
ORIGINATION FORM

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

- | | | |
|--------------------------|-------------------------------------|-----------------------------|
| ☐ | ☒ | Other Standard Plans – |
| ☐ | ☒ | FDOT Design Manual – |
| ☐ | ☒ | Basis of Estimates Manual – |
| ☐ | ☒ | Standard Specifications – |
| ☐ | ☒ | Approved Product List – |
| ☐ | ☒ | Construction – |
| ☐ | ☒ | Maintenance – |

Origination Package Includes:

(Email or hand deliver package to Rick Jenkins)

Yes N/A

- | | | |
|-------------------------------------|-------------------------------------|--|
| ☒ | ☐ | Redline Mark-ups |
| ☐ | ☒ | Proposed Standard Plan Instruction (SPI) |
| ☐ | ☒ | Revised SPI |
| ☐ | ☒ | Other Support Documents |

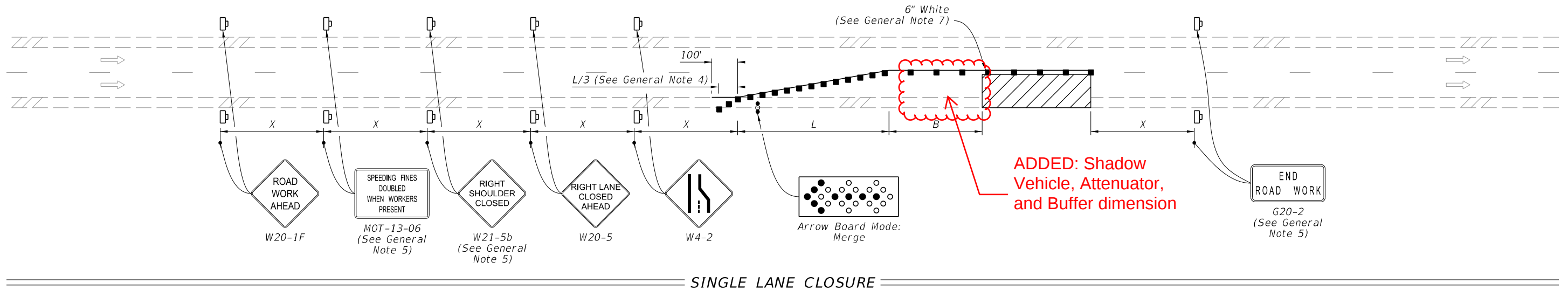
Implementation:

- | | |
|-------------------------------------|----------------------------------|
| ☐ | Design Bulletin (Interim) |
| ☐ | DCE Memo |
| ☐ | Program Mgmt. Bulletin |
| ☒ | FY-Standard Plans (Next Release) |

Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

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SYMBOLS:

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

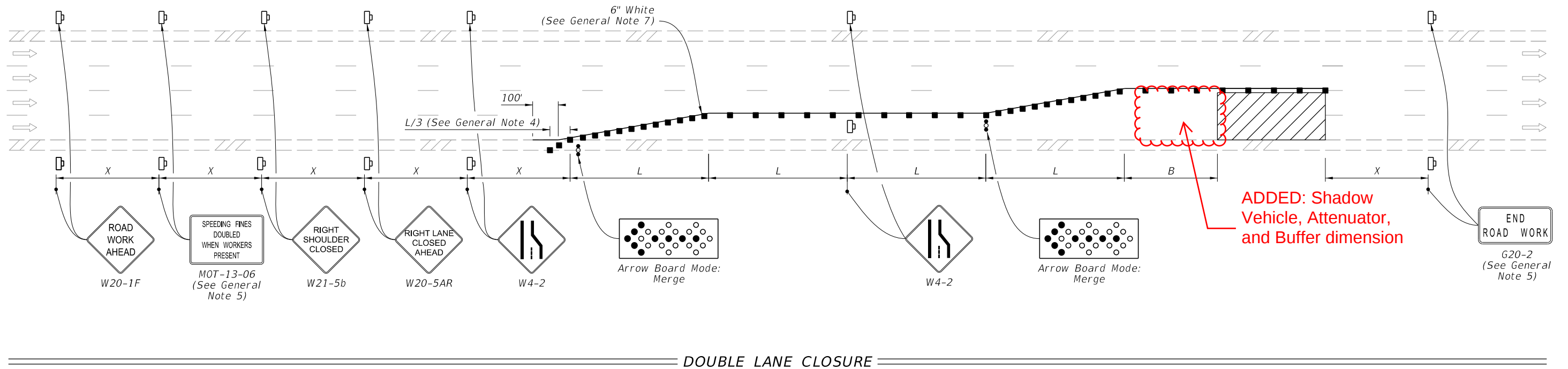
**ADDED: Shadow
Vehicle and Attenuator**

