

# ORIGINATION FORM

Proposed Revisions to a Design Standards Index  
(Please provide all information – Incomplete forms will be returned)

## Contact Information:

Date: July 5, 2017  
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## Design Standards:

Index Number: **606**  
Sheet Number (s): ALL SHEETS  
Index Title: Two-Lane, Two-Way, Work within the Travel  
Way - Signal Control

## Summary of the changes:

Sheet 1: Changed Note 1. Changed Note 2. Deleted Notes 3-4. Changed Note 6. Deleted Notes 7-8. Changed Note 9.  
Sheet 2: Deleted Reverse Curve and Keep Right signs.  
Sheet 3: Deleted Reverse Curve and Keep Right signs.  
Sheet 4: Changed "Span Wire Signal" to "Temporary Signal"

## Commentary / Background:

The primary concern of these changes was to increase the maximum distance between signals from 0.25 miles to 0.50 miles and to reword the previous Note 9. State of the practice technology offers remote monitoring of portable temporary traffic signals. The Reverse Curve and Keep Right signs are not required by the MUTCD.

## Other Affected Offices / Documents: (Provide name of responsible personnel)

- | Yes                      | No                                  |                             |
|--------------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Design Standards –    |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Plans Preparation 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 Derwood Sheppard)

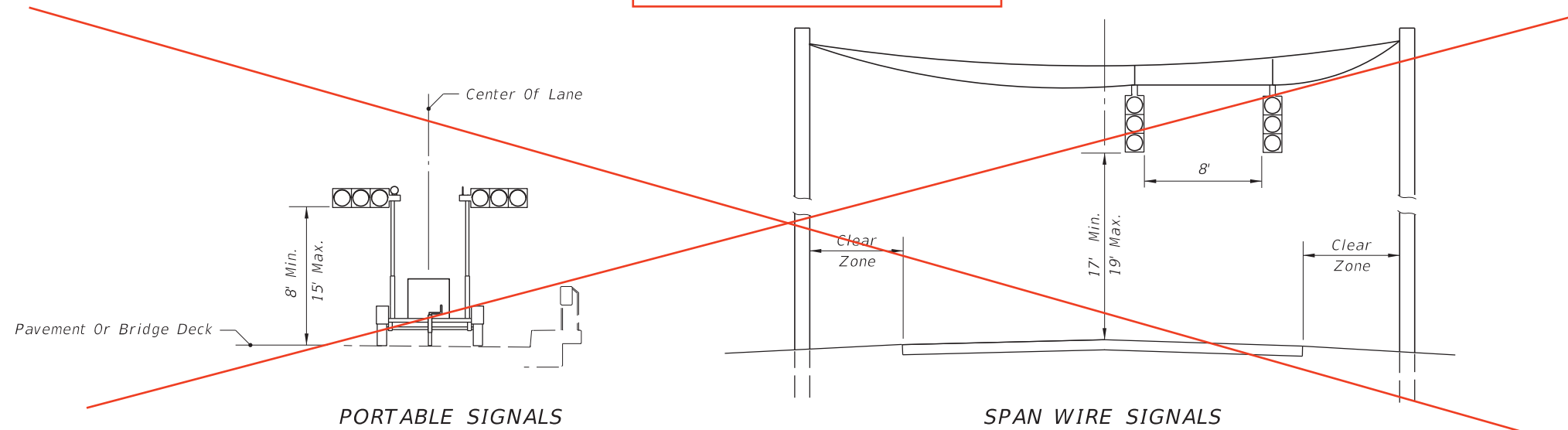
- | Yes                                 | N/A                      |                         |
|-------------------------------------|--------------------------|-------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Redline Mark-ups        |
| <input type="checkbox"/>            | <input type="checkbox"/> | Proposed IDS            |
| <input type="checkbox"/>            | <input type="checkbox"/> | Revised IDS             |
| <input type="checkbox"/>            | <input type="checkbox"/> | Other Support Documents |

## Implementation:

- Design Bulletin (DSR)     DCE Memo     Program Mgmt. Bulletin     Design Standards e-Booklet (Next Release)

Contact the Roadway Design Office for assistance in completing this form

Delete Sign Mount Details below



~~SIGNAL MOUNT DETAILS~~

Add "Temporary" and make the symbol larger

- SYMBOLS**
- Work Area
  - Work Zone Sign
  - Traffic Signal
  - Channelizing Device (See Index No. 600)
  - Type III Barricade
  - Stop Bar
  - Flagger
  - Portable Signal
  - Lane Identification + Direction of Traffic

**GENERAL NOTES**

1. Work operations shall be confined to one traffic lane, except for haul road crossings, leaving the opposite lane open to traffic.
2. The installation and timing of signals shall be approved by the District Traffic Operations Engineer prior to signals being placed in operation.  
  
