

Temporary Mailbox Support Guidance 08/11/2009

Over the past few construction seasons, MDT has encountered some uniformity issues concerning the use of traffic control devices as temporary mailbox supports. The use of traffic control devices violates driver expectancy and creates an additional non-uniformity issue with those devices in work zone traffic control. Using traffic control devices for temporary mailbox support is a construction practice the Department is moving away from.

The Construction Engineering Services Bureau conducted research to develop an option for temporary mailbox supports. Development of this support system is an alternative for contractor use in construction zones. The new support creates uniformity throughout the construction zone, maintains driver expectancy with temporary traffic control devices, and provides a NCHRP 350 crashworthy device.

The following is the new Supplemental Specification 623 Mailboxes, dated 3-12-09:

623 MAILBOXES 3-12-09

Rescind Section 623 MAILBOXES and replace with the following:

SECTION 623 MAILBOXES

623.01 DESCRIPTION

This work is the removal, temporary reset and maintenance, and furnishing and installation of new mailboxes and crash-worthy supports at the specified locations or as directed.

623.02 MATERIALS

Furnish new mailboxes, measuring at least 6 1/2 inches wide x 7 1/2 inches high x 18 1/2 inches long (165 mm x 190 mm x 470 mm), not exceeding 10 pounds (4.5 kg) in weight that meet the Postal Service requirements for the designated location (area with or without curb and gutter). Furnish a crashworthy mailbox support as shown in the Detailed Drawings, a mailbox support identified in the current edition of the *AASHTO Guide for Erecting Mailboxes on Highways*, or other commercially manufactured NCHRP 350 compliant crashworthy mailbox support. Furnish a NCHRP 350 compliant crashworthy support for temporary resets of mailboxes. Do not use traffic control devices as mailbox supports.

623.03 CONSTRUCTION REQUIREMENTS

Reset and maintain all mailboxes specified by the project manager that are removed during construction. Temporary supports and locations must be approved by the Project Manager. Install permanent mailboxes and supports at the locations shown in the plans.

623.04 METHOD OF MEASUREMENT

Mailbox and support are measured as a unit. Removal, temporary resets and maintenance are not measured for payment.

623.05 BASIS OF PAYMENT

Payment for the completed and accepted quantities is made under the following:

Pay Item Pay Unit

Mailbox Each

Payment at the contract unit price is full compensation for all resources necessary to complete the item of work under the contract.

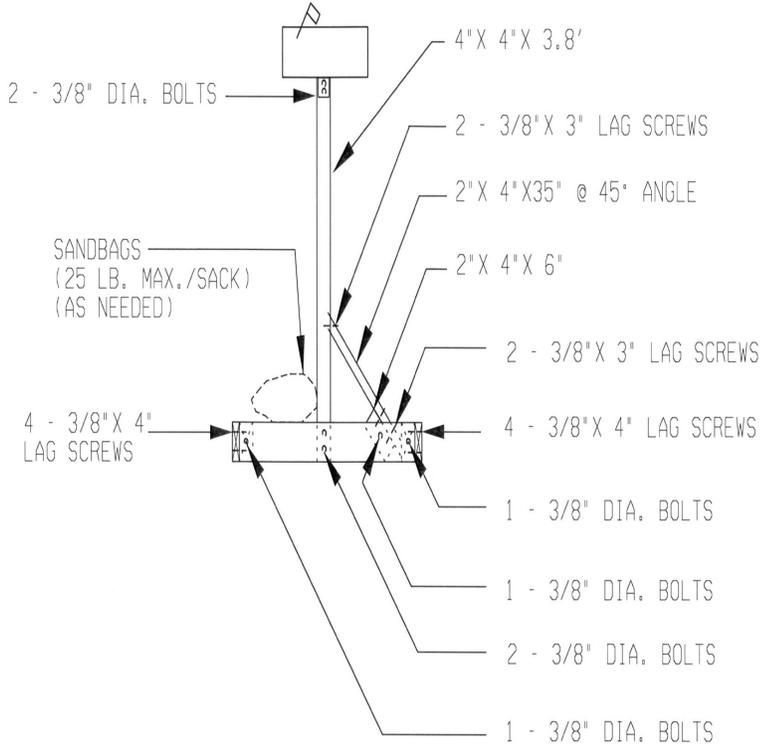
Attached is a Detailed Drawing describing the mounting system and hardware available for contractor use. This drawing is an alternative for contractor use; however, it is not a required device. As discussed in the Supplemental Specification, other options maybe approved for use if they are crashworthy approved.

If you have any questions or concerns please contact Jim Wingerter, Construction Traffic Control Engineer at 454-5897 (office) or 461-4663 (cell). Thank you for your help in implementing the new temporary support system.

