

JACKSON COUNTY
SUPPLEMENTAL
STANDARD SPECIFICATIONS

FOREWORD

The Standard Specifications which are applicable to the Work on this project are the 2021 edition of the Oregon Standard Specifications for Construction (“Standard Specifications”), as modified by these Jackson County Supplemental Standard Specifications (“Supplemental Standard Specifications”).

All number references in the Supplemental Standard Specifications refer to the section and subsection of the Standard Specifications. These Supplemental Standard Specifications modify the Standard Specifications. The Special Provisions (if any) are the job-specific modifications to the Standard Specifications and Supplemental Standard Specifications. If there is a conflict and/or inconsistency between the documents comprising this Contract, the Standard General Conditions for Public Improvement Contracts Section A.3.1 shall control the order of precedence.

PART 00100 - GENERAL CONDITIONS

Section 00110 - Organization, Conventions, Abbreviations and Definitions

Comply with Section 00110 of the Standard Specifications supplemented and/or modified as follows:

00110.10 Abbreviations

Add the following abbreviation to the abbreviation list:

MWC – Medford Water Commission

00110.20 Definitions

Replace the definition “**Bid Booklet**” in the definition list with the following:

Bid Booklet – The bound or electronic version that contains the information outlined in 00120.10.

Add the following definitions to the definition list:

Business Day - Monday through Friday, except for legal holidays.

Productive Work - Contractor actively pursuing Pay Item Work or clean up. The process of flagging is not considered Productive Work.

Work Day - Any day in which Work is allowed and performed. The Work day begins at the time Productive Work begins, and ends when Productive Work ends.

Working Hours – Business Days from 7am to 7pm.

Section 00120 - Bidding Requirements and Procedures

Comply with Section 00120 of the Standard Specifications supplemented and/or modified as follows:

00120.00 Prequalification of Bidders

Replace this subsection, except for the subsection number and title, with the following:

Requirements for Prequalification are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.01 General Bidding Requirements

Replace this subsection, except for the subsection number and title, with the following:

Requirements for bidding are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.05 Request for Plans, Special Provisions, and Bid Booklets

Replace this subsection, except for the subsection number and title, with the following:

Requirements for Request of Plans, Special Provisions, and Bid Booklets are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.20 Interpretation of Quantities in Bid Schedule

Add the following to the end of this subsection:

It is expressly understood that all Work called for on the plans and in the specifications shall be completed under the existing Pay Items, and all measurement and payment shall be based on English basis units.

00120.30 Changes to Plans, Specifications, or Quantities before Opening of Bids

Replace this subsection, except for the subsection number and title, with the following:

Requirements for submittal of bids are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.40 Preparation of Bids

Replace this subsection, except for the subsection number and title, with the following:

Requirements for submittal of bids are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.45 Submittal of Bids

Replace this subsection, except for the subsection number and title, with the following:

Requirements for submittal of bids are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.50 Submitting Bids for More than One Contract

Delete all references to electronic bids.

00120.60 Revision or Withdrawal of Bids

Replace this subsection, except for the subsection number and title, with the following:

Requirements for submittal of bids are detailed in the Invitation to Bid and Instructions to Bidders of the Bid Documents.

00120.70 Rejection of Non-responsive Bids

Delete the bullet that begins “The Bid is submitted on documents...” in its entirety.

Delete the bullet that begins “An electronic Bid is not...” in its entirety.

Add the following bullet to the bullet list:

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

Section 00130 - Award and Execution of Contract

Comply with Section 00130 of the Standard Specifications supplemented and/or modified as follows:

00130.10 Award of Contract

Replace this subsection, except for the subsection number and title, with the following:

Intent to Award is detailed in the Instructions to Bidders of the Bid Documents.

00130.15 Right to Protest Award

Replace this subsection, except for the subsection number and title, with the following:

Right to Protest is detailed in the Instructions to Bidders of the Bid Documents.

00130.40(b) Certificates of Insurance

Replace this subsection, except for the subsection number and title, with the following:

Insurance Requirements are detailed in the Bidder Insurance Requirements of the Bid Documents.

00130.50 Execution of Contract and Bonds

Replace this subsection, except for the subsection number and title, with the following:

Execution of Contract and Bonds are detailed in Bidder’s Proposal and Construction Contract of the Bid Documents.

00130.60 Failure to Execute Contract and Bonds

Replace this subsection, except for the subsection number and title, with the following:

Failure to Execute Contract and Bonds are detailed in Bidder's Proposal and Construction Contract of the Bid Documents.

00130.70 Release of Bid Guaranties

Replace this subsection, except for the subsection number and title, with the following:

Release of Bid Guaranties are detailed in Instructions to Bidders of the Bid Documents.

00130.90 Notice to Proceed

Replace this subsection, except for the subsection number and title, with the following:

"Notice to Proceed" will be issued within 15 calendar days of execution of the Contract by Jackson County.

Section 00140 - Scope of Work

Comply with Section 00140 of the Standard Specifications supplemented and/or modified as follows:

00140.00 Purpose of Contract

Add the following bullets to the bullet list:

- Work completed under this contract is limited to the Pay Items listed in the Contract Schedule of Items, plus authorized change orders, if any.

00140.90 Final Trimming and Cleanup

Add the following bullet to the bullet list:

- Coordinate with the Project Surveyor on survey materials to remain in-place; the Contractor shall dispose of all other construction survey materials. These Materials and debris become the property of the Contractor. The Contractor shall dispose of these Materials and debris immediately.

Before the last paragraph that begins "Unless the Contract..." add the following:

Attention is especially directed to the provisions of subsection 00140.90. In addition to those provisions, and as nearly as practicable, clean up shall accompany the Work as it progresses, especially with regard to debris removal.

Section 00150 - Control of Work

Comply with Section 00150 of the Standard Specifications supplemented and/or modified as follows:

00150.10(a) Order of Precedence

Replace this subsection, except for the subsection number and title, with the following:

Refer to Section A.3.1 of the Standard General Conditions for Order of Precedence.

00150.50(c) Contractor's Responsibilities

Replace the bullet that begins "Protect from damage or disturbance any Utility that remains..." with the following bullet:

- Protect from damage or disturbance any Utility that remains within the area in which Work is being performed. Maintain and re-establish location marks according to OAR 952-001-0090(3)(a). Coordinate re-establishment of the location marks with associated Utility;

Replace the bullet that begins "Determine the exact location before excavating within..." with the following bullet:

- Determine the exact location before excavating within the tolerance zone according to OAR 952-001-0090(3)9c);

Replace the bullet that begins "In addition to the notification required in OAR 952-001-0090(5), notify the Engineer..." with the following bullet:

- In addition to the notification required in OAR 952-001-0090(6), notify the Engineer and the Utility as soon as the Contractor discovers any previously unknown Utility conflicts or issues. Contrary to the OAR, stop excavating until directed by the Engineer and allow the Utility a minimum of two weeks to relocate or resolve the previously unknown Utility issues; and

Add the following bullets to the end of the bullet list:

- Hold a Utility scheduling meeting and monthly Utility coordination meetings (see also 00180.42);
- After receiving Notice to Proceed, the Contractor shall be responsible for planning with Utility owners to have utilities adjust or relocated.

Add the following paragraphs to the end of this subsection:

Refer to the Special Provisions for a list of utilities with facilities located within the project limits.

Adjustment of valve boxes and manhole lids to finish grade will be completed under existing Pay Items, unless modified in the Special Provisions.

Scheduling and cooperation are recommended between the Contractor and the utility companies to avoid unnecessary delay. In case utility conflicts are encountered, it shall be the Contractor's responsibility to coordinate or adjust any such facilities as directed by the Engineer. Prior to the underground installations, the Contractor shall pothole all potential grade conflicts and notify the Engineer of any conflicts before start of Work. The Contractor shall be responsible for safeguarding all utilities within the project limits for the duration of the contract. Contractor will be responsible for calling the designated contact person as identified in the Special Provisions for affected utilities.

The Contractor shall hold monthly utility coordination meetings with utility companies and Agency representatives (both in the office and in the field if necessary) to coordinate project activities with utilities and on-going utility relocation Work. The coordination meetings shall include detailed discussions of, but not be limited to, existing and abandoned utilities, service lines, critical locations for pot holing of utilities, project activities, and on-going utility relocations in upcoming project activity areas. The Contractor shall obtain utility base map drawings from each utility at these meetings and will be required to fully understand the scope, extent, locations, and significance of all utility facilities prior to starting Work in a new activity area. The Contractor shall furnish utility agencies updated project schedules in conjunction with the Agency.

Prior to starting any Work on-site, the Contractor shall submit a written Utility Coordination Report. The Utility Coordination Report shall identify the specific utility coordination accomplished to date by the Contractor for all existing in-service and abandoned facilities. The report shall include contact names, numbers, dates, and utility base map drawings that the Contractor has obtained. In addition, the report shall contain documents showing that the Contractor had accomplished utility locates, and that utility locates along with applicable construction activities including traffic control plans have been reviewed and discussed with utility representatives on-site. The Utility Coordination Report shall be submitted to the Project Manager for review and approval 7 days before the Pre-Construction Conference and may be submitted for the project as a whole, or for specific areas within the project.

Plan and schedule all utility adjustment operations well in advance of on-site work. As soon as the Contractor becomes aware of any previously unknown utility conflicts or issues, the applicable utilities shall be notified immediately. Allow utilities a minimum of 2 weeks to relocate or resolve the previously unknown utility issues.

Prior to the start of Work, review utility locates with a representative of each utility on-site to ensure that all in-service utilities, including service laterals, and known abandoned facilities are correctly identified in the field. Similarly, where construction activities extend onto private property (e.g. easements), coordinate and review service line locations, including service laterals, with the private property owners.

