

SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

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

00220.01(b) Abbreviations - Delete this subsection.

(Use the following subsection .02(a) when any of the following bullets are included in the Project Special Provisions. Delete "(s)" or parentheses, as applicable.)

00220.02(a) General Requirements - Add the following bullet(s) 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 Traffic 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 flaggers are needed at a single location for 24 or more consecutive hours. Fill in the blanks with appropriate quantities.)

- During stage construction, provide continuous 24-hour flagger operation, with a minimum of ____ flaggers. Occupy the advance flagger stations, as directed.

(Use the following bullet when any of the following apply:

- *A new temporary or permanent STOP sign is installed at an intersection.*
 - *Modifications are made to lane configurations, lane assignments or Roadway geometry that affects traffic patterns.*
 - *A permanent traffic signal is being installed or modified.*
- Before activating a modified traffic signal, revising lane usage, implementing new roadway geometry, or removing a "STOP" sign, protect traffic by installing "NEW TRAFFIC PATTERN AHEAD" (W23-2) signing according to 00222.40. Keep the signs in place for 30 Calendar Days after completing the modifications.

(Use one of the following two options when excavation creates an abrupt edge. Delete the option that does not apply and Include TM800.)

[Option 1 - Use the following bullet when excavation creates an abrupt edge on a freeway Project that has adequate shoulder width.]

- When an abrupt edge is created by excavation, protect traffic according to the "Excavation Abrupt Edge" and the "Typical Abrupt Edge Delineation" configurations shown on the Standard Drawings. Modify the "Typical Abrupt Edge Delineation" configuration by replacing the tubular markers with temporary plastic drums on 40 foot maximum spacing along the abrupt edge.

[Option 2 - Use the following bullet when option 1 is not used.]

- When an abrupt edge is created by excavation, protect traffic according to the "Excavation Abrupt Edge" and the "Typical Abrupt Edge Delineation" configurations shown on the Standard Drawings.

(Use one of the following three options when paving creates an abrupt edge. Delete the options that do not apply.)

[Option 1 - Use the following bullet when paving operations create an abrupt edge on Multi-Lane, Two-Way Non-Freeways.]

- When paving operations create an abrupt edge, protect traffic by installing a "DO NOT PASS" (R4-1) sign before the Work Area at sign spacing "A" from the TCD Spacing Table" shown on the Standard Drawings. Alternate "ABRUPT EDGE" (CW21-7) signs with appropriate (CW21-8) rider and "DO NOT PASS" (R4-1) signs at 1/2 mile spacings. Install a "BUMP" (W8-1) sign 100 feet prior to the transverse paving edge.

[Option 2 - Use the following bullet when paving operations create an abrupt edge on Two-Lane Freeway Projects. Include Standard Drawing TM861.]

- When paving operations create an abrupt edge, protect traffic by installing signing according to the "Divided Highway or Freeway One Lane Closure" detail shown on the Standard Drawings.

[Option 3 - Use the following bullet when paving operations create an abrupt edge on Multi-Lane Freeway Projects. Include Standard Drawing TM862.]

- When paving operations create an abrupt edge, protect traffic by installing signing according to the "Divided Highway or Freeway Two Lane Closure" detail shown on the Standard Drawings.

(Use the following bullet when longitudinal rumble strips are required. When used, be sure that Standard Drawing TM830 is included in the plans. Include appropriate Pay Items for cold plane pavement removal and surfacing material.)

- Protect traffic by grinding and inlaying existing longitudinal rumble strips before staging traffic across them. Grind and inlay existing rumble strips according to the "Existing Rumble Strip Removal" detail shown on the Standard Drawings. Use Level 2, 1/2 inch ACP, or as directed.

(Use the following bullet any time traffic queues are expected to develop within proximity of a railroad crossing. Include Standard Drawing TM850.)

