

MAPA Meeting – January 31, 2023

Recent and Upcoming Policy Changes

Engineering Policy Changes

1. EPG 616.8 Typical Applications – MoDOT has been working on updating several Typical Applications (TAs) primarily for maintenance operations. The TAs that have been revised for design and construction are: **TA-35** Mobile Operation on a Divided or Multi-Lane Highways and **TA-35a** Centerline and/or Lane Line Striping on Multi-Lane, Undivided Highways. These revisions will start to be incorporated into temporary traffic control plan sheets. There may be a lag period between MoDOT implementation and TAs being fully implemented into construction projects.

Work Within the Traveled Way of a Multi-Lane, Non-Access Controlled Highway (see EPG 616.7.12)			
Operations in Two-Way Left Turn Lane on Multi-Lane Undivided Highways	TA-30a	616.8.30a - DECM	Jan. 2016
Lane Closure Using Center Turn Lane - Lane Shift	TA-31	616.8.31 - DECM	Jan. 2016
Lane Closure on Alternate Passing Lanes	TA-31a	616.8.31a - DECM	Jan. 2016
Two-Lane Closure on a 5-Lane Undivided Highway	TA-32	616.8.32 - DECM	July 2016
Stationary Lane Closure on a Divided Highway	TA-33	616.8.33 - DECM	Jan. 2016
Lane Closure with a Temporary Traffic Barrier	TA-34	616.8.34 - DECM	July 2016
Lane Closure with Width and Lane Restrictions	TA-34a	616.8.34a - DECM	Jan. 2016
Mobile Operation on a Divided or Multi-Lane Highways	TA-35	616.8.35 - DECM	Jan. 2023
Centerline and/or Lane Line Striping on Multi-Lane, Undivided Highways	TA-35a	616.8.35a - DECM	Jan. 2023

2. EPG 401.2.6 Bituminous Base and Pavement Construction Inspection – the density requirement has now been clarified to be within 8” of an unconfined longitudinal joint.

The minimum density requirement of all traveled way pavement within 8 in. of an **unconfined** longitudinal joint is 90.0%. This includes the pavement on the traveled way side of an **unconfined** shoulder joint. Once the contractor establishes a roller pattern that produces the required density, testing may be waived if no deficient cores are found in the first 25 percent of production with approval from the RE. Density testing will again be required at any time that changes in the material, mix temperatures, or roller pattern are made. Pay adjustments due to longitudinal joint density apply to the production period from which the cores are obtained and to the full width of the lane.

3. EPG 147.3 Job Order Contracting – All JOCs for 2023 have been updated. There are links in EPG 147.3 to all the JOCs. Changes to the asphalt repair JOC include: removed nighttime factor (only one factor now), Environmental Review Requirement has been removed, and basically reorganized. This is effective for 2023 calendar year projects.

4. EPG 101 Standard Forms and EPG 642.8 Sidewalk Design Criteria – The ADA Checklist has been updated to require the Resident Engineer and Contractor to sign the checklist indicating the checklist is complete and ADA construction is compliant. Effective March 1, 2023.

5. ADA Checklist – The checklist now includes signature lines for the Resident Engineer and Contractor.

Job Special and General Provision Changes

1. Disadvantage Business Enterprises (DBE) Program Requirements – Section 13.1 was added to require monthly DBE Reporting until DBE payments on the contract are complete. Effective April 1, 2023.

2. Flagging Procedure for Two-Lane Roadways (3-2-1 Cone Procedure) – This was formerly a JSP and has now been incorporated into the General Provisions. This now makes the procedure a requirement on all two-lane roadways. Effective April 1, 2023.

3. JSP-10-01 ADA Compliance and Final Acceptance of Constructed Facilities – The JSP points out the ADA checklist is not all inclusive and requires changes from the design plans to be in writing. Effective March 1, 2023.
4. JSP-22-02 Guardrail Posts in Concrete – This JSP used when guardrail will be installed or removed from concrete surfaces and drain basins. This allows compensation for additional work that may be required. Effective February 1, 2023.
5. JSP-22-01 Lump Sum Temporary Traffic Control – This JSP has been made standard for consistent statewide use. This JSP has been use Effective February 1, 2023.