Earthwork activities (e.g., slope cuts/fills, ditch excavations, etc.) shall occur around existing below-grade and at-grade utilities. The Contractor shall coordinate with utilities when conducting operations in these locations and allow the utilities access to temporarily support, brace, and otherwise protect their facilities during the Work operations where applicable. Storm facilities cross over or under existing utilities, the

plans do not always specifically identify whether new storm facilities cross over or under existing utilities. Lateral supports, subjacent supports, and minimizing the length of exposed utilities shall be required in these locations. Non-invasive excavation techniques shall be required when working within the reasonable accuracy zone of any utilities. Potholing for the purpose of exposing utilities prior to excavation shall be required when working within the reasonable accuracy zone of utilities. Backfill exposed utilities as recommended and approved by the utility representative. Telecommunication facility trenches shall be backfilled with concrete slurry. The Contractor shall save all utility locate and warning markers removed during construction activities, and reinstall them following the activities. Removal and replacement of the utility locate and warning markers shall be coordinated with the associated utility.

Utilities abandoned during the project and existing abandoned utilities exposed by the Work shall be removed and disposed of according to the requirements of sections 00310 and 00330. Throughout the project limits, an extensive number of abandoned utilities, including numerous cables, conduits, pipes, manholes, and vaults, may be encountered during excavation activities. During these activities, coordinate with utility agencies and verify that abandoned utilities encountered are no longer in service prior to removal and disposal.

00150.50(d) Delays

Replace this subsection, except for the subsection number and title, with the following:

If the Contractor has complied with 00150.50(c), and if Utility adjustments are completed later than the date specified in the Special Provisions, or unanticipated utilities are encountered during construction, thus causing Project completion to be delayed (provide notification under 00180.60), additional Contract Time will be considered under 00180.80. Monetary compensation for delay, remobilization, or insignificant changes as defined in 00195.20 shall not be considered. Where utility delays cause a significant change in the character of the Work as defined in subsection 00195.20 compensation shall be considered, but only if the Contractor notifies Jackson County in writing of the specific significant changes before the affected Work is performed.

Section 00160 - Source of Materials

Comply with Section 00160 of the Standard Specifications supplemented and/or modified as follows:

00160.05 Qualified Products List (QPL)

Add the following to the end of this subsection:

Slurry backfill shall meet Jackson County's trench backfill requirement for controlled low strength materials (CLSM). For information on CLSM see Section 00442, or go online to:

<https://jacksoncountyor.org/roads/Partners/Controlled-Low-Strength-Materials-Specification>

Section 00165 - Quality of Materials

Comply with Section 00165 of the Standard Specifications supplemented and/or modified as follows:

00165.30(c) Acceptance of Field-Tested Materials

Replace this subsection, except for the subsection number and title, with the following:

The Engineer may sample and cause outside acceptance tests to be performed to assure that materials furnished meet contract specifications. The Contractor's quality control testing, acceptance tests, and Engineer's visual observation provide the basis for the County Engineer's decision on acceptance of materials. The County Engineer's decision is final, as described in subsection 00150.00.

00165.40(d) Pay Factor and Composite Pay Factor Computation

Replace this subsection, except for the subsection number and title, with the following:

No pay factors or composite pay factors will be paid under this contract unless they are individually and specifically provided for in the Special Provisions.

Section 00170 - Legal Relations and Responsibilities

Comply with Section 00170 of the Standard Specifications supplemented and/or modified as follows:

00170.02 Permits, Licenses, and Taxes

Add the following bullets to the bullet list:

- The Contractor's attention is directed to ORS Chapter 541 which pertains to the permit requirements for removal materials from the bed or banks of any natural waterway in the State of Oregon and to ORS 517.750 through 517.990 which pertains to the permit requirements of the Mined Land Reclamation Act which became law on July 1, 1972;
- For Agency Projects, comply with Jackson County's blanket permit #1200-CA from the Oregon Department of Environmental Quality (copy enclosed);
- A fill permit from the Jackson County Building Department may be required for disposal of excess excavated materials on off-site private properties.

00170.08 Electronic Document Management

Delete this subsection in its entirety.

00170.70 Insurance

Replace this subsection, except for the subsection number and title, with the following:

Insurance Coverage is detailed in the Bidder Insurance Requirements of the Bid Documents. Additional Insured may be listed in the Special Provisions.

Section 00180 - Prosecution and Progress

Comply with Section 00180 of the Standard Specifications supplemented and/or modified as follows:

Add the following subsection:

00180.40(c) Specific Limitations

Limitation of operations specified in these supplemental standard specifications include, but are not limited to the following:

<u>Limitations</u>	<u>Subsection</u>
Cooperation with Utilities	00150.50
Cooperation with Other Contractors	00150.55
Railways	00170.01(e)
On-Site Work	00180.40(b)
Contract Time	00180.50(h)
Right-of-Way and Access Delays	00180.65
Closed Lanes	00220.40(e)(1)
Special Events	00220.40(e)(2)(b)
Limited Duration Road Closure	00220.40(f)
Road Closure Using Rolling Slowdown Method	00220.40(g)
Regulated Work Areas	00290.34(a)
Noise Control	00290.32
Maintenance Under Traffic	00620.43
Opening Sections to Traffic	00744.51
Opening Section to Traffic	00745.51

Contractor shall be aware of and subject to all other agency schedules and operational limitations in the Standard Specifications not specifically listed in this subsection.

Add the following subsection:

00180.40(d) Holidays

No Work shall be permitted on legal holidays as specified in ORS 187.010. In addition, all Work on projects shall stop and be suspended for the duration of the holiday by 5:00 p.m. the day preceding a holiday or the Friday before a 3-day holiday weekend.

Add the following subsection:

00180.40(e) Weekends

Weekend Work is not allowed unless approved by the County Engineer. The Contractor shall give notification for intent to perform Work on weekends by 12:00 p.m. of the preceding Wednesday. Weekend Work will be approved or denied on a case by case basis.

Add the following subsection:

00180.40(f) Working Hours

Work shall only be performed during Working Hours unless otherwise approved by the County Engineer. Requests to Work outside of normal Working Hours will be approved or denied on a case by case basis.

00180.42 Preconstruction Conference

Add the following to the end of this subsection:

A minimum of 7 Calendar Days prior to preconstruction conference, the Contractor shall submit to the Agency for approval the following:

- Initial Project Work Schedule
- Erosion and Sediment Control Plan
- Erosion and Sediment Control Project Information Sheets
- Spill Prevention Control and Countermeasure Plan
- The Utility Coordination Report
- Pollution Control Plan
- Staging and Work Zone Traffic Control Plans

The Contractor shall conduct a group Utilities scheduling meeting with representatives from the Utility companies involved with this Project and the Engineer before the preconstruction conference. The Contractor shall incorporate the Utilities time needs into the Contractor's schedule submitted at the preconstruction conference.

00180.50(a) General

Replace this subsection, except for the subsection number and title, with the following:

The time allowed for the completion of the contract is listed in the Special Provisions and will be known as the "Contact Time". (See 00110.20.)

Once Work commences, and with the exception of adverse weather delays as defined in the Standard General Conditions, the Contractor shall Work continuously until the project is complete. For failure to complete the Work by the specific time, the Contractor will be charged Liquidated Damages in accordance with 00180.85.

00180.50(g) End of Contract Time

Replace the paragraph that begins “The Contractor shall...” with the following paragraph:

If the Contractor does not complete these items within 10 Working Days or if defects in the Work appear, the Second Notification will be revoked, and time charges will resume.

00180.85(b) Liquidated Damages

Replace the paragraph that begins “Delays in the Contractor’s...” with the following paragraph:

The Agency will sustain damage if the Work is not completed within the specified Contract Time. However, in certain Agency projects it may be unduly burdensome and difficult to demonstrate the exact dollar value of such damages. In these projects, the Contractor agrees to pay to the Agency, not a penalty but as liquidated damages, the amount specified in the table below for each Calendar Day or Work Day the Contractor expends performing the Contract in excess of the Contract Time or adjusted Contract Time.

The following liquidated damages apply for failure to complete the Work on time:

Original Amount of Contract		Per Diem Amount of Liquidated Damages	
For More Than	To And Including	Calendar Day*	Work Day
\$ 0	\$ 25,000	\$50	70
25,000	50,000	100	140
50,000	100,000	200	280
100,000	500,000	400	560
500,000	1,000,000	700	980
1,000,000	2,000,000	1,000	1,400
2,000,000	5,000,000	1,300	1,820
5,000,000	10,000,000	1,600	2,240
10,000,000	----	2,000	2,800

* Calendar Day amounts are applicable when the contract time is expressed on the Calendar Day, Calendar Work Day, or fixed date basis.

Add the following subsection:

00180.85(c) Lane Closures and Rolling Slowdown Closures

Lane closures beyond the limits specified will inconvenience the traveling public and will be a cost to the Agency.

Lane Closures - It is impractical to determine the actual damages the Agency will sustain in the event traffic lanes are closed beyond the limits listed in 00220.40(e). Therefore, the Contractor shall pay to the Agency, not as a penalty, but as liquidated damages, \$500 per 15 minutes, or for a portion of 15 minutes, per lane, for any lane closure beyond the limits listed in 00220.40(e) or 00220.40(f). In addition to the liquidated damages, all added cost for traffic control measures, including flagging, required to maintain the lane closures beyond the allowed time limits, will be at no additional cost to the Agency. The required traffic control measures will be as determined by the Engineer.

The Engineer will determine when it is safe to reopen lanes to traffic. Assessment of liquidated damages will stop when all lanes have been safely reopened. Any liquidated damages assessed under these provisions will be in addition to those listed in 00180.85(b).

Add the following subsection:

00180.85(d) Rolling Slowdown Closures

Rolling slowdown closures beyond the limits specified will inconvenience the traveling public and will be a cost to the Agency.