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 (M0T-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.

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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**

LAST REVISION	DESCRIPTION:
11/01/2021	
11/01/22	

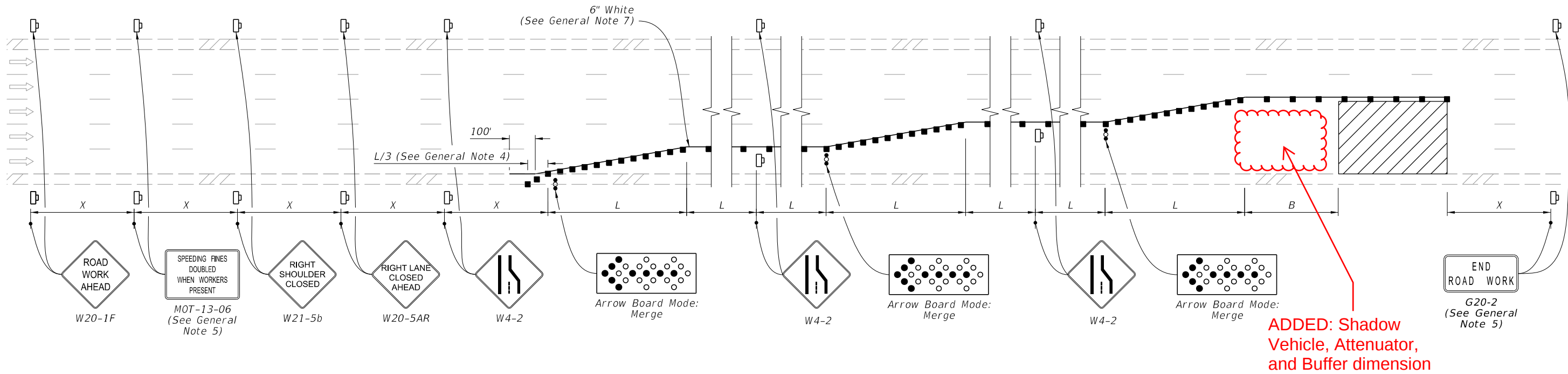


FY 2022-23
STANDARD PLANS

MULTILANE ROADWAY, LANE CLOSURES

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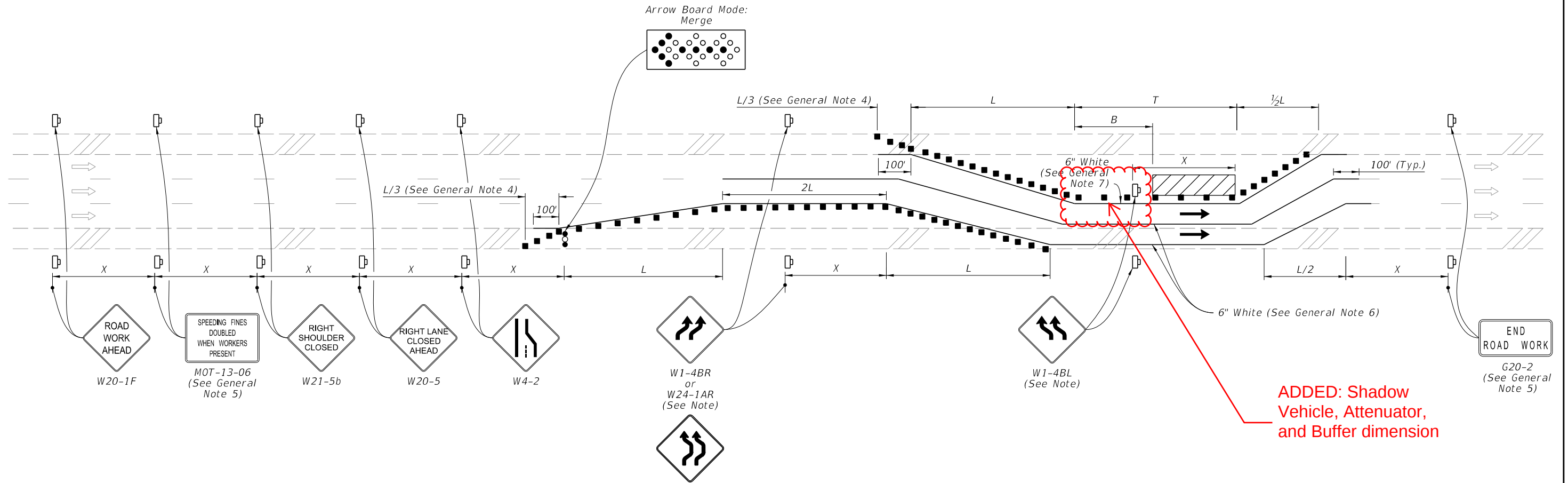


TRIPLE LANE CLOSURE

- SYMBOLS:**
- Work Area
 - Channelizing Device (See Index 102-600)
