



Oregon

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Addenda No. 4

TO: PLAN HOLDERS

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SUBJECT: S.W. Gibbs Street Pedestrian Bridge Over I-5 Section
Pacific Highway (I-5, M.P. 299.68)
Multnomah County
Drainage, Structure, Paving, Signing, Illumination and
Roadside Development Project
(Bids to be opened and read October 8, 2009)

The following changes are made to the Project Special Provisions:

1. Section 07 14 13 – Hot Fluid-Applied Rubberized Asphalt Waterproofing - The following subsection is added after subsection 1.07 Submittals:

1.08 WARRANTY

- A. Furnish a total system written warranty, signed by the manufacturer's representative and waterproofing installer, against failure of the product and the installation, according to ODOT Standard Specification Section 00170.85(c-1).
- B. Warranty Period: 2-years. The warranty period will begin on the date the Engineer authorizes final payment for the Work under this Section.
- C. Failure: For the purposes of the warranty, failure is defined as:
 1. Leakage of waterproofing.
 2. Deterioration of waterproofing materials or delamination from the underlying surfaces.
- D. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:

1. Repair failures within 60 days at no additional cost to the Agency, including costs for removal and replacement of materials concealing waterproofing.
 2. Use materials and procedures meeting the requirements of these specifications.
 3. Match repairs to remaining waterproofing.
 4. Coordinate timing of repair work with the Engineer.
- E. Submit a manufacturer's written warranty stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and signed by manufacturer and installer.
2. Section **07 33 63 – Vegetated Roofing** - The following subsection is added after subsection 1.11 Project Conditions:
- 1.12 **WARRANTY**
- A. Furnish written warranties, signed by the manufacturer's representative and the system installer, against failure of the product and the installation, according to ODOT Standard Specification Section 00170.85 (c-1).
 1. Roofing Material Warranty:
 - a. Total System Warranty; covers components of roof assembly, including membrane, flashing, and insulation.
 - b. Warranty Period: 20 years.
 2. Roofing Installation Warranty:
 - a. Watertight warranty from roofing installer.
 - b. Warranty Period: 2 years.
 - B. Warranty Period: The warranty period for each of the foregoing warranties will begin on the date the Engineer authorizes final payment for the Work under this Section.
 - C. Failure: For the purposes of these warranties, failure is defined as:
 1. Roofing Materials: Failure of materials to maintain watertight installation.
 2. Roofing Installation: Water leakage due to improper installation of materials.
 - D. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:
 1. Repair failures within 60 days at no additional cost to the Agency.
 2. Use materials and procedures meeting the requirements of these specifications.
 3. Coordinate timing of repair work with the Engineer.
 - E. Submit a manufacturer's written warranty stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and signed by manufacturer and installer.

3. Section **07 53 00 – Single-Ply Membrane Roofing, EPDM** - The following subsection is added after subsection 1.10 Submittals:

1.11 WARRANTY

- A. Furnish a total system written warranty, signed by the manufacturer's representative and authorized roofing installer, against failure of the product and the installation, according to ODOT Standard Specification Section 00170.85(c-1).
- B. Warranty shall cover roofing work, including:
 - 1. Insulation, fiberglass-mat faced roof sheathing, roofing membrane, and adhesives.
 - 2. No exclusion or limitation for damage caused by wind speeds less than 90 mph.
- C. Warranty Period: The warranty periods will begin on the date the Engineer authorizes final payment for the Work under this Section.
 - 1. Manufacturer's material warranty: 20 years.
 - 2. Roofing installer's installation warranty: 2 years.
- D. Failure: For the purposes of these warranties, failure is defined as:
 - 1. Not meeting watertight condition.
- E. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:
 - 1. Repair failures within 60 days at no additional cost to the Agency.
 - 2. Use materials and procedures meeting the requirements of these specifications.
 - 3. Match repairs to remaining roofing.
 - 4. Coordinate timing of repair work with the Engineer.
- F. Submit a manufacturer's written warranty stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and signed by manufacturer and installer.

4. Section **07 62 00 – Sheet Metal Flashing and Trim** - The following subsection is added after subsection 1.07 Submittals:

1.08 GUARANTEE

- A. Furnish a written guarantee from the manufacturer against failure of the product paint finish, according to ODOT Standard Specification Section 00170.85(c-2).
- B. Guarantee Period: 20 years for paint finish on aluminum substrate; 10 years for paint finish on galvanized steel substrate. The guarantee period will begin on the date the Engineer authorizes final payment for the Work under this Section.
- C. Failure: For the purposes of the guarantee, failure is defined as:
 - 1. Chipping, cracking or peeling (losing adhesion) but does not include minute fracturing, which may occur in proper fabrication of building parts.
 - 2. Chalk Resistance: Chalking in excess of ASTM D4214, No. 8 rating, determined by the procedure outlined in ASTM D4214 specification test.

3. Changing color more than five (5) Delta-E Hunter units as determined by ASTM D2244. It is acknowledged that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.
 - D. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:
 1. Repair failures within 60 days at no additional cost to the Agency.
 2. Use materials and procedures meeting the requirements of these specifications.
 3. Match repairs to remaining sheet metal flashing and trim.
 4. Coordinate timing of repair work with the Engineer.
 - E. Submit a manufacturer's standard written paint coating guarantee stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and signed by the manufacturer.
5. Section **08 44 13 – Glazed Aluminum Curtain Walls** - The following subsection is added after subsection 1.13 Mock-ups.