It is impractical to determine the actual damages the Agency will sustain in the event traffic lanes are closed by the Rolling Slowdown Method. Therefore, the Contractor shall pay to the Agency, not as a penalty, but as liquidated damages, \$500 per 20 minutes, or for a portion of 20 minutes, per lane, for any lane closure beyond the 20-minute limit listed in 00220.40(g). In addition to the liquidated damages, any added cost for traffic control measures, including flagging or pilot cars, required to maintain the lane closures beyond the allowed time limits, will be at no additional cost to the Agency. The required traffic control measures will be as determined by the Engineer.

The Engineer will determine when it is safe to reopen lanes to traffic. Assessment of liquidated damages will stop when all lanes have been safely reopened. Any liquidated damages assessed under these provisions will be in addition to those listed in 00180.85(b), but not in addition to 00180.85(c) for closures of the same lanes.

Add the following subsection:

00180.85(e) Traffic Delays Beyond 20 Minutes

Stopping or holding vehicles beyond the limits specified will inconvenience the traveling public and will be a cost to the Agency.

It is impractical to determine the actual damages the Agency will sustain in the event traffic is stopped or held longer than the 20-minute limit listed in 00220.02. Therefore, the Contractor shall pay to the Agency, not as a penalty, but as liquidated damages, \$500 per 20 minutes, or for a portion of 20 minutes, for stopping or holding traffic longer

than 20 minutes. In addition to the liquidated damages, any added cost for traffic control measures, including flagging, required to stop or hold traffic beyond the 20-minute time limit, will be at no additional cost to the Agency. The required traffic control measures will be as determined by the Engineer.

Assessment of liquidated damages will stop when the Engineer determines that traffic is no longer stopped or held beyond the 20-minute limit. Any liquidated damages assessed under these provisions will be in addition to those listed in 00180.85(b).

Section 00190 - Measurement of Pay Quantities

Comply with Section 00190 of the Standard Specifications supplemented and/or modified as follows:

00190.20(f)(2) Scale Without Automatic Printer

Replace this subsection, expect for the subsection number and title, with the following:

Scale without automatic printer will not be permitted.

00190.20(g) Agency-Provided Weigh Technician

Replace this subsection, expect for the subsection number and title, with the following:

All weighing of materials shall be done by Contractor provided Weigh Technician in accordance with the requirements of 00190.20(f).

Section 00195 - Payment

Comply with Section 00195 of the Standard Specifications supplemented and/or modified as follows:

00195.00(a) General

Add the following paragraph to the end of this subsection:

Fuel for operation of all equipment, trucking and manufacturing processes required for prosecution of the Work is considered as an incidental cost to the Contractor. No additional payment or compensation shall be made for price fluctuations.

00195.10 Payment for Changes in Material Costs

Replace this subsection, expect for the subsection number and title, with the following:

Material Cost for such items as Asphalt Cement, Portland Cement and Steel will only be considered on items specifically listed in Special Provisions for consideration of a price escalation/de-escalation adjustment.

00195.20(b) Significant Changed Work

Add the following paragraphs to the end of this subsection:

When the final quantities of a major item of Work, as defined in the following paragraph, is more than 125% or less than 75% of the original contract quantity, any allowance by the Engineer for an increase in quantity shall apply only to that portion in excess of 125% of original contract item quantity, or in case of a decrease below 75% to the actual amount of Work performed.

A major item of Work is any contract item, except lump sum items, having an original contract value greater than 10 percent of the total amount of the contract.

Section 00196 - Payment for Extra Work

Comply with Section 00196 of the Standard Specifications supplemented and/or modified as follows:

00196.00 General

Add the following to the beginning of this subsection:

Section 00196 of the 2021 Standard Specifications takes precedence over the Standard General Conditions for payment of extra Work.

Section 00197 - Payment for Force Account Work

Comply with Section 00197 of the Standard Specifications supplemented and/or modified as follows:

00197.00 Scope

Add the following to the beginning of this subsection:

Section 00197 of the 2021 Standard Specifications takes precedence over the Standard General Conditions for payment of extra Work.

Section 00199 - Disagreements, Protests, and Claims

Delete this subsection in its entirety.

PART 00200 – TEMPORARY FEATURES AND APPURTENANCES

Section 00210 – Mobilization

Comply with Section 00210 of the Standard Specifications supplemented and/or modified as follows:

00210.40 Mobilization

Delete the bullet that begins “Obtaining and maintaining access...” in its entirety.

Add the following bullet to the bullet list:

- The Contractor is entirely responsible for all security and liability on any property used for staging purposes.

Section 00220 - Accommodations for Public Traffic

Comply with Section 00220 of the Standard Specifications supplemented and/or modified as follows:

00220.02(a) General Requirements

Replace the bullet that begins “Locate stockpile Materials...” with the following bullet:

- Locate stockpile Materials and park construction Equipment and vehicles that are not in active use a minimum of 10 feet from the Traveled Way. If this is not possible, protect the stockpile Materials, Equipment, and vehicles, with barrier or as directed by the County Engineer.

Replace the bullet that begins “Do not use temporary steel...” with the following bullet:

- Provide jump plate locks on all temporary steel jump plates.

Replace the bullet that begins “Delineate all business...” with the following bullet:

- Delineate all business accesses with minimum 5 each per side, closely spaced, blue colored tubular markers on 10-foot maximum spacing. Mark the access with 36 by 24 inch, blue colored, “BUSINESS ACCESS” (CG20-11) signs. Locate and install these signs as directed.

Add the following bullets to the bullet list:

- At the end of each Work Day a temporary asphaltic concrete ramp shall be constructed at residential or business entrances so that a reasonable ramp up or drop off is left at the entrances. Each ramp shall be constructed of suitable materials and a satisfactory length to permit convenient ingress-egress for vehicular traffic.
- Maintain posting of all regulatory, warning, and directional signage throughout the project duration. Any signs requiring removal for prosecution of the Work shall be immediately relocated to a location satisfactory to the Engineer. Contractor is responsible for maintenance of all relocated signs, until Jackson County permanently relocates signs following project completion.

- During multiple lift paving operations, the Engineer may request the paving limits be extended by winging out paved driveway locations (excluding wearing course) to provide a ramp between the new asphalt and existing driveway surfaces.
- During adverse weather conditions, including fog, where visibility is reduced to 1,000 feet or less and/or other hazardous conditions exist, the Engineer may suspend all Work on roadways and inside right-of-way until conditions are deemed safe to resume Work.
- Contractor to develop Staging and Work Zone Traffic Control Plans to submit to the Agency for approval, a minimum of 7 Calendar Days prior to the Pre-Construction Conference.
- At all times the Contractor shall limit lane closures to minimize the impact to the traveling public, and minimize impacts to the intersections and cross streets. In the project work zone, the maximum delay for multiple work zones with single lane closures shall not exceed 20 minutes collectively.
- Temporary single lane traffic control configurations shall provide traffic lane widths not less than 14 feet, whenever possible. Local cyclists and pedestrians will be permitted to share temporary lane widths with motorists where currently no sidewalks or paved shoulders exist. Where existing paved shoulder routes are not available, the width of any shared travel lane in or adjacent to the project area shall be minimum width of 14 feet clear of any and all traffic control measures, stored materials or equipment in order to provide for shared bike, pedestrian, and vehicular traffic. Lanes of less than 14 feet shall be specifically approved by the County Engineer.
- Do not perform Work which would restrict or interrupt traffic movement on opposite sides of the traveled way at the same time unless specifically approved by the County Engineer. Multiple, concurrent, single lane closures in opposing directions must be separated by a minimum of 1,000 feet. Restore two-lane traffic in off periods on nights and weekends.
- Schedule Grinding/Paving operations so that the traveling public does not travel on grooved pavement or graveled surfaces for more than 21 Calendar Days before pre-leveling or base course paving is completed in travel lanes.
- During Grinding/Paving operations, temporary asphalt wedges shall be constructed and maintained at all driveways, approaches, and at any other vertical drop offs as directed by the Engineer, in order to protect from hazardous drop offs greater than 1-inch depth until top lift paving can be installed.
- 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.
- Do not fully close business accesses during business hours without alternate routes and prior 24-hour notice to business owners. Provide written notice (fliers) as directed by the Engineer, if required.
- Provide approved protection and delineation between each work area and active public travel lanes with barrels (not tubular markers), unless otherwise noted in the Contract Documents or on the County approved Traffic Control Plan. This shall supersede ODOT standard TM series drawings. Tubular marker may be

used to delineate fog lines, driveways, or separate Local Traffic under road closure only.

- 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.
- 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” (CW-21-7) 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.

00220.03(b) Closures

Replace the bullet that begins “**Roads** – A minimum...” with the following:

- **Roads** – A minimum of 14 Calendar Days before closure. Provide detailed scaled drawings based on aerial photos of subject area showing traffic control plan and signing proposed. No detour or road closure plan will be permitted until approved by the County Engineer. After the plan is approved, notify all emergency agencies, school districts, US Postal Service, disposal/recycling pickup companies, and other affected municipalities a minimum of 7 Calendar Days prior to closure. Portable Changeable Message Signs shall be placed bearing notice of closure, dates of the closure, and alternate routes a minimum of 5 Calendar Days prior to closure.

00220.40(a) Traffic Nuisance Abatement

Replace the bullet that begins “Apply a fine...” with the following:

- Apply a fine spray of water to the surface if mechanical cleaning methods have been used and the Engineer determines the use of water is necessary.

00220.40(c) Driveways

Add the following bullet to the bullet list:

- Temporary driveway connections on gravel are permitted until paved driveway connections are finished. Schedule driveway paving operations such that final paving is completed within 21 Calendar Days after aggregate base placement and/or concrete surfacing is completed.