Standard Specification Changes

1. Sec 401.7.6 Joints – this is in conjunction with changes to EPG 401.2.6. This revision clarifies the density related to joints is an unconfined longitudinal joint.

401.7.6 Joints. The minimum density of all traveled way pavement within 8 inches of an unconfined longitudinal joint, shall be no less than 2.0 percent below the specified density. The cores taken to evaluate this area shall be centered 6 inches from the unconfined longitudinal joint. If no deficient cores are found in the first 25 percent of production, the established rolling procedure may be used, at the direction of the engineer, in lieu of density tests provided no changes in the material, typical location or temperatures are made. Pay adjustments due to unconfined longitudinal joint density shall apply to the full width of the lane paved. Adjustments due to joint density shall apply to the day's production from which the cores are obtained. Transverse joints shall be formed by cutting back on the previous run to expose the full depth of the layer. When a transverse vertical edge is to be left in place and opened to traffic, a temporary depth transition shall be constructed as approved by the engineer. The longitudinal joints in one layer shall offset those in the layer immediately below by approximately 6 inches. The joints in the final surface layer shall be at the lane lines of the traveled way, except that the placement width shall be adjusted such that pavement marking shall not fall on a longitudinal joint. Each side of the joint shall be flush and along true lines.

2. Sec 403.23.7.4.3 Single Lift on Unmilled Surface or Leveling Course Work – This section is being revised to clarify that the density pay factor will be included in PWL calculations for single lift overlays on milled surfaces.

403.23.7.4.3 Single Lift on Unmilled Surface or Leveling Course Work. For resurfacing projects specifying a single lift on an un-milled surface, surface mixture of 3,000 tons or more, or for leveling course work, the following shall apply to the traveled way mixture. All bituminous mixture QC/QA requirements shall apply, except the density pay factor designated in Sec 403.23.7.2 will not be directly included in the total pay factor. In lieu of that, one density sample shall be taken per subplot and the pay adjustment for density will be made using the table in Sec 403.23.7.4.1(b).

Standard Plan Changes (see plan sheets at the end of this document)

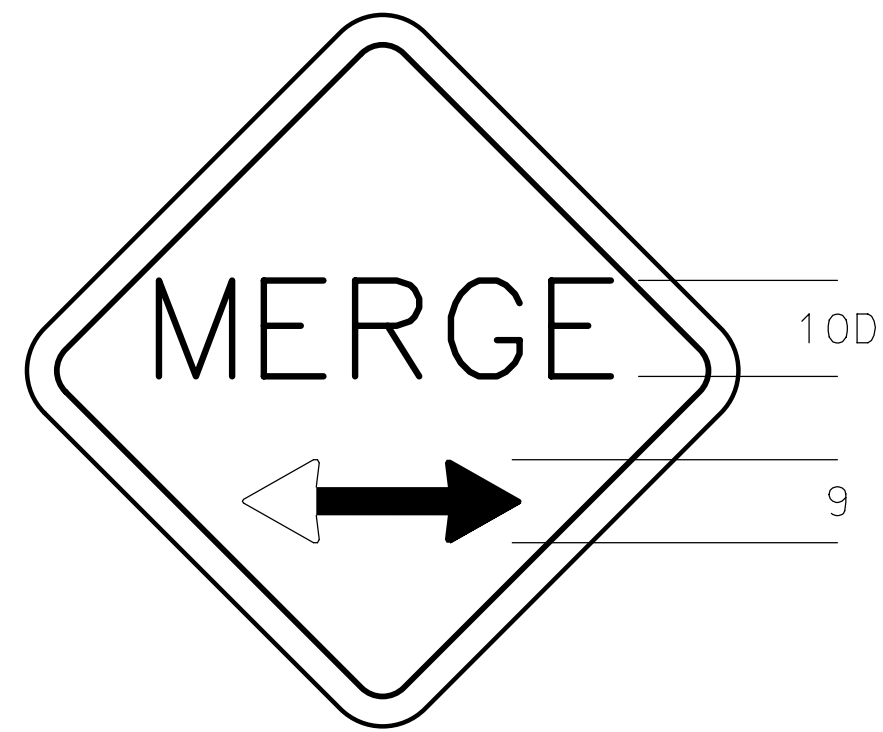
1. Std. Plan 616.10 sheet 8, the corrugated plastic entrance signs formerly shown in NJSP-18-03 Pilot Car in Use – Wait and Follow, are now included in the standard plans. The sign is to be used at private and commercial entrances within the limits of the project/construction. This sign is incidental to other traffic control items.
2. Std. Plan 903.03 sheet 7, the post and anchor data table has been removed and placed in the EPG. The following note was added to the rearranged barrier wall mounting detail: “Furnishing and installation of barrier wall post anchor for PSSS shall be paid per each as concrete post anchor.”
Sheet 12, in the delineator connection detail, changed the bracket fastener locations to be one inch from edge and corrected the left-hand side of one way traffic delineator symbol/color from white to yellow.

