 700' 80' 45' 700' 80' 45'	250' 40' 35' 0'-200' 500' 80' 40' 0'-300' 700' 80' 45' 0'-400' 700' 80' 45' 400'	250' 40' 35' 0'-200' 245' 500' 80' 40' 0'-300' 320' 700' 80' 45' 0'-400' 630' 700' 80' 45' 400' 630'

* Speed Limit refers to regulatory speed limit before road work.

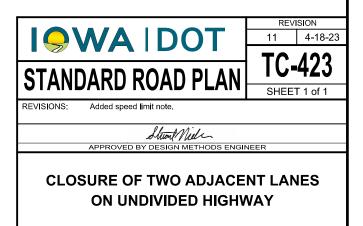
For traffic control zones in place for 3 calendar days or less, place arrow boards, devices and signs as shown. For traffic control zones in place for 4 calendar days or more, also remove permanent pavement markings and place temporary pavement markings as shown.

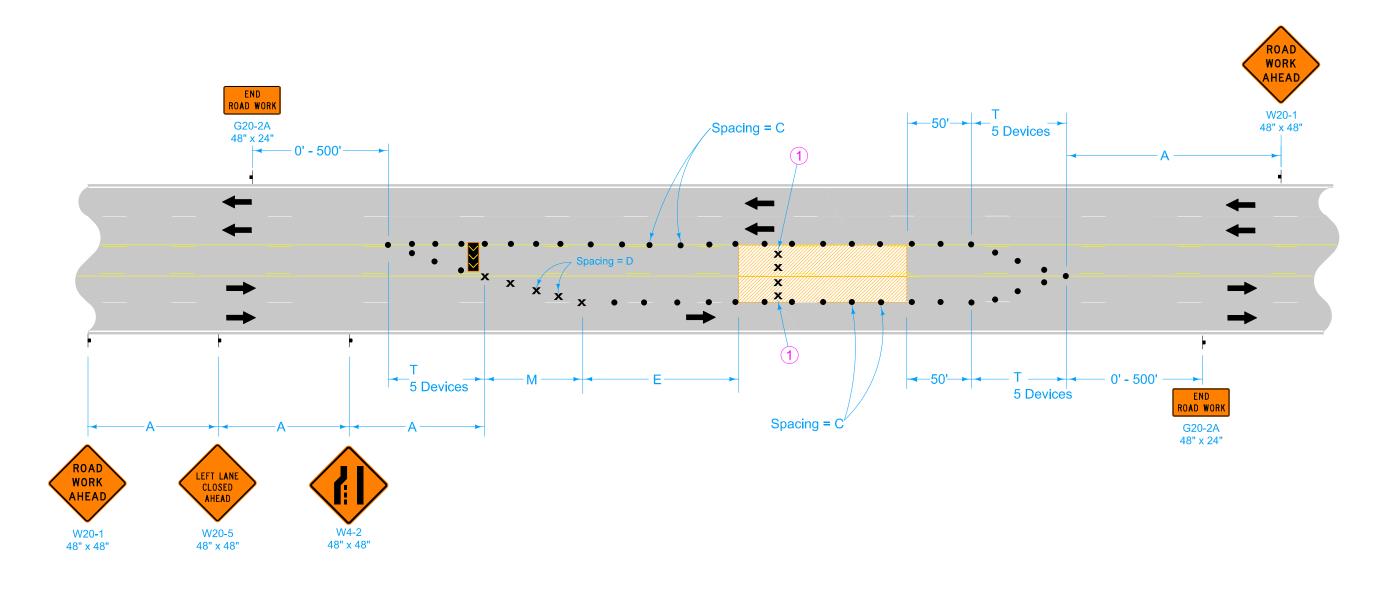
When this layout is used during nighttime hours and the width of existing traffic lanes is 11 feet or less, use tubular markers to separate two-way two-lane traffic.

- 1 Spacing = D for drums placed in tapers.
- 2 For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.
- 3 For work zones in place more than 3 calendar days, use TLSS. For work zones in place for 3 calendar days or less, 42" channelizers spaced at 40" c/c may be substituted for TLSS.

Possible Contract Items:
Pavement Marking Items
Pavement Markings Removed
Traffic Control
Temporary Lane Separator System

Possible Tabulation: 108-22

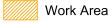




excavations spaced closer than 150 feet.