 - Work Zone Sign
 - Arrow Board
 - Lane Identification and Direction of Traffic
- ADDED: Shadow Vehicle and Attenuator**

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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

ADDED: Shadow Vehicle and Attenuator

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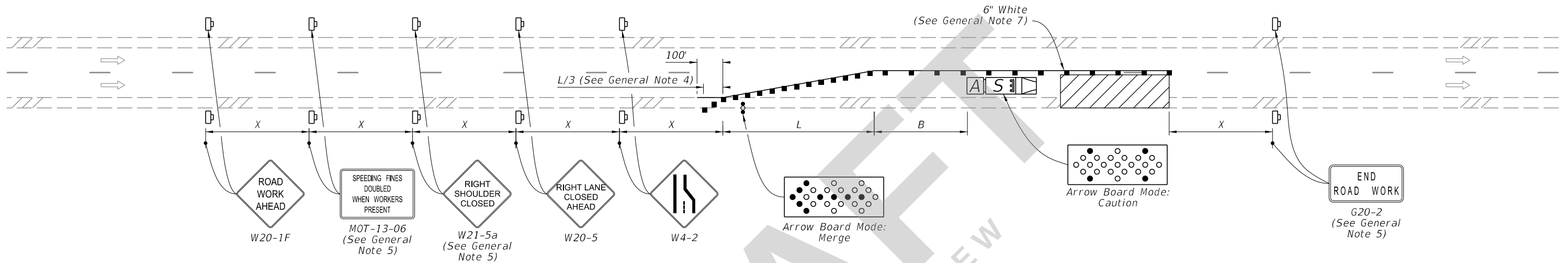


FY 2022-23
STANDARD PLANS

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 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 is is not feasible.