Upcoming/Future Revisions

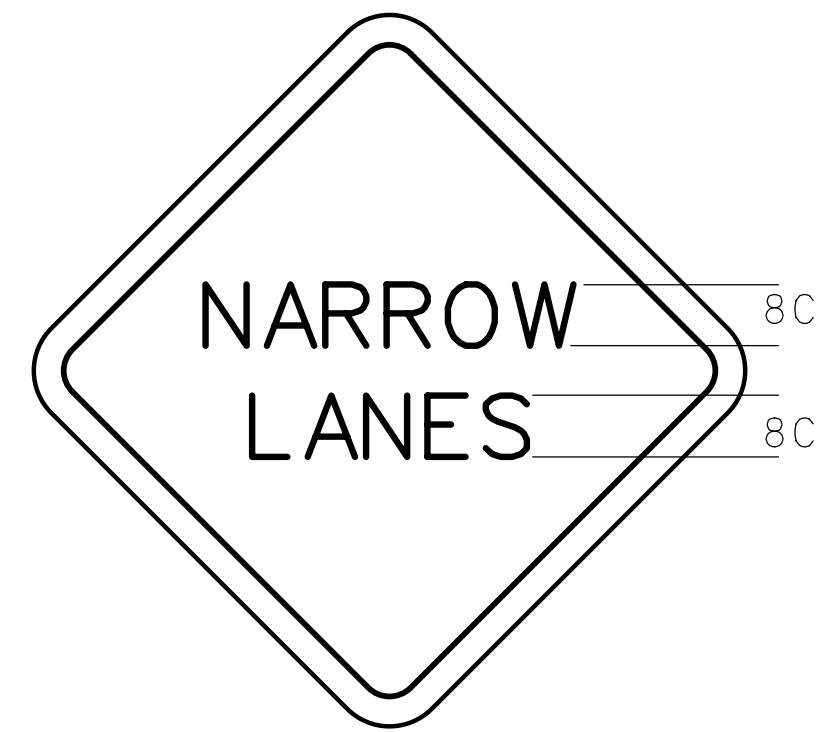
1. None at this time

Miscellaneous Changes

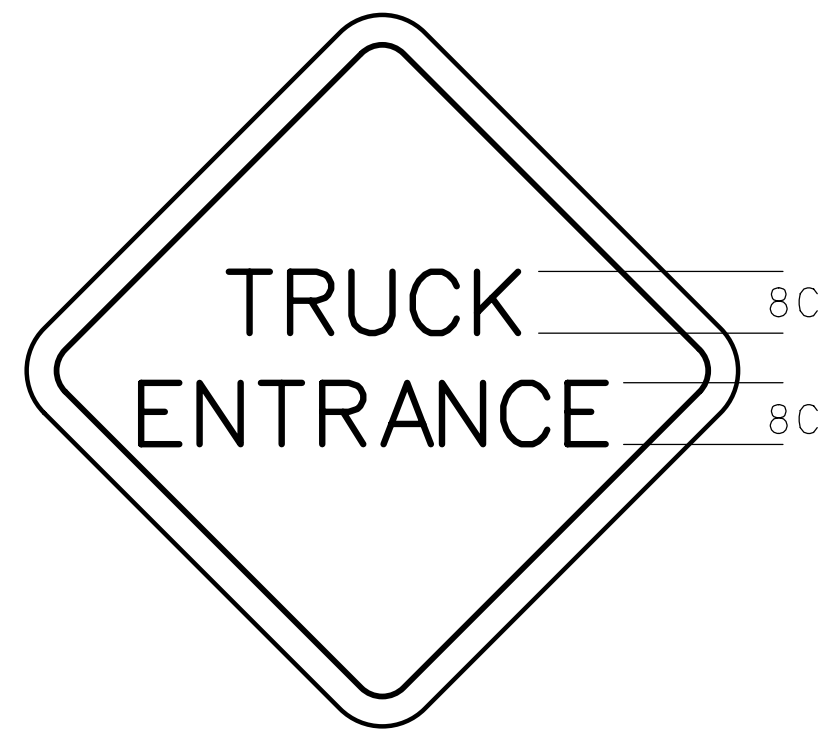
1. Bulletin Board Posters – the Federal Aid bulletin board