

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.







IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

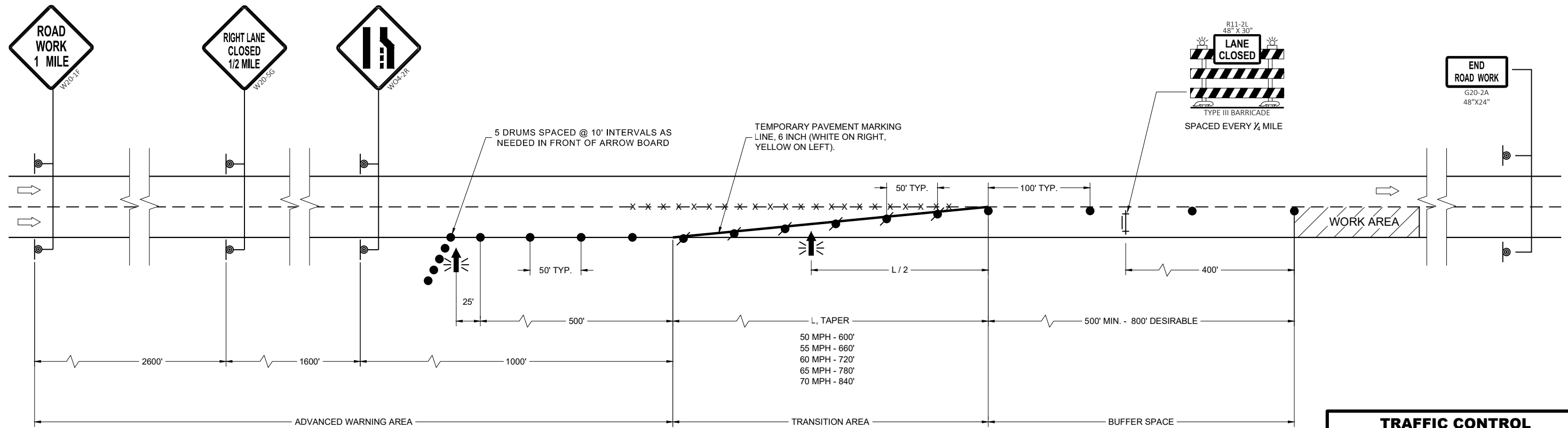
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  REMOVING PAVEMENT MARKINGS
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLASHING ARROW BOARD

6

SDD 15D12-12a



6

SDD 15D12-12a

TRAFFIC CONTROL LANE CLOSURE	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED September 2023 DATE	/s/ Andrew Heidtke ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

GENERAL NOTES

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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

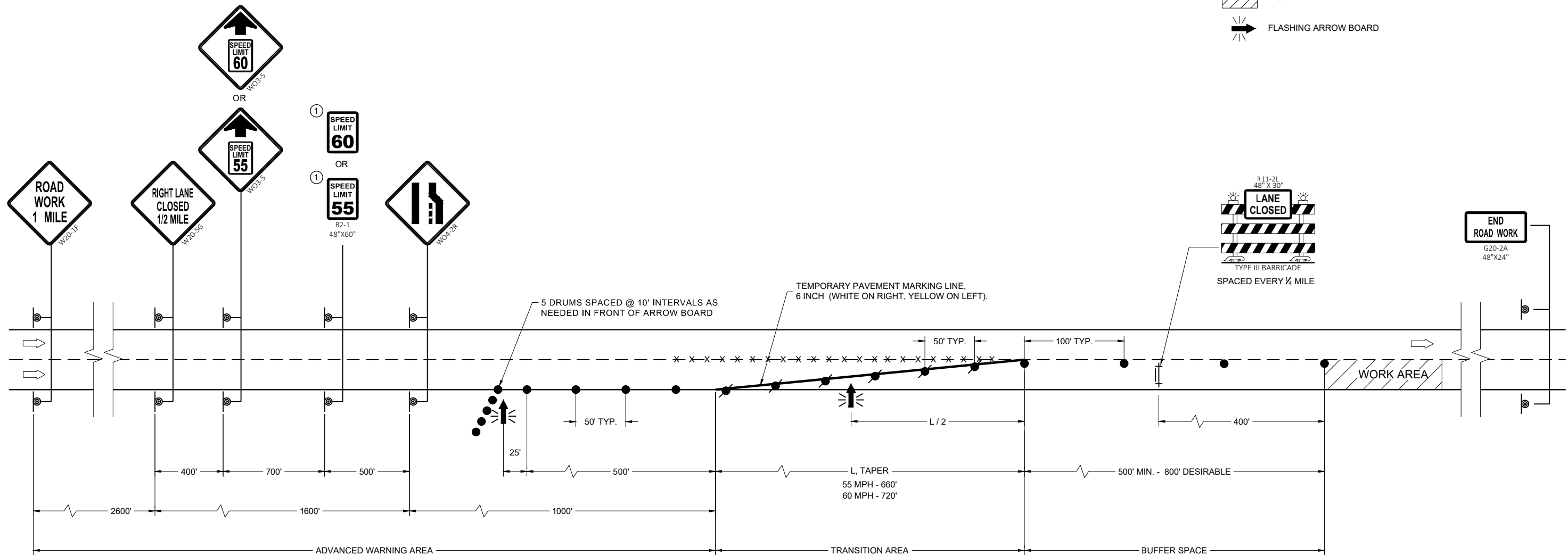
① A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- ⊙ SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- ⊥ TYPE III BARRICADE WITH ATTACHED SIGN
- ⚡ TYPE "A" WARNING LIGHT (FLASHING)
- * * * REMOVING PAVEMENT MARKINGS
- ➡ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ➡ FLASHING ARROW BOARD