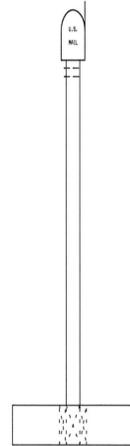
Jim Wingerter
Construction Engineering Services Bureau

TEMPORARY MAILBOX SUPPORT

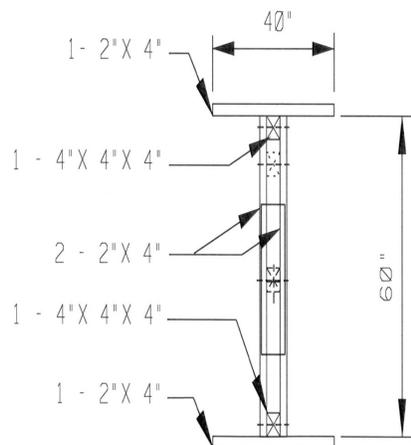
ELEVATION VIEW



FRONT VIEW



PLAN VIEW



- FOR THE POST USE EITHER DOUGLAS FIR OR HEM FIR, WHICH IS SURFACED FOUR SIDES (S4S) AND FREE OF HEART CENTER (FOHC).

NOTES

- THIS MOUNTING DEVICE IS INTENDED FOR USE IN CONSTRUCTION ZONES.
- BOLT PLACEMENT IS SYMMETRICAL THROUGHOUT MOUNTING BRACKET.
- ALL BOLT CONNECTIONS ARE FINISHED WITH A WASHER AND NUT.

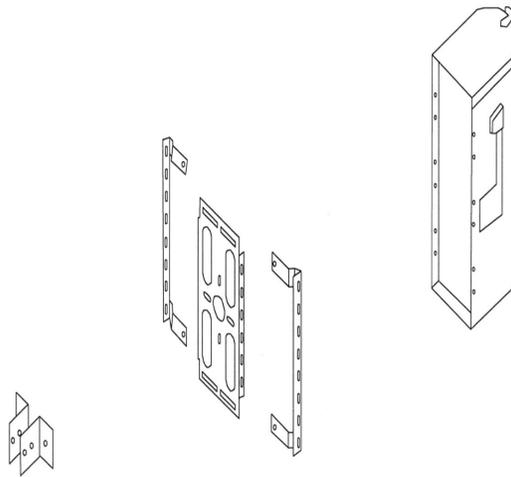
Montana Department of Transportation



TEMP MAILBOX SUPPORT	
DATE	BY
5/2009	BNB

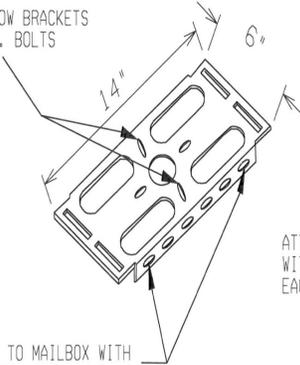
TEMPORARY MAILBOX SUPPORT - BRACKET DETAILS

MOUNTING SYSTEM



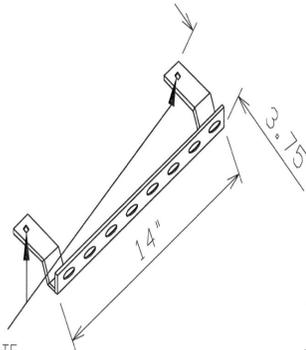
ATTACHMENT DETAILS

ATTACH TO ELBOW BRACKETS WITH 3/8" DIA. BOLTS

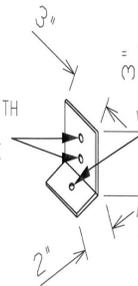


ATTACH TO MAILBOX WITH 5/16" DIA. BOLTS ON EACH SIDE

ATTACH TO BRACKET PLATE WITH 1/4" DIA. BOLTS ON EACH SIDE



ATTACH TO POST WITH 3/8" DIA. BOLTS GOING THROUGH THE WOODEN MEMBER



ATTACH TO BRACKET PLATE WITH 3/8" DIA. BOLTS

NOTES

- THIS MOUNTING DEVICE IS INTENDED FOR USE IN CONSTRUCTION ZONES.
- BOLT PLACEMENT IS SYMMETRICAL THROUGHOUT MOUNTING BRACKET.
- ALL BOLT CONNECTIONS ARE FINISHED WITH A WASHER AND NUT.

Montana Department
of Transportation



servicing you with pride

TEMP MAILBOX SUPPORT	
DATE	BY
5/2009	BNB