FY 2023-24
STANDARD PLANS

MULTILANE ROADWAY, LANE CLOSURES

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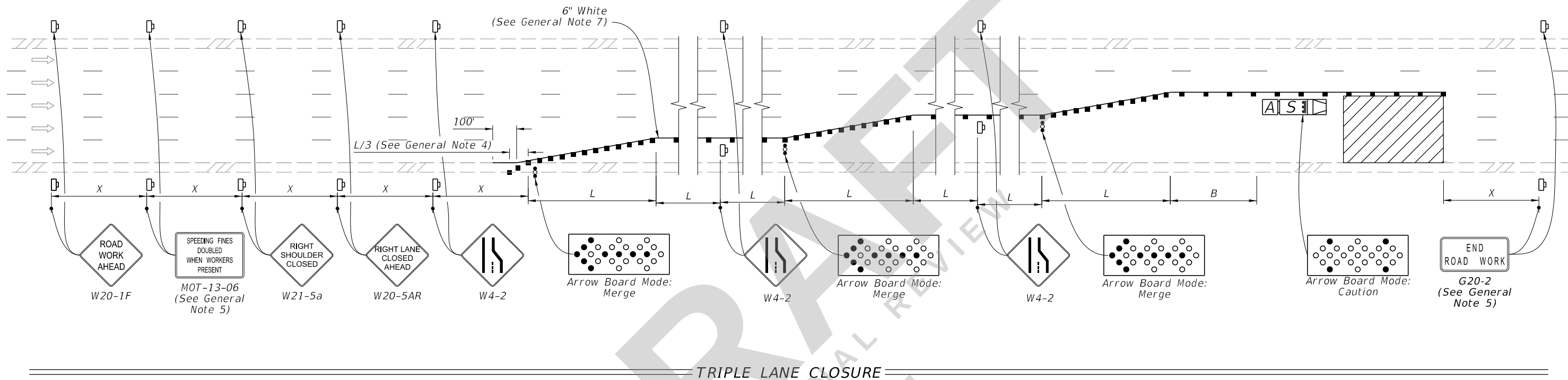
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LAST
REVISION
11/01/22

REVISION

DESCRIPTION:

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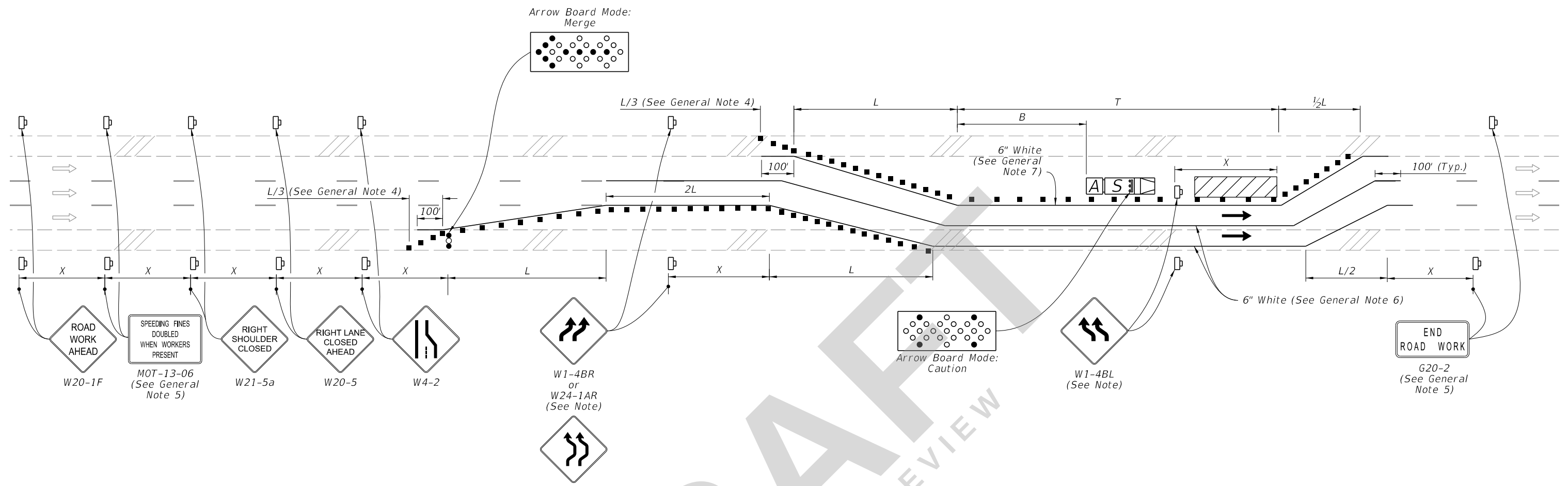


SYMBOLS:

-  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

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MULTILANE ROADWAY, LANE CLOSURES					

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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