6

SDD 15D12-12b



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SDD 15D12-12b

TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED September 2023 DATE	/s/ Andrew Heidtke ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA	

LEGEND

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- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- PORTABLE TRAFFIC SENSOR (PTS)
- FLASHING BEACON SIGNS

STOPPED OR SLOW TRAFFIC WHEN FLASHING

W08-76
96" x 48"

GENERAL NOTES

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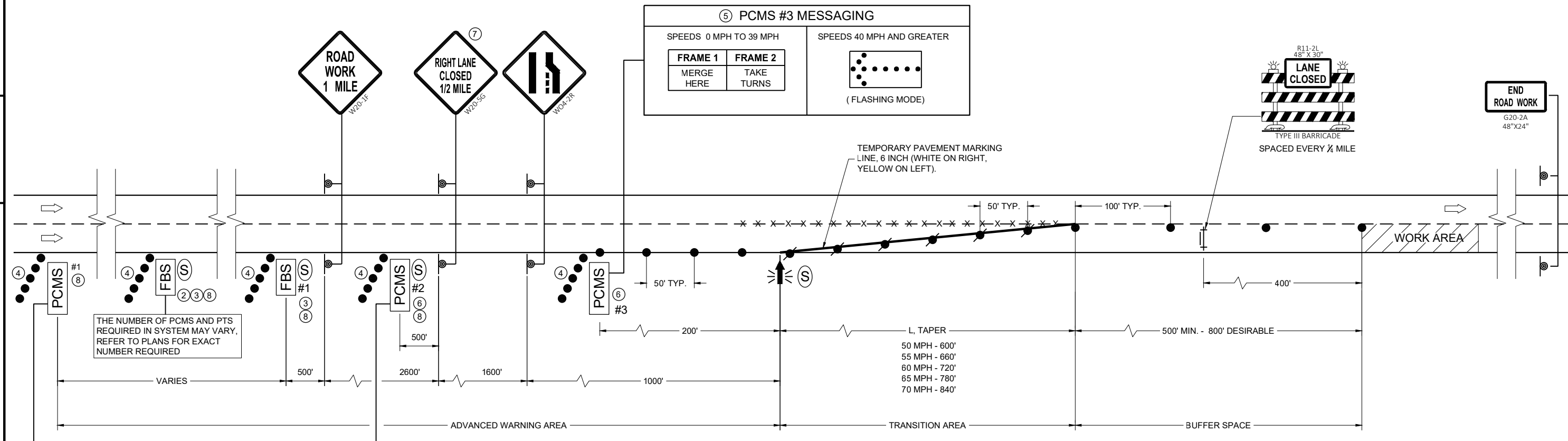
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON PCMS, FBS, ARROW BOARD OR OTHER TRAILER DEVICES.