00220.40(e)(2)(a) Holidays

Add the following bullets to the bullet list:

- Martin Luther King’s Birthday (3rd Monday in January)
- President’s Day (3rd Monday in February)
- Juneteenth (June 19)
- Veteran’s Day (November 11)

Add the following subsection:

00220.40(f) Maintenance of Road Surface

At any time during the earthwork stage of construction when wet weather conditions occur, the Engineer may require the Contractor to place a layer of aggregate base material on the grade to ensure the safe movement of traffic. No payment will be made for this Work if surface is below design subgrade. Payment may be made under appropriate aggregate base Pay Item if material is placed on an approved grade and remains in suitable condition for incorporation in the structural road section.

At no time shall the Contractor leave the surface of the roadway in a condition that could cause damage to vehicles. Aggregate subbase shall be covered with aggregate base rock prior to opening the roadway to public access or by end of Work Day. If not to grade, Contractor shall place a layer of aggregate base over the aggregate subbase. Payment for furnishing and placing this aggregate base material shall be paid for under the aggregate subbase Pay Item.

During construction, the Contractor shall ensure that the road is always left in good condition. Damages to the existing road surface caused by Contractor’s equipment shall be repaired by the Contractor at the Contractor’s expense. At a minimum, repairs shall include, but not limited to, a course of aggregate base material that is graded and compacted to restore the road surface. In the event inclement weather increases damage to the road surface, the County Engineer reserves the right to stop Work on the project.

Add the following subsection:

00220.40(g) Maintain Traffic Flow

Contractor operations shall maintain two-way traffic whenever possible. Where lanes are closed, one-way traffic shall be flagger/pilot car controlled at all times. At the end of each Work Day, two-way traffic shall be restored.

The queue created by traffic control shall not at any time or for any duration extend into a signalized intersection unless specific permission has been granted by the County Engineer. Coordinate with the County Engineer for arrangements to turn off signals for temporary control of work zones. Such permission will require the signal to be turned off and the intersection be controlled by flaggers.

Maintain access to existing and/or temporary mailbox locations at all times. Coordinate with property owners/mail carriers prior to temporary displacements.

For any lane closures that would not allow a bus to stop for passengers on any normal schedule or route locations, one-week notice is required by bus operators to relocate stops and notify passengers. Bus operators require daily notice of all lane closures. Message boards are encouraged to facilitate communication regarding work zone delays for approaching motorists.

Jackson County welcomes traffic control proposals that will meet the intent of these requirements while facilitating the Work. No such proposal shall be implemented until written approval is received from Jackson County.

Add the following subsection:

00220.40(h) Liquidated Damages

Lane closures and road closures beyond the limits specified will inconvenience the traveling public and will be a cost to the Agency.

It is impractical to determine the actual damages the Agency will sustain the event traffic lanes are closed beyond the limits listed in 00220.40(e). Therefore, the Contractor shall pay the Agency, not as a penalty, but as liquidated damages, \$500 per 15 minutes, or for a portion of 15 minutes, per lane, for any lane closure beyond the limits listed in 00220.40(e). In addition to the liquidated damages, all added cost for traffic control measures, including flagging, required to maintain the lane closures beyond the allowed time limits, will be at no additional cost to the Agency. The required traffic control measures will be as determined by the Engineer.

The Engineer will determine when it is safe to reopen lanes to traffic. Assessment of liquidated damages will stop when all lanes have been safely reopened. Any liquidated damages assessed under these provisions will be in addition to those listed in 00180.85(b).

00220.60(a)(1) Contractor Responsibility

Add the following bullets to the first bullet list:

- Jump plates in travel lanes shall be removed from completed trenches within 10 days of set of cured slurry and replaced with temporary cold mix patching or similar cohesive material at grade.
- All jump plates must be removed and replaced with cold mix if snow accumulations are predicted.
- Provide jump plate locks on all temporary steel jump plates.
- Placement or storage of spoils from trench excavation is not permitted on hard surface streets within public right-of-way. Spoils stored in other right-of-way areas shall be covered to prevent erosion.

Section 00221 – Common Provisions for Work Zone Traffic Control

Comply with Section 00221 of the Standard Specifications supplemented and/or modified as follows:

00221.02 General Requirements

Add the following to the end of this subsection

Include standard ODOT TM drawings when referenced and clearly note which options are to be implemented and which options are not.

Jackson County welcomes Traffic Control plans that will meet the intent of these requirements and facilitate the Work. No such plan shall be implemented until written approval is received from Jackson County.

00221.03 Traffic Safety and Operations

Add the following bullet to the bullet list:

- The queue created by traffic control shall not at any time or for any duration extend into a signalized intersection unless specific permission has been granted by the County Engineer. Coordinate with the Agency for arrangements to turn off signals for temporary control of work zones. Such permission will require the signal to be turned off and the intersection be controlled by flaggers.

00221.06 Traffic Control Plan

Replace this subsection, except for the subsection number and title, with the following:

The Contractor will be allowed to use or modify the Agency's TCP if one is included in Bid Documents, or use a TCP developed by the Contractor. Submit the following for approval 7 Calendar Days prior to the preconstruction conference:

00221.06(a) Agency Traffic Control Plan

Replace this subsection, except for the subsection number and title, with the following:

If the Agency's TCP is included in the Bid Documents and is used without modification, a written notification from the Contractor indicating that the Agency's TCP will be used without modification must be submitted 7 Calendar Days prior to the preconstruction conference.

00221.06(b) Contractor Modified Traffic Control Plan

Replace this subsection, except for the subsection number and title, with the following:

If the Contractor requests to use a modified Agency TCP, or a TCP developed by the Contractor, provide proposed TCP showing all TCM and quantities of TCD and the following:

- A TPAR plan that includes:
 - Details and features used to provide pedestrian accessibility.
 - Pedestrian staging Plans at a scale no smaller than 1 inch = 50 feet.
 - Temporary alternate facilities or detour routes for pedestrian traffic.
- Staging sequences and details for Work affecting vehicular, pedestrian, and bicycle traffic.
- Proposed order and duration of the TCM.
- A detailed temporary striping plan.
- The placement of light plants and portable changeable message signs, if applicable.
- The locations of the blue and white “Business Access” signs, if applicable.

All TCP submitted must be overlaid on an aerial photo. All TCP shall also include north arrows, road names, signs, and any other TCD used. All distances between TCD shall be dimensioned and clearly displayed on the plan. Hand drawn traffic control plans will not be accepted.

If additional modifications are made to the Contractor modified Agency TCP or the Contractor’s TCP, submit TCP, according to 00221.06(b), at least 14 Calendar Days before beginning the construction activities that require the TCP changes.

Section 00223 – Work Zone Traffic Control Labor and Vehicles

Comply with Section 00223 of the Standard Specifications supplemented and/or modified as follows:

00223.31(b) Traffic Control Inspection Without TCS

Replace the paragraph that begins “When the Schedule of Items does not include an item...” with the following paragraph:

When the Schedule of Items does not include an item for a TCS, or when TCS is not onsite for a work shift, designate a trained person who shall be on the Project Site during work hours and on call at all other times, and who:

Replace the bullet that begins “Prepares and signs a daily “Traffic Control Inspection Report...” with the following bullet:

- Prepares and signs a “Traffic Control Inspection Report” (Form No. 734-2474) upon the initial installation of TCM and each working day when any modification, removal or reinstallation of TCM are made, or as directed by the Engineer. Submit completed reports to the Engineer no later than the end of the next working day.

00223.80(a)(1) Traffic Control Supervisor

Replace this subsection, except for the subsection number and title, with the following:

The quantity for the TCS will be measured by the number of authorized 24-hour days regardless of the number of people used. An authorized 24-hour day will be any day or portion of day authorized by the Agency when any of the following is required:

- The complexity of construction operation requires a TCS during normal working hours, and that level of supervision is directed by the Agency.
- TCS performs routine inspection of TCD during non-work hours.
- TCS is called to respond to a traffic related issue during non-work hours.

Section 00224 – Temporary Traffic Channelizing Devices

Comply with Section 00224 of the Standard Specifications supplemented and/or modified as follows:

00224.00 Scope

Add the following to the end of this subsection:

For the purpose of lane taper and live traffic lane separation for temporary traffic control, plastic drums as described in 00224.13 will be the only accepted TCM, unless otherwise noted in the Contract Documents or on the County approved Traffic Control Plan. This shall supersede ODOT standard TM series drawings. Tubular marker may be used to delineate fog lines, driveways, or separate Local Traffic under road closure only.

Section 00228 – Temporary Pedestrian and Bicyclist Routing

Comply with Section 00228 of the Standard Specifications supplemented and/or modified as follows:

00228.00 Scope

Replace this subsection, except subsection number and title, with the following:

In addition to the requirements of Section 00221, this Work consists of furnishing, installing, operating, maintaining, inspecting, and removing temporary devices for accommodating pedestrians and bicyclists through a work zone.

00228.80(a) Length Basis

Replace this subsection, except subsection number and title, with the following:

Pedestrian channelizing devices and bicycle channelizing devices will be measured on the length basis upon delivery to the Project. The quantities will be limited to those in the approved TCP.

Section 00280 - Erosion and Sediment Control

Comply with Section 00280 of the Standard Specifications supplemented and/or modified as follows:

00280.00 Scope

Add the following to the end of this subsection:

Corps of Engineers, Division of State Lands, Oregon Department of Fish and Wildlife, and Oregon Department of Environmental Quality permits can require additional measures to comply with current best practices.

00280.03 Standards

Replace this subsection, except for the subsection number and title, with the following:

Comply with Federal, State, and local laws, rules and regulations, and the National Pollutant Discharge Elimination System (NPDES) 1200 Permit or Permits applicable to the project. A copy of the permit is included in the Contract Specifications. Additional erosion and sediment control features, other than those shown on the plans, may be required depending on the Contractor's methods of operation and schedule.

