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## ORIGINATION FORM

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### Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: February 2, 2022  
Originator: James McGinnis  
Phone: 414-4952  
Email: James.McGinnis@dot.state.fl.us

**Standard Plans:**

Index Number: 102-613  
Sheet Number (s): 1 - 4 of 5  
Index Title:  
Multilane Roadway, Lane Closures

**Summary of the changes:**

Sheet 1: Added Shadow Vehicle and Attenuator to the detail; Added General Note 8 "Shadow Vehicle required..."; Added the Shadow Vehicle and Attenuator to the Symbols.

Sheet 2-4: Added Shadow Vehicle and Attenuator to the detail; Added the Shadow Vehicle and Attenuator to the Symbols.

**Commentary / Background:**

Shadow vehicles were added to the high-speed details for TMAs to be included in the TTCP. A new note was added for the Engineer to omit the TMA if it is not feasible to have one in the site specific work zone.

**Other Affected Offices / Documents:** (Provide name of person contacted)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Standard Plans –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Standard Plan Instruction (SPI)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised SPI
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

**Implementation:**

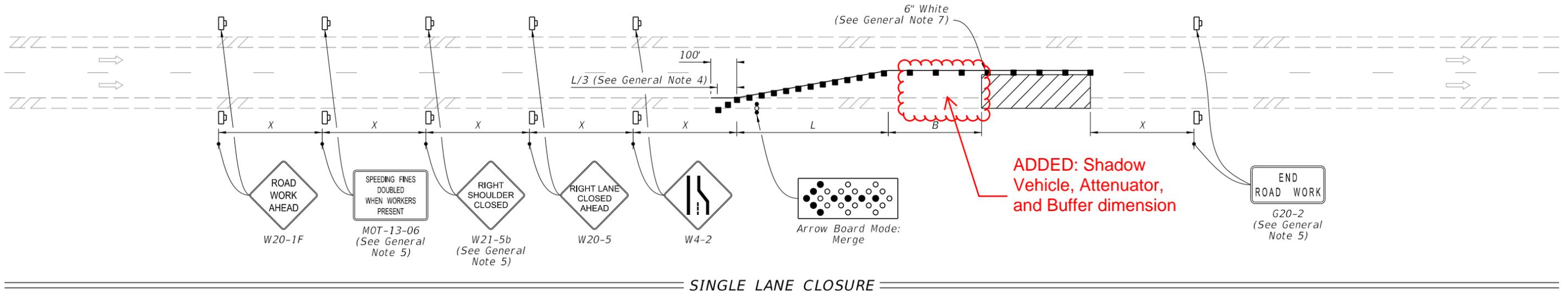
<input type="checkbox"/>	Design Bulletin (Interim)
<input type="checkbox"/>	DCE Memo
<input type="checkbox"/>	Program Mgmt. Bulletin
<input checked="" type="checkbox"/>	FY-Standard Plans (Next Release)

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Contact the Roadway Design Office for assistance in completing this form

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Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)



**SINGLE LANE CLOSURE**

**SYMBOLS:**

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

**ADDED: Shadow Vehicle and Attenuator**

**GENERAL NOTE:**

1.  $L$  = Taper Length  
 $B$  = Buffer Length  
 $X$  = Work Zone Sign Distance  
 See Index 102-600 for " $L$ ", " $B$ ", " $X$ ", and channelizing device spacing values.
2. On undivided highways the median signs as shown are to be omitted.
3. On limited access facilities, omit "Shoulder Closed Ahead" signs (W21-5b) and associated work zone sign spacing distances.
4. If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.
5. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2) and "Shoulder Closed Ahead" (W21-5b), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer ( $B$ ) may also be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
6. Use inverted plan of the illustrations for work on left side of roadways.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.