posters have recently been updated. Please go to Forms for Contractor’s Use at: www.modot.org/forms-contractor-use



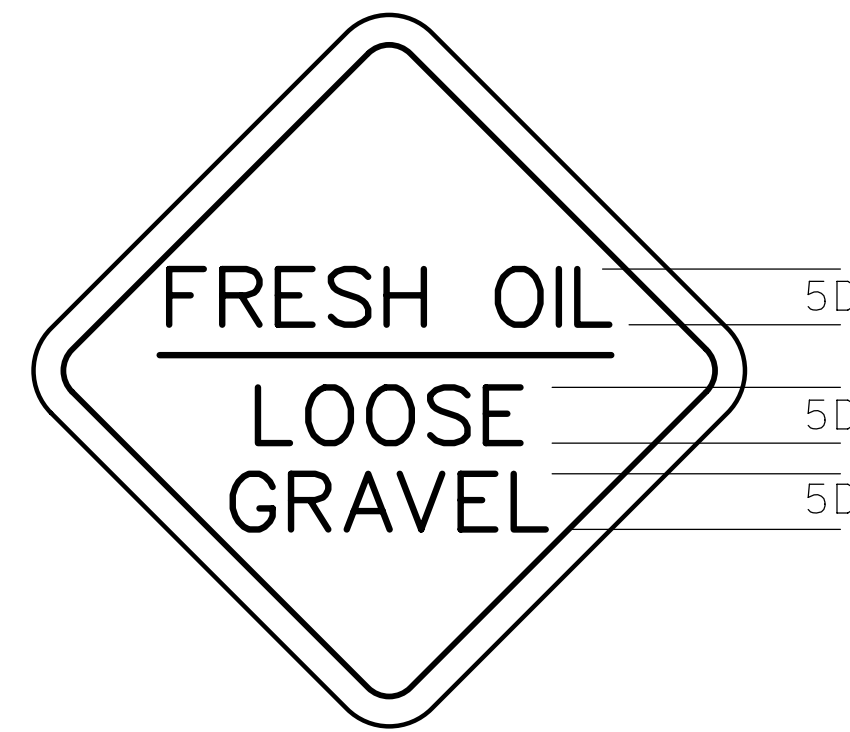
W04-1a



W05-5 (3)



W08-6c (3)



W08-7a (3)