Where sight distance to the signal is limited, the signals may be mounted on span wire or relocated at the discretion of the Engineer.  
  
Whether the signals are in automatic mode or being controlled manually, in no case will the distance between the portable signals (receiver/controllers) exceed the maximum distance at which ~~both of~~ the portable signals can be positively and safely operated.
3. Additional signals or flaggers may be required to assure safe movements between traffic and operating equipment, as determined by the Engineer.
4. An additional warning sign may be required in advance of the ROAD WORK AHEAD sign, as determined by the Engineer. The distance between successive signs shall be 500'.
5. The SIGNAL AHEAD legend sign may be substituted for the symbol sign.

**CHANGED NOTES**

6. SIGNAL AHEAD and EQUIPMENT CROSSING AHEAD signs are to be removed or fully covered when no work is being performed and the highway is open to two-way traffic. Type III Barricades shall be in place to block haul road access when the haul road is not in operation and a flagger/signal operator is not on duty, except when the haul road is an existing properly marked road.
7. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
8. For general TCZ requirements and additional information, refer to Index No. 600.
9. Span wire signals are to be used only in work zones with workers present, where the contractor can monitor signal operation and maintain traffic with flaggers in the event of a power failure.
10. Use Temporary Raised Rumble Strips in accordance with Index 603, General Note #3.

**CONDITIONS**

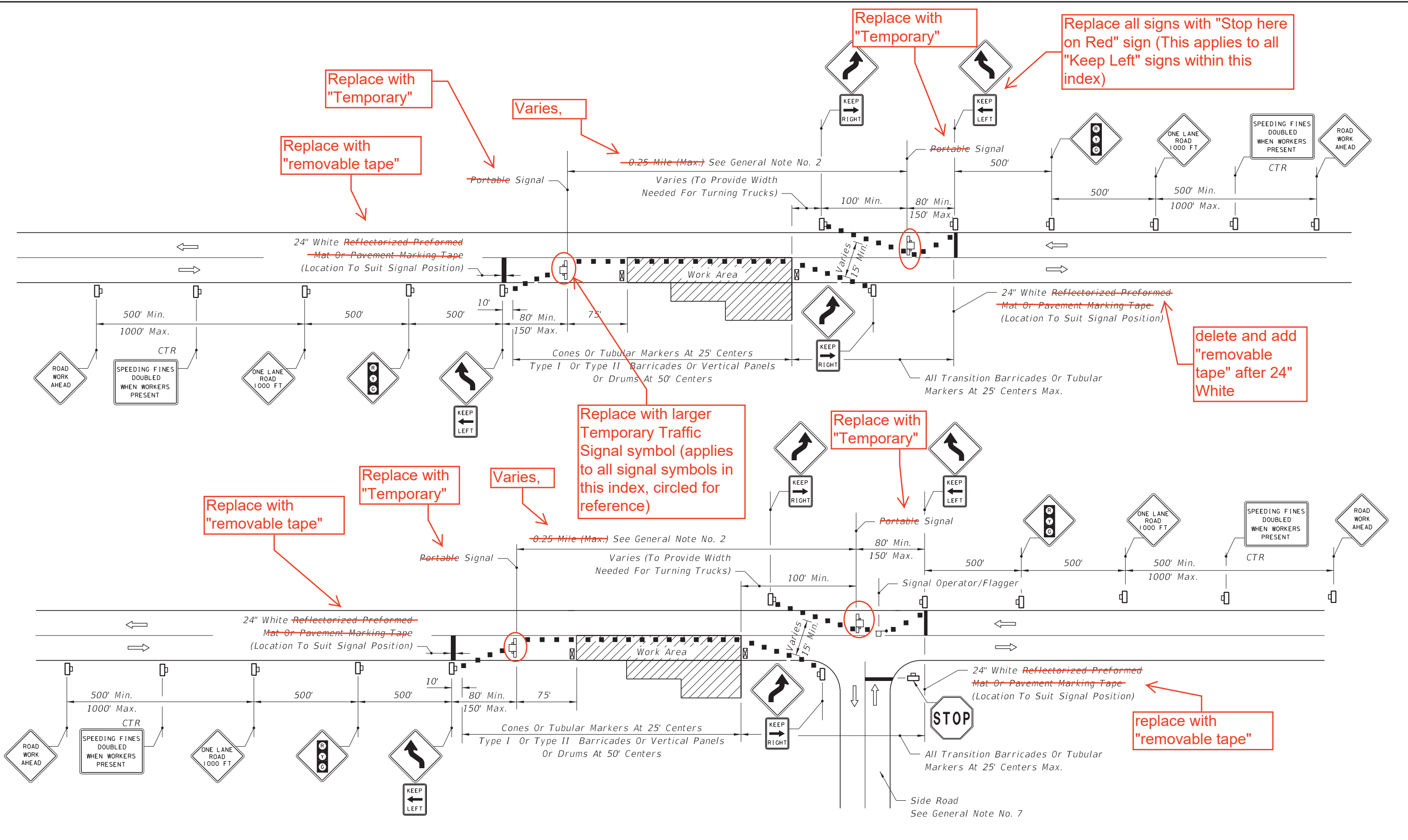
WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OR MOMENTARILY ENCROACH ON BOTH LANES OF A TWO-LANE TWO-WAY ROADWAY AND TRAFFIC SIGNALS ARE NEEDED.