- ① IF THERE ARE MORE THAN TWO LANES, CHANGE FRAME 2 OF THE PCMS TO STATE "USE ALL LANES".
- ② PLACE FLASHING BEACON SIGNS EVERY ONE MILE BETWEEN PCMS #1 AND FBS #1. THE NUMBER OF FBS MAY BE MORE THAN SHOWN ON THIS DETAIL.
- ③ FOR THREE LANE CONFIGURATION, PLACE FBS ON BOTH SIDES OF ROADWAY. CHANGE PCMS #1 FRAME 2 MESSAGE TO "USE ALL LANES".
- ④ 5 DRUMS SPACED @ 10' INTERVALS AS NEEDED.
- ⑤ PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE OR FLASHING ARROW MERGE MODE.
- ⑥ TO MINIMIZE OBSTRUCTION OF THE ARROW BOARD BY THE PCMS, OFFSET THE PCMS AS NEEDED FROM THE EDGE LINE
- ⑦ IF THERE IS AN APPROVED TEMPORARY SPEED DECLARATION, ADD WO-3-5 SIGNS 400 FEET AFTER THE W20-5G SIGNS AND ADD R2-1 SIGNS (48"x60") 700 FEET AFTER THE WO3-5 SIGNS. A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A "RESUME SPEED LIMIT" SIGN 200 FEET MINIMUM (800 FEET DESIRABLE) BEYOND THE G30-3A "END ROAD WORK" SIGN.
- ⑧ IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE PCMS AND FBS ON THE SAME SIDE OF THE ROADWAY.

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⑤ PCMS #3 MESSAGING

SPEEDS 0 MPH TO 39 MPH		SPEEDS 40 MPH AND GREATER	
FRAME 1	FRAME 2	 (FLASHING MODE)	
MERGE HERE	TAKE TURNS		

③⑤① PCMS #1 MESSAGING

SPEEDS 0 MPH TO 39 MPH		SPEEDS 40 MPH AND GREATER	
FRAME 1	FRAME 2	 (FLASHING CAUTION MODE)	
STOPPED TRAFFIC AHEAD	USE BOTH LANES		

⑤ PCMS #2 MESSAGING

SPEEDS 0 MPH TO 39 MPH		SPEEDS 40 MPH AND GREATER	
FRAME 1	FRAME 2	 (FLASHING CAUTION MODE)	
STAY IN LANE	DO NOT MERGE		

TRAFFIC CONTROL, DYNAMIC LANE MERGE SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION




APPROVED
September 2023 DATE /S/ Erin Schwark
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

SDD 15D12-12C

SDD 15D12-12C

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  REMOVING PAVEMENT MARKINGS
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLASHING ARROW BOARD
-  PORTABLE TRAFFIC SENSOR (PTS)
-  FLASHING BEACON SIGN

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FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS. WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

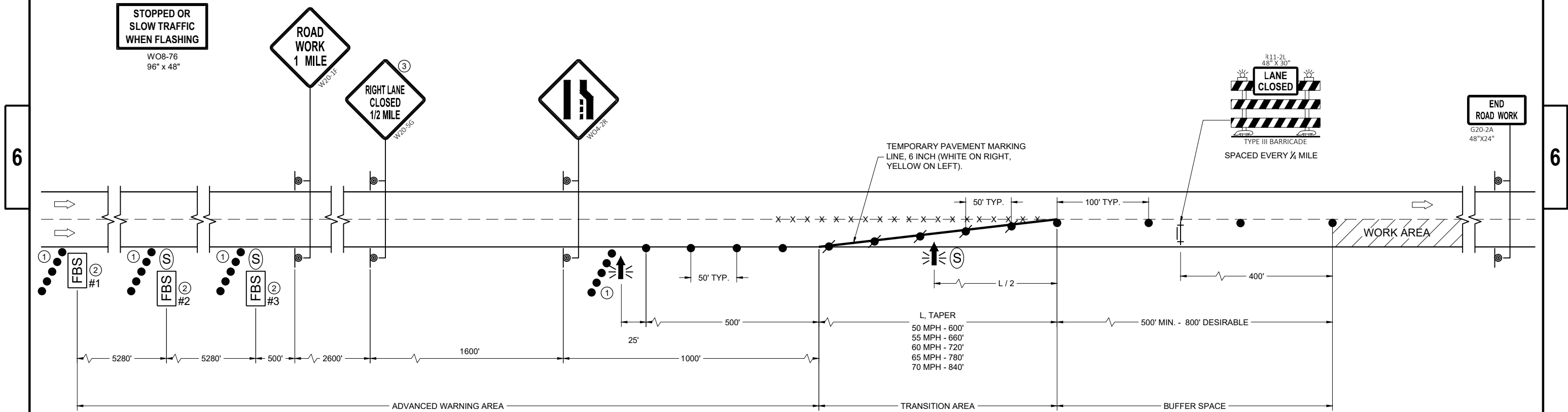
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CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

PORTABLE TRAFFIC SENSOR (PTS) MAY BE MOUNTED ON THE FBS, ARROW BOARD OR OTHER TRAILER DEVICES.