The Contractor shall comply with requirements of National Pollution Discharge Elimination System (NPDES) Phase II.

In order to maintain compliance with the environmental permits, the Contractor must perform the Work outlined in these specifications and shown on the ESCP. Jackson County will sustain damages if the Contractor fails to perform the Work necessary to maintain compliance. The Contractor agrees to pay Jackson County Liquidated Damages for failure to perform Work per the ESCP, or as directed. The Contractor agrees that Jackson County is not required to put an exact dollar value on sustained damages, but they shall be not less than \$250 per day.

00280.04 Erosion and Sediment Control Plan on Agency Controlled Lands

Replace the paragraph and bullet list that begins "For Work on Agency-controlled..." with the following:

The Contractor shall submit for approval by the Engineer a submittal accepting the Agency provided Erosion and Sediment Control Plan (if provided), or the Contractor's Erosion and Sediment Control Plan (ESCP) a minimum of 7 Calendar Days prior to the Pre-Construction Conference. The ESCP shall include a narrative and/or pictorial views

sufficient to detail the methods for construction. The ESCP shall meet all requirements of Schedule A, Section 15 of the Agency's NPDES 1200-CA Permit.

The Contractor shall submit for approval by the Agency the Erosion and Sediment Control Project Information Sheets (Provided at the end of the 1200-CA permit) a minimum of 7 Calendar Days prior to the Pre-Construction Conference.

00280.30 Erosion and Sediment Control Manager

Replace the sentence that begins "If the Agency's NPDES 1200-CA Permit is applicable..." with the following:

Designate and provide a representative, certified as a Designated Erosion and Sediment Control Inspector according to Schedule B, section 17.1 of the Agency's NPDES 1200-CA Permit as the Erosion and Sediment Control Manager (ESCM).

Replace the paragraph that begins "Provide the ESCM name, qualifying..." with the following:

Provide the ESCM name and working telephone number for review and approval by the Agency 7 Calendar Days before the Pre-Construction Conference.

Notify the Engineer within 24 hours of designating the ESCM for the 24-hour period. Make succeeding notifications within 24 hours every time a subsequent ESCM is appointed to the Project. Update the ESCP with the current ESCM contact information within 24 hours of designation.

00280.42(b) Temporary Stabilization

Add the following to the end of this subsection:

The Engineer will notify the Contractor of failure to perform temporary soil stabilization Work in writing. If after 14 Calendar Days the Contractor fails to perform Work as directed, Liquidated Damages will be assessed against the Contractor for the first instance for each day beyond the 14 Calendar Day deadline but shall be not less than \$250 per day. Further instances will double the Liquidated Damages assessed against the Contractor cumulatively every 14 Calendar Days.

00280.48 Emergency Materials

Replace the paragraph that begins "Provide, stockpile, and..." with the following:

Provide, stockpile, and protect emergency materials on-site for unknown weather or erosion conditions. Stockpiled emergency materials shall be at least 10 percent of the estimated quantity of raw material for each BMP. For example, if the Contractor estimates 1,400 feet of bio filter bag material is required for the project, stockpile 140 feet of bio filter bag material for emergencies. Maintain an accurate inventory of stockpiled materials.

00280.62(a) Inspection

Replace this subsection, except for the subsection number and title, with the following:

Perform general site inspection, complete the Inspection Form provided by the Agency at the Pre-Construction meeting, and submit the completed Inspection Form to the Agency as follows:

- On initial date of any construction staging or construction activities.
- Once every 14 calendar days.
- Daily within 24 hours of any storm event, including snowmelt that results in discharge from the site.

00280.62(c) Monitoring Receiving Stream

Replace this subsection, except for the subsection number and title, with the following:

Observe and record the turbidity using the current Oregon Department of Environmental Quality standards upstream and downstream of locations where surface waters from the construction site enter the receiving stream. Describe in the report any apparent differences in color and the clarity of the discharge, and any observable difference in comparison with the receiving stream. Note whether sheen and floating matter are present or absent.

If a permit noncompliance or serious water quality issues occur verbally report to the Engineer within 24 hours and submit a written report within 5 Calendar Days.

00280.63 Sediment Removal

Add the following to the end of this subsection:

Remove contaminated material and dispose at an approved sediment control area. Do not flush sediment and sediment laden water into storm drain systems.

00280.90 Payment

In the paragraph that begins "Item (a) includes..." add the following bullets to the bullet list:

- Furnishing and placing all erosion control devices
- Furnishing all Equipment, labor, and Incidentals necessary to complete the Work

Section 00290 - Environmental Protection

Comply with Section 00290 of the Standard Specifications supplemented and/or modified as follows:

Add the following subsection:

00290.30(d) Spill Prevention Control and Countermeasure Plan

Develop a SPCC Plan meeting all requirements of Section 15.4.e.xxi. of the Agency's NPDES 1200-CA Permit as well as any other state and local regulations.

00290.90 Payment

Add the following to the end of this subsection:

Payment shall be made only if there is a Pay Item, otherwise, providing environmental protection is considered incidental to one or more existing Contract Schedule of Items.

PART 00300 - ROADWORK

Section 00310 - Removal of Structures and Obstructions

Comply with Section 00310 of the Standard Specifications supplemented and/or modified as follows:

00310.41(c) Drainage Structures

Replace this subsection, except for the subsection number and title, with the following:

Remove drainage structures, such as box culverts and irrigation box culverts, down to a depth 2 feet below ground, slope or waterway bed. Remove culverts, sewers, siphons, and other conduits according to 00330.41(a)(7).

Section 00320 - Clearing and Grubbing

Comply with Section 00320 of the Standard Specifications supplemented and/or modified as follows:

00320.01 Areas of Work

Replace this subsection, except for the subsection number and title, with the following:

The areas to be cleared and grubbed are intended to be shown on the plans, or if not shown on the plans, the clearing lines are at the right-of-way line or 5 feet outside of the following:

- Top of side slopes of ditches and channel changes.
- Top of cut slope.
- Top of cutbank rounding if rounded.
- Toe of fill slope.

- Outside edge of structure.
- Other work areas shown on the plans, such as material sources, borrow areas and road connections.
- Tree, plant, or natural areas to be preserved.

00320.02(c) Clear Zone

Replace the sentence that begins “For purposes of...” with the following:

The minimum clear zone line, for purposes of this Section, is 10 feet from the edge of the traveled way, but this distance may vary depending on design speed, horizontal alignment and side slope requirements.

00320.41 Grubbing Operations

Add the following to the end of this subsection:

Remove trees and roots that lie within trenching areas to the bottom and sides of the trench.

00320.42 Disposal of Matter

Replace this subsection, except for the subsection number and title, with the following:

Vegetation and natural material designated for preservation and salvage are the property of the Agency. All other matter and debris accumulated from clearing and grubbing operations become the Contractor’s property at the place of origin. Dispose of all matter and debris according to 00290.20.

When requested by the adjacent property owner, place all wood greater than 4-inch in diameter in 6-foot lengths off right-of-way for owner’s use.

Burning will not be allowed on this project work site as a substitution for disposal.

Do not dispose of any materials on any wetland, either private or public, or within 300 feet of any river or stream.

Section 00330 - Earthwork

Comply with Section 00330 of the Standard Specifications supplemented and/or modified as follows:

00330.03(a) General

Replace this subsection, except for the subsection number and title, with the following:

Except as provided in 00330.00, all earthwork shall be performed on either an excavation or on an embankment basis, depending on the Contract Schedule of Items.

Prior to installation of aggregate bases, proof roll subgrade with a fully loaded 10 cubic yard dump truck, Jackson County Inspector must be present during proof roll. Request for proof roll inspection may require up to 2 Business Days notification.

Add the following subsection:

00330.03(d) Wetland Mitigation

Comply with all permit conditions. Construct earthwork improvements for Created Wetland Mitigation areas at locations shown on the plans or as directed. Wetland Mitigation Work shall include, but is not limited to, excavation/embankment, furnish and placement of new topsoil, and shaping and contouring.

Add the following subsection:

00330.03(e) Water Quality Zones

Comply with all permit conditions. Construct earthwork improvements for Water Quality Zones at locations shown on the plans or as directed. Water Quality Zones shall include, but not be limited to, excavation/embankment, topsoil, topsoil placement, and shaping and contouring.

00330.14 Selected Granular Backfill

Delete the sentence that begins “Reclaimed glass meeting the requirements of Section 02695...”

00330.15 Selected Stone Backfill

Delete the sentence that begins “Reclaimed glass meeting the requirements of Section 02695...”

Add the following subsection:

00330.41(f) Below Grade Excavation – Subgrade

Remove and dispose of soft subgrade soils, as identified by the Engineer through proof-rolling with a loaded 10-cubic yard dump truck. Depth of excavation shall be as directed by the Engineer. Dispose of these unstable materials according to 00330.41(a)(5). After excavation, shape and compact bottom of excavation. Backfill with selected granular backfill material to provide a firm Roadbed as directed. A geosynthetic may be required before backfilling.

Add the following subsection:

00330.41(g) Below Grade Excavation – Pavement

Remove and dispose of failed pavements and soft subgrade soils, as identified by the Engineer through proof-rolling with a loaded 10 cubic yard dump truck. Saw cut or grind marked limits of asphaltic concrete removal. Depth of excavation shall be as directed by the Engineer. Dispose of these unstable materials according to 00330.41(a)(5). After excavation, shape and compact bottom of excavation. Backfill with selected granular backfill material to provide a firm Roadbed as directed. A geosynthetic may be required before backfilling.