CHANGED ALL 11/01/17

CHANGED ALL; 102-606

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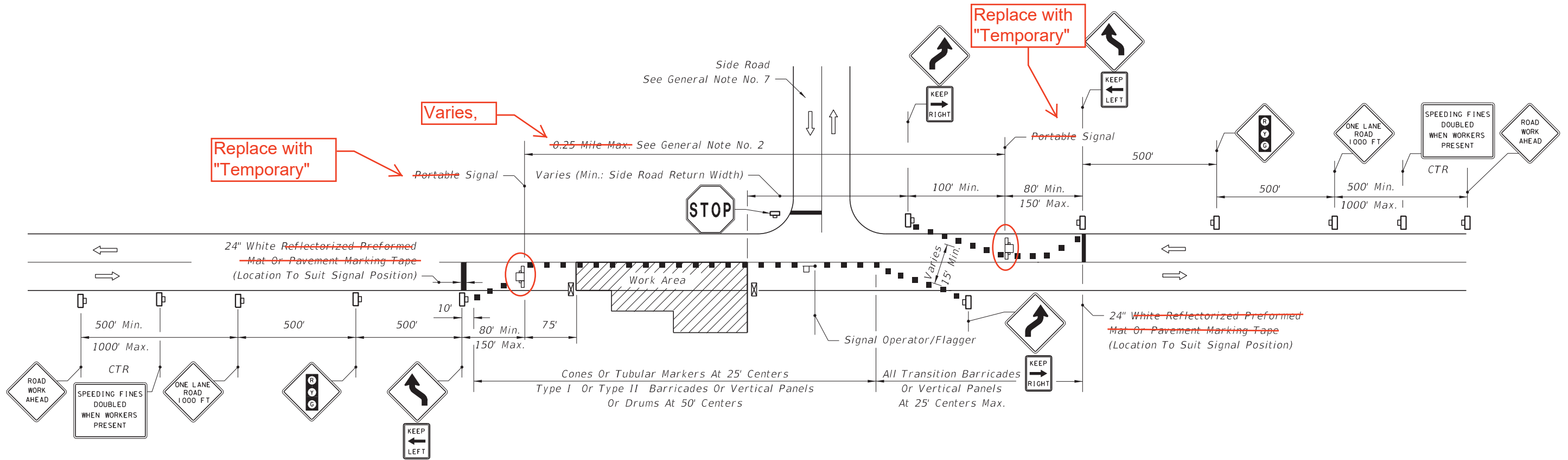
LAST REVISION 07/01/15	REVISION	DESCRIPTION: CHANGED ALL 11/01/17	 FY 2016-17 DESIGN STANDARDS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY - SIGNAL CONTROL	INDEX NO. <del>606</del>	SHEET NO. 1 of 4
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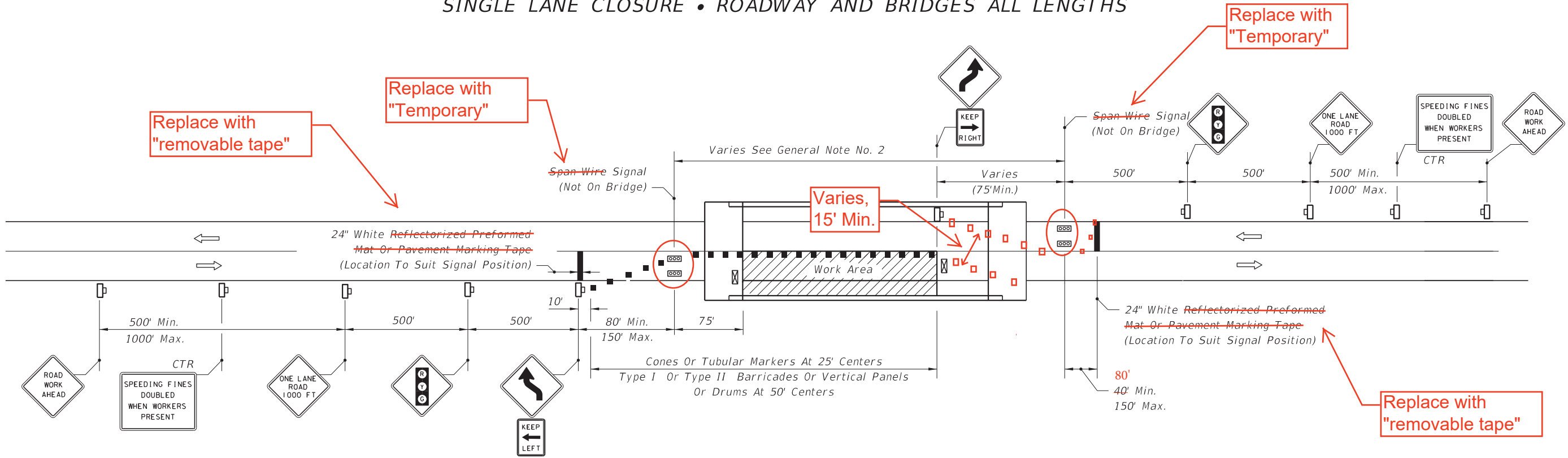
SINGLE LANE CLOSURE • ROADWAY AND BRIDGES ALL LENGTHS

