



Appendix A. Figure Descriptions

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This appendix includes written descriptions of all figures included in this Technical Report. If needed, additional figure interpretation is available from the ODOT Senior Environmental Project Manager at (503) 731-4804.

Figure Number	Figure Title	Figure Description
1	Project Area	<p>Figure 1 shows the Project Area. The Project Area includes a 1.7-mile segment of Interstate 5 (I-5), beginning north of Interstate 405 (I-405) at milepost 303.2, extending south to the Burnside Bridge just south of Interstate 84 (I-84) at milepost 301.5. The Project Area also includes the interchange of I-5 and N Broadway and NE Weidler Street (Broadway/Weidler interchange) and the surrounding transportation network, from approximately NNE Hancock Street to the north, N Benton Avenue to the west, NNE Multnomah Street to the south, and NE 2nd Avenue to the east. Figure 1 also shows the Willamette River to the west of the Project Area and the following four bridges (from north to south): Fremont Bridge, Broadway Bridge, Steel Bridge, and Burnside Bridge. The Project Area includes segments of both I-5 and I-84.</p>
2	Auxiliary Lane/ Shoulder Improvements	<p>Figure 2 shows the locations of the proposed auxiliary lanes and shoulder improvements on I-5. One new northbound (NB) auxiliary lane would be added to connect the I-84 westbound on-ramp to the N Greeley Avenue off-ramp. A new southbound (SB) auxiliary lane would extend the existing auxiliary lane that enters I-5 SB from the N Greeley on-ramp. The extent of proposed auxiliary lanes and shoulder improvements begin near where I-5 crosses over N Russell Street and extends south to I-84. Figure 2 also shows the Project Area.</p>
3	I-5 Auxiliary (Ramp-to- Ramp) Lanes – Existing Conditions and Proposed Improvements	<p>Figure 3 shows the existing and proposed auxiliary lane configurations from the N Greeley on-ramp extending south to the SB Morrison Bridge off-ramp. Existing conditions are shown on the left and proposed improvements are shown on the right. Existing SB conditions include two SB lanes and three on-ramps (listed from north to south): N Greeley, I-405/N Fremont Street, and N Wheeler and three off-ramps (listed from north to south): N Broadway, I-84, and Morrison Bridge. There are existing auxiliary lanes between the N Greeley on-ramp extending to just south of the N Broadway off-ramp, the I-405/N Fremont on-ramp and N Broadway off-ramp, and N Wheeler on-ramp and I-84 off-ramp. Existing NB conditions include two NB lanes and two on-ramps (listed from south to north): I-84 and N Broadway and two off-ramps (listed from south to north): N Weidler, I-405/N Fremont, and N Greeley. There are existing auxiliary lanes between the I-84 on-ramp and N Weidler off-ramp and between the N Broadway on-ramp and I-405/N Fremont off-ramp.</p> <p>For proposed improvements, the on-ramps and off-ramps are the same as those shown for existing conditions, and all existing auxiliary lanes remain. There is one new SB proposed auxiliary lane that results in a continuous auxiliary lane from the N Greeley on-ramp extending south to the Morrison Bridge off-ramp. There is one NB proposed auxiliary lane that results in a continuous auxiliary lane from the I-84 on-ramp north to the N Greeley off-ramp. Two additional proposed NB auxiliary lane segments also extend the existing auxiliary lane between the I-84 on-ramp and N Weidler off-ramp.</p>