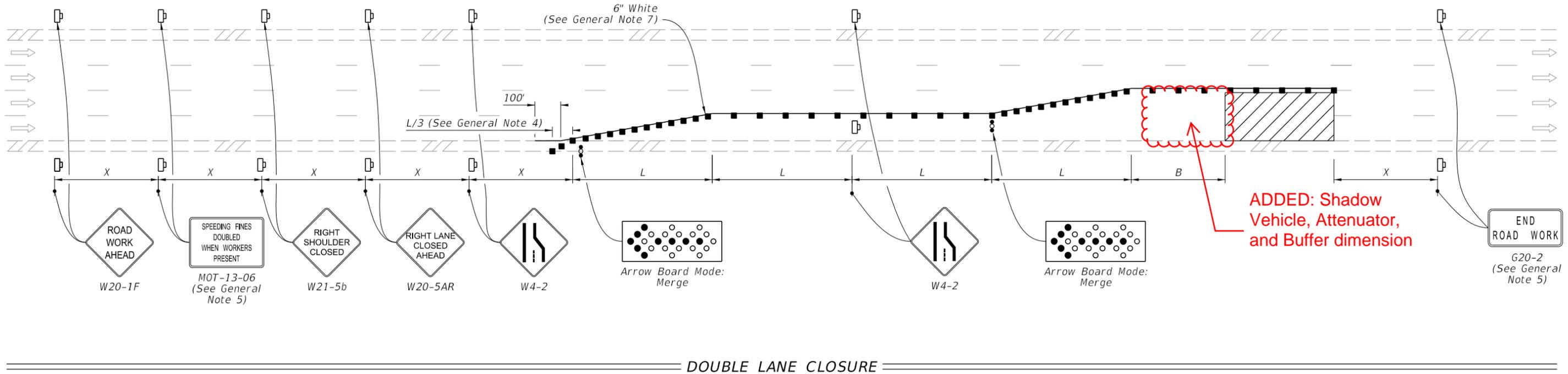
12/3/2021 9:36:00 AM

LAST REVISION	DESCRIPTION:
<del>11/01/21</del>	
11/01/22	

**FY 2022-23**  
**STANDARD PLANS**

**MULTILANE ROADWAY, LANE CLOSURES**

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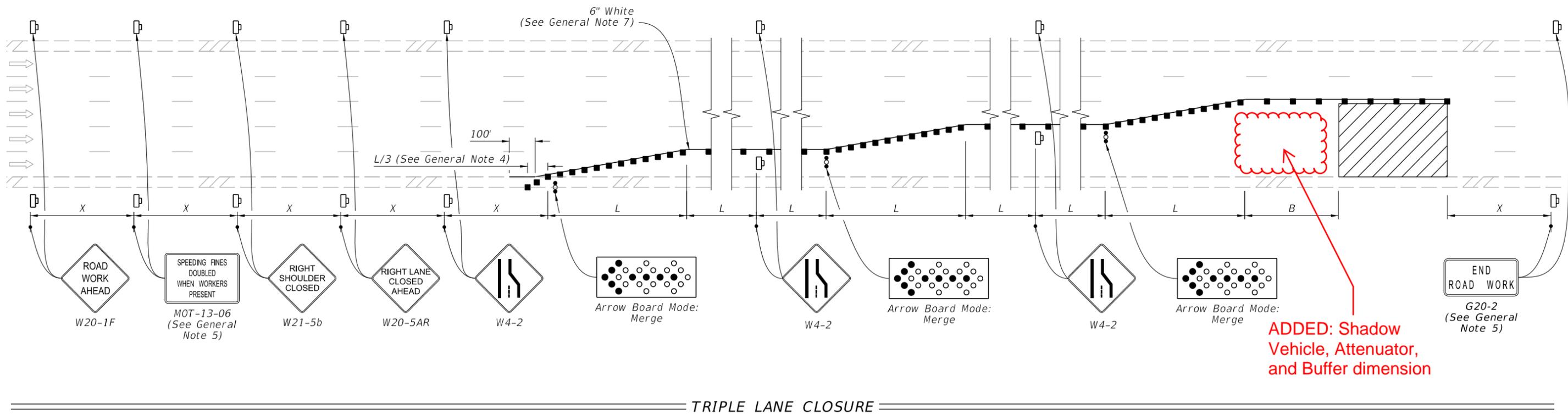
**SYMBOLS:**

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Arrow Board
-  Lane Identification and Direction of Traffic

**ADDED: Shadow Vehicle and Attenuator**

9/23/2021 2:42:44 PM

LAST REVISION <del>11/01/20</del>	REVISION <b>11/01/22</b>	DESCRIPTION:		FY 2022-23 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 2 of 5
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**SYMBOLS:**

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

**ADDED: Shadow Vehicle and Attenuator**

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LAST REVISION	DESCRIPTION:
<del>11/01/20</del>	
11/01/22	