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07/01/15					606	2 of 4



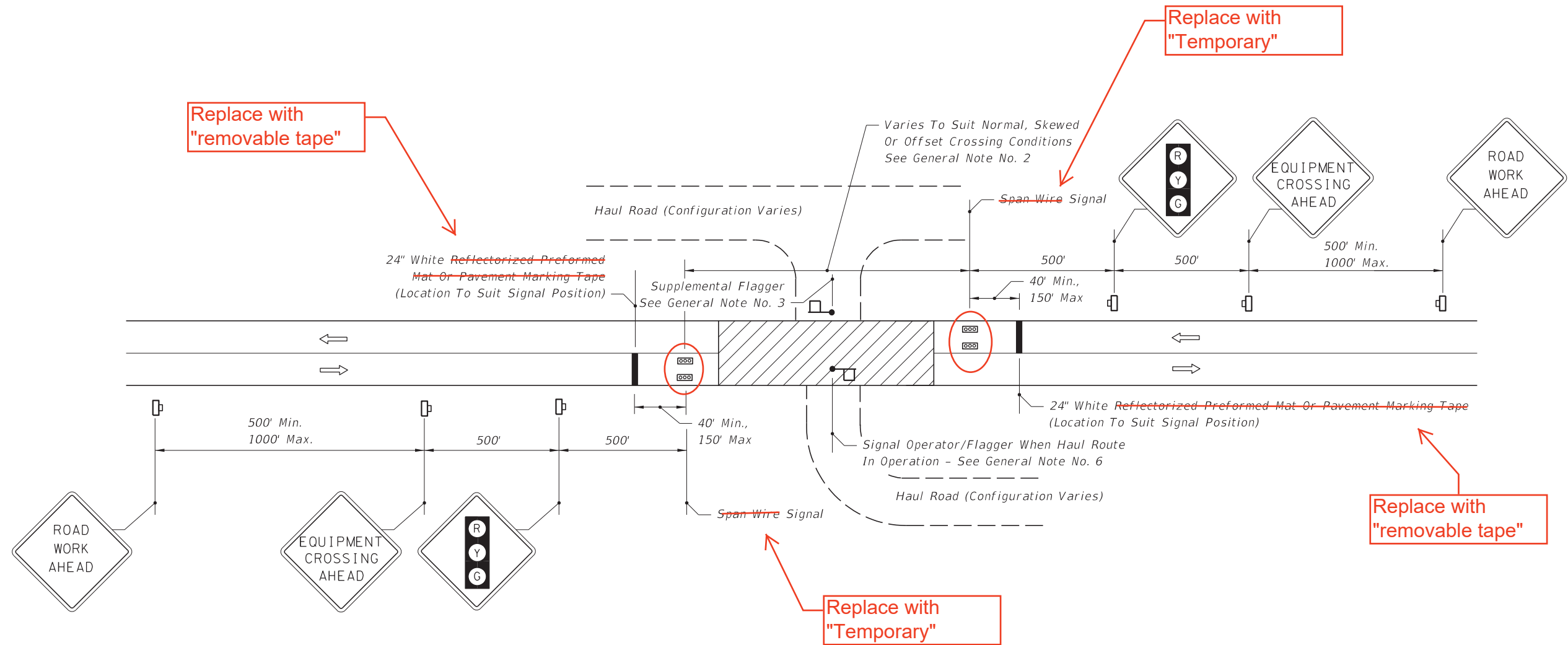
**SINGLE LANE CLOSURE • ROADWAY AND BRIDGES ALL LENGTHS**



**SINGLE LANE CLOSURE • SHORT BRIDGES**

12/3/2015 9:03:58 AM

LAST REVISION <b>07/01/15</b>	DESCRIPTION:	FDOT FY 2016-17 DESIGN STANDARDS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY - SIGNAL CONTROL	INDEX NO. <del>606</del>	SHEET NO. 3 of 4
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MOMENTARY ROADWAY CLOSURE • HAUL ROUTE CROSSING





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LAST REVISION 07/01/15	REVISION DESCRIPTION:	 FY 2016-17 DESIGN STANDARDS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY - SIGNAL CONTROL	INDEX NO. <del>606</del>	SHEET NO. 4 of 4
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**GENERAL NOTES**

1. Use either portable signals or span wire signals and include two signal faces for each approach.
2. Obtain approval from the District Traffic Operations Engineer for the installation and timing of the signals prior to the signals being placed in operation. Adjust timing based on changing field conditions as approved by the Worksite Traffic Supervisor. Obtain approval from the District Traffic Operations Engineer for any timing changes that are either reoccurring or last longer than 24 hours.
3. For the maximum distance between portable temporary traffic signals do not exceed the distance at which the signals can safely communicate. When the distance between signals is 0.25 miles to 0.50 miles, use a countdown timer on both signals. When the distance between signals is greater than 0.50 miles, use a combination of a pilot vehicle and manually controlled temporary traffic signals.
4. The SIGNAL AHEAD legend sign may be substituted for the symbol sign.
5. Use Type III Barricades to block haul road access when the haul road is not in operation and a flagger/signal operator is not on duty, except when the haul road is an existing properly marked road.
6. Monitor temporary traffic signals by having one or more workers present during operation. In the event of a temporary traffic signal failure, maintain traffic with flaggers.
7. Use Temporary Raised Rumble Strips in accordance with Index 102-603.


