



## **Part 4.0 – Special Provisions**

The Oregon Standard Specifications for Construction – 2018 by the Oregon Department of Transportation shall be followed, except as modified in this part.

## Part 4.0 SPECIAL PROVISIONS

### Table of Contents

<b>SECTION 00100 – GENERAL REQUIREMENTS</b> .....	<b>3</b>
SECTION 00110 - ORGANIZATION, CONVENTIONS, ABBREVIATIONS AND DEFINITIONS .....	3
SECTION 00120 - BIDDING REQUIREMENTS AND PROCEDURES .....	3
SECTION 00130 - AWARD AND EXECUTION OF CONTRACT .....	6
SECTION 00140 - SCOPE OF WORK .....	7
SECTION 00150 - CONTROL OF WORK .....	8
SECTION 00170 - LEGAL RELATIONS AND RESPONSIBILITIES .....	9
SECTION 00180 - PROSECUTION AND PROGRESS .....	10
SECTION 00195 - PAYMENT .....	10
SECTION 00199 - DISAGREEMENTS, PROTESTS, AND CLAIMS .....	11
<b>SECTION 00200 – TEMPORARY FEATURES AND APPURTENANCES</b> .....	<b>14</b>
SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC .....	14
SECTION 00290 - ENVIRONMENTAL PROTECTION .....	14
<b>SECTION 00300 – ROADWORK</b> .....	<b>15</b>
SECTION 00305 - CONSTRUCTION SURVEY WORK .....	16
SECTION 00320 - CLEARING AND GRUBBING .....	<b>Error! Bookmark not defined.</b>
SECTION 00330 - EARTHWORK .....	15
SECTION 00350 - GEOSYNTHETIC INSTALLATION....	<b>Error! Bookmark not defined.</b>
<b>SECTION 00400 – DRAINAGE AND SEWERS</b> .....	<b>17</b>
SECTION 00405 - TRENCH EXCAVATION, BEDDING AND BACKFILL .....	17
SECTION 00445 - SANITARY, STORM, CULVERT, SIPHON AND IRRIGATION PIPE .....	18
SECTION 00470 - MANHOLES, CATCH BASINS AND INLETS .....	18
<b>SECTION 00600 - BASES</b> .....	<b>19</b>
SECTION 00640 - AGGREGATE BASE AND SHOULDERS .....	19
<b>SECTION 00700 – WEARING SURFACES</b> .....	<b>20</b>
SECTION 00749 - MISCELLANEOUS ASPHALT CONCRETE STRUCTURES .....	20
SECTION 00759 - MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES .....	20
<b>SECTION 00900 – PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b> .....	<b>22</b>
SECTION 00905 - REMOVAL AND REINSTALLATION OF EXISTING SIGNS .....	22
<b>SECTION 01100 – WATER SUPPLY SYSTEMS</b> .....	<b>Error! Bookmark not defined.</b>
SECTION 01140 – POTABLE WATER PIPE AND FITTINGS .....	<b>Error! Bookmark not defined.</b>
SECTION 01150 - -POTABLE WATER VALVES .....	<b>Error! Bookmark not defined.</b>

SECTION 01160 – HYDRANTS AND APPURTENANCES ..... **Error! Bookmark not defined.**

## SECTION 00100 – GENERAL REQUIREMENTS

### SECTION 00110 - ORGANIZATION, CONVENTIONS, ABBREVIATIONS AND DEFINITIONS

Comply with Section 00110 of the Standard Specifications modified as follows:

**00110.10 Abbreviations** - Add the following:

CCC City of Cornelius Council

**00110.20 Definitions** - Add or modify the following:

**Bonds** - The bond or surety bond is a written document given by the surety and principal to the obligee to guarantee a specific obligation.

**Contract Administration Engineer** – Add the following:

The City Manger for City of Cornelius will preside over the Step 2 claim review.

**Public Works Director** – The City of Cornelius Public Works Director who will be presiding over step 1 level claim review under 00199.40.

**Substantial Completion** - The work or specified parts of the work which are sufficiently complete, in accordance with the contract documents in order that they can be utilized by the Agency for the purposes intended as determined by the Engineer.

### SECTION 00120 - BIDDING REQUIREMENTS AND PROCEDURES

Comply with Section 00120 of the Standard Specifications modified as follows:

**00120.05 Request For Solicitation Documents** – Replace this Subsection with the following:

**00120.05 Request For Solicitation Documents** – Solicitation documents are available as specified in the invitation to bid.

