

SP00225 (2015 Specifications: [44-12-01-16](#))

(This Section requires SP02910. Requires SP02190 when temporary traffic signals are required. Requires SP02926 when temporary LED illumination is required.)

(NOTE: All Federal-aid projects, including local government projects, that are advertised and awarded by ODOT require "Method 'A' Unit Basis" measurement [see Standard Specifications 00225.80].)

SECTION 00225 - WORK ZONE TRAFFIC CONTROL

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and Senior Specifications Engineer for review and approval.)

Comply with Section 00225 of the Standard Specifications modified as follows:

00225.01(c) Standards - Add the following bullet to the end of the bullet list:

- ODOT "Traffic Control Plans Design Manual", available on the ODOT Traffic Control Plans Unit website.

00225.02 General Requirements - In the paragraph that begins "Work may be suspended...", replace the sentence that begins "Costs for work performed..." with the following sentence:

Costs for work performed by the Agency may be deducted from monies due the Contractor.

(Use the following lead-in paragraph when adding any of the following paragraphs to subsection .02.)

Add the following to the end of this subsection:

(Use the following paragraph when construction trucks will be leaving or entering the roadway.)

Install a 54 inch "TRUCKS LEAVING HIGHWAY XXXX FT" sign in advance of each entrance point to the work area at sign spacing "A" from the "TCD Spacing Table" shown on the standard drawings. Install a 54 inch "TRUCKS ENTERING HIGHWAY XXXX FT" sign in advance of each exit point from the work area at sign spacing "A" from the "TCD Spacing Table" shown on the standard drawings.

(Use the following paragraph when requested by the Local Agency or when the project is located on ODOT right-of-way and meets one or more of the following criteria:

- *Project is on a freeway.*
- *An engineer's estimate of \$5 million or more.*
- *Project duration longer than one year.*
- *Other high-profile projects as determined by the ODOT Region or Local Agency.*

The Project Identification sign is normally only applied to the project mainline. Limit placement of additional signs on crossroads to other State highways or roads with ADT > 5,000. Fill in the blank.)

Install a Type "W8" "PROJECT IDENTIFICATION" (CG20-8) sign with an "ODOT" logo rider on the _____ Highway. Place the sign according to sign spacing "A" from the "TCD Spacing Table" shown on the standard drawings or as modified by the supplemental drawings, in advance of the "ROAD WORK AHEAD" sign at each end of the Project, facing incoming traffic. The Engineer will determine the sign legend.

(Use the following two paragraphs when using initial "ROAD WORK AHEAD" and "END ROAD WORK" signing. Fill in the blank.)

Install "ROAD WORK AHEAD" (W20-1-48) signs with "FINES DOUBLE" (R2-6-36) rider on the _____ Highway, according to the "TCD Spacing Table" shown on the standard drawings or as modified by the supplemental drawings except do not install the "FINES DOUBLE" rider on concrete barrier mounted signs.

Install beyond each end of the Project, facing outgoing traffic, an "END ROAD WORK" (CG20-2A-24) sign a distance of $(A \div 2)$ according to the "TCD Spacing Table" shown on the standard drawings or as modified by the supplemental drawings.

(Use the following paragraph when it is necessary to reduce the overall roadway width between positive barriers [for example: concrete barrier, guardrail, and falsework] to less than 19 feet.)

When the horizontal clearance for the roadway is less than 19 feet, install horizontal clearance (CW21-12-48) signs, identifying the narrowest width of the roadway. Locate these horizontal clearance signs as shown or as directed.

(Use the following paragraph when it is necessary to reduce the overall vertical clearance to less than 15 feet 6 inches.)

When the vertical clearance is less than 15 feet 6 inches, install low clearance (W12-2-48) and (OW12-2-36) signs. The clearance shown on the signs shall be 4 inches less than the shortest height of the opening. Locate these low clearance signs as shown or as directed.

(Use the following paragraph on 2 mile long or longer freeway projects when sign flag boards are required to enhance the visibility of the signs.)