**SYMBOLS**

-  Work Area
-  Work Zone Sign
-  Temporary Traffic Signal
-  Channelizing Device (See Index 102-600)
-  Type III Barricade
-  Stop Bar
-  Flagger
-  Lane Identification + Direction of Traffic

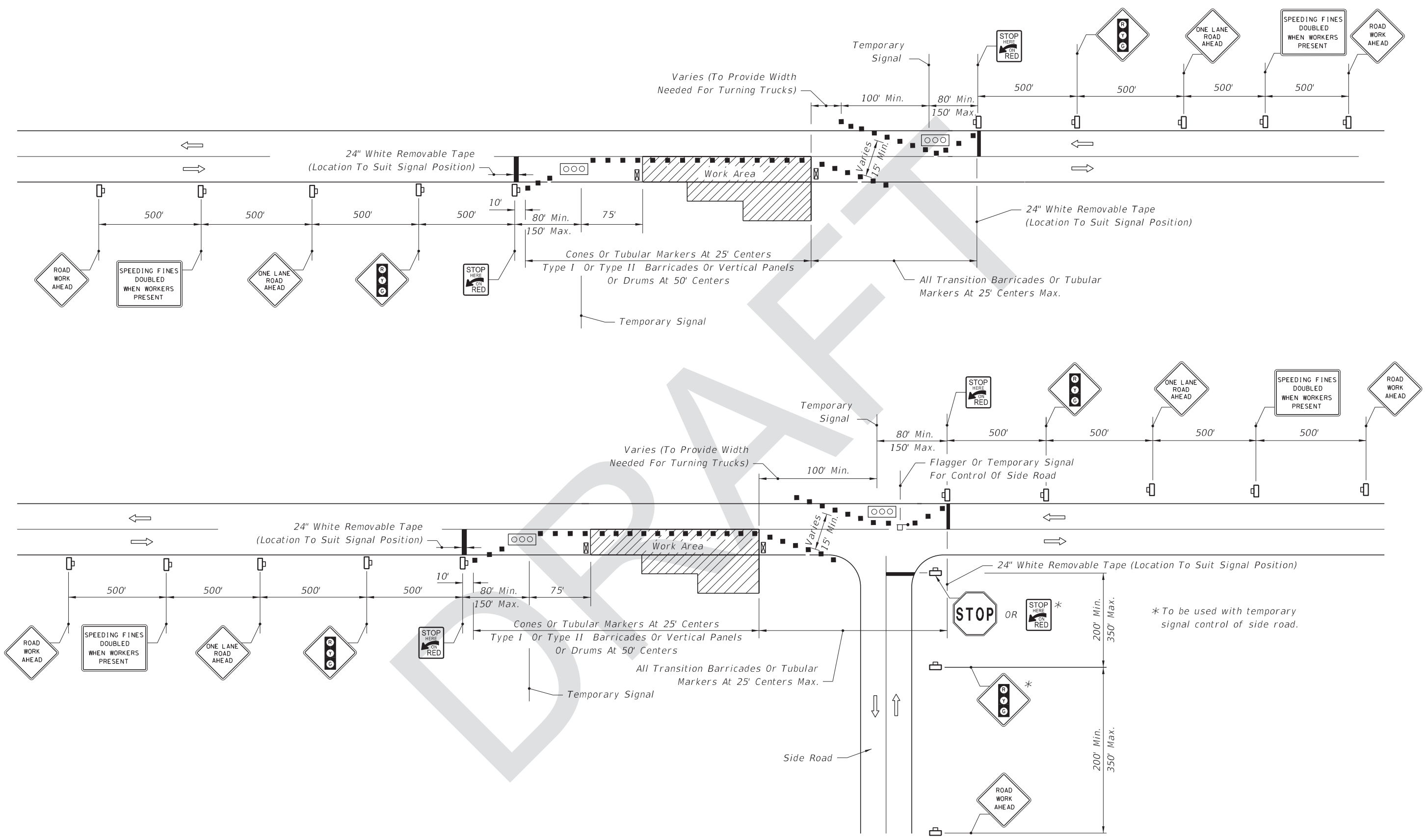
**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON ONE LANE OR MOMENTARILY ENCROACH ON BOTH LANES OF A TWO-LANE TWO-WAY ROADWAY AND TRAFFIC SIGNALS ARE NEEDED.