**00120.10 Bid Booklet** - Replace this Subsection with the following:

**00120.10 Bid Documents** - The Bid Documents may include, but are not limited to:

**Volume 1** - Volume 1 includes, but is not limited to:

Part 1.0, Bid Information  
The Project  
Prevailing Wage and Other Requirements  
Invitation to Bid  
Bid Award and Protests

Part 2.0, Bidding Forms  
Bid Form  
Bid Guaranty Form

First-tier Subcontractors Disclosure Form  
Statutory Public Works Bond

Part 3.0, Contract Forms  
Contract  
Performance Bond  
Payment Bond

**Volume 2** - Volume 2 includes, but is not limited to:

Part 4.0, Special Provisions

Other documents referenced in the Bid Documents, including the Plans and Specifications, are part of the bid documents by reference. These include, but are not limited to:

- Construction Plans for the project
- The "Oregon Standard Specifications for Construction", 2018 Edition, as published by the Oregon Department of Transportation (ODOT).

**00120.40(e) Bid Guaranty** – Add the following to the end of this Paragraph:

If bidders elect to provide a bid bond as a bid guaranty, use the "Bid Guaranty Form" provided in Volume 1 of the Bid Documents.

**00120.40(f) Disclosure of First-Tier Subcontractors** – Replace this Subsection with the following:

The Subcontractors Disclosure Form from the Volume 1 shall be submitted no later than two (2) hours after the time the bids are due. The form shall be emailed to the City Engineer with the project name followed by the words: FIRST TIER DISCLOSURE.

**00120.45 Submittal of Bids** - Replace this Subsection with the following:

**00120.45 Submittal of Bids** – Bids shall be submitted in accordance with the procedures outlined in Volume 1 of these specifications.

**00120.60 Revision or Withdrawal of Bids** - Replace this Subsection with the following:

**00120.60 Revision or Withdrawal of Bids** - Information entered into the Bid Booklet by the Bidder may be changed after the Bid has been delivered to the address given in the Bid Booklet, provided that:

- Changes are prepared in accordance with the instructions found in the Bid Booklet,
- Changes are received at the same offices, addresses, and times identified in the Bid Booklet,
- The Bid number is included, and
- The changes are submitted in writing, signed by an individual authorized to sign the Bid.

A Bidder may withdraw its Bid after it has been delivered to the address given in the Bid Booklet, provided that:

- The written withdrawal request is submitted on the Bidder's letterhead,
- The request is signed by an individual who is authorized to sign the Bid, and proof of authorization to sign the Bid accompanies the withdrawal request, and
- The request is received at the same offices, addresses, and times identified in the Bid Booklet.

**00120.65 Opening and Comparing Bids** – Replace the first paragraph with the following:

All bids received will be opened, immediately after the due time stated in the “Invitation to Bid” (Advertisement), and the total price for each bidder’s bid will be read publicly at that time. Bidders and other interested parties are invited to be present.

Add the following section:

**00120.68 Mistakes in Bids:**

- (a) **General** - Clarifications to or withdrawal of a bid after bid opening because of an inadvertent, non-judgmental mistake in the bid requires careful consideration by the Agency to protect the integrity of the competitive bidding system and to assure fairness to all bidders. Bid correction or withdrawal by reason of a non-judgmental mistake is permissible, but only to the extent it is not contrary to the interest of the Agency or the fair treatment of other bidders.
- (b) **Mistakes Discovered After Bid Closing But Before Award** - This subsection prescribes standards to be applied in situations where mistakes in bids are discovered after the time and date set for bid closing, but before award.
- (1) **Minor Informalities** - are insignificant mistakes of form that are evident from the bid documents and do not affect price, quality, quantity, delivery, or contractual obligations except in the case of informalities involving unit price. Minor informalities can be waived or corrected promptly without prejudice to other bidders or to the Agency. Examples include, but are not limited to:
- Return of the number of signed bids or the number of other documents required by the bid documents.
  - Failure to sign the bid form in the designated block so long as a signature appears in the bid documents evidencing an intent to be bound.
  - Failure to acknowledge receipt of an addendum to the bid documents, but only if:
    - it is clear from the bid that the bidder received the addendum and intended to be bound by its terms, or;
    - the addendum involved had a negligible effect on price, quality, quantity, or delivery.
- (2) **Mistakes Where Intended Correct Bid is Evident** - If the mistake and the intended correct bid are clearly evident on the face of the bid form, or can be substantiated from accompanying documents, the Agency may accept the bid (i.e., typographical errors, errors in extending unit prices, transposition errors, and arithmetical errors). For discrepancies between unit prices and extended prices, unit prices will prevail.

**(3) Mistakes Where Intended Correct Bid is not Evident** - The Agency will not accept a bid in which a mistake is clearly evident on the face of the bid form but the intended correct bid is not similarly evident or cannot be substantiated from accompanying documents.

**00120.70 Rejection of Nonresponsive Bids** - Replace the fifth, seventh, and eighth bulleted items with the following:

- The bid is submitted on documents not obtained directly from City of Cornelius, or is submitted by a bidder who has not been identified by the Agency as a holder of a set of solicitation documents, as required by 00120.05.
- The bid has unreadable entries or lacks signatures or initials where specified.