LEGEND

- 42" Channelizer
- **x** Drum
- Traffic Sign



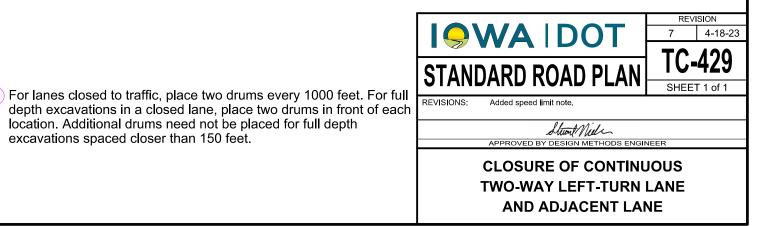
← Direction of Traffic

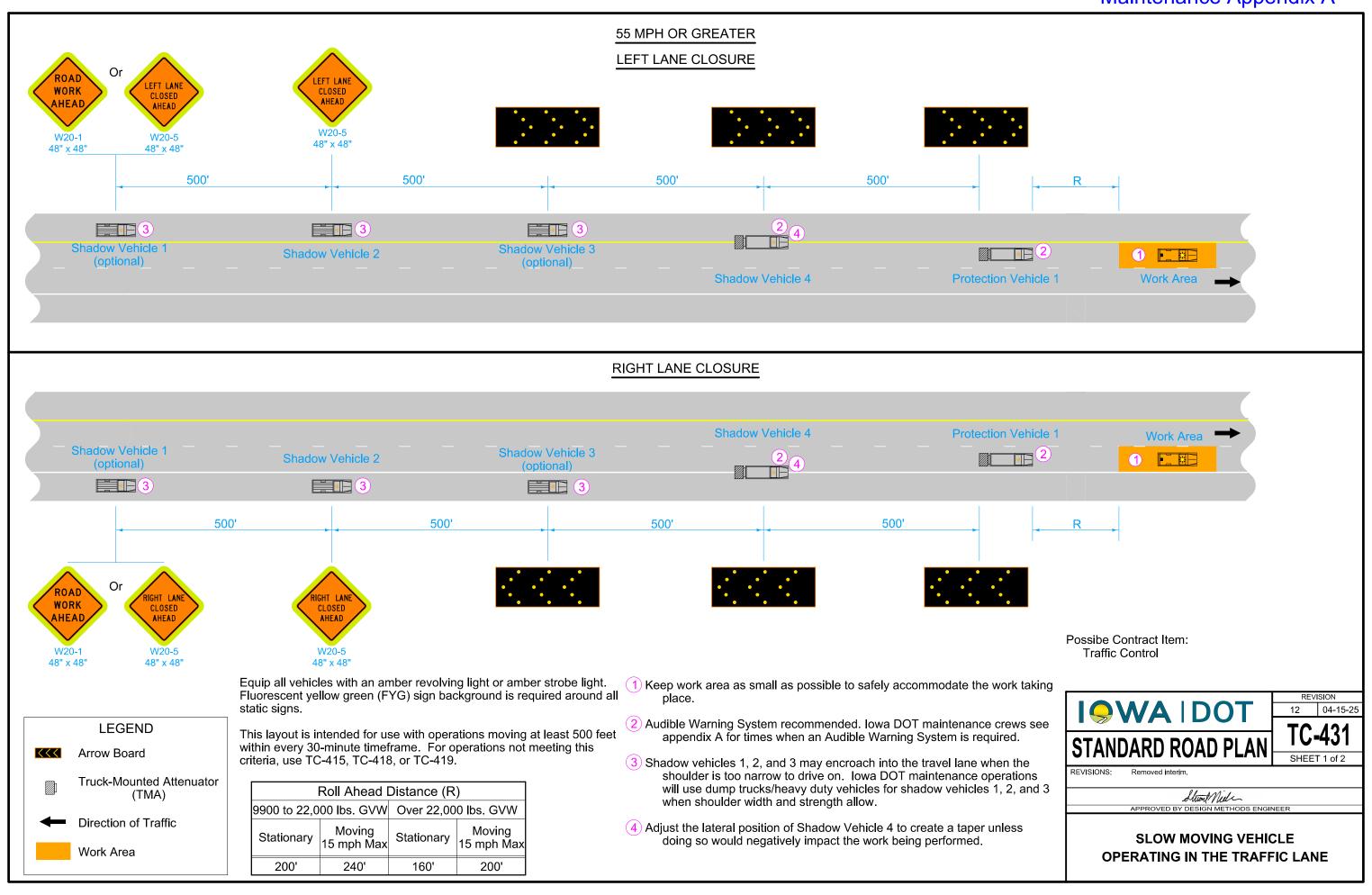
KKK Arrow Board

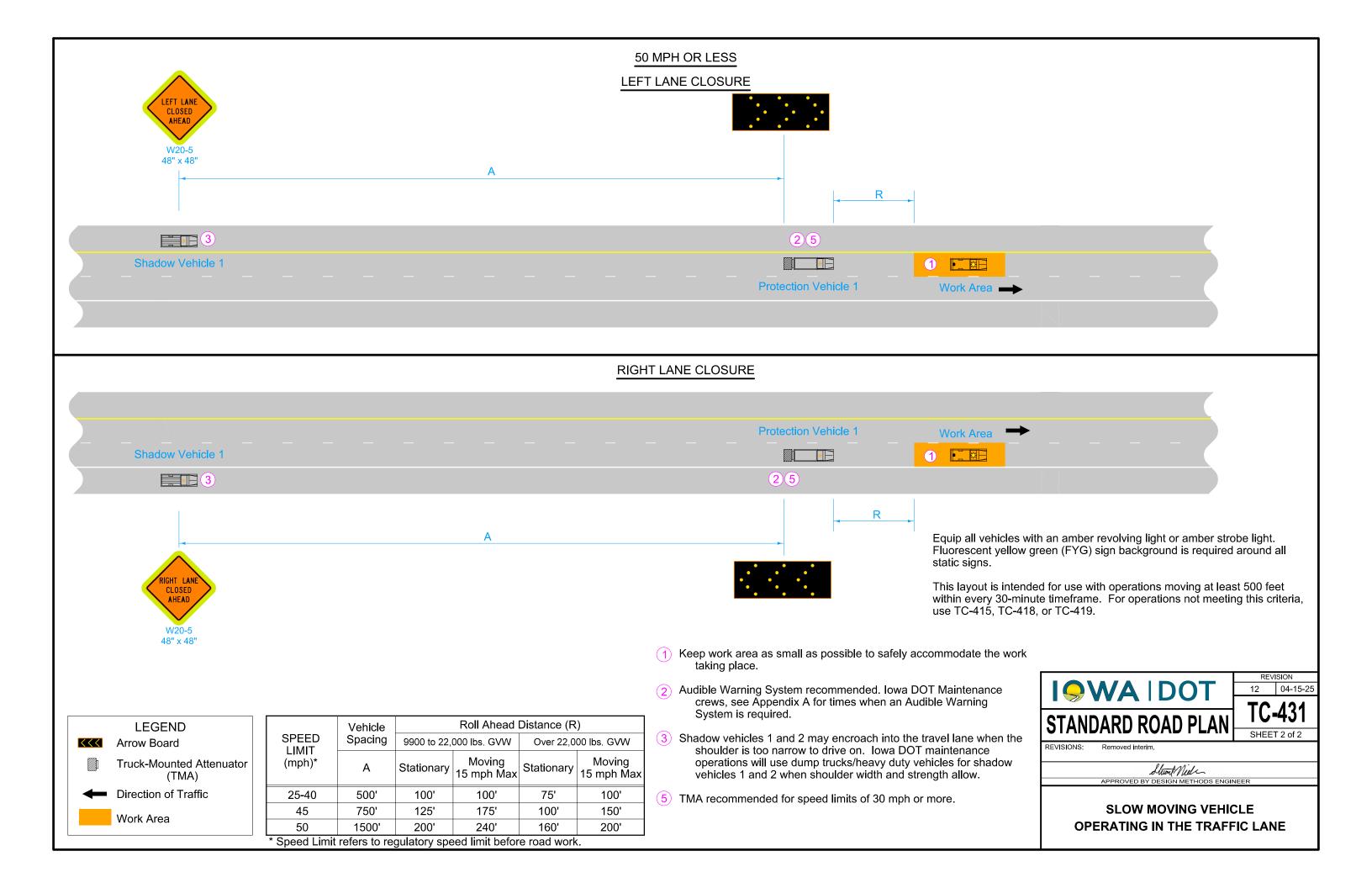
SPEED LIMIT (mph)*	А	С	D	E	М	Т
35 or less	250'	40'	35'	0'-200'	245'	50'
40	500'	80'	40'	0'-300'	320'	50'
45	700'	80'	45'	0'-400'	630'	100'
50	700'	80'	45'	400'	630'	100'
55 - 60	1000'	100'	55'	600'	770'	100'