- When flagging operations may extend traffic queues onto the railroad crossing, protect traffic at the intersection of _____ and _____ by providing an additional flagger. Position additional flagger signs according to the "Advance Flagger for Extended Traffic Queues" configuration shown on the Standard Drawings. Do not allow traffic to stop on the railroad crossing.

(Use the following bullet when pole base excavation covers are required.)

- Protect pedestrians in pole base excavation areas by placing approved covers over all pole base excavations. Place a minimum of two B(II)LR barricades adjacent to and on either side of the excavated area, facing pedestrian traffic, or place covers and barricades as directed.

(Use the following bullet when tow trucks are required.)

- Provide a licensed tow truck service for responding to stranded or disabled vehicles within the Project limits. Provide the tow truck service during the hours designated in 00220.40(h), and as directed by the Engineer.

00220.02(b) Temporary Pedestrian Accessible Route Plan - Replace the title of this subsection with **"Temporary Pedestrian Accessible Route"**

Replace the paragraph that begins "For the safety and accessibility ..." with the following paragraph:

For the safety and accessibility of pedestrians, provide and maintain TPAR for pedestrian pathways impacted by construction or construction staging, and the following:

Replace the bullet that begins "TPAR shall meet ..." with the following bullet:

- Meet the requirements of Part 6 of the MUTCD.

Replace the bullet that begins "Mount signs between the panels..." with the following bullet:

- Mount signs between the panels of a Type II barricade, on a PCD, or on a single-post temporary sign support, as shown. Place signs facing pedestrian traffic.

Add the following bullet(s) to the end of the bullet list:

- Maintain access to bus stops and Pedestrian Accessible Routes.

(Use the following bullet if construction staging makes it unsafe for pedestrian or bicycle traffic to travel through the active work area. Delete the language in purple parentheses that does not apply and delete all purple parentheses.)

- For an active Work Area controlled at each end by flaggers and pilot car, provide transportation for pedestrians (and bicyclists) through the active Work Area according to Section 00223 and Section 00228.

(Use the following bullet on Projects that have Pedestrian Accessible Route work. Fill in the blank with the number of Days, usually 10 to 21 and delete all purple parentheses.)

- For each location where a curb ramp or sidewalk is under construction, once demolition of the existing Pedestrian Accessible Route has begun, complete Pedestrian Accessible Route Work, including concrete sidewalks, curb ramps, and pavement repair and allow pedestrians to use the Pedestrian Accessible Route within (____) consecutive Calendar Days.

(Use the following bullet on Projects that have Pedestrian Accessible Route work at signals. Fill in the blank with the number of Days, usually 21 to 45 and delete all purple parentheses.)

- For each location where a curb ramp or sidewalk is under construction that includes permanent traffic signals, once demolition of the existing Pedestrian Accessible Route has begun, complete construction of the Pedestrian Accessible Route Work, including concrete sidewalks, curb ramps, pedestrian signals and pushbuttons, temporary crosswalks, and pavement repair and allow pedestrians to use the Pedestrian Accessible Route within (____) consecutive Calendar Days.

(Use the following bullets on Projects that have more than 8 curb ramps or sidewalk work locations. Fill in the blank with the number of locations, usually 10 and delete all purple parentheses.)

- A maximum of (____) locations where pedestrians are detoured from an existing Pedestrian Accessible Route, with a curb ramp(s) or sidewalk under construction, are allowed to be closed for pedestrian use at one time, unless otherwise directed by the Engineer.

(Use the following subsection .03(b) when public access(es) to a floatable natural waterway have been identified. Originated from HB2835 (2019). Delete "(s)" or parentheses, as applicable.)

00220.03(b) Closures - Add the following bullet(s) to the end of the bullet list:

- **Floatable Natural Waterway** - A minimum of 35 Calendar Days before restricting or closing the public access site(s), listed below:

(Fill in the blank with the appropriate public access location(s) information and include "as shown" if the access is shown on the Plans. Repeat the bullet as necessary to list all locations. Delete parentheses and the words in the parentheses as needed.)