Add the following bulleted item:

- The Agency determines that any Pay Item is significantly unbalanced to the potential detriment of the Agency.

**00120.90 Disqualification of Bidders** – Add the following bullet to the disqualification list comprising the second paragraph:

Not completed and signed all bid forms as required by these bid documents

**00120.95 Opportunity for Cooperative Arrangement** – Delete this Subsection.

## **SECTION 00130 - AWARD AND EXECUTION OF CONTRACT**

Comply with Section 00130 of the Standard Specifications modified as follows:

**00130.10 Award of Contract** – Replace the third paragraph with the following:

The Agency will provide Notice of Intent to Award on the Agency's website.

**00130.15 Right to Protest Award** – Replace this subsection with the following

**00130.15 Right to Protest Award** - Within seven (7) calendar days following the date of Notice of Intent to Award, any adversely affected or aggrieved Bidder may submit a written protest to the Public Works Director of City of Cornelius in accordance with Part 1.40 of Volume 1 of these documents. The protest shall specify the grounds upon which the protest is based.

The Agency is not obligated to consider late protests.

**00130.30 Contract Booklet** – add the following to the end of this Subsection:

Other documents referenced in the Contract Booklets, including the Project Plans and Specifications, are part of the contract documents by reference. These other documents include, but are not limited to:

- The “Oregon Standard Specifications for Construction”, 2018 Edition, as published by the Oregon Department of Transportation (ODOT).
- The current edition of the Oregon Standard Drawings
- Manual of Field Test Procedures
- The “Construction Manual”, current edition, as published by ODOT.

**00130.40(c)Workers’ Compensation** – Replace this subsection with the following

**00130.40(c)Workers’ Compensation** - to certify compliance with the workers’ compensation insurance coverage required by 00170.61(a) and 00170.70(d), the successful bidder shall provide evidence of such insurance coverage.

**00130.40(d)Registration Requirements:** Revise this subsection as follows:

Replace the word “Registration” in this Subsection title with the word “Licensing”.

In the first paragraph replace the words “registered with” with the words “licensed with” in two places.

In the third paragraph replace the word “registered” with word “licensed”.

**00130.50(a)By the Bidder** – Replace the first paragraph with the following:

The successful bidder shall deliver the required number of copies of Volume 1 of the Bid Documents with a properly executed Contract, Performance Bond, Payment Bond, Certification of Worker’s Compensation Coverage, and the required Certificate of Insurance to the Agency within ten (10) calendar days after the date that the contract documents were postmarked and sent to the bidder in accordance with 00130.10. The Bidder shall return the originals of all documents received from the Agency and named in this Subsection, with original signatures. Certificates of insurance shall also be originals. Certificates of insurance for coverage’s that are permitted by the Agency under 00170.70(a) to be obtained by appropriate subcontractors shall be delivered by the Contractor to the Agency together with the Contractor’s request under 00180.21 for approval of the subcontract with that subcontractor. Copies of these documents will not be accepted by the Agency.

**00130.50(b) By the Agency** – Replace “seven calendar days” with “thirty (30) calendar days”.

## **SECTION 00140 - SCOPE OF WORK**

Comply with Section 00140 of the Standard Specifications modified as follows:

**00140.60 Extra Work** – Add the following after the second paragraph:

When listed in the bid schedule, the amount(s) listed for the pay items under “Extra Work” are estimated amount(s) to provide adequate funding and bonding to cover extra work items if required by the Engineer.

## SECTION 00150 - CONTROL OF WORK

Comply with Section 00150 of the Standard Specifications modified as follows:

**00150.02 Inspectors' Authority and Duties** - Add the following to the end of the first paragraph:

The Inspector may orally suspend work temporarily, until the issue in question can be referred to the Engineer for decision, for:

- Unsafe practice
- Non-compliance with the contract documents
- Non-compliance with erosion control requirements
- Non-compliance with hazardous material handling rules and regulations
- Non-compliance with air, noise, and water pollution control

**00150.05 Cooperative Arrangements** - Delete this Subsection.

**00150.50(b) Agency Responsibilities** – Replace this subsection with the following:

**00150.50(b) Agency Responsibilities** - During the design of this project, the Agency made preliminary contacts with Utilities to make them aware of anticipated agency work within the limits of this project, how it may affect their facilities, and instructed the utilities to make arrangements to relocate their facilities that are known to conflict with anticipated agency work. The Agency has listed in these Special Provisions the known utilities, their owners, and contact information. The Plans will not normally show the anticipated new location of utilities that have been or will be adjusted.

**00150.50(c) Contractors Responsibility** - Add the following bulleted items:

- Meet with each utility agency prior to the preconstruction meeting that has or may have utilities within the limits of the work on this project.
- Check on-site locations of each utility against known location data, if any, and notify the utility of any discrepancies before starting the work.