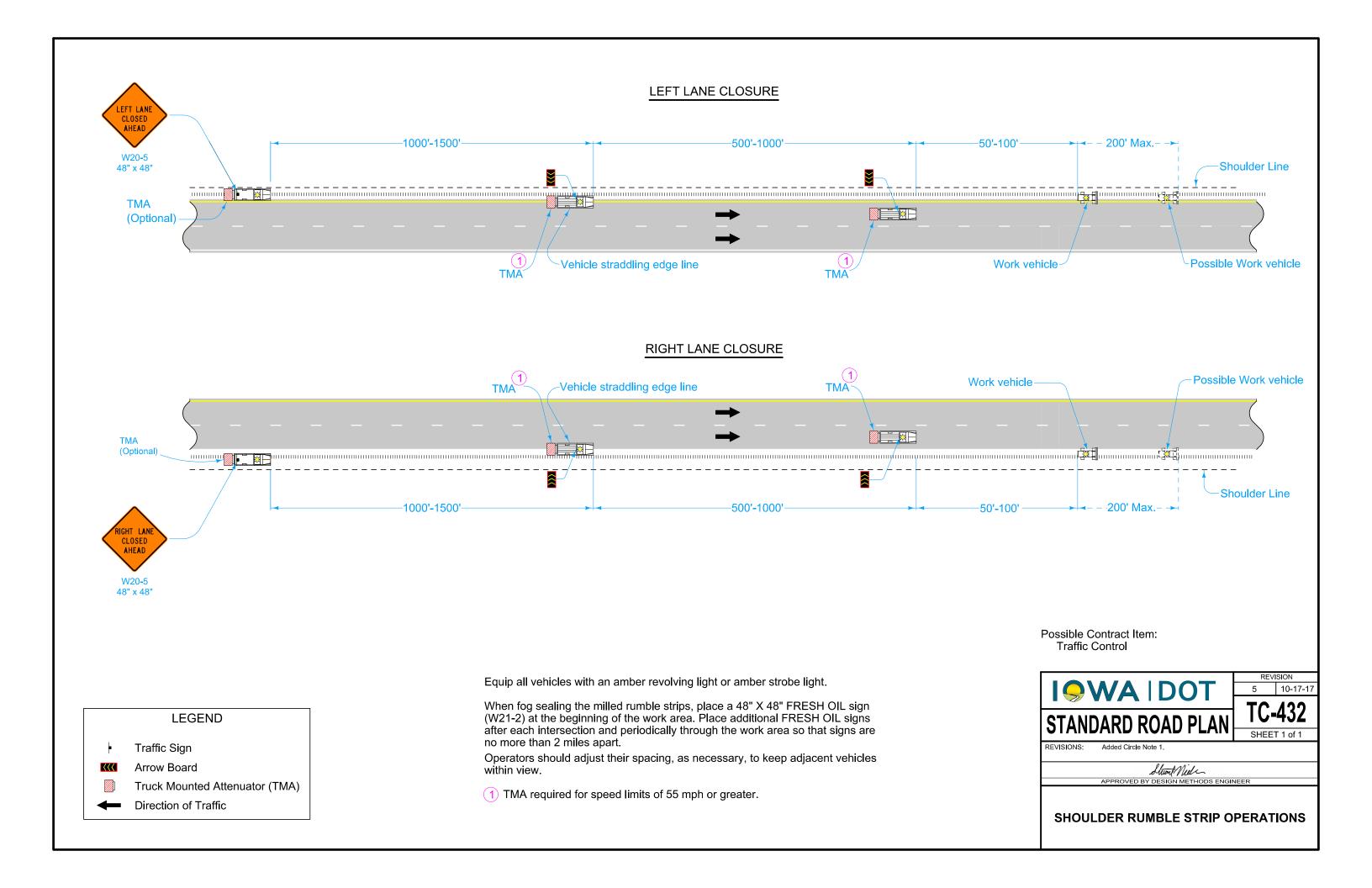
^{*} Speed Limit refers to regulatory speed limit before road work.