- **Public Access Location** - _____ (as shown).

(Work Zone Standards Unit and State Specifications Engineer must approve 00220.40(e) on ALL Projects, including Projects where no modifications are made.

Use the following subsection .40(e)(1) only when modifying closed lane restrictions. Fill in the blank with the highway name and insert the route number (e.g. I-5, US97) in the parentheses. When closed lane restrictions apply to a road that is not a highway, delete "Highway (Route No.)" and insert the street name. Submit a Traffic Analysis Work Request Form to the Region Traffic Office for the closed lane restrictions. It's available on the web at <https://www.oregon.gov/odot/Engineering/Pages/Work-Zone.aspx>. Copy and paste the paragraph and bullet list as necessary for additional highways or roads. If closures are shown for Roadways under local jurisdiction obtain permits or indicate local coordination is necessary.)

00220.40(e)(1) Closed Lanes - Replace this subsection, except for the subsection number and title, with the following:

Traffic Lanes may be closed on the (Highway Name) Highway (Route No.) when allowed, shown, or directed during the following periods of time except as specified in 00220.40(e)(2):

(Delete the language that is not required for this Project. Modify the time and Day's and repeat the bullet as necessary to list all locations. Add additional restrictions such as calendar dates and mile point or segment locations if necessary. Delete the language in purple parentheses that does not apply and delete all purple parentheses.

Example:

- **Daily, Monday through Thursday, between 9:00 a.m. and 4:00 p.m.**
- **Friday, between 9:00 a.m. and 3:00 p.m.**
- **Nightly, Sunday night through Friday morning, between 6:00 p.m. and 7:00 a.m.)**

Single Lane Closures - One Traffic Lane (in each direction) on the (Highway Name) (Route No.) may be closed during the following times:

- Daily, (Day) through (Day), between (time) (a.m.)(p.m.) and (time) (a.m.)(p.m.)

- (Day) between (time) a.m. and (time) p.m.
- Nightly, (Day) night through (Day) morning, between (time) p.m. and (time) a.m.

Two-lane Closures - Two Traffic Lanes (in each direction) on the (Highway Name) (Route No.) may be closed during the following times:

- Daily, (Day) through (Day), between (time) (a.m.)(p.m.) and (time) (a.m.)(p.m.)
- (Day) between (time) a.m. and (time) p.m.
- Nightly, (Day) night through (Day) morning, between (time) p.m. and (time) a.m.

(Use the following paragraph and bullets if approved adjacent incidental closures on side streets or ramps are shown or are necessary for the construction of the Project. Designers should verify closure times with Local Agencies and modify the closure times as necessary.)

One Traffic Lane may be closed on all other adjacent Roadways within the Project Site not listed above, when allowed, shown, or directed during the following periods of time except as specified in 00220.40(e)(2):

- Daily, Monday through Thursday, between 9:00 a.m. and 4:00 p.m.
- Friday, between 9:00 a.m. and 3:00 p.m.
- Nightly, Sunday night through Friday morning, between 6:00 p.m. and 7:00 a.m.

00220.40(e)(2) Opened Lanes - Replace the paragraph that begins "Keep all Traffic Lanes and ..." with the following paragraph:

Keep all Traffic Lanes and pedestrian facilities open during the following periods. Remove all barricades and objects from the Roadway during the periods that Traffic Lanes are to remain open.

00220.40(e)(2)(a) Holidays - Replace the paragraph that begins "When a holiday falls ..." with the following paragraph:

When a holiday falls on Sunday, the following Monday is recognized as a legal holiday. When a holiday falls on Saturday, the preceding Friday is recognized as a legal holiday.

(Use the following subsection .40(e)(2)(b) to list special events. List the names, times, and dates of the events.)

00220.40(e)(2)(b) 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 and subsection .40(f) when blasting, erecting bridge girders, erecting sign structures, or conducting other short duration work that can be done in periods not exceeding 20 minutes. Contact the Region Traffic Analyst for designated peak hours and days when work is allowed. Add applicable items and delete non-applicable items in the first sentence. Do not change the subsection alpha character (keep it "(f)".)