Add the following:

In accepting the above responsibilities, both stated and implied, the Contractor understands that it is highly likely that there will be interfering utilities, i.e., service laterals, drains, pipes and conduits (ducts), and related structures which are not shown or are not accurately indicated on the plans or have not been previously discovered on the project site.

Utilities that are in the way of or in close proximity to the work (potential conflicts) may require a change in the Contractor's operations and should be reflected in the Contractor's bid and in the project schedule.

Existing utilities may affect the work causing additional time or cost. Reasonable delays or resulting cost increases will be considered as part of the normal progress of work and will not be cause for extra compensation to the Contractor. The Contractor agrees to provide for a reasonable amount of additional time or cost in the bid.

Locating, such as potholing (excavations) or boring, deemed necessary to determine the exact location(s) of any utility which may interfere with the work shall be done prior to the start of construction at the Contractor's expense unless otherwise indicated or provided for in these contract documents.

**00150.50(d) Delays** – Delete this subsection.

Add the following Subsection:

**00150.50(f) Utility Information:** Contact those utilities having buried facilities and request that they locate and mark them for their protection prior to construction. The Utilities notification system telephone number is 1-800-332-2344.

Add the following Subsection:

**00150.90(c) Rescinding Second Notice** - If the punch list items have not been completed within 60 days of issuance of "Second Notification", the second notice will be rescinded, the contract time will be restarted and liquidated damages will be assessed per section 00180.85.

## SECTION 00170 - LEGAL RELATIONS AND RESPONSIBILITIES

Comply with Section 00170 of the Standard Specifications modified as follows:

**00170.02 Permits, Licenses, and Taxes** - Add the following bulleted item:

- Obtain necessary land use permits for off-site staging areas and waste disposal areas not listed in 00310.43.

**00170.03 Furnishing Rights-of-Way and Permits** - Add the following bulleted item:

- Necessary land use permits except for off-site staging areas and waste disposal areas.

**00170.70(a) Insurance Coverages** - The following insurance coverages and dollar amounts are required pursuant to this Subsection:

<b>Insurance Coverages</b>	<b>Combined Single Limit per Occurrence</b>	<b>Annual Aggregate Limit</b>
Commercial General Liability	\$2,000,000	\$2,000,000
Commercial Automobile Liability With Pollution Coverage	\$2,000,000	\$2,000,000

**00170.70(f) Certificate(s) of Insurance** - Add the following paragraph to this section:

The contractor shall furnish an "Additional Insured Endorsement" to the Agency at the same time the Certificate of Insurance is provided to the Agency.

## SECTION 00180 - PROSECUTION AND PROGRESS

Comply with Section 00180 of the Standard Specifications modified as follows:

Add the following Subsection:

**00180.50(h) Contract Time** - The Contractor shall complete all Work to be done under the Contract not later than the completion date specified in Part 1.10 of Volume 1 of the Bid Documents.

## SECTION 00195 - PAYMENT

Comply with Section 00195 of the Standard Specifications modified as follows:

Delete the following subsections:

**00195.10, 00195.12, 00195.12(a), 00195.12(b), 00195.12(c), 00195.12(d)**

**00195.50(b) Retainage** - Delete the last sentence of the first paragraph and replace with:

The Agency will withhold retainage from all Force Account and Change Order Work.

**00195.50(c) Forms of Retainage** - Replace this subsection with the following:

**00195.50(c) Forms of Retainage** - Forms of acceptable retainage are given in one of the following four ways. If the Agency incurs additional costs as a result of the Contractor's decision to use a form of retainage other than Alternate A, the Agency may recover such costs from the Contractor by a reduction of the final contract payment.

**(1) Cash - Alternative A** - The Agency will withhold payment in accordance with ORS 279C.560 and pay that retainage in accordance with ORS 270C.570.

Any retainage withheld on Work performed by a Subcontractor shall be released to the Contractor as provided in 00195.50(d).

**(2) Cash - Alternative B** - The Contractor will set up an interest bearing account in a commercial bank or trust company in Oregon in the name of Agency. The Agency will place 5% retainage withheld from each progress payment into the interest earning account. Funds in the account will be under the control of Agency and will be released to the Contractor within 30 days of final acceptance of the project. Interest on the account will accrue to the Contractor.

Any retainage withheld on Work performed by a Subcontractor shall be released to the Contractor as provided in 00195.50(d).

**(3) Cash - Alternative C** - Before the first progress payment is made, the Contractor will deposit a cash amount greater than or equal to 5% of the contract amount in the Agency's investment portfolio in lieu of retainage. Interest on the account will accrue to the Contractor. Funds in the account will be released to the Contractor within 30 days of final acceptance of the project.

Any retainage withheld on Work performed by a Subcontractor shall be released to the Contractor as provided in 00195.50(d).