- ① 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.
- ② IF THERE ARE MORE THAN TWO LANES OR IF SPECIFIED IN THE PLANS, PLACE FBS ON BOTH SIDES OF THE ROADWAY.
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SDD 15D12-12d

SDD 15D12-12d










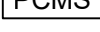

TRAFFIC CONTROL, LANE CLOSURE, BASIC TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED _____
 September 2023 DATE /S/ Erin Schwark
 ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  REMOVING PAVEMENT MARKINGS
-  DIRECTION OF TRAFFIC
-  WORK AREA
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-  PORTABLE TRAFFIC SENSOR (PTS)

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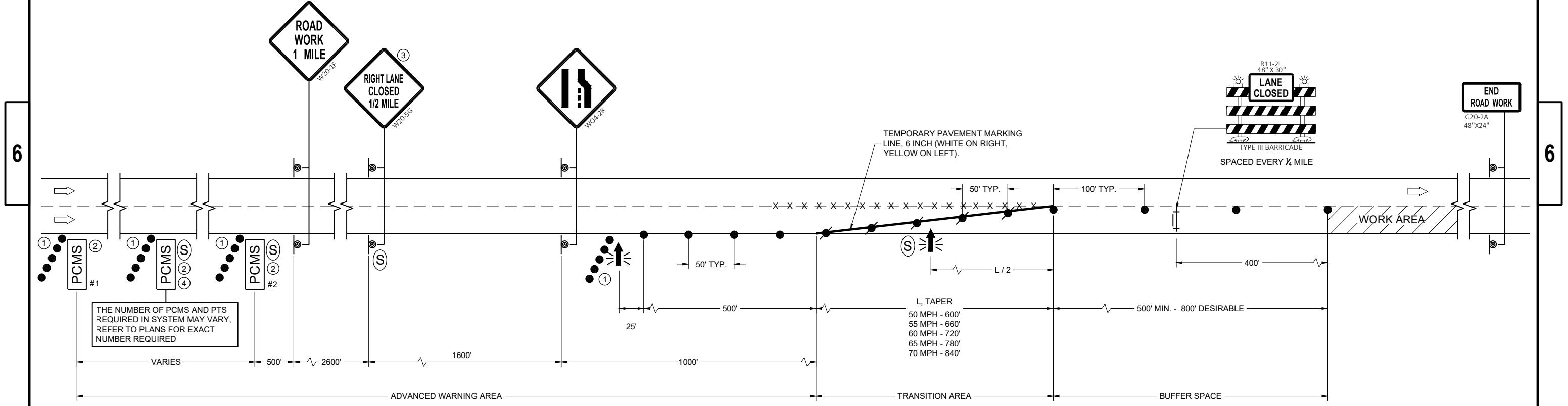
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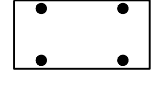
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 - ④ PLACE PCMS EVERY ONE MILE BETWEEN PCMS #1 AND PCMS #2, OR AS THE ENGINEER DIRECTS. THE NUMBER OF PCMS MAY BE MORE THAN SHOWN ON THIS DETAIL.
 - ⑤ PCMS SHALL FOLLOW ARROW BOARD STANDARDS WHEN DISPLAYING FLASHING FOUR CORNER CAUTION MODE OR FLASHING ARROW MERGE MODE.



THE NUMBER OF PCMS AND PTS REQUIRED IN SYSTEM MAY VARY, REFER TO PLANS FOR EXACT NUMBER REQUIRED

TEMPORARY PAVEMENT MARKING LINE, 6 INCH (WHITE ON RIGHT, YELLOW ON LEFT).

