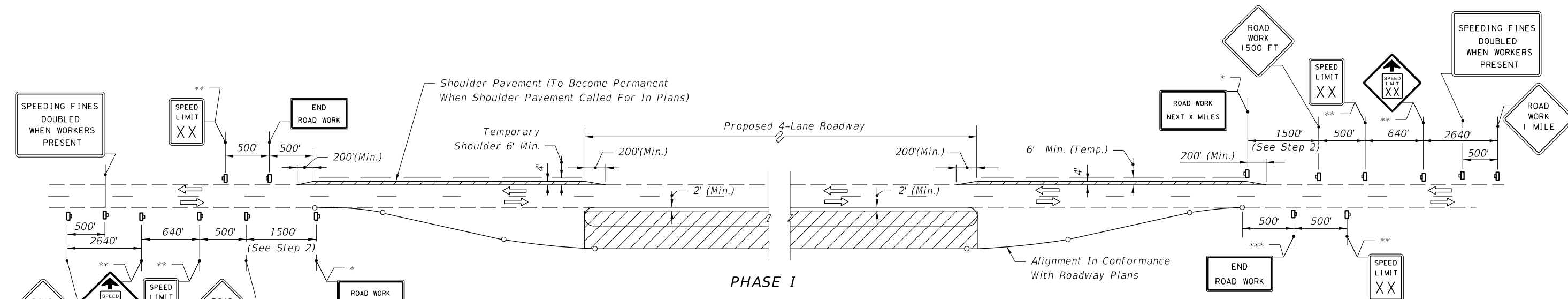
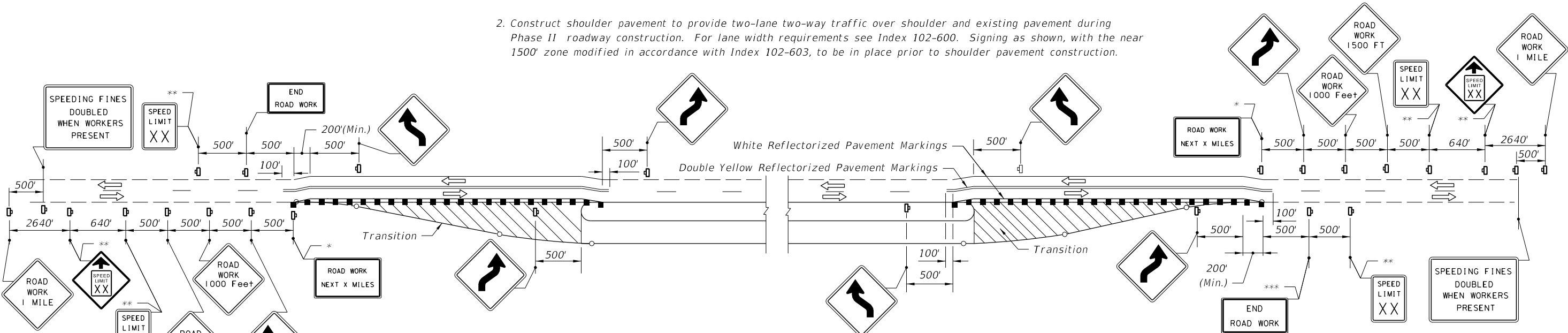


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**PHASE I**

1. Maintain two-lane two-way traffic over existing pavement. Construct new roadway within the proposed 4-lane limits, excluding the friction course. Sign as shown if roadway construction area falls within 15' of existing pavement edge. When the construction area falls more than 15' from the existing pavement edge, traffic shall be controlled in accordance with Index 102-601 or 102-602.
2. Construct shoulder pavement to provide two-lane two-way traffic over shoulder and existing pavement during Phase II roadway construction. For lane width requirements see Index 102-600. Signing as shown, with the near 1500' zone modified in accordance with Index 102-603, to be in place prior to shoulder pavement construction.



**PHASE II**

1. Remove existing pavement marking in areas of diversion and remark as shown, install warning devices and resign as shown. Traffic to be controlled in accordance with Index 102-607. For lane width requirements see Index 102-600.
2. Route through traffic to temporary and existing pavement.
3. Construct transitions, excluding friction course.