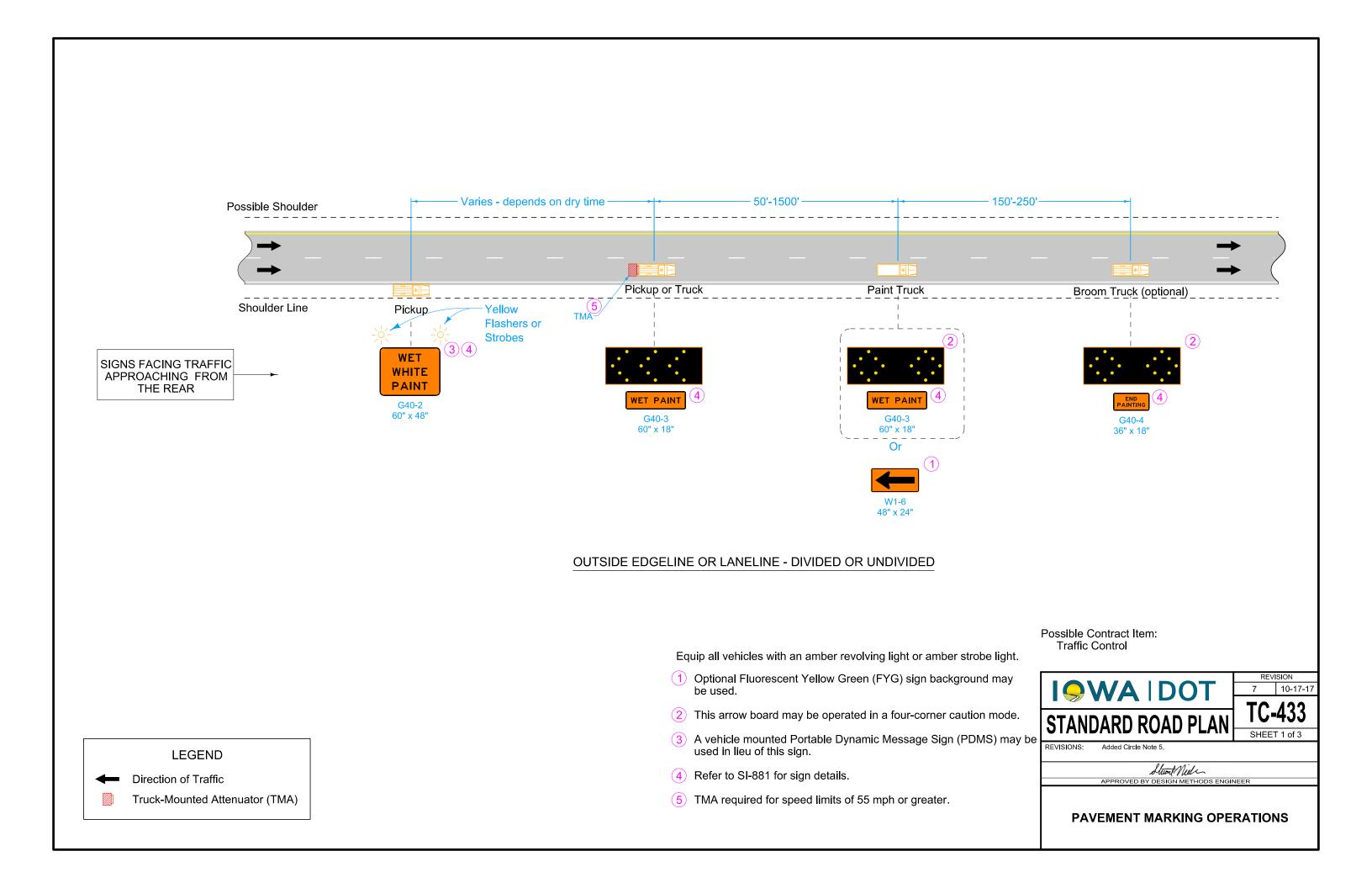
Possible Contract Item: Traffic Control

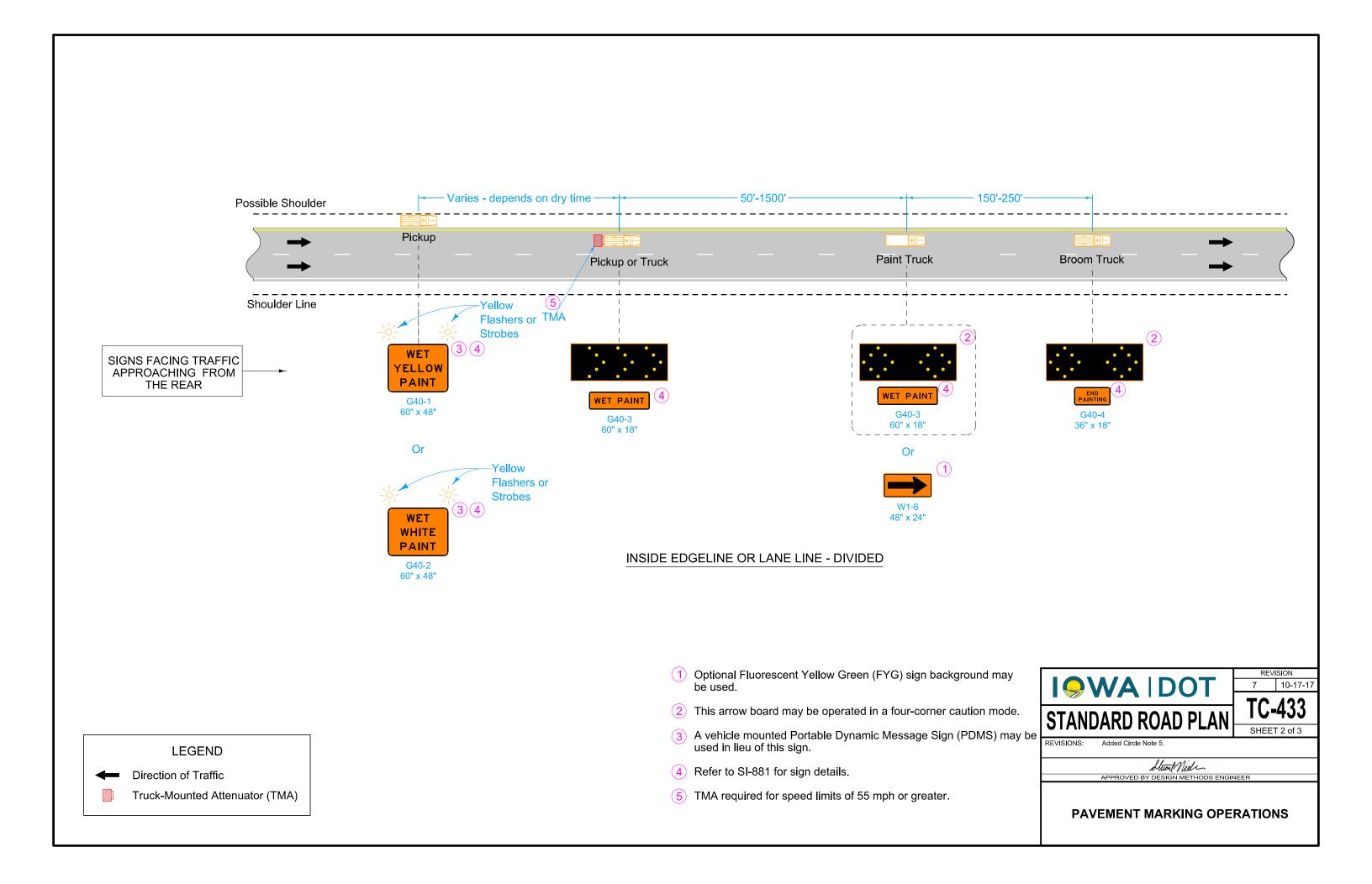


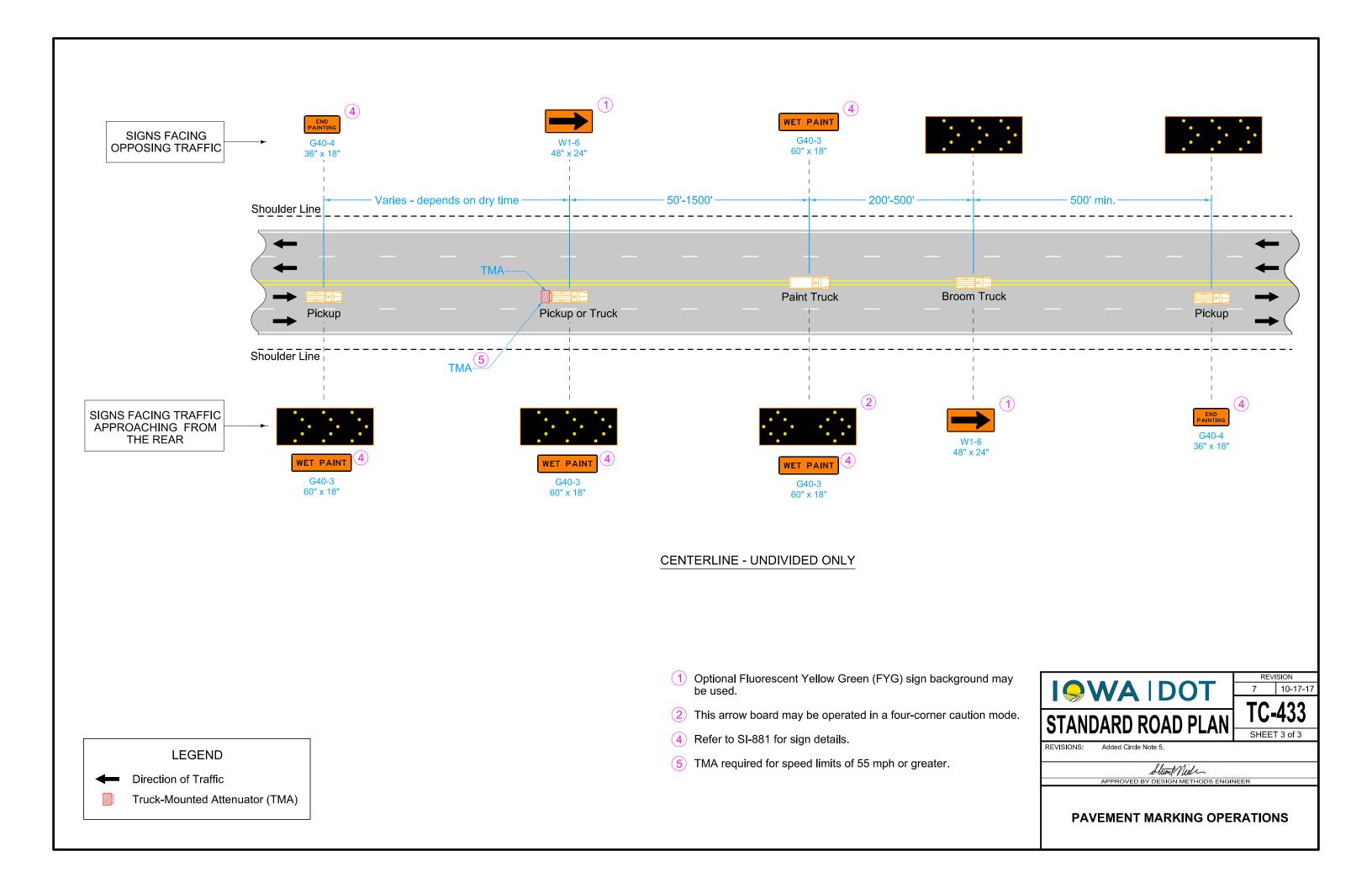


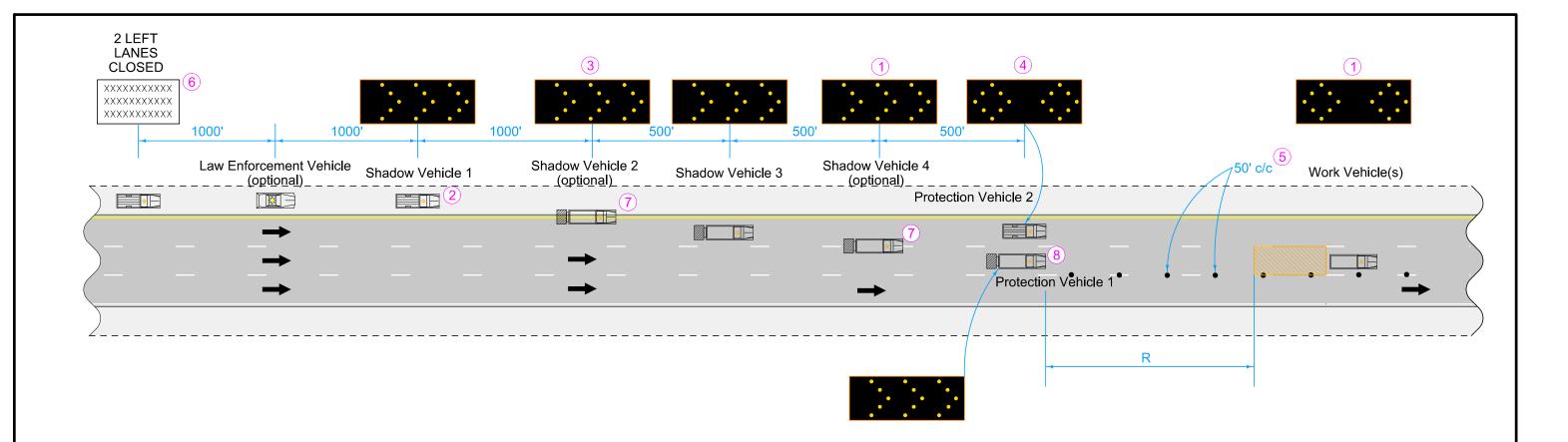






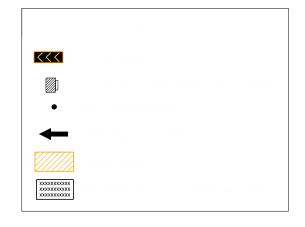






SPEED LIMIT (mph)*	Roll Ahead Distance (R)					
	9900 to 22,000 lbs. GVW		Over 22,000 lbs. GVW			
	Stationary	Moving 15 mph Max	Stationary	Moving 15 mph Max		
50 or greater	200'	240'	160'	200'		

^{*} Speed Limit refers to regulatory speed limit before road work.



For lane closures longer than one hour at a location, use TC-422.

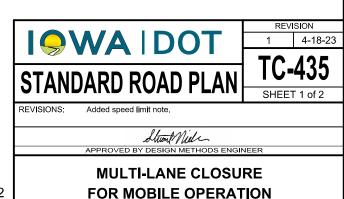
On roadways with 3 lanes in each direction, close the left lane and the center lane to avoid conflicts with right side ramps. Lane closure pairings should be adjusted to fit site conditions.

On roadways with four lanes in each direction, close the left and left center lanes together and the right and right center lanes

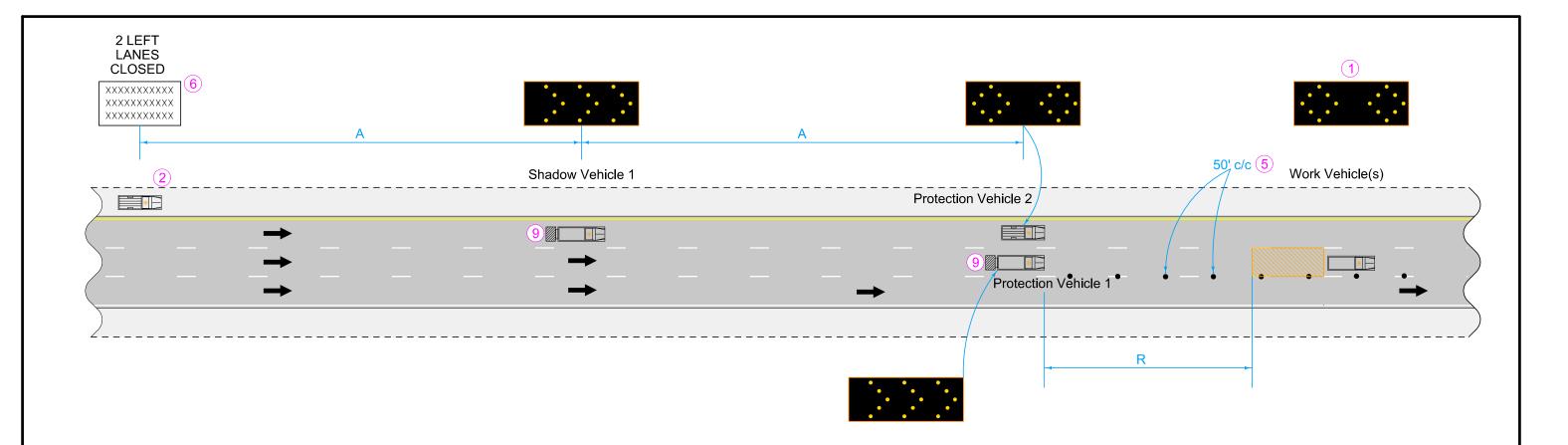
Consider ramps closures when closing lanes adjacent to ramps.

- 1 Arrow boards are optional
- 2 Shadow vehicle 1 may be omitted when the shoulder is too narrow to Possible Contract Item:
- (3) Arrow board optional unless shadow vehicle 1 is omitted
- 4 Arrow board optional unless shadow vehicle 4 is omitted
- (5) Channelizing devices may be omitted for stops not exceeding 15 minutes
- 6 Truck-mounted or mini PDMS may be used in lieu of a full-sized
- 7 Audible warning system recommended
- 8 Audible warning system recommended if optional shadow vehicles 2 and 4 are omitted

Traffic Control

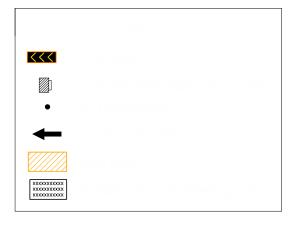


FOR MOBILE OPERATION 50 mph or greater



SPEED LIMIT (mph)*	Vehicle Spacing	Roll Ahead Distance (R)				
		9900 to 22,000 lbs. GVW		Over 22,000 lbs. GVW		
	Α	Stationary	Moving 15 mph Max	Stationary	Moving 15 mph Max	
25-40	250'	100'	100'	75'	100'	
45	500'	125'	175'	100'	150'	

^{*} Speed Limit refers to regulatory speed limit before road work.



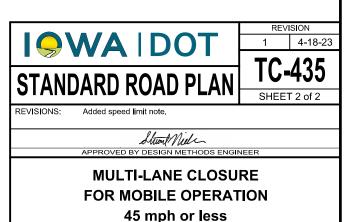
For lane closures longer than one hour at a location, use TC-422.

On roadways with 3 lanes in each direction, close the left lane and the center lane to avoid conflicts with right side ramps. Lane closure pairings should be adjusted to fit site conditions.