Add the following subsection:

00330.41(h) Below Grade Excavation - Hard Rock

In the event that general excavation exposes hard rock, which results in refusal conditions to a large excavator (Cat. 325 or equivalent) using a ripper tooth and/or a large bulldozer (Cat. D8 or equivalent) with rippers, on the direction of the Engineer, mobilize the necessary equipment to complete the excavation Work. On authorization from the Engineer, payment for one Hard Rock Excavation Mobilization shall be made at the Contractor's bid amount if included in the Contract Schedule of Items. Perform hard rock excavation on the area(s) authorized for payment by the Engineer after the area is delineated and surveyed for quantity calculations. Hard rock excavation pay quantity shall be in-place volume as calculated by the Engineer.

Payment for hard rock excavation shall be at the Contractor's bid amount for Hard Rock Excavation on a per cubic yard basis if included in the Contract Schedule of Items. If Hard Rock Excavation and Mobilization is not included in the Contract Schedule of Items, payment shall be made as extra Work per section 00196. The Engineer reserves the right to modify the design line to reduce or eliminate the cut volumes into hard rock. Reducing or eliminating this Work shall not constitute a significant change as defined by Section 00195.20. In the event that this item is not used, no payment shall be made for Hard Rock Excavation Mobilization or Hard Rock Excavation. Contractor bid amount for Hard Rock Excavation is in addition to the General Excavation bid amount.

00330.42(c)(3) Embankment Slope Protection

Add the following to the end of this subsection:

Construct the outer 12 inches of embankments with suitable materials to establish slope stabilization through permanent seeding. If suitable material is not available, provide suitable materials from a Contractor-provided source which conforms to the requirements of 00330.11 or 00330.13 and provides favorable conditions for germination of seed and growth of grass.

00330.80 Measurement

Add the following to the end of this subsection:

Below Grade Excavation - Subgrade, shall be measured on a cubic yard basis, as measured in the field by the Engineer.

Below Grade Excavation - Pavement, shall be measured on a cubic yard basis, as measured in the field by the Engineer.

Below Grade Excavation - Hard Rock, shall be measured on a cubic yard basis if included in the Contract Schedule of Items, as measured in the field by the Engineer.

00330.90 Payment

Add the following to the end of this subsection:

No separate or additional payment will be made for supports at existing utilities, potholing, removal and replacement of utility locates or warning markers, placing, maintaining, and removing no-work limits around critical utility facilities, and any additional Work required for non-invasive excavation techniques or non-typical backfilling techniques, as specified in Section 00150.50(c). Payment will be considered incidental to the appropriate Excavation Pay Item under this Section that requires the incidental Work.

00330.91(d) General Excavation:

Delete the bullet that begins "Includes Unsuitable Material" in its entirety.

Add the following subsection:

00330.91(f) Below Grade Excavation - Subgrade:

- Excavate "soft" subgrade at direction of the Engineer. Actual Work performed on this Pay Item will be measured in place by the Engineer. Bid quantity is an "estimate" only and may vary significantly.

Add the following subsection:

00330.91(g) Below Grade Excavation - Pavement:

- Excavate failed pavement surfaces at direction of the Engineer. Actual Work performed on this Pay Item will be measured in place by the Engineer. Bid quantity is an "estimate" only and may vary significantly.

Add the following subsection:

00330.91(h) Below Grade Excavation - Rock:

- Excavate hard rock at direction of the Engineer.

Add the following subsection:

00330.91(i) Obliterate Roadways:

- Limited to the lines, grades and cross sections shown on the plans or established.
- Remove pavement hard surfacing, rip and scarify rock bases as directed to match surrounding contours and drainage.

00330.92 Kinds of Incidental Earthwork

Add the following bullet to the bullet list:

- Earthwork required for driveways and road approaches. Earthwork for driveways and road approaches will be that which is outside the neat line limits shown on the typical sections.

00330.93 Excavation Basis Payment

Add the following to the end of this subsection:

See Contract Schedule of Items for excavation Pay Items. This project may include the following excavation Pay Items:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(f) Below Grade Excavation - Subgrade	Cubic Yard
(g) Below Grade Excavation - Pavement	Cubic Yard
(h) Below Grade Excavation - Hard Rock	Cubic Yard
(i) Obliterate Roadway	Square Yard

00330.94 Embankment Basis Payment

Add the following to the end of this subsection:

Payment for Aggregate Base, Aggregate Subbase, Stone Embankment, and Select Borrow will be made at the Contract unit price under the associated Pay Item with that title.

Section 00350 - Geosynthetic Installation

Comply with Section 00350 of the Standard Specifications supplemented and/or modified as follows:

00350.01 Definitions

Add the following to the end of the **Geogrid** definition:

Pay Item “Subgrade Geogrid” is roadway geogrid for soil applications only. This is intended for use in below-grade excavation or as directed.

00350.90 Payment

Add the following to the end of the pay Item and unit of measurement list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(g) Non-woven Subgrade Geotextile	Square Yard

Add the following to the end of this subsection:

Each geosynthetic installation shall be measured along the lines and grades of the surface area actually covered according to the plans, or as required, except for drainage applications.

PART 00400 – DRAINAGE AND SEWERS

Section 00405 – Trench Excavation, Bedding, and Backfill

Comply with Section 00405 of the Standard Specifications supplemented and/or modified as follows:

00405.12 Bedding

Replace this subsection, except for the subsection number and title, with the following:

See Jackson County Standard Drawing JCRD302, “Typical Trench Section & Pipe Backfill”, for specific bedding requirements.

00405.13 Pipe Zone Material

Replace this subsection, except for the subsection number and title, with the following:

See Jackson County Standard Drawing JCRD302, “Typical Trench Section & Pipe Backfill”, for specific pipe zone requirements.

00405.14 Trench Backfill

Replace this subsection, except for the subsection number and title, with the following:

See Jackson County Standard Drawing JCRD302, “Typical Trench Section & Pipe Backfill”, for specific backfill requirements.

00405.14(e) Class E Backfill

Replace this subsection, except for the subsection number and title, with the following:

Use controlled low-strength material (CLSM) meeting Jackson County's trench backfill requirements for CLSM.

00405.41(b) Open Trench Limit

Add the following to the end of this subsection:

Unless otherwise approved by the County Engineer, backfilling of longitudinal trenches shall be accomplished so that no more than 100 feet of trench is left open at any time. No more than half the road may be closed at any time for either longitudinal or transverse trenches. Trenching on shoulder within 3 feet of edge of roadway shall be either backfilled daily or protected by sufficient means to eliminate vertical drop-off hazards. Diagonal trenches are not allowed without pre-construction approval by the County Engineer.

00405.43 Dewatering

Add the following to the end of this subsection:

Contractor shall provide a means for handling roadside drainage, irrigation, and storm runoff throughout the term of the Contract. Costs associated with temporarily handling and conveying roadside drainage, irrigation, and storm water are considered incidental to one or more Contract Schedule of Items.

00405.46(a) General

Add the following to the end of this subsection:

Trenches in areas of existing pavement that will be overlain as part of this project shall be paved back with 4 inches of hot mix asphaltic concrete mix, placed in 2 lifts. Trench paving shall be completed within 20 working days of opening trench or 10 working days following completion of Work, whichever is earlier. Changes to this requirement must be approved by the County Engineer.

00405.46(c)(3) Class E Backfill

Add the following to the end of this subsection:

Use Class E backfill under all existing and future pavement and/or concrete and if edge of trench falls within 1 foot of existing and/or future pavement or concrete.

00405.46(e) Temporary Trench Plating

Replace this subsection, except for the subsection number and title, with the following:

When temporary steel plates are installed over a street cut, they shall meet the following requirements:

- Steel plates must be able to withstand MS-18.
- Steel plates shall be fabricated to meet ASTM A36 steel requirements.
- Steel plates shall be installed to resist bending, vibrations, etc. under traffic loads.
- All steel plates within right-of-way whether used in or out of the travel way shall be without deformation.
- Steel plates must extend a minimum of 12-inches beyond the edges of the excavation.
- Steel plates must be secured with plate locks. Temporary asphalt wedges will not be allowed.
- “Bump” signs shall be placed adjacent to steel plates.
- When plates are removed, all anchor/pin holes in the pavement shall be backfilled with an asphalt mastic or other sealant approved by the Agency.

Section 00440 - Commercial Grade Concrete

Comply with Section 00440 of the Standard Specifications supplemented and/or modified as follows:

00440.40(d) Weather

Replace this subsection, except for the subsection number and title, with the following:

Do not place CGC when the air temperature is above 90° F without prior written Engineer approval.

Do not place CGC when the air temperature is below 35° F without prior written Engineer approval.

Protect CGC from freezing if the air temperature is expected to drop below 35° F during the first 5 Calendar Days after the placement.

Section 00442 – Controlled Low Strength Materials

Comply with Section 00442 of the Standard Specifications supplemented and/or modified as follows:

Replace this section, except for the section number and title, with the following:

00442.00 Scope

This Work consists of furnishing and placing controlled low strength materials (CLSM) in accordance with the Contract Documents, Jackson County permit requirements, or as directed by the Engineer. All products shall be pre-approved by the County Engineer in accordance to this specification.

00442.01 Definition

CLSM – A highly flowable lean concrete mix consisting of a mixture of cement, fly ash, densely graded mineral aggregates, water and admixtures. CLSM shall be capable of freely flowing to fill all voids in trenches or other areas without compaction or other additional effort, shall be of uniform density, shall be of low permeability to prevent migration of adjacent fines into the set mix, and shall excavate easily at any later time with minimal risk of damage to buried services.

Fine Aggregate CLSM – A CLSM containing a maximum size aggregate of 3/8 inch.

00442.10 Materials

Furnish Materials meeting the following requirements and/or modified in the Special Provisions:

Admixtures	02040
Fly Ash	02030.10
Portland Cement	02010.10
Water	02020

00442.11 Fine Aggregates

Aggregates shall be a densely graded virgin rock or appropriate recycled material which produces a mix meeting all requirements within this Specification. A minimum of 50 percent of the total aggregate weight shall pass a #8 sieve and no more than 5 percent of the total aggregate by weight may pass a #200 sieve. The maximum size aggregate for fine aggregate CLSM shall pass a 3/8-inch sieve.