- (4) Cash Bonds and Securities - Alternative D** - Before the first progress payment is made, the Contractor will deposit bonds or securities acceptable to the Agency equal to at least 5% of the contract amount with the Agency or with a commercial bank or trust company in Oregon. The bank or trust company will provide a safekeeping receipt to the Agency.

Any retainage withheld on Work performed by a Subcontractor shall be released to the Contractor as provided in 00195.50(d).

**00195.60 Advance Allowance for Material on Hand** - Add the following paragraph:

**00195.60(d) Monthly Updated Statement** - After materials on hand payments are made to the Contractor, the Contractor shall submit a monthly tabulation of all materials on hand five (5) calendar days before each progress estimate cut-off date. This tabulation shall include the original materials on hand quantities, quantities used through the most recent estimate period, and the balance of materials still on hand. If this tabulation is not submitted, or submitted incomplete, all of the remaining material on hand will be deducted from the progress estimate.

## **SECTION 00199 - DISAGREEMENTS, PROTESTS, AND CLAIMS**

Process disagreements, protests, and claims according to Section 00199 of the Standard Specifications, modified as follows:

**00199.40 Claim Decision; Review Exhaustion of Administrative Remedies** – Replace 00199.40 (b), (c), (d), and (e) with the following:

**00199.40(b) Step 1: City of Cornelius Public Works Department Director Level review:** The Contractor shall request a meeting with the Public Works Department Director in order to present the denied or partially denied claim for formal review and discussion. The meeting will take place within twenty-one (21) Calendar Days of the Agency's receipt of the request, or as otherwise agreed by the parties.

If the Public Works Department Director determines that the Contractor must furnish additional information or documentation to allow proper analysis of the claim, a second meeting will be scheduled within fourteen (14) Calendar Days, or as otherwise agreed by the parties, at which the Contractor shall present the requested information or documentation.

The Public Works Department Director will provide a written decision to the Contractor within thirty (30) Calendar Days of the review meeting.

If the Contractor does not accept the Step 1 decision, the Contractor may, within ten (10) Calendar Days of receipt of the written decision, request in writing that the Engineer arrange a review at Step 2 (See (c) below).

**00199.40(c) Step 2: City Manger, City of Cornelius-** The Contractor shall request a meeting with the City Manager to present the claim for final Agency review. The presentation will take place within twenty-one (21) Calendar Days of the Agency's receipt of the Contractor's written request, or as otherwise agreed by the parties.

If additional information or documentation is needed from the Contractor to allow proper analysis of the claim, a second meeting will be scheduled within fourteen (14) Calendar Days or as otherwise agreed by the parties, at which the Contractor shall present the requested information or documentation.

The Agency will provide a written decision to the Contractor within thirty (30) Calendar Days of the final Step 2 meeting.

If the Contractor does not accept the Step 2 decision, the Contractor may, within ten (10) Calendar Days of receipt of the written decision, request in writing through the Engineer that the claim be advanced to Step 3 or 4 (See (d) and (e) below), as applicable.

#### **00199.40(d) Step 3: Arbitration or Mediation of Claims:**

- (1) Claims Less than \$50,000 (excluding Liquidated Damages, Interest, and Arbitration Costs)** - At this step, the claim will be settled by binding arbitration before a single arbiter according to the Construction Industry Arbitration Rules of the American Arbitration Association.

Arbitration filing costs and any arbitrator fees will be divided equally between the Agency and the Contractor.

- (2) Claims of \$50,000 to \$500,000 (excluding Liquidated Damages, Interest, and Arbitration Costs)** - Claims in excess of \$500,000 may be reviewed under this step only upon the mutual agreement of the Contractor and the Agency.

Claims in excess of \$50,000 up to \$500,000 shall be subject to mediation. The Engineer shall solicit from one or more Portland area professional mediation or dispute resolution firms, a list of five (5) mediators experienced in construction disputes.

Copies of biographies of five (5) persons will be sent to the Contractor. Within twenty (20) calendar days after mailing the biographies, the Contractor and the Engineer shall meet and nominate an individual to serve as mediator. At the meeting, each party shall strike a name from the list of nominees until only one name remains. That person shall serve as the mediator.

Each party agrees to mediate in good faith. Mediation is a prerequisite to litigation. If after sixty (60) days of good faith effort no agreement has been reached, either party can elect to file litigation. The cost of mediation will be shared equally by both parties. In any subsequent litigation, the prevailing party shall be entitled to its mediation costs only if the mediator has determined that the non-prevailing party did not participate in good faith.

- (3) Claims over \$500,000 (excluding Liquidated Damages and Interest)** - If the Contractor and the Agency mutually agree, use mediation as described above. If not, proceed to Step 4 below.

