
Index 102-602 Two-Lane and Multilane, Work on Shoulder

ORIGINATION

Date: 3-5-21

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COMMENTARY

The duration provisions of the index are intended to apply to the length time needed to perform the specific temporary traffic control work “operation” shown, which is independent of the duration of an overall construction project. The term “Work Zone” is being replaced with “Work Operation” to clarify the intent.

Changed Note 3 to revert to the previous duration that allowed engineers to omit signs and channelizing devices for work operations 60 minutes or less. changed "ridable shoulder" language to "4' or greater paved shoulder to be clear as to what we mean and not introduce a new term.

COMMENTS AND RESPONSES

BLACK = Internal Review Comments **RED** = Standard Plans Response **GREEN** = Change Made to Index

Name: Steve Wille

Date: 8-13-21

COMMENT: The original note change removing the duration note of 60 minutes or less, and requiring signs and channelizing devices for work activities other than Litter and mowing was in my opinion a solid step towards increasing the safety of workers performing tasks on the shoulder.

With the level of distracted drivers and increased incidents involving shoulder work related accidents, I recommend that a note be added requiring a TMA shadow vehicle be required for work 60 minutes or less, 2' – 15' from the travel-way, other than mowing and litter operations.

RESPONSE: While the original intent behind removing the short-duration (60 mins. or less) allowance to omit signs and channelizing devices was done in an effort to increase the usage of advanced signage and delineation of the work area. It also had the unintended effect of increased worker exposure during the setup and removal of devices. In particular, for work operations that take less time to complete than the time to setup the TTC devices. However, while there is an allowance to omit the devices, proper judgment should be used and devices included where site conditions and traffic volume/speed indicate that advanced signing and channelization devices provide the safest traffic control application.

As for the use of TMAs, while there is currently no requirement to use them, the Department does not prohibit them. Additionally, the MUTCD provides guidance on the use of supplemental devices, such as TMAs, in addition to or in place of other advanced signing and/or channelizing devices.

No Change.

Date: 8/25/21

Name: Anonymous

Date: 8/31/2021

COMMENT: Is the 4-ft paved shoulder provision intended to apply to all roadway types (i.e., limited access facilities vs. Arterials/Collectors)?

RESPONSE: No, only 4' or wider paved shoulder on non-limited access facilities are considered "Bicycle Facilities".





Change Made: Instead of revising the Note further, it has been decided to remove the redundant note from all relevant 102 Series Indexes. The FDM provides guidance on bicycle accommodations and Specification 102-3.4 will be updated to clarify the definition of a "Bicycle Facility" (i.e., existing marked Bicycle Lane or a 4' or greater paved shoulder on non-limited access roadways). **Note Deleted.**