Add the following subsection:

00220.40(f) Limited Duration Road Closure - Close all Traffic Lanes for periods not to exceed 20 minutes in duration during blasting or erecting Bridge girders and sign structures over the Traffic Lanes or _____. This Work will only be permitted between the hours of _____ and _____ on the _____ highway.

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

(Use the following lead-in paragraph and subsection .40(g) when the Rolling Slowdown Method is used to temporarily close traffic 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 subsection. Do not change the subsection alpha character (keep it "(g)".)

Add the following subsection:

00220.40(g) Road Closure Using Rolling Slowdown Method - Use a rolling slowdown method (RSM) for slowing traffic and closing all Traffic Lanes on the _____ Highway for periods not to exceed 20 minutes while _____ (specify type of work here) _____. This Work is 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 the pilot cars will travel to accommodate the needed time to complete the Work within 20 minutes.

Perform a RSM as shown on the Supplemental Drawings. Use 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. Direct pilot cars to enter the Roadway at the posted speed, form a moving blockade, and slowly reduce traffic speeds to create a gap in traffic to accomplish the work without completely stopping traffic.

Place a PCMS a minimum of 1/2 mile in advance of the start of the rolling slowdown. Place flagger(s), and 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.

Begin Work immediately after the chase vehicle has passed the Work Area. If work is not completed when the pilot cars approach the Work Area, immediately cease all work except what is necessary to clear and reopen the Roadway to traffic. Allow traffic to clear before performing another RSM.

(Use the following lead-in paragraph and subsection .40(h) when tow trucks are required. Do not change the subsection alpha character (keep it "(h)"). Fill in the blank with the highway name and insert the route number (e.g. I-5, US97) in the parentheses. When closed lane restrictions apply to a road that is not a highway, delete "Highway (_Route No. _)" and insert the street name.)

Add the following subsection:

00220.40(h) Tow Truck Operating Hours - During times a lane is closed on the _____ Highway (_Route No. _), provide an operated tow truck within the Project limits meeting the requirements of 00223.28. Use the operated tow truck to keep the open traffic lanes of _Route No._ unobstructed and open to traffic. During traffic lane closures on _Route No._, do not remove the operated tow truck from the Project or use the operated tow truck other than to keep the traffic lanes of _Route No._ open, unless otherwise approved or directed.

(Use the following lead-in paragraph and subsection .41 for bridge pavement work or bridge end work.)

Add the following subsection:

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 tapers according to 00620.40.

(Use the following lead-in paragraph and subsection .42 when the road is to be closed to traffic during construction of bridges.)

Add the following subsection:

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 and the detour route are signed according to the TCP and the requirements of Section 00221 and Section 00222.

(Use the following lead-in paragraph and the applicable following four options on all Projects that have a bridge(s) or culvert(s) within the Project limits or Section 00503 is included on the project. For each option identify the bridge(s) or culvert(s)

Structure Number where the restriction applies. Delete the options that do not apply. Obtain information from the Bridge Designer.)

Add the following subsection:

00220.45 Load Restrictions on Bridges -

[Option 1 - Use the following subsection .45 for existing bridges with a H20, HS20 or greater load rating.]

For Structure(s) No.(s) _____, 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.

[Option 2 - Use the following subsection .45 for existing bridges with a H15- or, HS15 load rating.]

For Structure(s) No.(s) _____, 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.

[Option 3 - Use the following subsection .45 for bridges on the Restricted Bridge List or have a condition rating of 4 or less on any part of the bridge.]

Structure(s) No.(s) _____ (is) (are) on the Restricted Bridge List or has a condition rating of 4 or less. If the Contractor plans to 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.

[Option 4 - Use the following subsection .45 for when Section 00253.46 is included in the Special Provisions.]