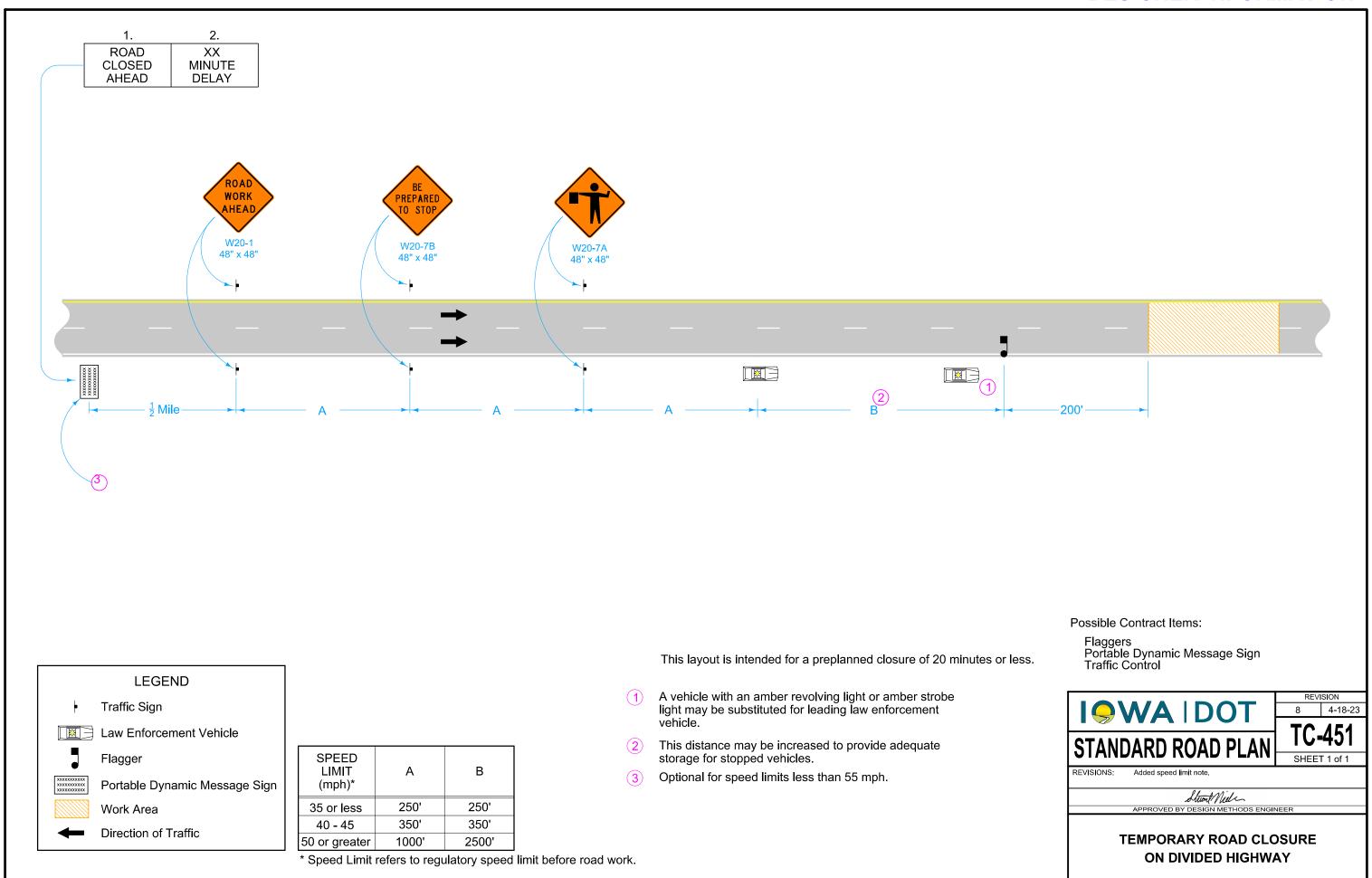
On roadways with four lanes in each direction, close the left and left center lanes together and the right and right center lanes together.

- 1 Arrow boards are optional
- Shadow vehicle 1 may be omitted when the shoulder is too narrow to drive on
- (5) Channelizing devices may be omitted for stops not exceeding 15 minutes
- 6 Truck-mounted or mini PDMS may be used in lieu of a full-sized PDMS
- 9 TMA are optional for speeds of 30 mph or less