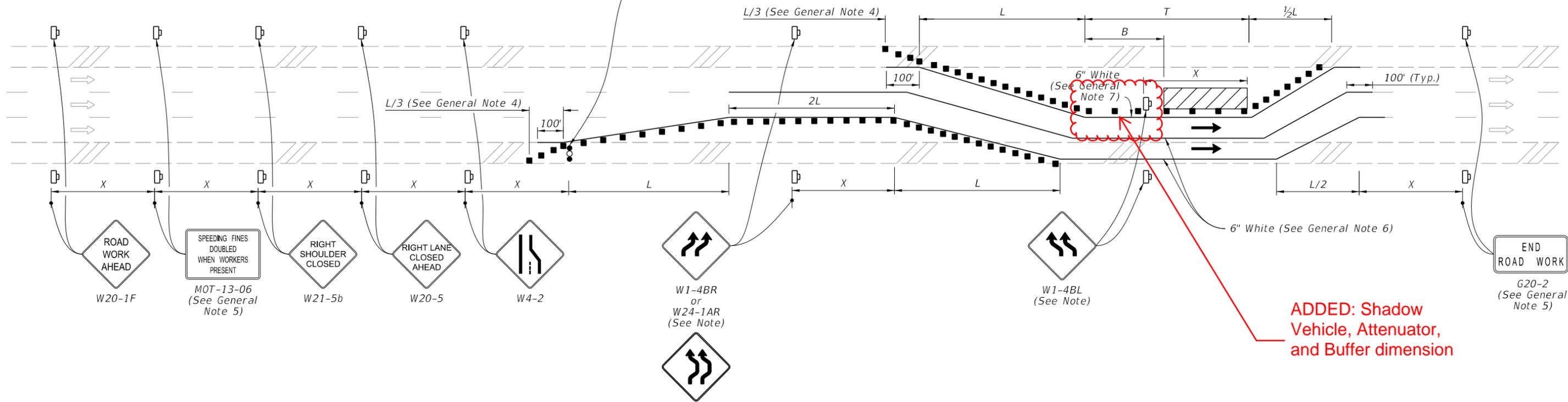
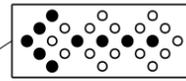
FY 2022-23  
STANDARD PLANS

MULTILANE ROADWAY, LANE CLOSURES

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102-613

SHEET  
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Arrow Board Mode:  
Merge



ADDED: Shadow  
Vehicle, Attenuator,  
and Buffer dimension

LANE CLOSURE WITH LANE SHIFT

NOTE:

If the tangent distance "T" is less than 600', then use "Double Reverse Curve" signs (W24-1A) instead of the first pair of "Reverse Curve" signs (W1-4B) and omit the second pair of "Reverse Curve" signs.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic

ADDED: Shadow  
Vehicle and Attenuator

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LAST REVISION	DESCRIPTION:
11/01/20	
11/01/22	