L, TAPER
 50 MPH - 600'
 55 MPH - 660'
 60 MPH - 720'
 65 MPH - 780'
 70 MPH - 840'

⑤ PCMS MESSAGING					
SPEEDS 0 MPH TO 19 MPH		SPEEDS 20 MPH TO 39 MPH		SPEEDS 40 MPH AND GREATER	
FRAME 1	FRAME 2	FRAME 1	FRAME 2	(FLASHING CAUTION MODE)	
STOPPED TRAFFIC AHEAD	EXPECT DELAYS	SLOW TRAFFIC AHEAD	PREPARE TO STOP		

TRAFFIC CONTROL, LANE CLOSURE, TRAFFIC QUEUE WARNING SYSTEM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION











APPROVED
September 2023 DATE /S/ Erin Schwark
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

SDD 15D12-12e

SDD 15D12-12e

LEGEND

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-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
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-  REMOVING PAVEMENT MARKINGS
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLASHING ARROW BOARD
-  PORTABLE TRAFFIC SENSOR (PTS)
-  TEMPORARY RUMBLE STRIPS (VARIABLE SPACING)

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ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

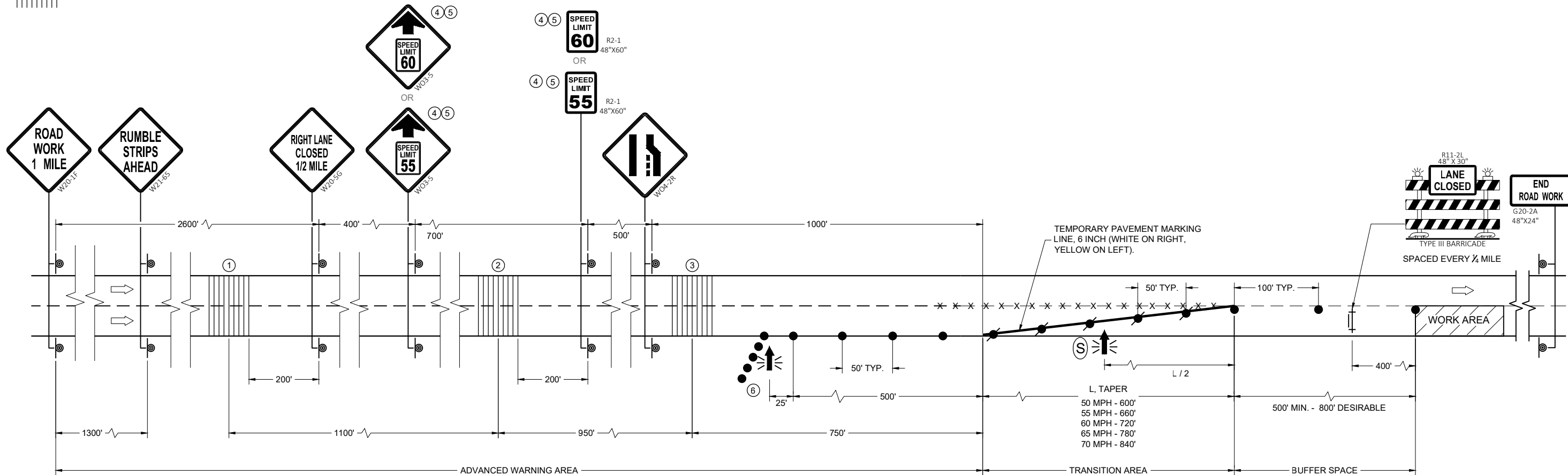
CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

USE THIS DETAIL FOR PLACEMENT OF TEMPORARY RUMBLE STRIPS AND W21-65 SIGNS. SEE APPROPRIATE LANE CLOSURE SDD FOR DETAILS OF OTHER TRAFFIC CONTROL DEVICES AND SIGNS.

- ① NINE RUMBLE STRIPS WITH 10 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP.
- ② NINE RUMBLE STRIPS WITH 5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP.
- ③ NINE RUMBLE STRIPS WITH 1.5 FOOT SPACING BETWEEN EACH INDIVIDUAL STRIP.
- ④ COVER OR REMOVE PER APPROVED TEMPORARY SPEED DECLARATION.
- ⑤ IF NO APPROVED SPEED DECLARATION, OMIT SIGNS.
- ⑥ 5 DRUMS SPACED AT 10 FOOT INTERVALS AS NEEDED.