8/30/2017 11:44:20 AM


LAST REVISION 11/01/17	REVISION	DESCRIPTION:		FY 2018-19 <b>STANDARD PLANS</b>	<b>TWO-LANE, TWO-WAY, WORK WITHIN                  THE TRAVEL WAY - SIGNAL CONTROL</b>	INDEX <b>102-606</b>	SHEET <b>1 of 4</b>
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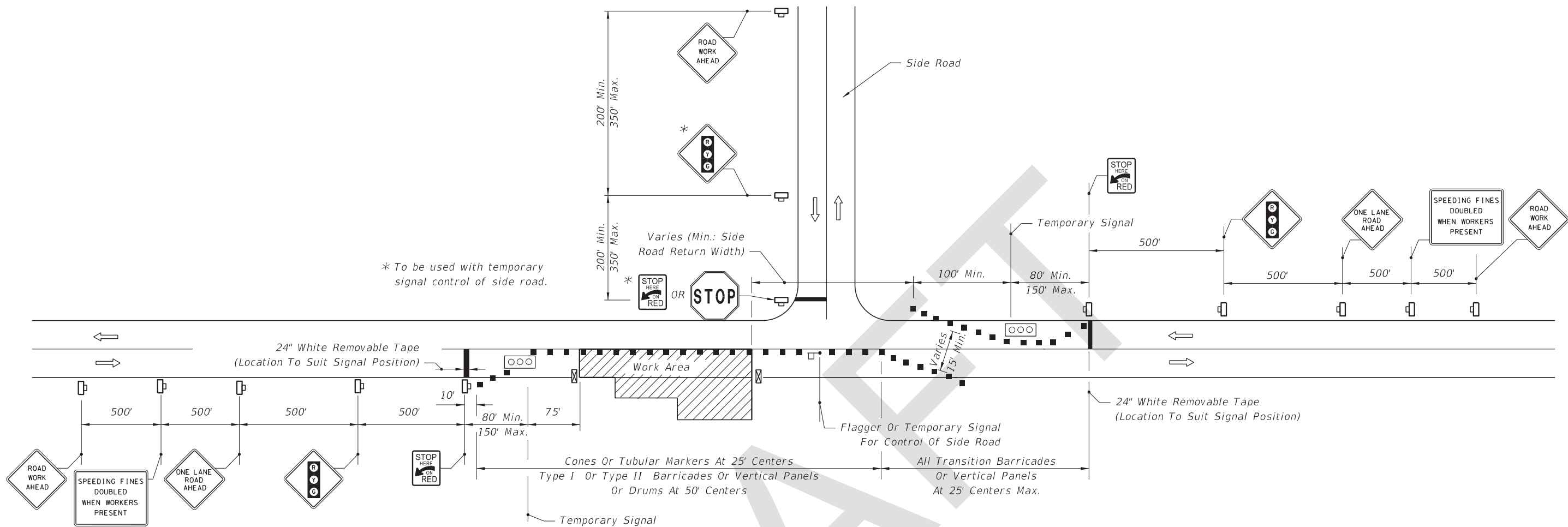