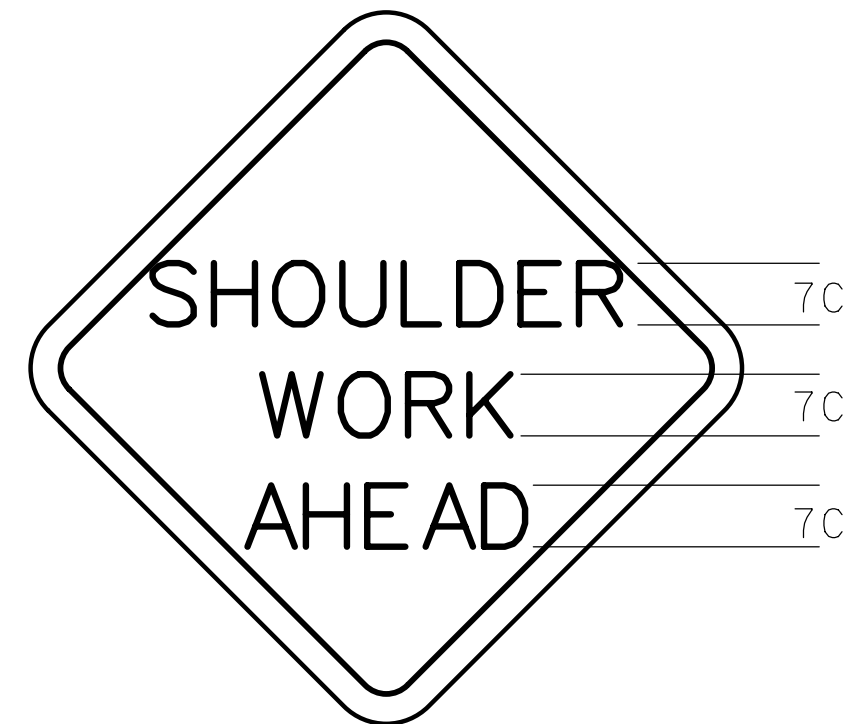
- (1) SIGN DEPICTION, ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.
- (2) REFER TO THE LATEST EDITION OF MUTCD PART VI BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA FOR SIGN DEPICTION. ARROW, BORDERS AND SPACING SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.
- (3) ARROW, BORDERS AND SPACING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA.
- (4) USE OF A SUPPLEMENTAL PLATE FOR LINE 1 IS ACCEPTABLE.
- (5) PLAQUE AND APPLICABLE REGULATORY SIGN MAY BE MANUFACTURED AS ONE SIGN.



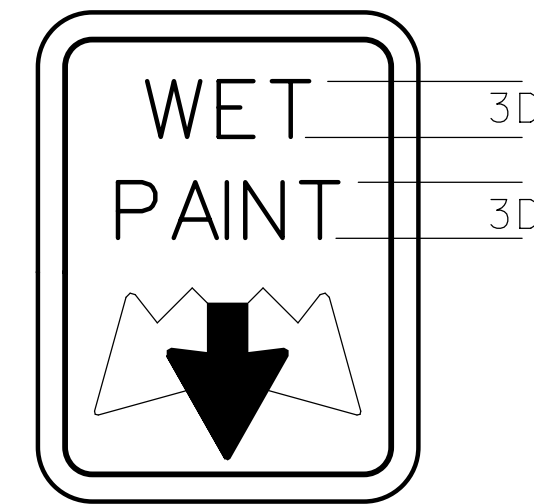
W012-4 (3)



W020-6a (3)(4)



W021-5 (3)



G022-1 (3)



W012-5 (3)

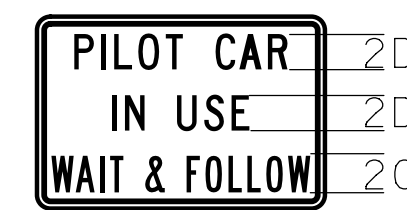
* SHALL ONLY BE USED AT PRIVATE AND COMMERCIAL ENTRANCES TO ENHANCE THE WORK ZONE SIGNING AND WILL NOT BE PERMITTED FOR USE ON INTERSECTING STATE, COUNTY OR CITY ROADS. SIGN SHALL BE PRINTED ON 4MM CORRUGATED PLASTIC OR SIMILAR AND SUPPORTED WITH A 10"x30" 9-GAUGE GALVANIZED STEEL H-FRAME OR SIMILAR. COST OF SIGNS AND STANDS IS INCIDENTAL TO OTHER TRAFFIC CONTROL ITEMS.