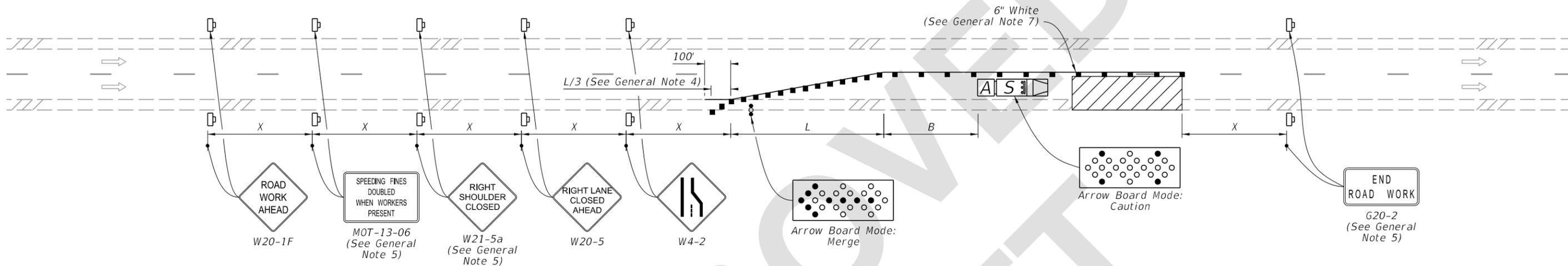


FY 2022-23  
STANDARD PLANS

MULTILANE ROADWAY, LANE CLOSURES

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**SINGLE LANE CLOSURE**

**SYMBOLS:**

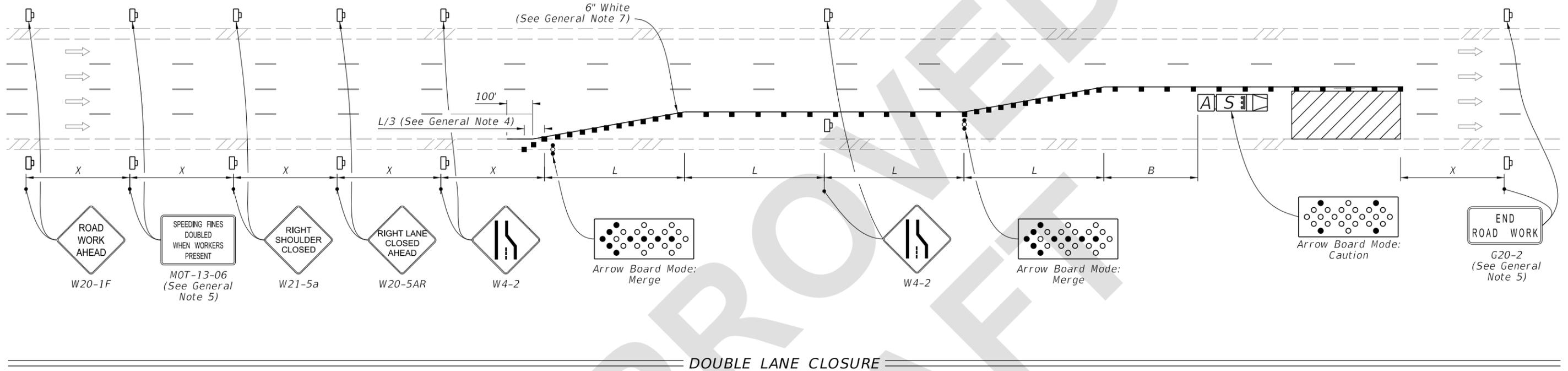
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic
- Truck/Trailer Mounted Attenuator (TMA)
- Shadow (S) Vehicle With Warning Lights And Arrow Board

**GENERAL NOTE:**

1. L = Taper Length  
B = Buffer Length  
X = Work Zone Sign Distance  
See Index 102-600 for "L", "B", "X", and channelizing device spacing values.
2. On undivided highways the median signs as shown are to be omitted.
3. On limited access facilities, omit "Right Shoulder Closed" signs (W21-5a) and associated work zone sign spacing distances.
4. If the paved shoulder is less than 4' in width, omit the taper and channelizing devices from the paved shoulder.
5. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2) and "Right Shoulder Closed" (W21-5a), along with associated work zone sign spacing distances, may be omitted when the work operation will be in place for 24 hours or less. For Single Lane Closures, arrow boards and buffer (B) may also be omitted when the work operation will be in place for 60 minutes or less and the speed limit is 45 mph or less.
6. Use inverted plan of the illustrations for work on left side of roadways.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. A shadow vehicle is required for roadways with a work zone speed greater than 45 MPH. The Engineer may omit the shadow vehicle where it is not feasible.

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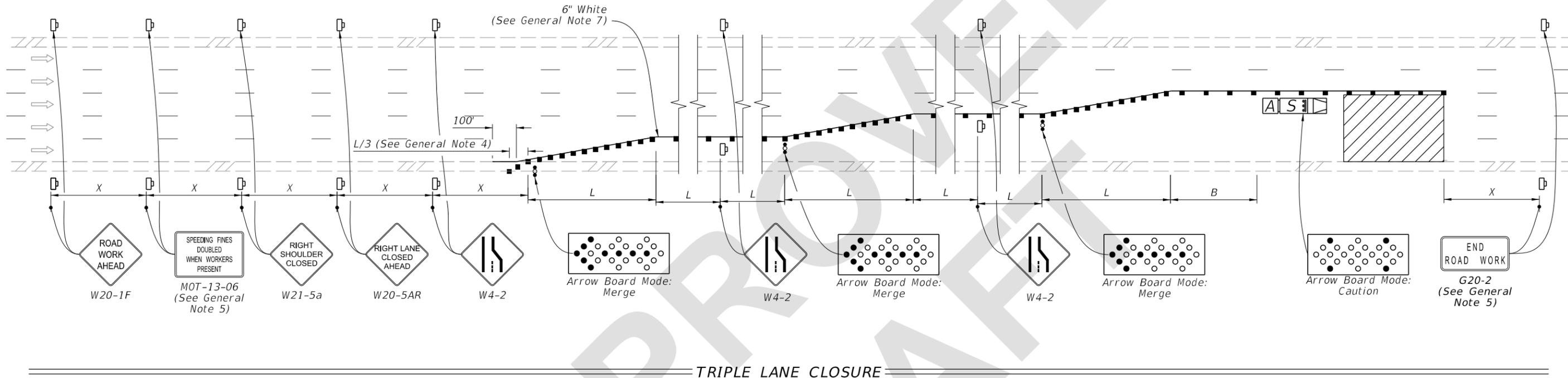
**SYMBOLS:**