**SYMBOLS**

- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

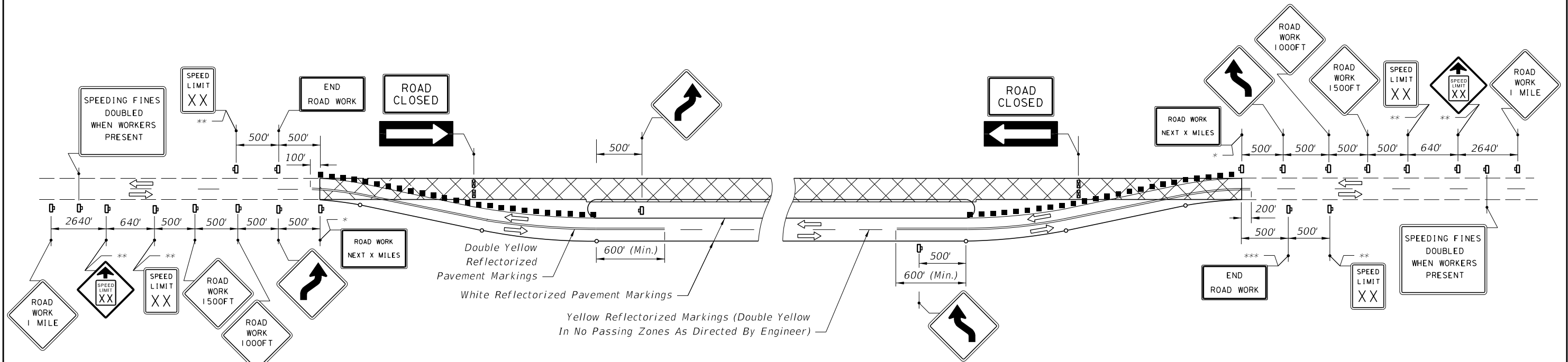
**LEGEND**

- Phase I Construction
- Phase II Construction
- Phase III Construction

Note: See Sheet 2 for General Notes.

- \* Required For Projects > 2 Miles
- \*\* Required Only When Construction Zone Speed Reduced Below Existing Posted Speed Prior To Construction
- \*\*\* When Other Construction Or Maintenance Operations Occur Within 1 Mile, Sign(s) To Be Omitted And Signing To Be Coordinated In Accordance With Index 102-600.

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**PHASE III**

1. Remove temporary marking from the existing pavement and temporary shoulder pavement. Mark pavement, install warning devices and resign as shown. Traffic to be controlled in accordance with Index 102-607. For lane width requirements see Index 102-600.
2. Route through traffic to newly constructed roadway.
3. Resurface or reconstruct existing pavement including required shoulder pavement and friction course.

**PHASE IV**

1. Reroute through traffic as shown in Phase II. Signing to be as shown in Phase II.
2. Construct friction course over pavement constructed in Phases I and II.

**GENERAL NOTES**

1. Existing signs and pavement markings that conflict with construction signing and marking shall be obliterated or removed.
2. Lane widths for maintenance of two-way traffic should desirably be equal to lane widths of the existing facility, but lanes shall be not less than 10' in width. When one-lane one-way operations are necessary, a minimum width of 12' shall be maintained and traffic controlled in accordance with Indexes 102-603 and 102-607. Minimum width for the temporary shoulders is 6'.
3. Within the lateral transitions, the maximum spacing between Type I or Type II barricades or vertical panels or drums shall be based on the speed limit as follows: 15' up to 25 MPH; 30'-40 MPH; 50' for 45 MPH or greater.  
  
The maximum spacing between warning devices used for delineation between the travel way and construction area is 50' for Type I or Type II barricades or vertical panels or drums.
4. Warning devices shall be in conformance with 'Drop-offs In Work Zones', see Index 102-600.
5. For speed sign applications, see 'Regulatory Speed In Work Zones' Index 102-600.
6. For reflectORIZED raised pavement marker applications, see 'Pavement Markers' Index 102-600 and Index 706-001.
7. Additional barricades, signing, or other traffic controls shall be provided for limited work areas in accordance with other applicable TCZ Indexes.
8. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
9. Provisions approved by the Engineer shall be made for the removal of storm water from the roadway(s) during construction.
10. For general TCZ requirements and additional information, refer to Index 102-600.

\* Required For Projects > 2 Miles

\*\* Required Only When Construction Zone Speed Reduced Below Existing Posted Speed Prior To Construction

\*\*\* When Other Construction Or Maintenance Operations Occur Within 1 Mile, Sign(s) To Be Omitted And Signing To Be Coordinated In Accordance With Index 102-600.

**SYMBOLS**

- Channelizing Device (See Index 102-600)
- ▤ Type III Barricade
- Work Zone Sign
- ⇒ Lane Identification + Direction of Traffic

**LEGEND**

- ▨ Phase I Construction
- ▩ Phase II Construction
- ▤ Phase III Construction

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LAST REVISION 11/01/17	REVISION	DESCRIPTION:	 <b>FY 2020-21 STANDARD PLANS</b>	<b>CONVERTING TWO LANES TO FOUR LANES DIVIDED, RURAL</b>	INDEX 102-640	SHEET 2 of 2
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