18X12
NON-STATE ROUTE

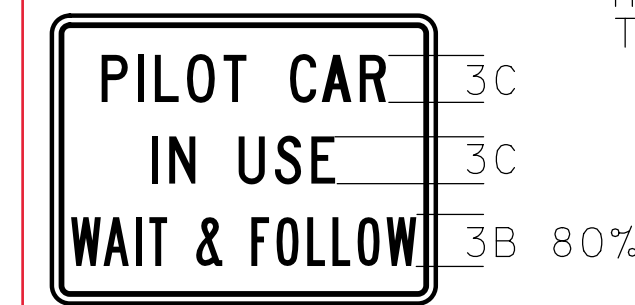
24X18 *
ENTRANCE



G020-4 (3)



18X12
NON-STATE ROUTE



24X18 *
ENTRANCE

GENERAL NOTES:

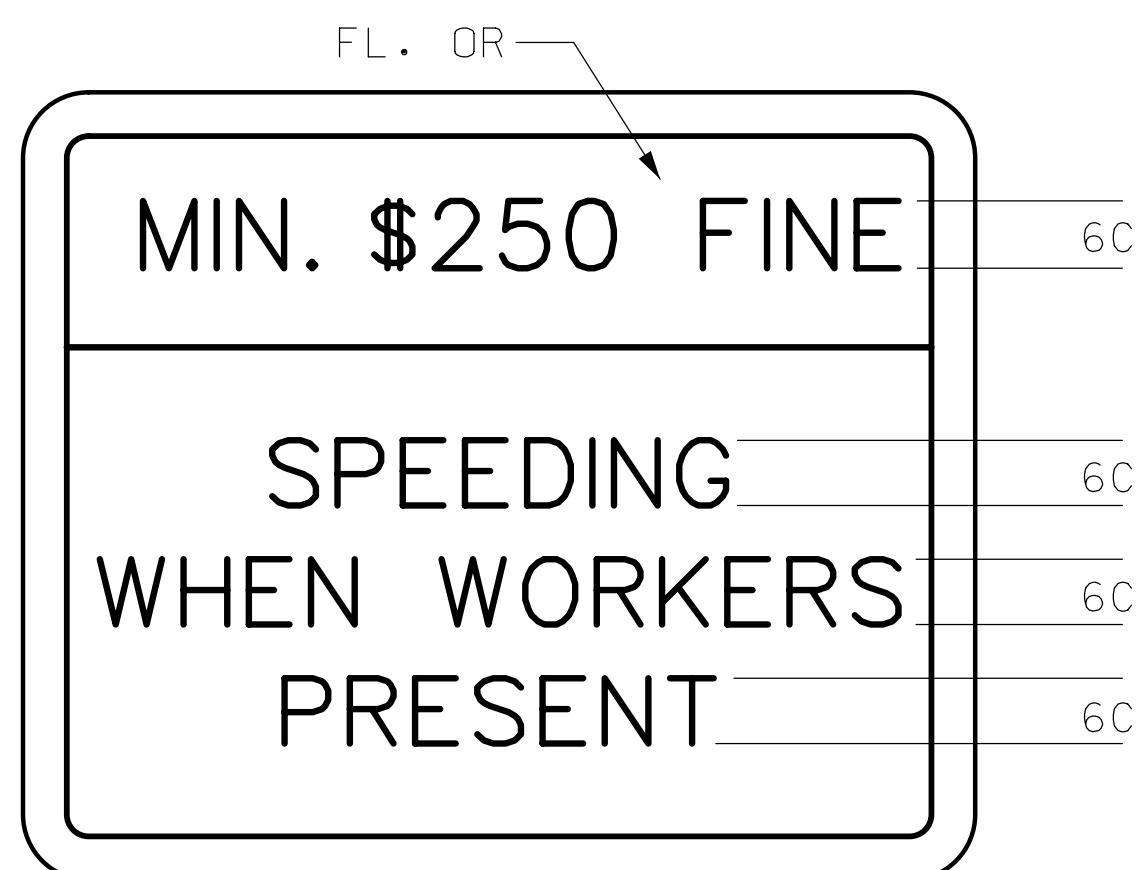
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD HIGHWAY SIGNS" BY THE U.S. DEPARTMENT OF TRANSPORTATION - FHWA, UNLESS SPECIFIED OTHERWISE.