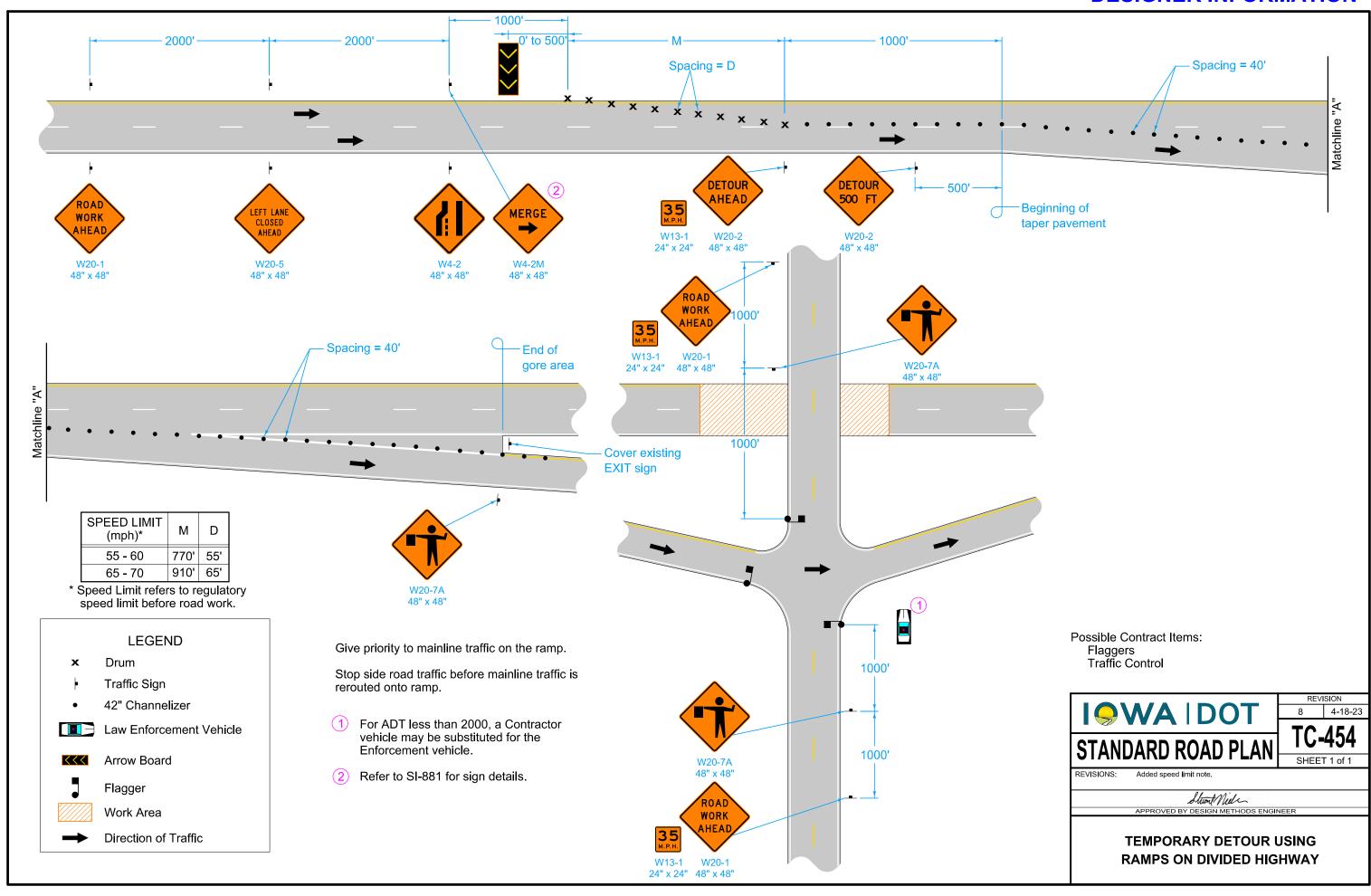
Possible Contract Item: Traffic Control

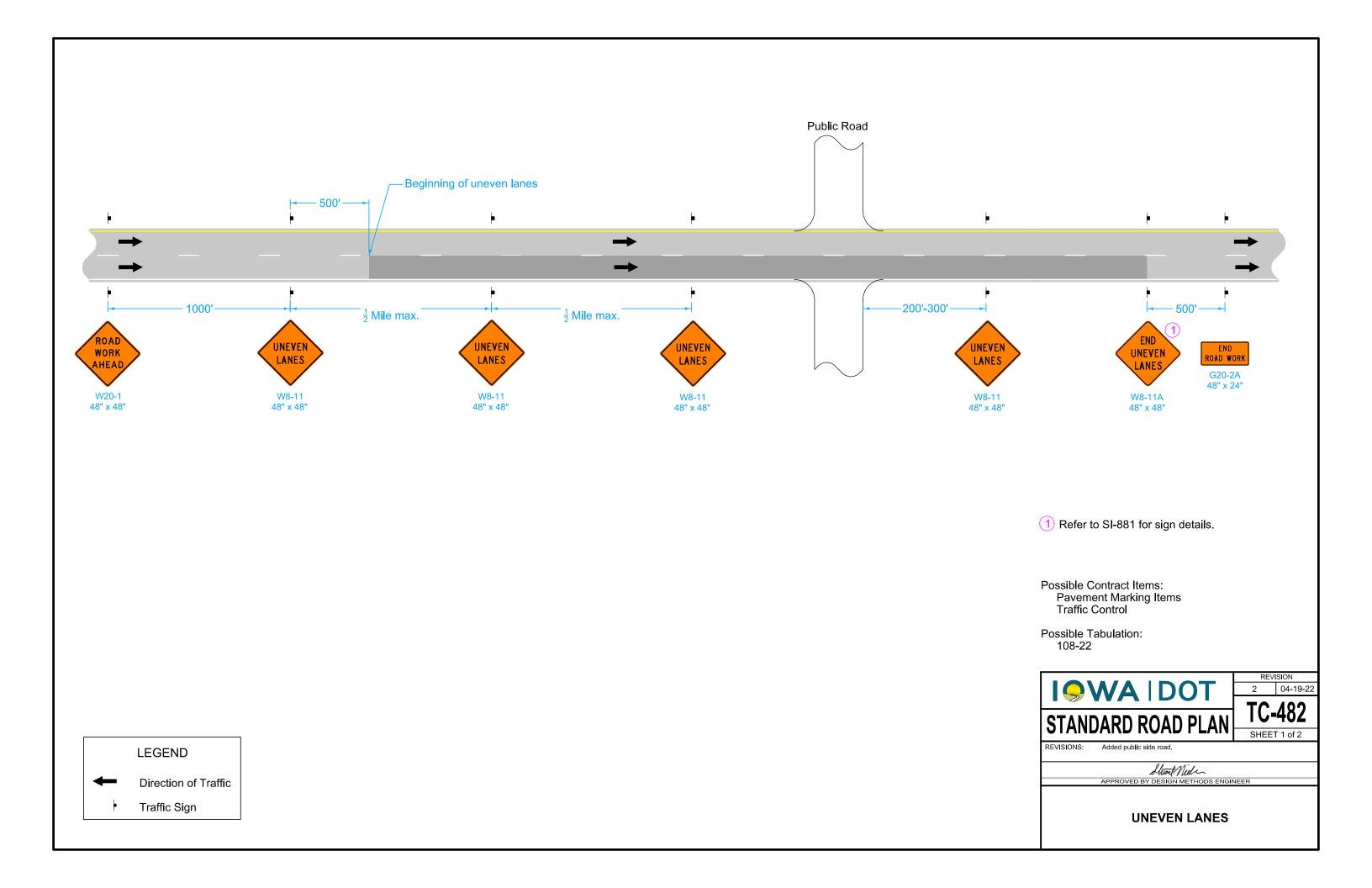


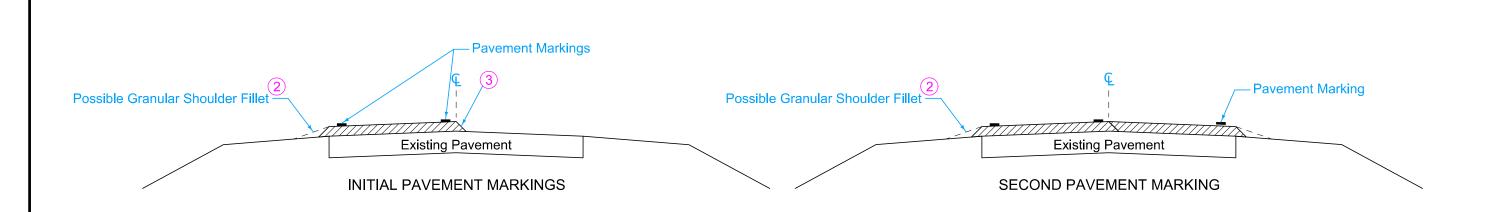
DESIGNER INFORMATION

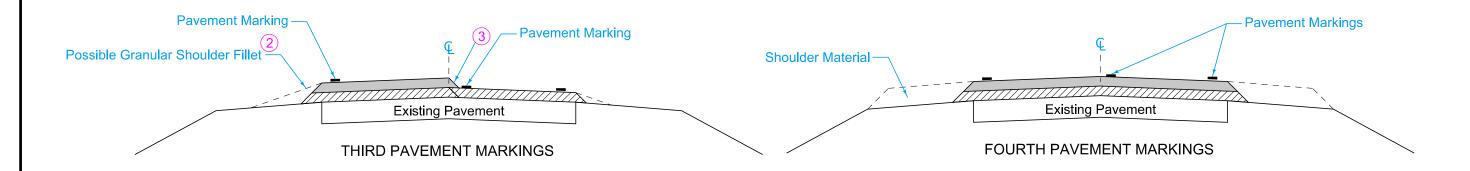


DESIGNER INFORMATION



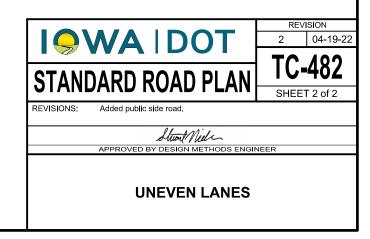






PAVEMENT MARKING SEQUENCE

- 2 Shoulder Fillet: Refer to Section 1107 of the Standard Specifications and Safety Edge specifications.
- 3 Centerline fillet may be notched wedge, Safety Edge, or a temporary 3:1 HMA fillet.

