

SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include them in the project but make necessary modifications to only include project specific specifications. Delete specifications that do not apply to the project.)

Comply with Section 00220 of the Standard Specifications modified as follows:

(Use the following subsection .02 lead-in paragraph when adding bullets.)

00220.02 Public Safety and Mobility - Add the following bullets to the end of the bullet list:

(Use the following bullet when the pre-construction speed is greater than 35 mph and there is trench excavation or other excavation work to be performed.)

- When performing trench excavation or other excavation across or adjacent to a travel lane on a roadway having a pre-construction posted speed greater than 35 mph, backfill the excavation, install surfacing, and open the roadway to traffic by the end of each work shift. Install a "BUMP" (W8-1-48) sign approximately 100 feet before the backfilled area and a "ROUGH ROAD" (W8-8-48) sign approximately 500 feet ahead of the "BUMP" sign. If this requirement is not met, maintain all necessary lane or shoulder closures and provide additional TCM, including flagging, at no additional cost to the Agency. Do not use temporary steel plating to reopen the roadway.

(Use the following bullet when existing walkways or bikeways may be affected by the installation of work zone signs.)

- Do not place work zone signs or supports that will block existing walkways or existing bikeways.

(Use the following bullets when automated flagger assistance devices are required.)

- Notify the Engineer, in writing, at least 14 calendar days in advance of using an automated flagger assistance device (AFAD). Include in the notification the following information:
 - The AFAD specifications from the manufacturer.
 - The TCP for the work zone incorporating the AFAD with times, dates, location, and duration of operation.

00220.40(e) Lane Restrictions - Replace the paragraph that begins "Do not close any..." with the following paragraph:

Do not close any traffic lanes and remove all barricades and objects from the roadway during the following periods:

(Use the following lead-in paragraph, and subsections (1) and (2) only when modifying lane restrictions. Submit a Traffic Analysis Work Request Form to the Region Traffic Office for the lane restrictions. It's available on the web at <http://www.oregon.gov/ODOT/HWY/TS/resources.shtml>)

Replace subsections (1) and (2) with the following:

(1) Weekdays:

- Between ____ a.m. and ____ a.m. and between ____ p.m. and ____ p.m. Monday through Thursday
- Between ____ a.m. and ____ a.m. Friday morning

(2) Weekends - Between ____ p.m. on Friday and midnight on Sunday.

(Use the following subsection (4) to list special events. List the names, times, and dates of the events.)

(4) Special Events - Add the following to the end of this subsection:

The following special events will occur during this Project:

- _____

(Use the following lead-in paragraph when adding either of the following subsections .40(f) or .40(g). Remove the "(s)" or remove the parentheses as needed.)

Add the following subsection(s):

(Use the following subsection .40(f) when blasting or when erecting bridge girders or sign structures. Contact Traffic Analysis Unit for designated peak hours. Delete non-applicable items in the first sentence. Do not change the subsection alpha character (keep it "(f)".)

00220.40(f) Limited Duration Road Closure - The Contractor will be permitted to close all travel lanes for periods not to exceed 20 minutes in duration during blasting or erecting bridge girders and sign structures over the travel lanes. This work will only be permitted between the hours of _____ and _____.

Succeeding roadway closures will not be allowed until traffic clears from a preceding closure.

(Use the following subsection .40(g) when the Rolling Slowdown Method is used to temporary close travel lanes. Use only on full access controlled highways. Obtain the information from the Traffic Control Designer. Include a Pilot Car pay item when using this insert. Do not change the subsection alpha character (keep it "(g)".)

00220.40(g) Road Closure Using Rolling Slowdown Method (RSM) - The Contractor will be permitted to use a RSM for slowing traffic and closing all travel lanes on the _____ Highway for periods not to exceed 20 minutes while _____ (specify type of work here) _____. This work will be allowed only between _____ p.m. and _____ a.m.

Provide written notification to the Engineer and all affected emergency services at least 14 days before using the RSM. Calculate the location where the pilot cars will begin the RSM and the speed at which the pilot cars will travel to accommodate the needed time to complete the work within 20 minutes.