On freeway post mounted signs, install two sign flag boards, as shown on the standard drawings, above the "ROAD WORK NEXT XX MILES" (CG20-1) signs and the initial "ROAD (or BRIDGE) WORK AHEAD" (W20-1-48) signs.

(Use the following paragraph and bullets on projects that include a detour route.)

Install two sign flag boards, as shown on the standard drawings, above the following detour and road closed advance warning signs, where applicable:

- "DETOUR AHEAD", "DETOUR XXXX FT", "DETOUR X/X MILE" (W20-2) signs.
- "ROAD CLOSED AHEAD", "ROAD CLOSED XXXX FT", "ROAD CLOSED X/X MILE" (W20-3) signs.

00225.10 General - In the paragraph that begins "Evaluate the condition...", replace the first sentence with the following sentence:

Evaluate the condition of TCD using the criteria shown in the most current version in effect of the American Traffic Safety Services Association (ATSSA) publication titled "Quality Guidelines for Temporary Traffic Control Devices and Features", available from the ATSSA website at www.atssa.com.

(Use the following subsections .11(c-1) when temporary signs are required.)

00225.11(c-1) Temporary Signs - Replace the bullet that begins "Type 2 riprap geotextile..." with the following bullet:

- Geotextile fabric

(Use the following subsection .17 when flagger station lighting is required.)

00225.17 Flagger Station Lighting - Add the following paragraph to the end of this subsection:

In addition to the products listed on the QPL, tripod mounted or cart mounted flagger station lights that were purchased on or before January 1, 2014 and that were on the QPL before January 1, 2014 may also be used. Provide proof of the original purchase date to the Engineer.

(Use the following subsection .29 when a pilot car is required.)

00225.29 Pilot Cars - Replace the bullet that begins " No smaller than..." with the following bullet:

- No smaller than a compact pickup truck.

00225.32 Traffic Control Supervisor -

(Use the following TCS Language when the bid schedule contains an item for a TCS.)

[Begin TCS Language.]

In the paragraph that begins "The TCS duties include the...", replace the first two bullets with the following bullets:

- Monitor work zone traffic control measures, operations, activities, and conditions, including lane closures, lane or traffic shifts, detours, flagging operations, rolling slowdowns, and temporary traffic signal work.
- Review all applicable requirements of the Contract to ensure the convenience, safety and orderly movement of motor vehicle, bicycle, and pedestrian traffic.

In the paragraph that begins "The TCS duties include the...", replace the bullet that begins "Submit stamped working drawings that include..." with the following bullet:

- If the Contractor is using a modified Agency TCP or not using the Agency TCP, ensure stamped working drawings that include the revisions are submitted according to 00225.05 and 00150.35.

In the paragraph that begins, "The TCS duties include the...", replace the bullet that begins "Provide supervision and oversight..." with the following bullet:

- Provide oversight in maintaining all TCM on the Project Site.

[End TCS Language.]

Replace the paragraph that begins "Do not designate the Project Superintendent..." with the following paragraph:

When the bid schedule includes an item for a TCS, do not designate the Project superintendent as the TCS.

(Use the following subsection .41(b-4) when temporary sign supports are required.)

00225.41(b-4) Temporary Sign Supports - Replace the bullet that begins "Do not tip over TSS..." with the following bullet:

- Do not tip over any TSS that is exposed to traffic, unless approved by the Engineer or the TSS is protected from traffic by a barrier system.

00225.41(c) Sign Flag Boards and Sign Flags - Replace this subsection, including subsections 00225.41(c-1) and 00225.41(c-2), with the following subsection:

00225.41(c) Sign Flag Boards - Install two sign flag boards, as shown or specified.

00225.41(e) Inconsistent Temporary Signs - Replace the paragraph that begins "Ensure that all temporary..." with the following paragraph:

Ensure that all temporary signs are properly used and consistent with the work zone. Cover all inconsistent temporary signing until the sign messages are applicable to the Work that is beginning. When signage is no longer required for staging or shift Work, remove all temporary signs, sign flag boards, supports, sign covers, and ballast associated with the staging or shift Work.