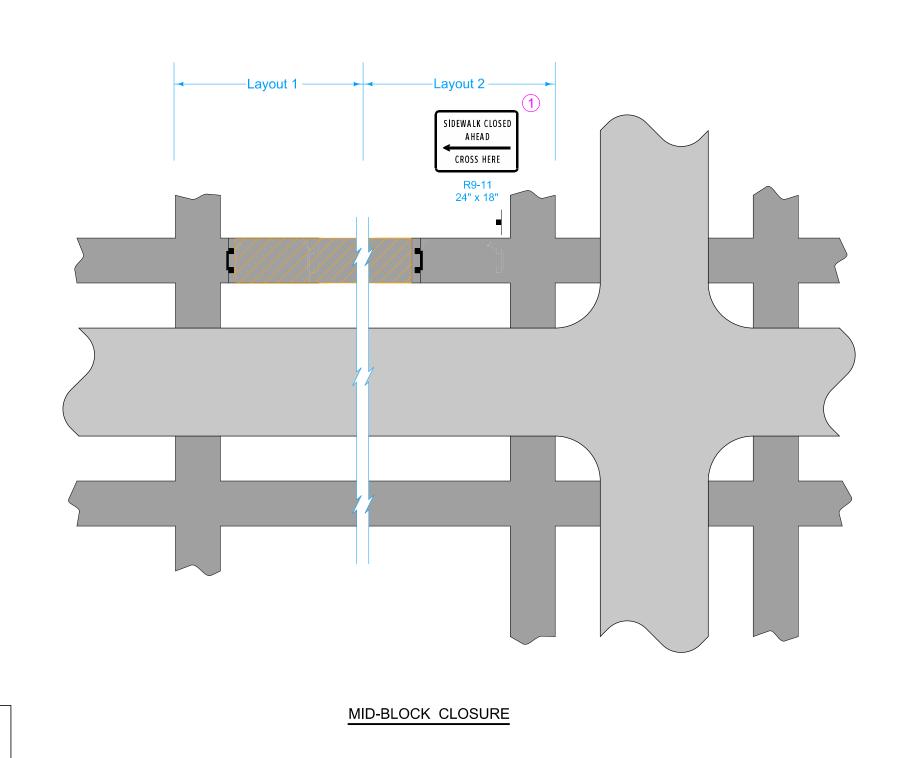




Surface Course



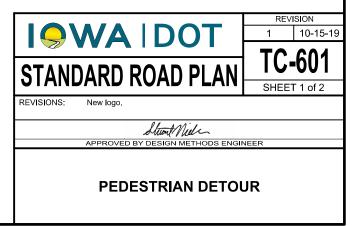
Intermediate Course



1 Omit "SIDEWALK CLOSED AHEAD CROSS HERE" (R9-11) sign when closure is at sidewalk intersection as shown in layout 1.

Possible Contract Item: Traffic Control

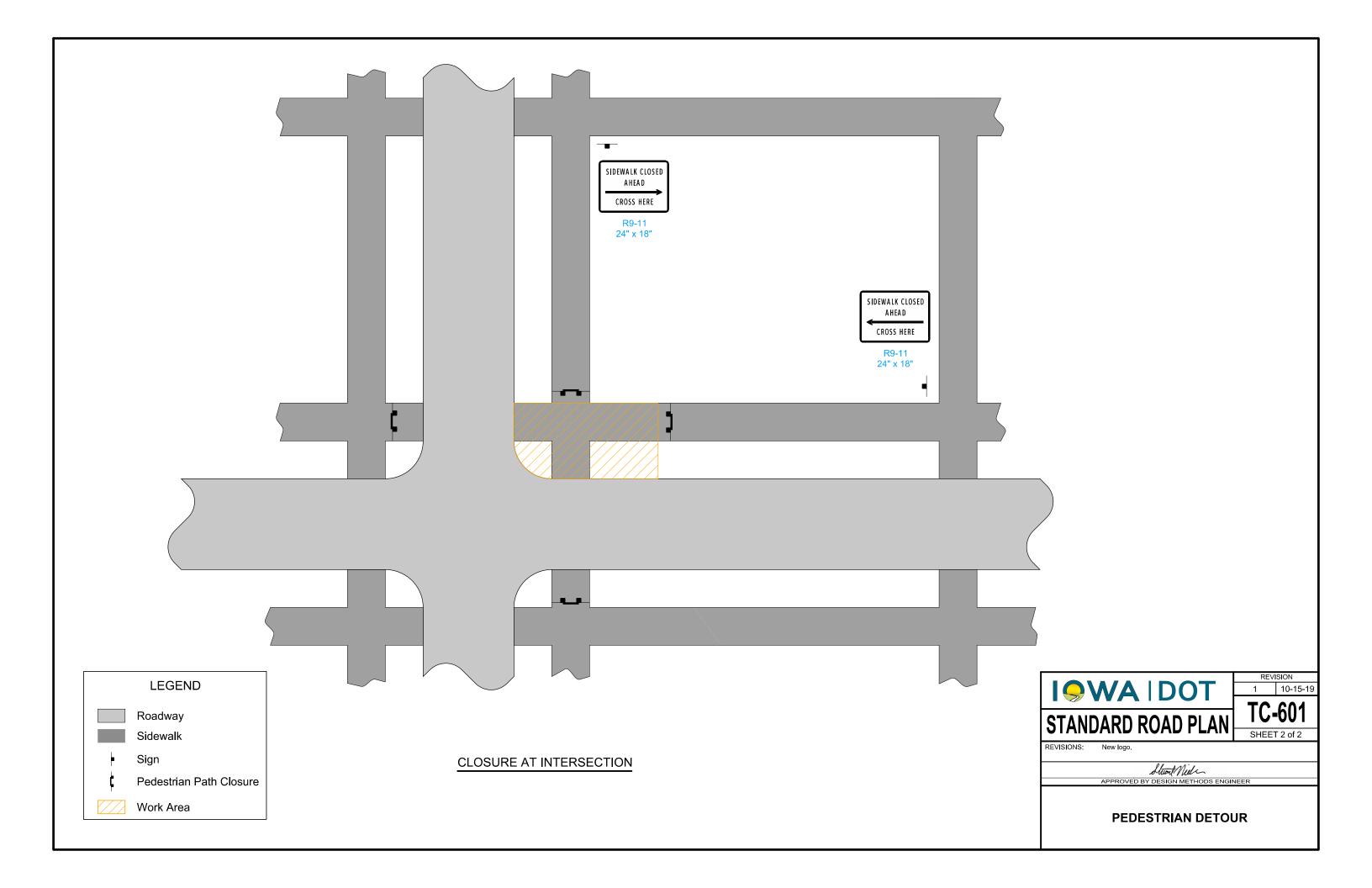
Possible Tabulation: 113-2

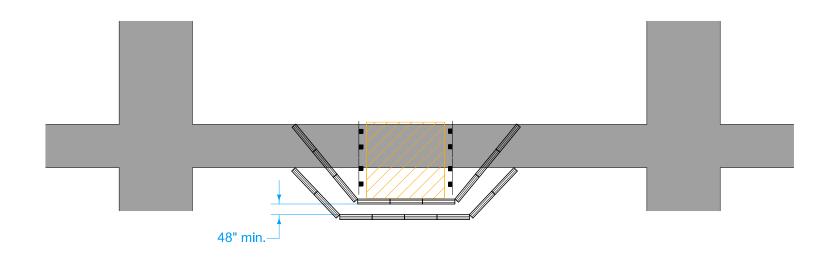


LEGEND

Roadway
Sidewalk
Sign
Pedestrian Path Closure

Work Area





Acceptable materials and construction method for Pedestrian Channelizer will be defined in the contract documents. When Temporary Barrier Rail is specified as the Pedestrian Channelizer, Section 2528 of the Standard Specifications applies. For other types of Pedestrian Channelizers, the length of Pedestrian Channelizer installed will be measured in feet. Payment will be at the contract price per linear foot.

Possible Contract Items:
Pedestrian Channelizer
Temporary Barrier Rail
Maintenance of Pedestrian Traffic

Possible Tabulation: 113-3