Perform a RSM by using one pilot car for each lane to be slowed. Use only pilot cars to control the flow of traffic on the freeway. Use one additional pilot car as a chase vehicle to follow the last free-flowing vehicle ahead of the blockade. The pilot cars shall enter the roadway, form a moving blockade, and reduce traffic speeds to create a gap in traffic to accomplish the work without completely stopping traffic.

When using the RSM, place a PCMS a minimum of 2,500 feet in advance of each point where the pilot cars enter the freeway. Place flagger(s), accompanied by appropriate devices and signing, at the terminal of all closed on-ramps within the controlled delay area. Establish and utilize radio communications to adjust the speed of the blockade, as necessary. Maintain radio communications at all times among the pilot cars, flaggers, and the construction crew.

The Contractor may begin work immediately after the chase vehicle has passed the work area. If the work within the work area is not completed when the moving blockade reaches it, immediately cease all work except what is necessary to clear the roadway and reopen the roadway to traffic. Succeeding RSM will not be allowed until traffic clears from a preceding RSM.

(Use the following subsection .41 for bridge pavement work or bridge end work.)

00220.41 Bridge Work - Before starting any grading or pavement removal at bridge ends or removal of pavement from bridge decks, arrange so that all equipment, labor, and materials required to complete the pavement replacement work and bridge deck waterproofing work are on hand or are guaranteed to be delivered. Once grading and pavement removal begins, vigorously prosecute and complete this work. Complete paving and membrane waterproofing work in the shortest possible time.

Temporarily taper or bevel longitudinal and transverse grade changes or drop-offs resulting from grading and pavement removal and membrane waterproofing work with asphalt concrete mixture to provide a smooth and safe transition. Construct and maintain a 1V:10H or flatter slope along longitudinal joints. Construct and maintain a 50 feet per 1 inch or flatter taper across transverse joints.

(Use the following subsection .42 when the road is to be closed to traffic during construction of bridges.)

00220.42 Bridge Site Road Closure - Close the road to traffic at the bridge site during reconstruction of the bridge. Do not close the road until all materials and equipment are on

hand or guaranteed to be delivered so that the work can be done in an efficient manner with a minimum period of road closure.

The road closure will not be allowed until the area is signed according to the TCP and the requirements of Section 00225.

(Use the following lead-in paragraph and one of the following subsection .45's with bridge work. Delete the subsections that do not apply. Obtain information from the Bridge Designer.)

Add the following subsection:

[Use this subsection .45 for bridges designed for H20, HS20 ratings or greater.]

00220.45 Load Restrictions on Bridges - Limit the combined weight of construction vehicles, equipment, and daily material usage to 65,000 pounds for every 1,000 square feet of surface area plus the weight of long term storage of materials to 25,000 pounds for every 100 square feet of surface area of the bridge or a total of 200,000 pounds for each span of the bridge, whichever is less.

The Contractor may request alternate loadings by submitting, 30 Calendar Days before proposed loadings, stamped loading calculations and data according to 00150.35.

[Use this subsection .45 for bridges designed for H15, HS15 ratings.]

00220.45 Load Restrictions on Bridges - Limit the combined weight of construction vehicles, equipment, and daily material usage to 45,000 pounds for every 1,000 square feet of surface area plus the weight of long term storage of materials to 18,000 pounds for every 100 square feet of surface area of the bridge or a total of 150,000 pounds for each span of the bridge, whichever is less.

The Contractor may request alternate loadings by submitting, 30 Calendar Days before proposed loadings, stamped loading calculations and data according to 00150.35.

[Use this subsection .45 for bridges on the Restricted Bridge List or have a condition rating of 4 or less on any part of the bridge.]

00220.45 Load Restrictions on Bridges - Structure No. _____ is on the Restricted Bridge List or has a condition rating of 4 or less. If the Contractor will park vehicles or equipment on the bridge or store materials on the bridge submit, 30 Calendar Days before loading, stamped loading calculations and data according to 00150.35.