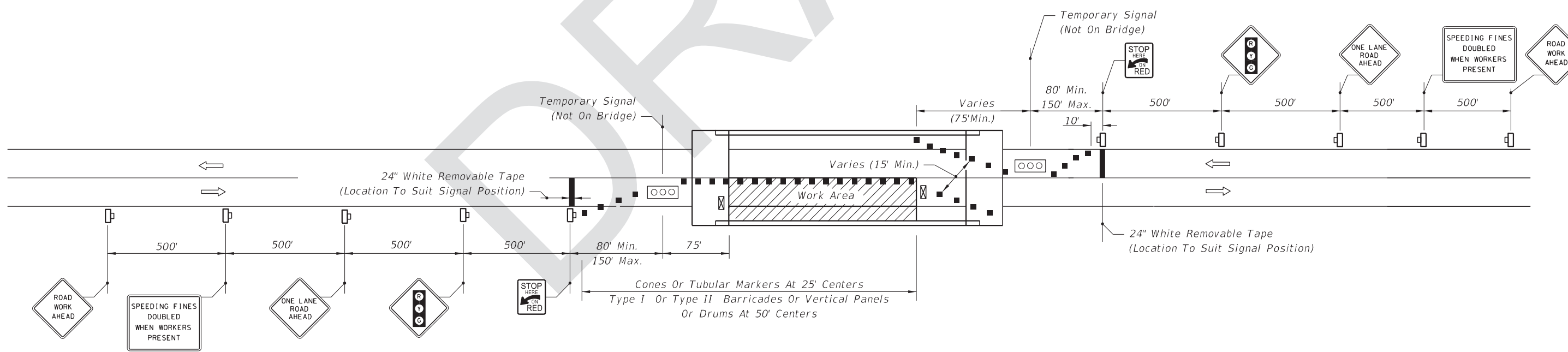
SINGLE LANE CLOSURE • ROADWAY AND BRIDGES ALL LENGTHS

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LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2018-19 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY - SIGNAL CONTROL	INDEX 102-606	SHEET 2 of 4
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**SINGLE LANE CLOSURE • ROADWAY AND BRIDGES ALL LENGTHS**

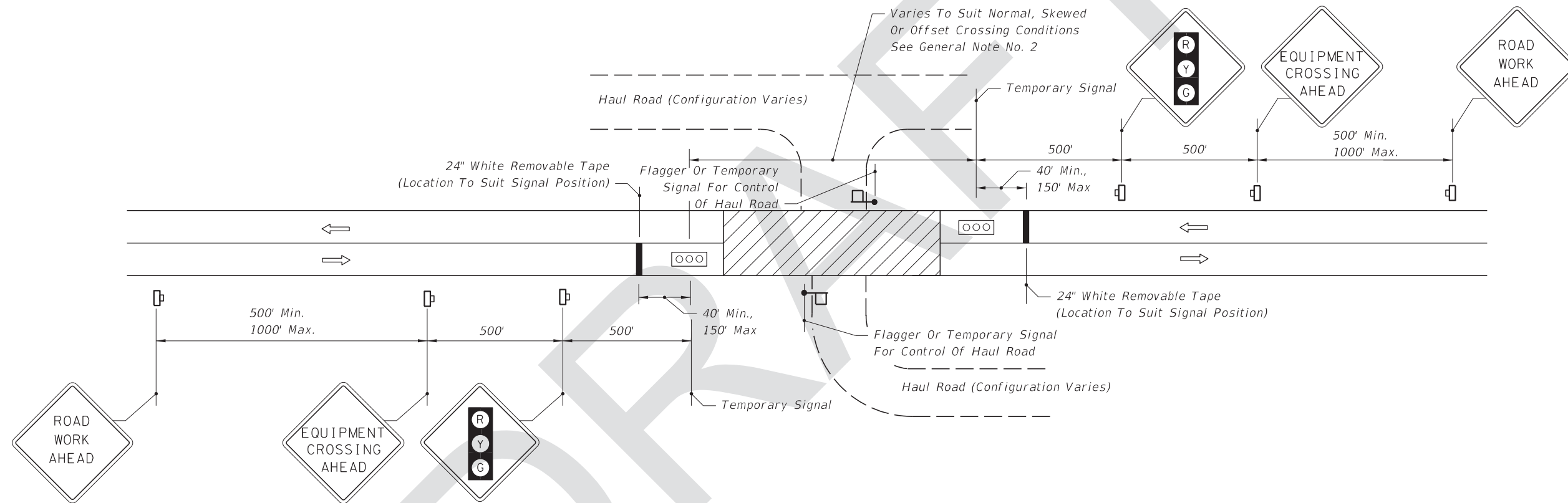


**SINGLE LANE CLOSURE • SHORT BRIDGES**

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LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2018-19 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY - SIGNAL CONTROL	INDEX 102-606	SHEET 3 of 4
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MOMENTARY ROADWAY CLOSURE • HAUL ROUTE CROSSING

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LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 FY 2018-19 STANDARD PLANS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY - SIGNAL CONTROL	INDEX 102-606	SHEET 4 of 4
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