1.14 WARRANTY AND GUARANTEE

- A. Curtain Wall Assembly Installation Warranty: 2-year extended warranty.
 1. Furnish written warranty, signed jointly by the manufacturer and curtain wall installer, against failure of the product and the installation, according to ODOT Standard Specification Section 00170.85 (c-1).
 2. Warranty Period: 2 years. The warranty period will begin on the date the Engineer authorizes final payment for the Work under this Section.
 3. Failure: For the purposes of the warranty, failure is defined as: Window wall components which have failed to provide watertight and air tight joints or which appear to have failed in adhesion, cohesion, abrasion resistance, migration resistance, stain resistance, general durability, or other form of apparent deterioration (excluding inherent qualities and limitations clearly specified in the manufacturer's submitted product data).
 4. Remedy: Warranty shall provide for correction, or at the option of the Agency, removal and replacement of glazed aluminum curtain wall found defective in relation to design criteria during the stated warranty period, at no additional cost to Agency.
- B. Coatings Guarantee: Furnish a written guarantee from the manufacturer against failure of the product paint finish, according to ODOT Standard Specification Section 00170.85(c-2).
 1. Guarantee Period: 20 years for coatings on aluminum substrate. The guarantee period will begin on the date the Engineer authorizes final payment for the Work under this Section.
 2. Failure: For the purposes of the guarantee, failure is defined as:
 - a. Chipping, cracking or peeling (losing adhesion) but does not include minute fracturing, which may occur in proper fabrication of building parts.

- b. Chalk Resistance: Chalking in excess of ASTM D4214, No. 8 rating, determined by the procedure outlined in ASTM D4214 specification test.
 - c. Changing color more than five (5) Delta-E Hunter units as determined by ASTM D2244. It is acknowledged that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.
 - C. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:
 1. Repair failures within 60 days at no additional cost to the Agency.
 2. Use materials and procedures meeting the requirements of these specifications.
 3. Match repairs.
 4. Coordinate timing of repair work with the Engineer."
 - D. Submit a written warranty and guarantee stating obligations, remedies, limitations, and exclusions that comply with all applicable specifications. Ensure forms are completed in Agency's name, registered with manufacturer, and signed by manufacturer and installer
6. Section **08 81 00 – Glazing** - The following subsection is added after subsection 1.10 Extra Materials:
 - 1.11 **GUARANTEE**
 - A. Furnish manufacturer's written guarantee, signed by the manufacturer, against failure of the product or the installation, according to ODOT Standard Specifications Section 00170.85(c-2).
 - B. Guarantee Period: 5 years. The guarantee period will begin on the date the Engineer authorizes final payment for the Work under this Section.
 - C. Failure: For the purposes of the guarantee, failure is defined as delamination of laminated glass.
 - D. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:
 1. Repair failures within 60 days at no additional cost to the Agency.
 2. Use materials and procedures meeting the requirements of these specifications.
 3. Match repairs.
 4. Coordinate timing of repair work with the Engineer.
 - E. Submit a manufacturer's written guarantee stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and signed by the manufacturer's representative.
7. Section **08 91 19 – Fixed Louvers** - The following subsection is added subsection 1.07 Submittals:

1.08 GUARANTEE

- A. Furnish manufacturer's written paint finish guarantee, signed by the manufacturer, against failure of the paint finish product, according to ODOT Standard Specification Section 00170.85 (c-2).
- B. Guarantee Period: 10 year. The paint coating guarantee period will begin on the date the Engineer authorizes final payment for the Work under this Section.
- C. Failure: For the purposes of the guarantee, failure of coating on aluminum substrate is defined as:
 - 1. Chipping, cracking or peeling (losing adhesion) but does not include minute fracturing, which may occur in proper fabrication of building parts.
 - 2. Chalk Resistance: Chalking in excess of ASTM D4214, No. 8 rating, determined by the procedure outlined in ASTM D4214 specification test.
 - 3. Changing color more than five (5) Delta-E Hunter units as determined by ASTM D2244. It is acknowledged that fading or color changes may not be uniform if the surfaces are not equally exposed to the sun and elements.
- D. Remedy: Upon notification by the Engineer of a failure as defined above, provide the following remedy:
 - 1. Repair failures within 60 days at no additional cost to the Agency.
 - 2. Use materials and procedures meeting the requirements of these specifications.
 - 3. Match repairs.
 - 4. Coordinate timing of repair work with the Engineer.
- E. Submit a manufacturer's written guarantee stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and signed by the manufacturer's representative.

8. Section 14 24 00 – **Hydraulic Elevators** - The following subsection is added after subsection 1.08 Maintenance:

1.09 WARRANTY

- A. Furnish a written warranty, signed by the manufacturer and installer, against failure of the product and installation, according to ODOT Standard Specification Section 00170.85(c-1). Material and workmanship of installation shall comply in every respect with the Specifications.
- B. Warranty Period: 1 year. The warranty period will begin on the date the Engineer authorizes final payment for the Work under this Section.
- C. Failure: For the purposes of the warranty, failure is defined to include, but is not limited to: operation or control system failures, car performance below required minimum, excessive wear, unusual deterioration or aging of materials or finishes, unsafe conditions, the need for excessive maintenance, abnormal noise or vibration, and similar unsatisfactory conditions.
- D. Remedy: Correct defective material or workmanship which develops to satisfaction of Agency at no additional cost, unless due to ordinary wear and tear (other than normal weather-related failures), or improper use or care by Agency.

Perform maintenance in accordance with terms and conditions indicated in the Preventive Maintenance Agreement. Make modifications, requirements, adjustments, and improvements to meet performance requirements in Part 2, Products, and Part 3, Execution.

- E. Submit a manufacturer's written warranty stating obligations, remedies, limitations, and exclusions that complies with all applicable specifications. Ensure forms are completed in Agency's name, are registered with manufacturer, and are signed by the manufacturer and the installer.

These changes will be included in the Contract for this Project. It is understood that your Bid will be submitted accordingly.

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