00442.13 Compressive Strength

CLSM shall have a 28-day compressive strength of between 50 and 150 psi, per AASHTO Designation T 22-90 or ASTM Designation C 39.

00442.14 Flowability

CLSM shall have a slump of between 6 and 8 inches as per AASHTO Designation T 119-82 or ASTM Designation C 143.

00442.15 Mix Design and Testing

Vendors who propose to supply CLSM for Work within Jackson County right-of-way shall submit a mix design and test results to the Agency for review and approval.

Jackson County will maintain an approved products list on the Jackson County Roads website. The mix submittal shall include the following information:

- (A) Company Name and Address
- (B) Company Contact Information
- (C) Identifying name and/or number for the mix design
- (D) Mix Design (including aggregate type and gradation)

(E) Certified test results for flowability, and compressive strength.

Submittals which do not contain all the required information shall not be considered.

Products that are rejected in the field may be removed from the approved list at the discretion of the County Engineer.

00442.16 Mixing, Placement, and Acceptance

CLSM shall be mixed accordance with subsection Sections 00756.20 or 00756.21; delivered in a truck mixer conforming to 00756.22; and conveyed in accordance with 00540.22.

Contractor shall provide and maintain steel jump plates with locks as required for traffic and safety. In paved areas open to the public, the top of the trench shall be patched with Asphalt Concrete Pavement not sooner than the CLSM is adequately set (generally 48 hours), nor longer than 10 calendar days following placement of the CLSM.

When CLSM is delivered to the job site, delivery tags shall be collected from the delivery driver and provided to the Jackson County Inspector or Engineer. The delivery tag shall contain the supplier name and the mix identifying name and/or number as identified in the supplier's submitted mix design.

The Jackson County Inspector or Engineer may reject any mix that does not appear to meet the requirements of this Specification (for example: segregation, insufficient slump, or open graded aggregates). The Jackson County Inspector or Engineer may require removal of any mix that has been placed but doesn't perform as specified.

Only fine aggregate CLSM will be allowed in pipe zones or trenches of less than 1-foot width.

In the event of extremely cold or wet conditions, and with the approval of the Jackson County Inspector or Engineer prior to use, an approved fine aggregate CLSM may have up to 94 additional pounds of cement per cubic yard added to the design mix to facilitate setting.

00442.80 Measurement

No measurement of quantities will be made for CLSM.

00442.90 Payment

No separate or additional payment will be made for CLSM. Payment will be included in payment made for the appropriate items under which this Work is required.

Section 00445 - Sanitary, Storm, Culvert, Siphon and Irrigation Pipe

Comply with Section 00445 of the Standard Specifications supplemented and/or modified as follows:

00445.00 Scope

Add the following to the end of this subsection:

Prior to installation of any piping, the Contractor shall call for locates and pothole all potential utility crossings and inform the Engineer of any conflicts.

The Contractor shall coordinate the Work on any facilities with the appropriate utility company for that area. Refer to the Special Provisions for a list of utilities with facilities located within the project limits.

00445.40(e) Concrete Closure Collars

Replace this subsection, except for the subsection number and title, with the following:

Dissimilar pipe joints are not allowed.

00445.80(a) Pipes

Replace this subsection, except for the subsection number and title, with the following:

The length will be measured with no deduction for structures or fittings, along the pipe flow line from center to center of manholes, inlets, special sections or the end(s) of pipe, whichever is applicable. Payment for pipes will be based on length only for each pipe Pay Item regardless of depth installed. Watertight Joints shall be used for all irrigation lines, storm drains, and sanitary sewers.

00445.80(b) Tee and Wye Fittings

Replace this subsection, except for the subsection number and title, with the following:

There is no special pay quantity allowance for factory fabricated fittings. Payment for special fittings shall be considered incidental to drain line connection or other existing Contract Schedule of Items.

Add the following subsection:

00445.80(k) Installation Under Pavement

No special allowance shall be made for pipe installation under pavement. Trench patching is considered incidental to the pipe installation and no separate payment shall be made for materials.

Add the following subsection:

00445.80(I) Drain Line Connection

Drain Line Connection Pay Item includes locating (by excavation or water flushing), connecting existing private drain lines to newly installed culvert or storm drain piping using manufactured fittings and extending existing pipes. Payment will be made for each drain line connected based on the Contractor’s bid amount. Extension of existing pipe, manufactured fittings, as well as locating the existing drain line are considered incidental to this Pay Item.

00445.91 Payment

Add the following to the end of the pay Item and unit of measurement list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(m) Drain Line Connections	Each

Add the following bullets to the bullet list that follows the paragraph that begins “No separate or additional payment...”:

- special fittings
- installing pipes under pavement
- trench resurfacing and patching for installations under pavement
- supports at existing utilities
- depth of pipe work

Add the following to the end of this subsection:

No separate payment will be made for supports at existing utilities, potholing, removal and replacement of utility locates or warning markers, placing, maintaining, and removing no-work limits around critical utility facilities, and any additional Work required for non-invasive excavation techniques or non-typical backfilling techniques, as specified in Section 00150. Payment will be considered incidental to the appropriate Pay Item under this Section that requires the incidental Work.

Section 00470 – Manholes, Catch Basins, and Inlets

Comply with Section 00470 of the Standard Specifications supplemented and/or modified as follows:

Add the following subsection:

00470.40(c) Proprietary Products

Shall be installed according to manufacturer’s specifications.

00470.41(c) Grates, Frames, Covers and Fittings

Add the following sentence to the end of this subsection:

Grade adjustments using a bolt system from the QPL is allowed.

00470.42 Precast Concrete Catch Basins and Inlets

Add the following to the end of this subsection:

Grade adjustments using a bolt system from the QPL is allowed.

00470.90 Payment

Add the following to the end of the pay Item and unit of measurement list:

<u>Pay Item</u>	<u>Unit of Measurement</u>
(l) Intermediate Inlet	Each
(m) Area Drain	Each
(n) Entrance Inlet	Each
(o) Utility Potholing	Lump Sum

Section 00495 – Trench Resurfacing

Comply with Section 00495 of the Standard Specifications supplemented and/or modified as follows:

Add the following subsection:

00495.40(l) Longitudinal Trench Paving

Longitudinal trenches greater in length than 100' within a travel lane, shall have existing pavement removed and replaced to full lane width (normally 10'-12') for the length of trench unless approved otherwise by the County Engineer. Drag boxes or other pull-type asphalt spreaders will not be permitted lane restoration.

PART 00600 – BASES

Section 00620 – Cold Plane Pavement Removal

Comply with Section 00620 of the Standard Specifications supplemented and/or modified as follows:

00620.43 Maintenance Under Traffic

Replace this subsection, except for the subsection number and title, with the following:

Traffic will be allowed on the cold planed surface up to 21 Calendar Days after removing the existing surface. Sweep and clean the cold planed surface before opening to traffic.

Before beginning paving operations, make repairs to the existing cold planed surface as directed. Payment for the repairs will be made according to 00195.20.

Section 00641 - Aggregate Subbase, Base and Shoulders

Comply with Section 00641 of the Standard Specifications supplemented and/or modified as follows:

00641.10(b) Subbase Aggregate

Add the following to the end of this subsection:

(4) Fracture Face – Fracture of Aggregate Subbase shall be determined by WAQTC TM1. 90% minimum by weight retained on the No. 4 sieve shall have at least one mechanically induced fracture.

Aggregate Subbase shall be 4"-0 size.

PART 00700 – WEARING SURFACES

Section 00730 – Emulsified Asphalt Tack Coat

Comply with Section 00730 of the Standard specifications supplemented and/or modified as follows:

00730.11 Emulsified Asphalt

In the paragraph that begins "Obtain samples according to AASHTO T 40..." replace the words "AASHTO T 40" with the words "AASHTO R 66".

00730.80 Measurement

Replace this subsection, except for the subsection number and title, with the following:

There will be no measurement of asphalt cement used as tack coat, unless listed as a Pay Item on the Contract Schedule of Items.

00730.90 Payment

Replace this subsection, except for the subsection number and title, with the following:

No separate or additional payment will be made for furnishing and applying the emulsified asphalt tack coat, the cost of this Work is included in one or more of the Pay Items, unless listed as a Pay Item is on the Contract Schedule of Items.

Section 00744 –Asphalt Concrete Pavement

Comply with Section 00744 of the Standard Specifications supplemented and/or modified as follows:

00744.00 Scope

Add the following to the end of this subsection:

This section shall be used on Work performed under permits issued by Jackson County or if specified in the project Special Provisions.

Section 00745 - Asphalt Concrete Pavement – Statistical Acceptance

Comply with Section 00745 of the Standard Specifications supplemented and/or modified as follows:

00745.00 Scope

Add the following to the end of this subsection:

This section shall be used on Contract Work procured by Jackson County, unless otherwise specified in the project Special Provisions.

00745.11 Asphalt Cement, Additives, and Aggregate Treatment

Add the following subsection:

(d) Fiber Reinforcement Additive – When fiber reinforcement is shown or specified in the Contract Documents, provide fibers conforming to the requirements below. Design ACP Job Mix Formula's without fiber reinforcement and do not alter the final mix design for the addition of fiber reinforcement at the plant. Fiber reinforcement shall be added at the rate of 1.0 pound/ton of total mix. Provide weight tickets for the material used to the Engineer by the middle of the following work shift.

Fiber Reinforcement Physical Properties

Materials -	Polyolefin/Aramid
Length -	3/4"
Form -	Serrated/Monofilament
Color -	Yellow, Black, Tan
Specific Gravity -	0.91/1.44
Acid/Alkali Resistance -	Inert
Tensile Strength -	70,000 psi/400,000 psi
Melting Temperature -	210° F/800° F

Store fiber reinforcement in a covered dry environment and off the ground. Do not allow fiber reinforcement to have contact with moisture.