SIGN DIMENSIONS SHOWN ARE MINIMUM. NO ADDITIONAL PAYMENT WILL BE MADE IF CONTRACTORS USE LARGER SIGNS.

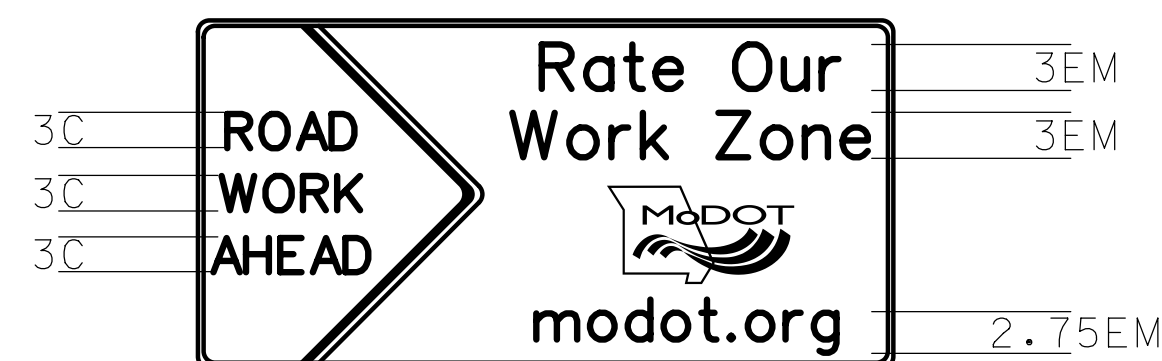
NO ADDITIONAL PAYMENT WILL BE MADE FOR PLATES.

ALL PLAQUES SHALL HAVE A BORDER. PLATES SHALL NOT HAVE A BORDER.

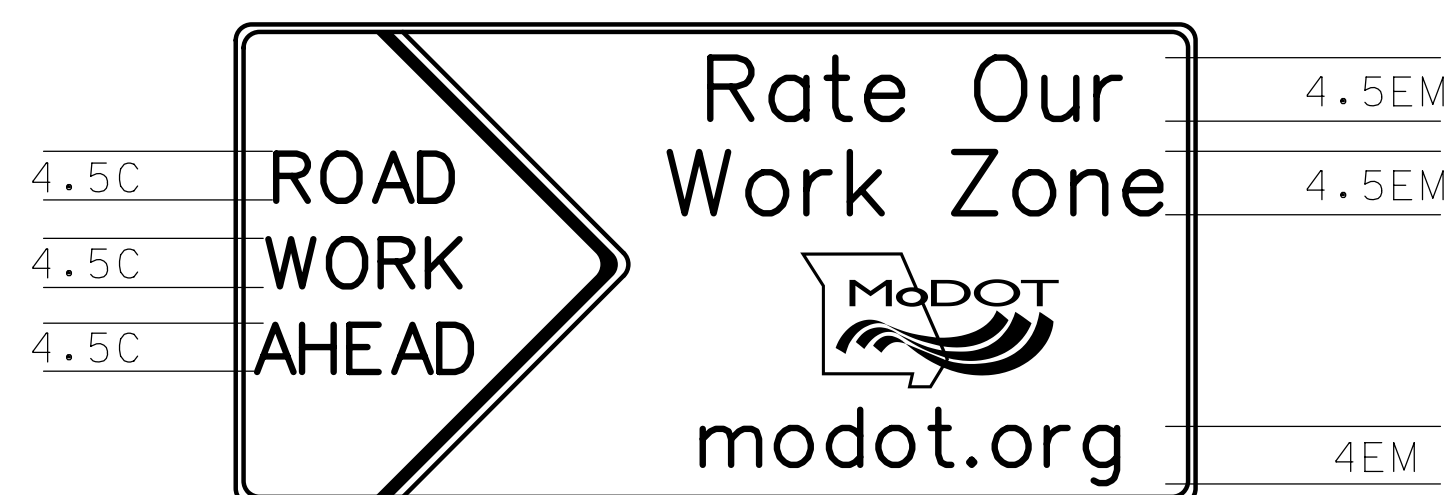
LETTER DIMENSIONS SHALL BE AS SHOWN.