Figure Number	Figure Title	Figure Description
4	I-5 Cross Section (N/NE Weidler Overcrossing) – Existing Conditions and Proposed Improvements	Figure 4 shows a cross section comparison of existing and proposed conditions of I-5 south of the N/NE Weidler overcrossing within the Broadway/Weidler interchange area. Existing conditions are shown on the top and are the same for NB and SB traffic and include an inside and outside shoulder of varying width and two 12-foot lanes. Proposed lane configuration is shown below the existing conditions and is the same for NB and SB traffic and include an inside and outside shoulder, two through lanes, and one auxiliary lane. All shoulders and lanes are 12 feet wide.
5	Broadway/Weidler/Williams and Vancouver/Hancock Highway Covers	Figure 5 shows a rendering of the Broadway/Weidler/Williams and Vancouver/Hancock highway covers. The Broadway/Weidler/Williams cover appears as a green space that spans east-west across I-5, extending from immediately south of N/NE Weidler to immediately north of N/NE Broadway. The entire block between N/NE Weidler, NE Victoria Avenue, N/NE Broadway, and N Williams is all shown as a green space covering I-5. The Vancouver/Hancock cover is located farther to the north and appears as a smaller green space extending northwest and southeast from N Vancouver Avenue at its intersection with N/NE Hancock. Proposed bike lanes are also shown along N/NE Weidler, N Williams, N Vancouver, N/NE Broadway, and N/NE Hancock.
6	Broadway/Weidler Interchange Area Improvements	Figure 6 shows locations of improvements to the Broadway/Weidler interchange between I-5, the interchange, and the local street network. Improvements are labeled with letters A through H. The Broadway/Weidler/Williams cover spans east-west across I-5, extending from immediately south of N/NE Weidler to immediately north of N/NE Broadway. The Vancouver/Hancock cover is located farther to the north and appears as a smaller green space extending northwest and southeast from N Vancouver at its intersection with N/NE Hancock. Both covers are indicated by the letter “A.” Letter “B” is located near the bottom of the figure and shows how the I-5 SB on-ramp would be relocated by having it begin one block farther north at N/NE Weidler instead of N Ramsay Way, where the existing ramp begins. Letter “C” located near the middle of the figure shows the segment of N Williams between N Ramsay and N Weidler that would be closed to private motor vehicles. Letter “D” located near the middle of the figure shows the location of where traffic flow on N Williams between N/NE Weidler and N/NE Broadway would be converted to a reverse traffic flow two-way street with a 36-foot-wide median. Letter “E” shows the location of the proposed Hancock-Dixon crossing that extends from the intersection of N Dixon Street and N Wheeler east to N Williams and N/NE Hancock. Letter “G” indicates the location where N Flint Avenue would be removed beginning at N Tillamook Street and extending south to N Broadway. Letter “H” shows the location of the proposed Clackamas bicycle and pedestrian bridge, located south of N/NE Weidler to connect NE Clackamas Street with N Williams. The Project Area boundary and proposed auxiliary lanes and shoulders are also shown on the figure.
7	Conceptual Illustration of Proposed N Williams Multi-Use Path and Revised Traffic Flow	Figure 7 shows a rendering of the proposed N Williams multi-use path and reverse traffic flow. The foreground in the bottom half of the rendering shows the multi-use path as an extension of the sidewalk to the west (left) of N Williams. The top half of the rendering shows two SB traffic lanes to the east (right) of the multi-use path/median and two NB traffic lanes to the west (left) of the multi-use path/median. The Broadway/Weidler/Williams cover is shown as green space to the east (right) of N Williams SB traffic lanes.
8	Clackamas Bicycle and Pedestrian Crossing	Figure 8 shows a rendering of the Clackamas bicycle and pedestrian crossing. The crossing is shown as a curved elevated path crossing I-5, connecting NE Clackamas on the east side of I-5 to N Williams on the west side of I-5. Green bicycle lanes are also shown on either side of N Williams, located just west of I-5.

Figure Number	Figure Title	Figure Description
9	Transportation Area of Potential Impact	<p>Figure 9 shows the Project Area boundary (as shown in Figure 1) and the Area of Potential Impact (API) boundary for the transit study. The API includes the entire Project Area and an additional portion of N Broadway on the west. The Project Area extends west on N Broadway to N Benton. The API extends west on N Broadway to N Larrabee Street, which is west of N Benton.</p>
10	Existing Transit Routes and Stops – North	<p>Figure 10 shows an area bounded by approximately N/NE Morris Street on the north, NE Martin Luther King Jr. Boulevard and NE Grand Avenue on the east, NE Wasco Street on the south, and N Interstate Avenue on the west. The figure shows existing bus, MAX, and streetcar lines, as well as transit stops.</p> <p>North/south streets: N Interstate is served by MAX and bus lines. N Vancouver, N Williams, NE Martin Luther King Jr., and NE Grand, are served by bus lines.</p> <p>East/west streets: N/NE Broadway, N/NE Weidler, N Ramsay Way, and a small portion of N Larrabee between N Ramsay and N Interstate are served by bus lines.</p> <p>The Portland Streetcar is shown serving east/west travel on the Broadway Bridge, N/NE Broadway, N/NE Weidler, and north/south travel on a portion of NE Grand south of NE Broadway.</p> <p>Stop locations and the lines serving the stops are described in Table 3.</p>
11	Existing Transit Routes and Stops – South	<p>Figure 11 shows an area bounded by approximately N/NE Broadway on the north, NE 9th Avenue on the east, W/E Burnside on the south, and NW 3rd Avenue on the west. The figure shows existing bus, MAX, and streetcar lines, as well as transit stops.</p> <p>Streets served by MAX lines include N Interstate, running north to south on the left side of the figure; NE Holladay Street and the Steel Bridge, running west to east in the central part of the figure; NW Glisan Street, running west to east near the lower left corner of the figure; and NW 1st Avenue, running north to south in the lower left corner of the figure.</p> <p>Streets served by bus lines for north/south travel, beginning on the left (west) side of the figure include: N Interstate, N Vancouver, N Williams, NE Martin Luther King Jr., and NE Grand, and NW Naito Parkway. Streets served by bus for east/west travel, beginning in the north, include: N/NE Broadway, N/NE Weidler, N Ramsay to N Interstate via N Larrabee, NE Multnomah, and NE Oregon Street (west of NE Lloyd Street) in the central portion of the figure and NW Glisan, NW Everett Street, W/E Burnside, and NE Couch Street in the lower left part of the figure.</p> <p>Beginning in the north, the Portland Streetcar is shown serving the Broadway Bridge, N/NE Broadway to NE Grand, NE Grand south of NE Broadway, N/NE Weidler to NE 7th Avenue, NE 7th between NE Weidler and NE Oregon, NE Oregon between NE 7th and NE Martin Luther King Jr., and NE Martin Luther King Jr. south of NE Oregon.</p> <p>Stop locations and the lines serving the stops are described in Table 3.</p>