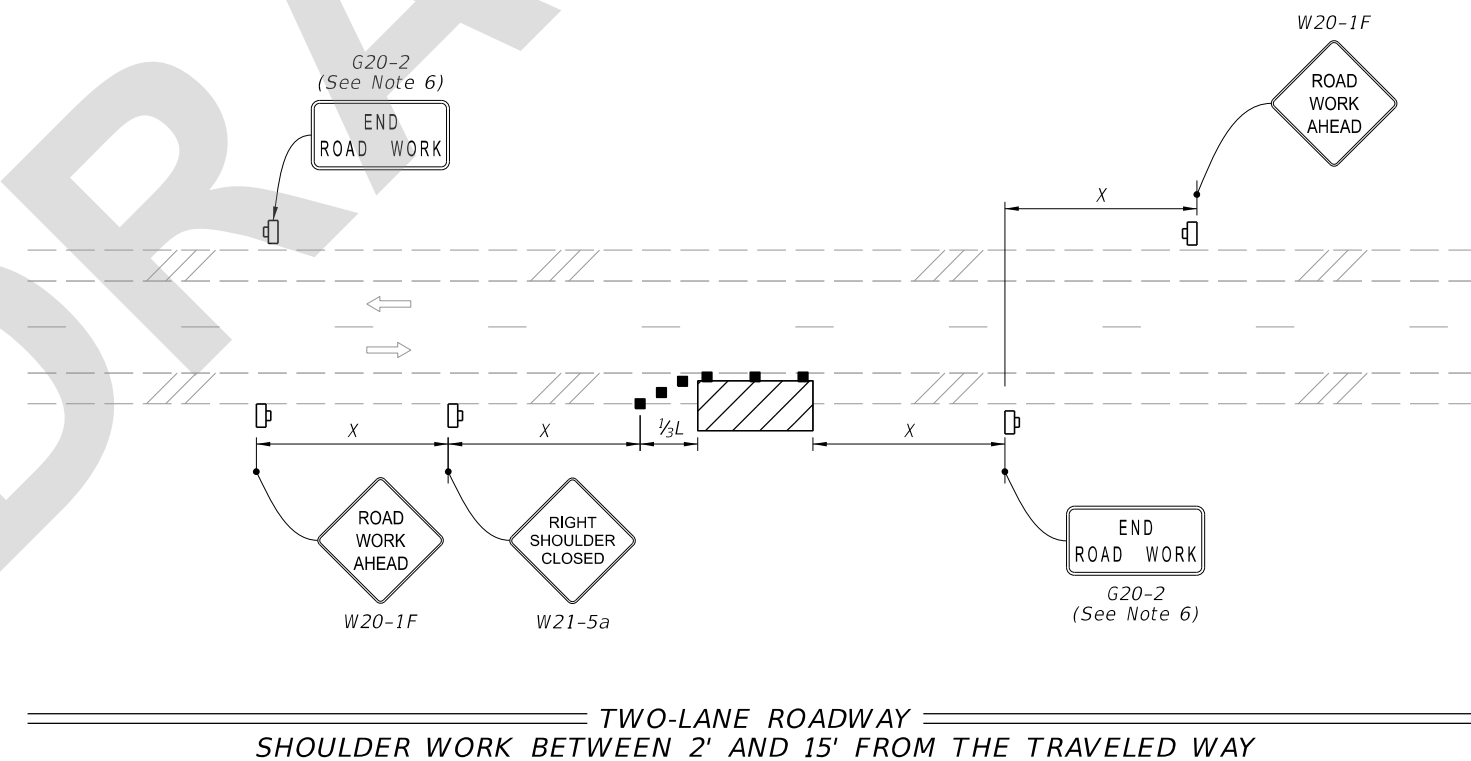
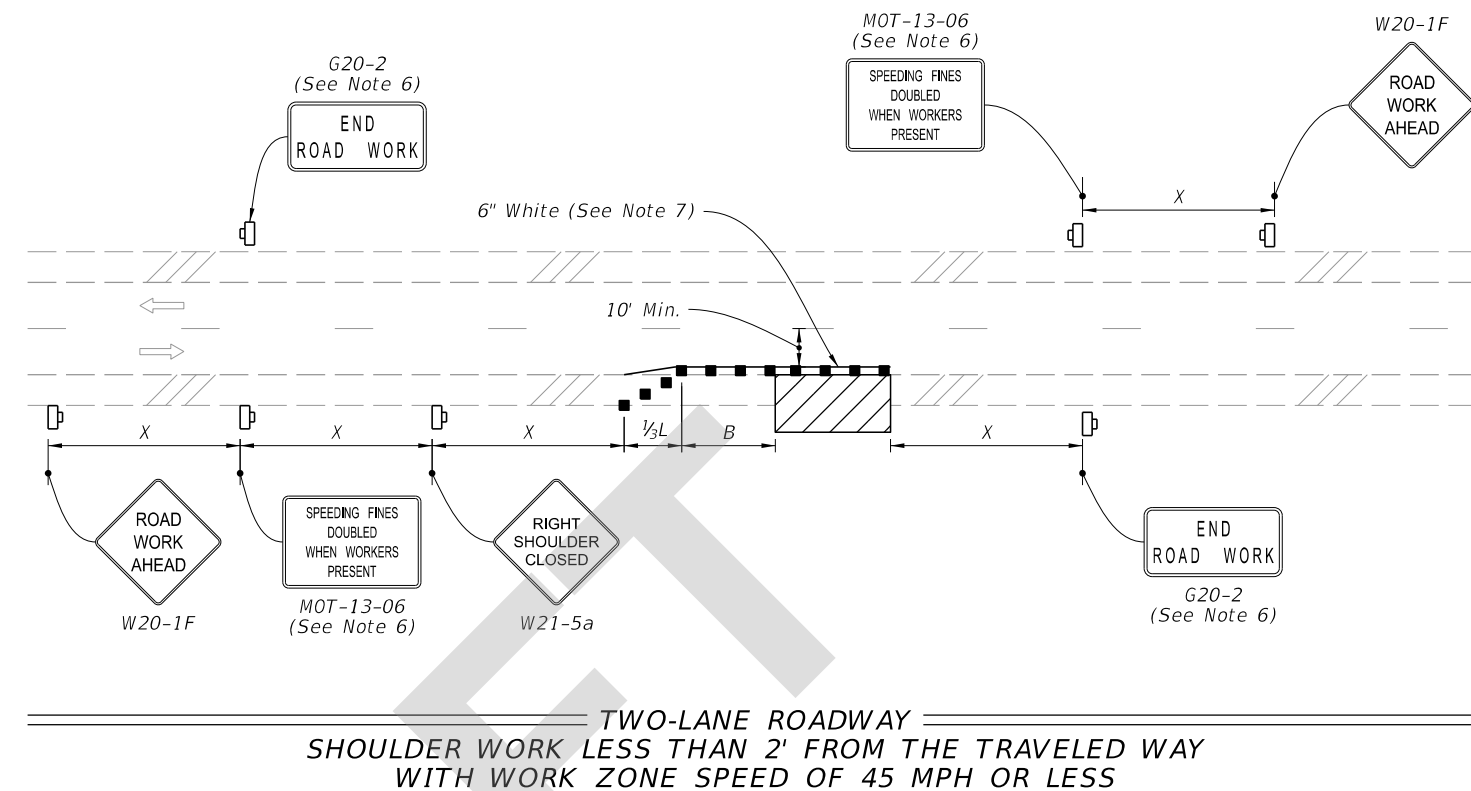
Date: 8/31/2021

NOTE:


1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
 X = Work Zone Sign Spacing
 B = Buffer Length
 See Index 102-600 for " L ", " X ", " B ", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. If the work encroaches on a marked bicycle lane or 4' or greater paved shoulder, close the lane or shoulder in accordance with the Plans.
9. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
10. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

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



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LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2022-23 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 1 of 2
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