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic
- Truck/Trailer Mounted Attenuator (TMA)
- Shadow (S) Vehicle With Warning Lights And Arrow Board

APPROVED DRAFT

5/18/2022 1:33:28 PM

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TRIPLE LANE CLOSURE

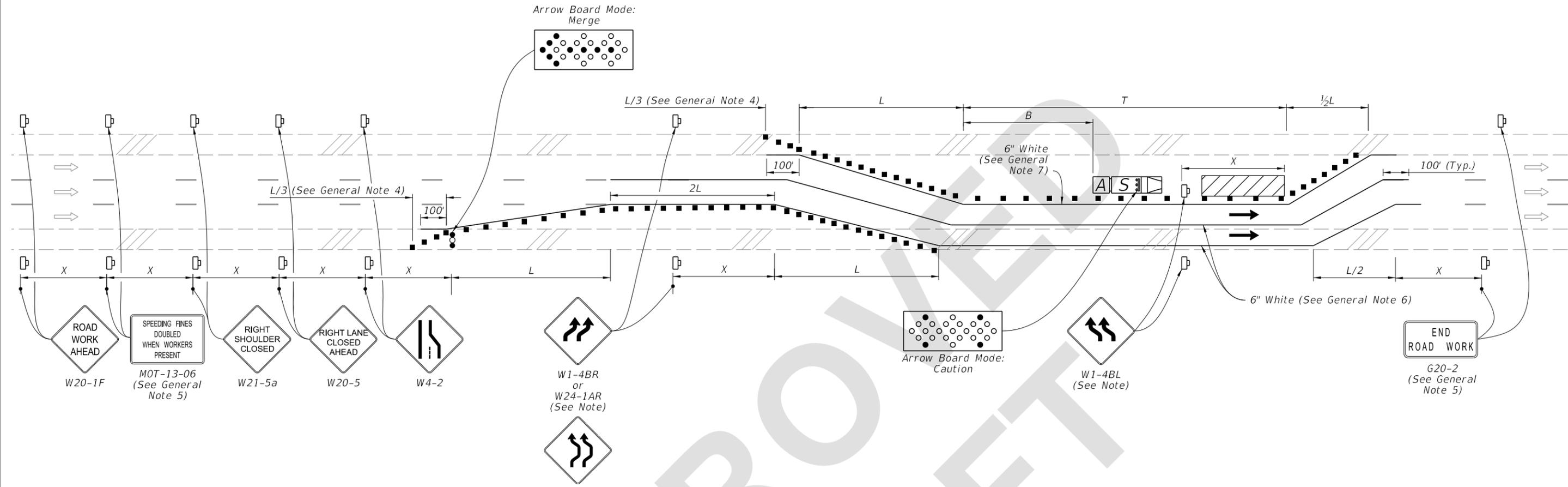
SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Lane Identification and Direction of Traffic
- Truck/Trailer Mounted Attenuator (TMA)
- Shadow (S) Vehicle With Warning Lights And Arrow Board

APPROVED DRAFT

5/18/2022 1:33:29 PM

LAST REVISION 11/01/22	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 3 of 5
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**LANE CLOSURE WITH LANE SHIFT**

**NOTE:**  
 If the tangent distance "T" is less than 600', then use "Double Reverse Curve" signs (W24-1A) instead of the first pair of "Reverse Curve" signs (W1-4B) and omit the second pair of "Reverse Curve" signs.

- SYMBOLS:**
- Work Area
  - Channelizing Device (See Index 102-600)
  - Work Zone Sign
  - Arrow Board
  - Lane Identification and Direction of Traffic
  - Truck/Trailer Mounted Attenuator (TMA)
  - Shadow (S) Vehicle With Warning Lights And Arrow Board

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LAST REVISION 11/01/22	REVISION	DESCRIPTION:		FY 2023-24 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 4 of 5
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