6

6



TRAFFIC CONTROL, LANE CLOSURE, WITH TEMPORARY RUMBLE STRIPS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED September 2023 DATE	/s/ Andrew Heidtke ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

SDD 15D12-12f

SDD 15D12-12f

*Traffic Control, Lane Closure***Reference:**

Part VI from the Wisconsin Manual on Uniform Traffic Control Devices
[FDM 11-50-20](#)

Bid items associated with this drawing:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
643.0300	Traffic Control Drums	DAY
643.0420	Traffic Control Barricades Type III	DAY
643.0715	Traffic Control Warning Lights Type C	DAY
643.0800	Traffic Control Arrow Boards	DAY
643.0900	Traffic Control Signs.....	DAY
643.1050	Traffic Control Signs PCMS.....	DAY
643.3200-3299	Temporary Marking Line (Material) 6-Inch	LF
643.3760	Temporary Marking Raised Pavement Marking Type I.....	EACH
646.1000-1099	Marking Line (Material) 4-Inch	LF
646.2000-2099	Marking Line (Material) 6-Inch	LF
646.9000	Marking Removal Line 4-Inch	LF
646.9060	Marking Removal Line 6-Inch	LF

Standard Special Provisions associated with this drawing:

<u>STSP NUMBER</u>	<u>TITLE</u>
NONE	

Other SDDs associated with this drawing:

SDD 15C2	Traffic Control, Advanced Width Restriction Signing
SDD 15C11	Traffic Control, Channelizing Devices – Drums, Cones, Barricades and Vertical Panels
SDD 15D5	Traffic Control, Single Lane Crossover Entrance with Barrier
SDD 15D11	Traffic Control, Single Lane Crossover
SDD 15D21	Traffic Control, Intersection within Single Lane Closure

Design Notes:POSSIBLE TRANSITION AREA MODIFICATIONS:

Temporary Marking, Raised Pavement Markers can be used along with any temporary marking to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view of 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than seven (7) continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and at 50 foot spacing when they are used as a broken lane line.

Cover existing and permanent signs to prevent conflicts with detours or other traffic operations.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail. Additional advance warning signs (beyond 1 mile in advance) should be shown on the overview sheet, if necessary.

Contact Person:

Andrew Heidtke (414) 220-6802

*Traffic Control, Lane Closure, Speed Reduction***Reference:**

Part VI from the Wisconsin Manual on Uniform Traffic Control Devices

[FDM 11-50-20](#)

[TeOps 13-5-6](#)

Bid items associated with this drawing:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
Bid items associated with this drawing in addition to those shown on sheet a:		
NONE (see sheet a)		

Standard Special Provisions associated with this drawing:

<u>STSP NUMBER</u>	<u>TITLE</u>
NONE	

Other SDDs associated with this drawing:

SDD 15C2	Traffic Control, Advanced Width Restriction Signing
SDD 15C11	Traffic Control, Channelizing Devices – Drums, Cones, Barricades and Vertical Panels
SDD 15D5	Traffic Control, Single Lane Crossover Entrance with Barrier
SDD 15D11	Traffic Control, Single Lane Crossover
SDD 15D21	Traffic Control, Intersection within Single Lane Closure

Design Notes:POSSIBLE ADVANCE WARNING AREA MODIFICATIONS:

Refer to the Traffic Engineering, Operations and Safety Manual [TeOps 13-5-6](#) for additional speed reduction guidance.

POSSIBLE TRANSITION AREA MODIFICATIONS:

Temporary Marking, Raised Pavement Markers can be used along with any temporary marking to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view of 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than seven (7) continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and at 50 foot spacing when they are used as a broken lane line.

Cover existing and permanent signs to prevent conflicts with detours or other traffic operations.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail. Additional advance warning signs (beyond 1 mile in advance) should be shown on the overview sheet, if necessary.

Include Temporary Regulatory Speed Limit Reduction Standardized Special Provision (STSP).

Miscellaneous quantities should include items and quantities for the additional signing for temporary regulatory speed zone modification as needed. Double mark signs to enhance visibility, i.e. inside and outside shoulder. Indicate location of temporary regulatory speed limit; beyond entrance ramp acceleration lanes, and other locations within the project limits where traffic is allowed to enter .