#### **00199.40(e) Step 4: Litigation:**

This step applies to:

- Claims over \$500,000 (excluding liquidated damages and interest).
- Appeals of arbitration awards issued in Step 3 above, according to ORS 36.600 through 36.695.

- Claims over \$50,000 and under \$500,000, which are not resolved after good faith mediation as provided under Step 3.

Either party may file any suit or action arising out of this contract only after all other provisions of these specifications are exhausted. The suit or action shall be commenced within one (1) year of the date of Second Notification, or within six (6) months of the expiration of the mediation period or arbitration award, whichever is later, and shall be filed in a court of competent jurisdiction within Washington County.

If said suit or action is not commenced in said period, the Contractor expressly and irrevocably waives any and all claims for additional compensation and any and all causes of suit or action for the enforcement thereof that the Contractor might have had.

## SECTION 00200 – TEMPORORARY FEATURES AND APPURTENANCES

### SECTION 00220 - ACCOMMODATIONS FOR PUBLIC TRAFFIC

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

**00220.02(a) General Requirements** - Add the following bulleted item(s) to the end of this subsection:

- Obtain permission from the City of Cornelius before closing any city street. No city street closure will be permitted until the Engineer approves it and the area is signed according to Section 00225.
- Notify the Engineer, in writing, all affected emergency services, school districts, and US Postal Service at least 14 days in advance of the street closure.

Add the following subsection(s):

**00220.40(f) Road Closure** - Install advance Road Closure signing as directed by the Engineer 7 days in advance of closure. No closure will be permitted until the area is adequately signed according to the details shown and / and or requirements of 00225.

**00220.60(a)(1) Contractor Responsibility** - Add the following bulleted items to the end of this subsection:

- Keep the surface being used by bicycles & pedestrians free of all dirt, mud, gravel and other harmful materials. The surface includes bike paths, bike lanes, roadway shoulders or the outside 1.8 m (6 feet) of the roadway.

### SECTION 00290 - ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the Standard Specifications modified as follows:

**00290.32) Noise Control** - Replace the first bulleted item with the following:

- Perform no construction activity or servicing of equipment on Sundays, legal holidays, or between the hours of 6:00 p.m. and 7:00 a.m. on other days, without the approval of the Engineer.

Add the following:

- Noise levels in excess of 90 dbA measured at 16 m (50 feet) from the source are allowed only during the period beginning two hours after sunrise and ending two hours before sunset.

## SECTION 00300 – ROADWORK

### SECTION 00305 – CONSTRUCTION SURVEY WORK

Section 00305, which is not a Standard Specification, is included for this Project by Special Provision.

#### Description

**00305.00 Scope** - Provide construction survey work according to the current edition on the date of Advertisement, of the ODOT "Construction Surveying Manual for Contractors". This manual is available on the web at:

<https://www.oregon.gov/ODOT/HWY/GEOMETRONICS/Pages/documents.aspx>

#### Measurement

**00305.80 Measurement** - No measurement of quantities will be made for construction survey work.

#### Payment

**00305.90 Payment** - The accepted quantities of construction survey work will be paid for at the Contract lump sum amount for the item "Construction Survey Work".

Payment will be payment in full for furnishing all material, equipment, labor, and incidentals necessary to complete the work as specified.

No separate or additional payment will be made for all temporary protection and direction of traffic measures including flaggers and signing necessary for the performance of the construction survey work.

No separate or additional payment will be made for preparing surveying documents including but not limited to office time, preparing and checking survey notes, and all other related preparation work.

Progress payments will not be in excess of the reasonable value of the surveying work estimated by the Engineer.

Costs incurred caused by survey errors will be at the Contractor's expense. These costs include price adjustments for failure to meet requirements of the "Construction Surveying Manual for Contractors", repair or removal and replacement of deficient product, and over-run of material.

### SECTION 00330 - EARTHWORK

Comply with Section 00330 of the Standard Specifications modified as follows:

**00330.43(a) General** - Add the following to the end of this section:

All road subgrade excavation or embankment area shall be proof rolled by the Contractor in the presence of the Engineer with a loaded 7.7 m<sup>3</sup> (10 cubic yard) to 9.2 m<sup>3</sup> (12 cubic yard) dump truck or other comparable equipment acceptable to the Engineer to detect soft spots.

No separate measurement or payment will be made for the proof rolling of the road subgrade.

**00330.45 Filling of Holes** – Delete the last two sentences of this subsection and replace with the following:

Payment for this work shall be incidental with no separate measurement or payment.

Add the following at the end of the subsection:

Providing, installing, protecting, and removing of settlement plates is considered incidental to the work and no measurement will be made.

Add the following subsection:

**00330.83 Lump Sum Basis Measurement** – When payment for the earthwork bid items is on the lump sum basis, there will be no separate measurement of the work.

**00330.92 Kinds of Incidental Earthwork** - Add the following bulleted item to the end of this subsection:

- Earthwork outside the neat lines as shown on the Typical Sections, necessary to construct driveways and road approaches.