For Structure(s) No.(s) _____, limit the combined weight of Equipment, vehicles, and supplies placed in a closed Traffic Lane or Shoulder on the Bridge according to 00253.46.

00220.60(a)(1) Contractor Responsibility - Replace this subsection, except for the subsection number and title, with the following:

If this Work is not completed and in place, the Agency may do the Work according to 00220.60(d).

(a.) Do the following at no additional cost to the Agency:

- Keep surfaces being used by Public Traffic free of all dirt, mud, gravel, materials, and debris.
- Repair damage to surfaces caused by the Contractor's operations.
- Maintain all detour and stage construction Surfacing as specified or directed.

(Use the following bullet on Emulsified Asphalt Chip Seal (00710 or 00715) Projects, provided the following criteria are met:

- *Compile Field Data Summary*
- *ADT < 5,000 for roadways with posted speed > 45 mph*
- *ADT < 10,000 for roadways with posted speed ≤ 45 mph*
- *Federally funded projects require FHWA approval)*
- During emulsified asphalt chip seal operations, broom the surface being used by bicycles as soon as practicable to keep it free of all dirt, mud, gravel, and other harmful materials. The surface includes bike paths, Bike Lanes, Roadway Shoulders or the outside 6 feet of the Roadway.

(b.) Before periods of no active Work that last longer than seven consecutive Days, unless otherwise directed, do the following:

- Provide temporary pedestrian surfaces meeting the requirements of the MUTCD and Section 00228.
- Provide traversable bicycle and pedestrian routes with surfaces free of dirt, mud, gravel, and debris.

(c.) Before periods of no active Work that is anticipated to last or lasts longer than 30 consecutive Days, unless otherwise directed, do the following:

- Pave Traffic Lanes at least 12 feet wide, with 2-foot-wide paved Shoulders for each direction of traffic.
- Do not leave abrupt edges.
- Remove or cover temporary construction signs unless otherwise directed.
- Clean, install, and reinstall all necessary pedestrian, motor vehicle, and bicycle channelization and pavement markings, unless otherwise directed.

00220.60(a)(2) Agency Responsibility - Replace the paragraph that begins "The Agency is responsible ..." with the following paragraph:

The Agency is responsible to do the following at Agency expense:

00220.60(b) During Suspensions - Replace the paragraph that begins "During suspensions of the Work ..." with the following paragraph:

During suspensions of the Work, maintain Surfacing that the Contractor is responsible for under 00220.60(a)(1), and maintain Work Zone traffic control according to the Specifications and the following:

00220.70 Opening to Traffic - Replace the paragraph that begins "When it is in the public interest, the ..." with the following paragraph:

When it is in the public interest, the Engineer may order any portion of the Work opened to traffic. If the portion opened to traffic has been finished in an acceptable manner, it will be designated as "accepted for traffic", and the Contractor will be relieved of maintaining it for legal, Public Traffic. If the portion of the Work to be opened to traffic has not been finished in an acceptable manner, maintain that portion of the Work under traffic in a condition serviceable and adequate for traffic until it is finished in an acceptable manner, except as specified in 00220.60(b).

Replace the paragraph that begins "Maintain portions of the Work designated ..." with the following paragraph:

Maintain portions of the Work designated "accepted for traffic" if so ordered. Maintain portions of the Work opened to traffic but not "accepted for traffic" at no additional compensation, except watering ordered to protect the Work or to alleviate dust will be paid for according to Section 00340.

Replace the paragraph that begins "If the Contractor delays the completion ..." with the following paragraph:

If the Contractor delays the completion of Shoulders, sidewalks, curb ramps, drainage Structures, or other feature of the Work, the Engineer may order all or any portion of the Work to be opened to traffic. In this case, the Contractor is responsible for maintenance as described in 00220.60(a)(1), during the period the Work is opened to traffic, until Final Acceptance. Conduct the remaining operations to cause the least obstruction to traffic, and pay all additional costs caused by the presence of traffic.