CONST-3A (3)

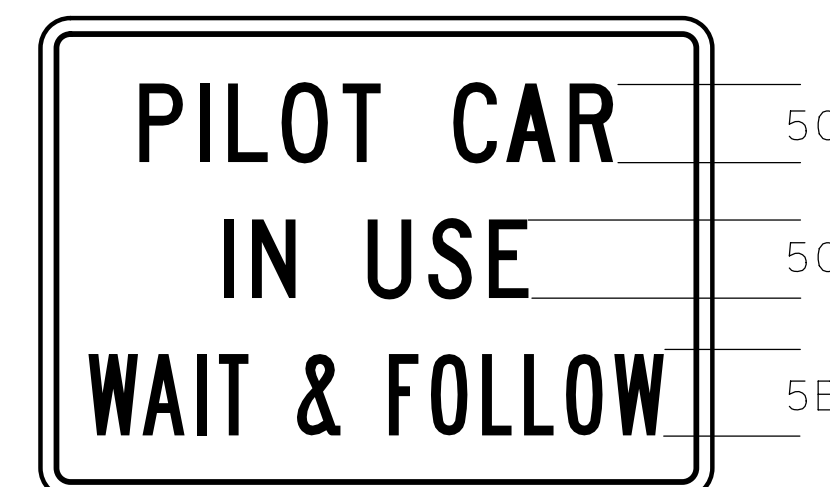


48X24



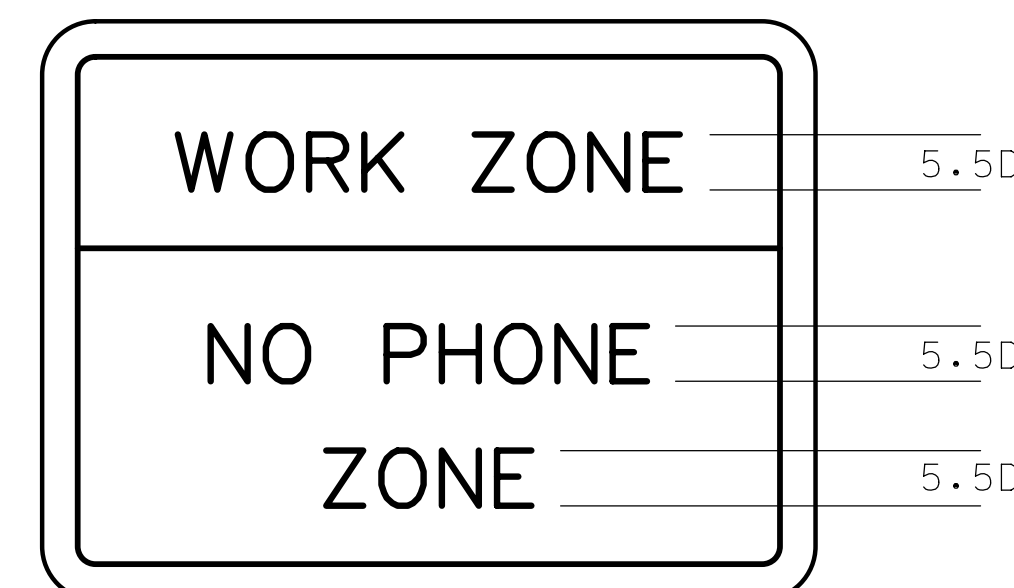
72X36

CONST-7



42X30
STATE ROUTE

G020-4a (3)



CONST-8 (3)



CONST-3X (3)

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

TEMPORARY TRAFFIC CONTROL DEVICES

DATE EFFECTIVE: 4/1/2023
DATE PREPARED: 1/13/2023

616.10BB

SHEET NO.
8 OF 9

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