**00330.94 Embankment Basis Payment** - Replace the last paragraph with the following:

When there is not an excavation bid item and excavation of unstable material is part of a continuous operation it will be paid as Embankment in Place. When such excavation is not part of a continuous operation and the roadway excavation portion is complete and the contractor is required to move equipment in to perform the excavation, it will be performed as Subgrade Stabilization, Section 00331.

## SECTION 00400 – DRAINAGE AND SEWERS

### SECTION 00405 - TRENCH EXCAVATION, BEDDING AND BACKFILL

Comply with Section 00405 of the Standard Specifications modified as follows:

**00405.12 Bedding** – Replace this section with the following:

If not specified in the construction plans use commercially available 19 mm – 0 (3/4" – 0) crushed aggregate.

**00405.13 Pipe Zone Material** – Replace this section with the following

If not specified in the construction plans use commercially available 19 mm – 0 (3/4" – 0) crushed aggregate.

**00405.14 Trench Backfill** – Replace this section with the following:

If not specified in the construction plans for all trenches within the right-of-way use Class B 19 mm – 0 (3/4" – 0) crushed aggregate backfill or Class E Backfill. For trenches outside of the right-of-way use Class B 19 mm – 0 (3/4" – 0) crushed aggregate backfill or Class E Backfill, except when not under structures the top 600 mm (2 feet) maybe Class A Backfill.

**00405.40 General** – Add the following:

(e) At no expense to the Agency, the Contractor shall restore all known facilities that are damaged by his operations to at least preexisting condition.

**00405.41 Trench Excavation** – Add the following:

(h) **Pavement and Sidewalk Removal** – Removal of payment and sidewalk shall be incidental to trench excavation.

**00405.46(e) Temporary Trench Plating** – Add the following:

Temporary trench plating may not be used for more than a maximum of 48 hours at any one location. Any period exceeding 48 hours will require the backfilling of the trench with aggregate and capping with temporary HMAC.

**00405.90 Payment** – Add the following to the list of items under the heading *No separate or additional payment will be made for:*

- pavement removal
- sidewalk removal

## **SECTION 00445 - SANITARY, STORM, CULVERT, SIPHON AND IRRIGATION PIPE**

Comply with Section 00445 of the Standard Specifications modified as follows:

### **00445.00 Scope** – Add the following:

Installation and testing of storm and sanitary sewer pipe shall be in accordance with the current Clean Water Services Design and Construction Standards, except as modified herein, and is included in this section by reference. If there is a conflict between Clean Water Services standards and these specifications the more stringent standard shall control.

## **SECTION 00470 - MANHOLES, CATCH BASINS AND INLETS**

Comply with Section 00470 of the Standard Specifications modified as follows:

### **00470.41(c) Grates, Frames, Covers, and Fittings** - Add the following:

Vertical cuts in pavements for setting manhole to final grade shall be made with a concrete saw. A diamond-shaped opening shall be cut at 45 degrees to the traffic lane. Back fill with high early strength concrete conforming to section 00490.11 that will adequately cure in time to carry traffic during the hours of darkness, unless otherwise permitted. Comply with section 00405.46(e) when temporary trench plating is used. The concrete shall be left 50 mm (2 inches) below finish grade of the manhole. The top 50 mm (2 inches) shall be completed using 12.5 mm (1/2 inch) HMAC. Apply asphalt tack to all surfaces before placing the final 50 mm (2 inches) of asphalt concrete.

In street areas the initial setting of manholes and boxes shall be at finished base aggregate grade and shall not be adjusted to final grade until after all paving is complete.

Adjusted manholes and boxes shall be tested with a straightedge positioned as far as practical, over the center of the cover. The final grade of the pavement surface and adjusted manholes and boxes shall not vary more than 6 mm (1/4 inch) from the finish grade and cross section at any point along the straightedge. The Contractor shall furnish the straightedge and operate it under the direction of the Engineer.

The Contractor shall adjust existing manholes to finish grade as required to match new roadway grades and paving. Contractor shall provide the necessary labor, equipment, and materials to adjust the existing manholes.

## **SECTION 00600 – BASES**

### **SECTION 00640 - AGGREGATE BASE AND SHOULDERS**

Comply with Section 00640 of the Standard Specifications modified as follows:

**00640.10 Materials** – Replace the first sentence with the following:

Use 37.5 mm – 0 (1½ inch – 0) for base aggregate and 19 mm – 0 (¾ inch – 0) for leveling course.

## SECTION 00700 – WEARING SURFACES

### SECTION 00749 - MISCELLANEOUS ASPHALT CONCRETE STRUCTURES

Comply with Section 00749 of the Standard Specifications modified as follows:

**00749.80 Measurement** - Add the following after the first paragraph:

Asphalt driveways, alleys, and private roads will be measured from the back of the concrete sidewalk where concrete sidewalks exist or from the right-of-way line where they do not.