Contact Person:

Andrew Heidtke (414) 220-6802

Traffic Control, Lane Closure, Dynamic Late Merge System 2 Lane

Reference:

Part VI from the Wisconsin Manual on Uniform Traffic Control Devices
FDM 11-50-20
TeOps 13-5-6

Bid items associated with this drawing:

Table with 3 columns: ITEM NUMBER, DESCRIPTION, UNIT. Row 1: Bid items associated with this drawing in addition to those shown on sheet a: NONE (see sheet a)

Standard Special Provisions associated with this drawing:

Table with 2 columns: STSP NUMBER, TITLE. Row 1: 643.1100.S, Dynamic Late Merge System DAY

Other SDDs associated with this drawing:

- SDD 15C2 Traffic Control, Advanced Width Restriction Signing
SDD 15C11 Traffic Control, Channelizing Devices – Drums, Cones, Barricades and Vertical Panels
SDD 15D5 Traffic Control, Single Lane Crossover Entrance with Barrier
SDD 15D11 Traffic Control, Single Lane Crossover
SDD 15D21 Traffic Control, Intersection within Single Lane Closure
SDD 15D40 Traffic Control, Lane Shift, Multi-Lane Divided or One-Way Road
SDD 15D41 Traffic Control, Lane Shift, Multi-Lane Divided

Design Notes:

LEFT LANE WORK:

For work requiring a left lane closure, use the Dynamic Late Merge System detail to close the right lane of traffic, followed by the Traffic Control Lane Shift detail to shift traffic to the right lane, allowing the left lane to be closed. Do not reverse the traffic control on the Dynamic Late Merge System detail for use on a left lane closure.

POSSIBLE ADVANCE WARNING AREA MODIFICATIONS:

Refer to the Traffic Engineering, Operations and Safety Manual TeOps 13-5-6 for additional speed reduction guidance.

POSSIBLE TRANSITION AREA MODIFICATIONS:

Temporary Marking, Raised Pavement Markers can be used along with any temporary marking to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than seven (7) continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and at 50 foot spacing when they are used as a broken lane line.

Cover existing and permanent signs to prevent conflicts with detours or other traffic operations.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail.

Miscellaneous quantities should include items and quantities for the additional signing for temporary regulatory speed zone modification as needed. Double mark signs to enhance visibility, i.e. inside and outside shoulder. Indicate location of temporary regulatory speed limit; beyond entrance ramp acceleration lanes, and other locations within the project limits where traffic is allowed to enter .

Contact Person:

Erin Schwark (414)220-6803

Traffic Control, Lane Closure, Basic Traffic Queue Warning System

Reference:

Part VI from the Wisconsin Manual on Uniform Traffic Control Devices
FDM 11-50-20
TeOps 13-5-6

Bid items associated with this drawing:

Table with 3 columns: ITEM NUMBER, DESCRIPTION, UNIT. Content: Bid items associated with this drawing in addition to those shown on sheet a: NONE (see sheet a)

Standard Special Provisions associated with this drawing:

Table with 2 columns: STSP NUMBER, TITLE. Content: 643.1205.S Basic Traffic Queue Warning System DAY

Other SDDs associated with this drawing:

- SDD 15C2 Traffic Control, Advanced Width Restriction Signing
SDD 15C11 Traffic Control, Channelizing Devices – Drums, Cones, Barricades and Vertical Panels
SDD 15D5 Traffic Control, Single Lane Crossover Entrance with Barrier
SDD 15D11 Traffic Control, Single Lane Crossover
SDD 15D21 Traffic Control, Intersection within Single Lane Closure

Design Notes:

If truck percentages are greater than 20%, consider placing FBS on both sides of the roadway.

POSSIBLE ADVANCE WARNING AREA MODIFICATIONS:

Refer to the Traffic Engineering, Operations and Safety Manual TeOps 13-5-6 for additional speed reduction guidance.

POSSIBLE TRANSITION AREA MODIFICATIONS:

Temporary Marking, Raised Pavement Markers can be used along with any temporary marking to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than seven (7) continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and at 50 foot spacing when they are used as a broken lane line.

Cover existing and permanent signs to prevent conflicts with detours or other traffic operations.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail.

Miscellaneous quantities should include items and quantities for the additional signing for temporary regulatory speed zone modification as needed. Double mark signs to enhance visibility, i.e. inside and outside shoulder. Indicate location of temporary regulatory speed limit; beyond entrance ramp acceleration lanes, and other locations within the project limits where traffic is allowed to enter .