Add fiber reinforcement manually or through specialized equipment that can accurately proportion or meter, by weight, the proper amount per batch for batch plants, or continuously and in a steady uniform manner for drum plants.

When a batch plant is used, add fiber reinforcement to the aggregate in the weight hopper and increase both dry and wet mixing times. Ensure that the fiber is uniformly distributed before the injection of asphalt cement into the mixture.

When drum plant is used, inject fiber reinforcement through the RAP collar by placing a 1-pound bags of fiber reinforcement on the RAP belt or by feeding the 1-pound bags through a blower tube. Rate the feeding of fiber reinforcement with the rate the plant is producing mix.

Have a fiber manufacturer's representative on site during mixing and production. This requirement can be waived if fiber manufacturer and asphalt producer can supply evidence of manufacturer's brand of fiber being successfully produced and minimum of 3 times at the asphalt plant to be used for the project.

No separate payment will be made for fiber reinforcement. Payment shall be based on per ton of asphalt mix.

00745.13 Job Mix Formula Requirements

Add the following to the end of this subsection:

When fiber reinforcement is shown or specified in the Contract Documents. Design ACP Job Mix Formula's without fiber reinforcement and do not alter the final mix design for the addition of fiber reinforcement at the plant. Fiber reinforcement shall be added at the rate of 1.0 pound/ton of total mix.

00745.24 Compactors

Add the following to the end of this subsection:

A minimum of 3 compactors shall be in operation during travel lane construction unless otherwise approved by Engineer. The number of rollers shall match the placement rate so as to provide complete coverage and achieve ideal unyielding compaction.

Use of pneumatic tired roller is required on leveling course placement when directed by the Engineer.

Use of vibraplate compactors or hand tampers around stationary objects such as guardrails, bridge ends, curb inlets, mail boxes, or in other areas not accessible to self-propelled rollers is required when directed by the Engineer.

00745.47(c)(1) More Than 2 inches

Delete this Title in its entirety and substitute the following:

More Than 2-1/2 inches

00745.47(c)(2) Less Than or Equal to 2 inches

Delete this Title in its entirety and substitute the following:

Less Than or Equal to 2-1/2 inches

00745.60(e) Longitudinal Joints

Add the following to the end of this subsection:

Use of a mechanical joint matcher will not be allowed on top lift. Furnish asphalt laborer and tools to manipulate the loose mat at the joint prior to rolling to enhance compaction and lessen the risk of raveling.

00745.80 Measurement

Replace this subsection, except for the subsection number and title, with the following:

The quantities of ACP will be measured on the weight basis. No separate measurement will be made for asphalt cement used in the mixture. No deduction will be made for lime or any other additive used in the mixture.

When listed in the Contract Schedule of Items, extra or additional Work for approaches, driveways, walks, and other miscellaneous asphalt appurtenances will be measured according to 00749.80 through 00749.82.

If there is not separate item listed in the Contract Scheduled of Items for Leveling Work, the quantities will be included in the appropriate ACP items.

00745.90 Payment

Delete pay item (b).

Add the following to the end of this subsection:

No separate or additional payment will be made for asphalt cement used in the mixture.

00745.95 Price Adjustments

Delete this subsection in its entirety.

PART 00800 – PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES

Section 00810 - Metal Guardrail

Comply to Section 00810 of the Standard Specifications supplemented and/or modified as follows:

00810.11 Posts

Replace this subsection, except for the subsection number and title, with the following:

Guardrail posts, except as specified for use on bridges or otherwise shown or directed, shall be wood meeting the requirements of 0810.10.

00810.15 Salvaged Materials

Replace this subsection, except for the subsection number and title, with the following:

All materials shall be new.

00810.40 Timing and Coordination of Work

Add the following to the end of this subsection:

Contact the Engineer and appropriate utilities 72 hours before beginning hand digging guardrail post holes.

00810.41 Excavation and Backfill

Add the following paragraph to the end of this subsection:

Hand dig guardrail post holes or use other non-invasive methods when posts are located within 24 inches surrounding the outside dimensions of all sides of underground utilities.

00810.90 Payment

Add the following to the end of this subsection:

No separate or additional payment will be made for hand dug guardrail post holes. Hand digging guardrail post holes will be considered incidental to one or more of the Contract Schedule of Items.

PART 01000 – RIGHT OF WAY DEVELOPMENT AND CONTROL

Section 01030 - Seeding

Comply with Section 01030 of the Standard Specifications or Supplemental Standard Specifications, supplemented and/or modified as follows:

01030.02 Definitions:

Add the following definition to the definition list:

Disturbed Soil - Any on-site soil surface disturbed by construction activities including cut or filled areas, stockpiled soil, access roads, wetlands, or other off-site project related surfaces areas of disturbance as determined by the Engineer.

01030.13(f) Types of Seed Mixes

Delete the bullet that begins “Temporary Seeding...”, in its entirety and substitute the following:

- **Temporary Seeding** – Use Permanent Seed Mix #1 for temporary seed mix.

Delete the bullet that begins “Permanent Seeding...”, in its entirety and substitute the following:

- **Permanent Seeding** – Furnish seed meeting the requirements below:

Permanent Seed Mix #1

<u>Botanical Name</u>	<u>Common Name</u>	<u>PLS pounds/acre</u>
Bromis carinatus	California Brome	8.0
Festuca idahinesis	Idaho Fescue	10.0
Elymus glaucus	Blue Wildrye	15.0
Eschscholzia californica	California Poppy	2.0
Achillea millefolia	Yarrow	0.25
Lupinus polyphillus	Big Leaf Lupine	10.0

Permanent Seed Mix #1 shall also be used on cut/fill slopes for temporary and permanent hydro seeding.

Permanent Seed Mix #1 has shown to provide germination and coverage meeting the Oregon Standard Specifications for Construction on Jackson County Projects.

An alternate seed mix meeting the germination and coverage requirements will only be considered if submitted prior to the Preconstruction Conference.

Delete the bullet that begins “Water Quality Seeding...”, in its entirety and substitute the following:

- **Water Quality Seeding** – Furnish seed meeting the requirements below:

Water Quality Seed Mix #1

<u>Botanical Name</u>	<u>Common Name</u>	<u>PLS pounds/acre</u>
Bromis carinatus	California Brome	15.0
Festuca rubra	Native Red Fescue	25.0
Elymus glaucus	Blue Wildrye	25.0
Agrostis exatata	Spike Grass	20.0
Glyceria occidentalis	Manna Grass	15.0

Water Quality Seed Mix #1 shall be used for water quality facilities such as swales or settling basins.

01030.43(a) Temporary Seeding

Replace the sentence that begins “Temporarily seed disturbed...” with the following:

Temporarily seed disturbed Soils and slopes that are not at finished grade and which will be exposed for 30 days or longer before being disturbed again.

Add the following subsection:

01030.43(c) Seed Application Rates – Determine the seeding application rate according to 01030.13(c). Apply seed mixes at the highest application rate calculated to provide not less than the specified application rate for each individual seed species in the mix.

01030.90 Payment

Add the following to the end of this subsection:

If “Temporary Seeding” is not listed as a Pay Item, it is Incidental Work for which no separate payment will be made.

Section 01070 - Mailbox Supports

Comply with Section 01070 of the Standard Specifications or Supplemental Standard Specifications, supplemented and/or modified as follows:

01070.10 Reinforcement

Replace this subsection, expect for the subsection number and title, with the following:

Refer to the Jackson County Standard Drawings JCRD201 thru JCRD205.

01070.11 Concrete

Replace this subsection, expect for the subsection number and title, with the following:

Refer to the Jackson County Standard Drawings JCRD201 thru JCRD205.

01070.12 Tube Support Frame

Replace this subsection, expect for the subsection number, with the following:

01070.12 Support Frame

Refer to the Jackson County Standard Drawings JCRD201 thru JCRD205.

01070.13 Mounting Brackets and Hardware

Replace this subsection, expect for the subsection number and title, with the following:

Refer to the Jackson County Standard Drawings JCRD201 thru JCRD205.

01070.14 Post Mounting Socket

Replace this subsection, expect for the subsection number and title, with the following:

Refer to the Jackson County Standard Drawings JCRD201 thru JCRD205.

01070.40 General

Replace this subsection, expect for the subsection number and title, with the following:

Protect and maintain mailboxes and supports at locations accessible to the delivery agent and as convenient as possible for the public being served. This may require removing and relocating the mailboxes and supports more than once to maintain service. When roadway construction is completed, install the mailboxes and newspaper boxes on new supports in their permanent locations as shown or directed. Relocate newspaper boxes to new mailbox supports. In the event of a single stand-alone newspaper box, relocate existing post and newspaper box.

Refer to the Jackson County Standard Drawings JCRD201 thru JCRD205.

If property owners want to keep the original mailbox support, place the support on the owner's property adjacent to the Work. Otherwise, dispose of the original mailbox support according to 00290.20.

01070.80 Measurement

Replace this subsection, expect for the subsection number and title, with the following:

The quantities of mailbox supports will be measured on the unit basis of each kind of mailbox support, regardless of size, installed in permanent location.

Temporary mailbox locations shall not be measured for payment.

Relocated newspaper boxes shall not be measured for payment.

01070.90 Payment

Replace this subsection, except for the subsection number and title, with the following:

The accepted quantities of mailbox supports will be paid for at Contract Unit price, per unit of measurement, for the following items:

Pay Item	Unit of Measurement
(a) Single Mailbox Supports	Each

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for:

- Removing existing mailbox supports
- Providing temporary installations
- Installing new supports in permanent locations
- Installing owner-furnished mailboxes and newspaper boxes