Asphalt driveway approaches, alley approaches, and private road approaches will be measured from the edge of the paved shoulder or back of the curb to the front edge of the concrete sidewalk where concrete sidewalks exist or to the right-of-way line where concrete sidewalks do not exist.

**00749.91 Method "A" – Mass (Weight) and Extras Basis**

Change the Unit of Measurement for item (a) Extra for Asphalt Approaches to Square Foot.

Add the following pay item(s):

Pay Item	Unit of Measurement
(j) Extra for Asphalt Driveways	Square Foot

Change the paragraph beginning with "Item (a) includes...." to read "Item (a) includes road approaches, street connections, driveway approaches, alley approaches, private road approaches, guard rail flares and mailbox turnouts.

Add the following sentence to this subsection:

Item (j) includes driveways, alleys, and private roads.

### SECTION 00759 - MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES

Comply with Section 00759 of the Standard Specifications modified as follows:

**00759.00 Scope** - Add the following:

This work consists of removing existing concrete walks and curbs, and constructing new Portland cement concrete sidewalk ramps with curbs. Walks are also defined as Sidewalks in this contract documents. Installation of drainage blockout of 3" inside diameter plastic pipe with coupling per City of Cornelius standard details S-11 and S-12 and extension of pipe beyond the back of sidewalk.

**00759.80 Measurement** - Add the following paragraphs to this subsection:

Concrete driveway approaches, commercial driveway approaches, and private road entrances shall be measured from the back of the curb line to the back of the concrete sidewalk line, where concrete

sidewalks exist, or to the right-of-way line where walks do not exist. Private road entrances shall be measured to the back of the ramp or right-of-way line whichever is less. Concrete driveways shall be measured from the edge of concrete driveway approaches, commercial driveway approaches, or private road entrances as described above and shall exclude measurement for any other pay item. No separate payment will be made for removal of existing curbs and sidewalks.

Measurement for Concrete Stairs shall be the horizontal surface area of the treads measured to the square foot. The pipe handrail(s) are incidental and no separate measurement shall be made.

Measurement for Monolithic Curb and Sidewalks shall be the horizontal surface area measured to the square foot.

Installation of drainage block-out including extension of pipe behind the sidewalk will be incidental to sidewalk. No separate payment will be made for this work.

**00759.90 Payment**

Add the following pay items:

<b>Pay Item</b>	<b>Unit of Measurement</b>
(q) Concrete Driveway Approaches	Square Foot
(r) Concrete Driveway Approaches, Reinforced	Square Foot
(s) Private Road Entrance	Square Foot

## **SECTION 00900 – PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS**

### **SECTION 00905 - REMOVAL AND REINSTALLATION OF EXISTING SIGNS**

Comply with Section 00905 of the Standard Specifications modified as follows:

**00905.40 General** - Add the following:

Existing signs and posts designated for "removal only" shall be protected and returned to the City of Cornelius, Public Works Department, 1300 S. Kodiak Circle, Cornelius, OR

## **SECTION 01100 – WATER SUPPLY SYSTEMS**

### **SECTION 01140 – POTABLE WATER PIPE AND FITTINGS**

Comply with Section 01140 of the Standard Specifications modified as follows:

**01140.00 Scope** – Add the following:

If conflicts exist between these standards and the City of Cornelius Public Works Standards, the City Standards shall prevail.

### **SECTION 01150 – POTABLE WATER VALVES**

Comply with Section 01150 of the Standard Specifications modified as follows:

**01150.00 Scope** – Add the following:

If conflicts exist between these standards and the City of Cornelius Public Works Standards, the City Standards shall prevail.

Add the following section:

**01150.53 Water Valve Box Adjustment** - The Contractor shall adjust existing valve boxes to finish grade as required to match reconstructed roadway grades and paving. Contractor shall provide the necessary labor, equipment, and materials to adjust the existing valve boxes. Existing valve boxes that cannot be adjusted shall be removed. The Contractor shall obtain a replacement valve box provided by the City of Cornelius Public Works Department and install it as required. The Contractor shall install valve nut extensions as required when the top of the valve is more than four (4) feet below finished grade. Work shall be performed in accordance with Section 00490.

### **SECTION 01160 – HYDRANTS AND APPURTENANCES**

Comply with Section 01160 of the Standard Specifications modified as follows:

**01160.00** – Add the following:

If conflicts exist between these standards and the City of Cornelius Public Works Standards, the City Standards shall prevail.

Add the following section:

**01160.49 Installing Hydrants on Existing Mains**

Where new or existing hydrants are to be connected to an existing main, the Contractor shall install a tapping sleeve and valve as detailed in the plans and described in Section 01140 of these Special Provisions.