Contact Person:

Erin Schwark (414)220-6803

Traffic Control, Lane Closure, Traffic Queue Warning System

Reference:

Part VI from the Wisconsin Manual on Uniform Traffic Control Devices
FDM 11-50-20
TeOps 13-5-6

Bid items associated with this drawing:

Table with 3 columns: ITEM NUMBER, DESCRIPTION, UNIT. Row 1: Bid items associated with this drawing in addition to those shown on sheet a: NONE (see sheet a)

Standard Special Provisions associated with this drawing:

Table with 2 columns: STSP NUMBER, TITLE. Row 1: 643.1200.S, Portable Automated Real-Time Traffic Queue Warning System..... DAY

Other SDDs associated with this drawing:

- SDD 15C2 Traffic Control, Advanced Width Restriction Signing
SDD 15C11 Traffic Control, Channelizing Devices – Drums, Cones, Barricades and Vertical Panels
SDD 15D5 Traffic Control, Single Lane Crossover Entrance with Barrier
SDD 15D11 Traffic Control, Single Lane Crossover
SDD 15D21 Traffic Control, Intersection within Single Lane Closure

Design Notes:

POSSIBLE ADVANCE WARNING AREA MODIFICATIONS:

Refer to the Traffic Engineering, Operations and Safety Manual TeOps 13-5-6 for additional speed reduction guidance.

POSSIBLE TRANSITION AREA MODIFICATIONS:

Temporary Marking, Raised Pavement Markers can be used along with any temporary marking to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than seven (7) continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and at 50 foot spacing when they are used as a broken lane line.

Cover existing and permanent signs to prevent conflicts with detours or other traffic operations.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail.

Miscellaneous quantities should include items and quantities for the additional signing for temporary regulatory speed zone modification as needed. Double mark signs to enhance visibility, i.e. inside and outside shoulder. Indicate location of temporary regulatory speed limit; beyond entrance ramp acceleration lanes, and other locations within the project limits where traffic is allowed to enter

Contact Person:

Erin Schwark (414)220-6803

Traffic Control, Advance Warning Temporary Rumble Strip Placement

Reference:

Part VI from the Wisconsin Manual on Uniform Traffic Control Devices
FDM 11-50-20
TeOps 13-5-6

Bid items associated with this drawing:

Table with 3 columns: ITEM NUMBER, DESCRIPTION, UNIT. Row 1: NONE (see sheet a)

Standard Special Provisions associated with this drawing:

Table with 2 columns: STSP NUMBER, TITLE. Row 1: 643.0320.S, Temporary Rumble Strips (Orange)..... LF

Other SDDs associated with this drawing:

- SDD 15C2 Traffic Control, Advanced Width Restriction Signing
SDD 15C11 Traffic Control, Channelizing Devices – Drums, Cones, Barricades and Vertical Panels
SDD 15D5 Traffic Control, Single Lane Crossover Entrance with Barrier
SDD 15D11 Traffic Control, Single Lane Crossover
SDD 15D21 Traffic Control, Intersection within Single Lane Closure
SDD 15D40 Traffic Control, Lane Shift, Multi-Lane Divided or One-Way Road
SDD 15D41 Traffic Control, Lane Shift, Multi-Lane Divided

Design Notes:

POSSIBLE ADVANCE WARNING AREA MODIFICATIONS:

Refer to the Traffic Engineering, Operations and Safety Manual TeOps 13-5-6 for additional speed reduction guidance.

POSSIBLE TRANSITION AREA MODIFICATIONS:

Temporary Marking, Raised Pavement Markers can be used along with any temporary marking to aid in delineation. Raised markers shall be used when the geometry is such that it is impossible to locate the lane closure with a minimum clear view 1500 feet in front of lane closure drums. Raised markers should not be used if the lane closure is in place for less than seven (7) continuous days and nights. Consideration should also be given to the speed of the roadway and the traffic volumes. Raised markers shall be placed at 25 foot spacing when they are used as a solid lane line and at 50 foot spacing when they are used as a broken lane line.

Cover existing and permanent signs to prevent conflicts with detours or other traffic operations.

In lieu of covering signs, the contractor may choose to remove and reinstall them.

An overview detail specific to the project should be used in conjunction with this detail.

Miscellaneous quantities should include items and quantities for the additional signing for temporary regulatory speed zone modification as needed. Double mark signs to enhance visibility, i.e. inside and outside shoulder. Indicate location of temporary regulatory speed limit; beyond entrance ramp acceleration lanes, and other locations within the project limits where traffic is allowed to enter.

Contact Person:

Erin Schwark (414)220-6803