(Use the following subsection .45(b-1) when portable traffic signals are required in locations without available cellular phone service.)

00225.45(b-1) Location and Set-up - Replace the bullet that begins "Provide cellular or other immediate..." with the following bullet:

- Provide a method for immediate failure notification.

(Use the following subsection .62(b) when temporary impact attenuators are required.)

00225.62(b) Temporary Impact Attenuators - In the paragraph that begins "Complete repair of damaged..." replace the last sentence with the following sentence:

Complete repair of damaged narrow site systems within 6 hours of discovering or being notified of the damage.

(Use the following subsection .88 when the bid schedule contains an item for a TCS.)

00225.88 Traffic Control Supervisor - Replace this subsection, except for the subsection number and title, with the following:

The quantities of the TCS will be measured on the unit basis, and will be measured when a Traffic Control Inspection Report is submitted according to 00225.32 and one or more of the following occur:

- Work is performed in roadways or shoulders of roadways with an ADT greater than 10,000.
- TCS performs duties described in 00225.32 as requested by the Engineer.

A maximum quantity of two TCS will be allowed for each 24 hour period. A maximum of one TCS will be allowed for a single construction work shift unless otherwise approved.

(Use the following subsection .96 when sequential arrow signs or PCMS are required.)

00225.96 Temporary Electrical Signs - Replace the paragraph that begins "Items (a) and (b)..." with the following paragraph:

Items (a) and (b) include furnishing, mounting, operating, moving, and removing signs and supports, regardless of whether the signs are mounted on supports, trailers, vehicles, or equipment.

(This page is only used to provide a list of standard drawings to the specification writer for listing on the plan title sheet. Remove this page before advance and final.)

NUMBER OF TRAFFIC CONTROL PLAN SHEETS: _____

(Add or delete Standard Drawings, as applicable.)

To be accompanied by Standard Drawings:

- RD410 Guardrail Parts (Thrie Beam)
- RD420 Energy Absorbing Terminal
- RD425 Non Energy-Absorbing Terminal 3' or 4' Flare

- RD500 Precast Concrete Barrier Pin and Loop Assembly
- RD510 Concrete Barrier Terminal
- RD530 Guardrail Transition to Concrete Barrier
- RD535 Concrete Barrier (Modified) Around Median Obstacle
- RD545 Precast Tall (42") Concrete Barrier
- RD560 Cast-in-Place Tall Barrier Transition to Standard Concrete Barrier

- BR203..... Transition Concrete Bridge Rail to Guardrail

- TM204 Flag Board Mounting Details
- TM211 Signing Details US & Interstate Route Shields
- TM212 Signing Details Oregon Route Signs
- TM570 Traffic Delineators
- TM575 Traffic Delineator Installation for Freeways
- TM576 Traffic Delineator Installation for Non-Freeways
- TM670 Wood Post Sign Supports
- TM671 3 Second Gust Wind Speed Map
- TM677 Sign Mounts
- TM681, TM687, TM688... Perforated Steel Square Tube (PSST)Sign Support Installation and Foundation
- TM800 Tables, Abrupt Edge and PCMS Details
- TM810 Temporary Pavement Markers
- TM820 Temporary Barricades
- TM821, [TM822](#)..... Temporary Sign Supports
- TM830 Temporary Concrete Barrier & Rumble Strip Details
- TM831, TM832, [TM833](#)... Temporary Impact Attenuators
- TM840 Closure Details
- TM841 Intersection Work Zone Details
- TM842 Signalized Intersection Details
- TM843 Multi-Lane Signalized Intersection Details
- TM844 Temporary Pedestrian Access Routing
- TM850 2 Lane, 2-Way Roadways
- TM851, TM852, TM853... Non-Freeway Multi-Lane Sections
- TM860, TM861, TM862... Freeway Sections
- TM870 Bridge Construction
- TM871 Blasting Zones
- TM880 Freeway or Divided Highway Speed Reduction (Paving Operations)

