



DAN JOHNSON
DIRECTOR

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DEVELOPMENT SERVICES BUILDING
150 BEAVERCREEK ROAD OREGON CITY, OR 97045

December 18, 2025

BCC Agenda Date/Item: _____

Board of County Commissioners
Clackamas County

**Approval of a Personal Services Contract with Consor North America for 2026
Transportation Maintenance Paving Projects. Contract Value is \$826,362 for 1 year.
Funding is through County Road and Community Road Funds.
No County General Funds are involved.**

Previous Board Action/Review	NA		
Performance Clackamas	This project will provide strong infrastructure and ensure safe communities by maintaining the County's existing road infrastructure.		
Counsel Review	Yes	Procurement Review	Yes
Contact Person	Jon Sparks	Contact Phone	503-650-3235

EXECUTIVE SUMMARY: The County has identified six paving projects for completion during the 2026 Contract Paving season. Under this contract the consulting design engineer will prepare bid documents for six (6) separate paving resurfacing projects that will resurface approximately 9.6 miles of road that will include the following projects:

- River Road Paving Project that will include River Road from Jennings Ave to Roethe Rd. This project will pave approximately 0.56 miles of road and install 1 ADA ramp.
- Bonita Road Paving Project that will include Bonita Road from 5966 Bonita Rd to Bangy Rd. This project will pave approximately 0.25 miles of road.
- Bakers Ferry Road Paving Project that will include Bakers Ferry Road from Springwater Road to Harding Road. This project will pave approximately 2.6 miles of road.
- Beavercreek Woods Paving Project that will include Dans Avenue from Leland Road to the cul de sac, Dales Avenue from Dans Avenue to Leslie Avenue, Marilyns Avenue from Dales to the cul de sac, and Leslie Avenue from Leland Avenue to the cul de sac. This project will pave approximately 1.13 miles of road.

For Filing Use Only

- Clayson Area Paving Project that will include Colony Circle from Clayson Avenue to Clayson Avenue, Clayson Ave from Oatfield Road to Portland Avenue, Colina Vista Avenue from Clayson Avenue to Jennings Avenue, Crystal Lane from Clayson Avenue to Emerald Drive, Emerald Drive from Clayson Avenue to Jennings Avenue, Garnet Way from Emerald Avenue to Emerald Avenue, Progress Court from Clayson Avenue to the cul de sac, Pilgrim Court from Clayson Avenue to the cul de sac, and Plymouth Court from Clayson Avenue to the cul de sac. This project will pave approximately 1.44 miles of road.
- Marquam Paving Project that will include Drake Road from Highway 213 to the County line at Butte Creek, Farm Road from Drake Road to Oster Road and Farm Road from Oster Road to Monte Cristo Road. This project will pave approximately 3.6 miles of road.

This engineering and related services contract will provide project management; survey; utility coordination; public involvement/outreach support; the development of both preliminary and final design; right-of-way review; and bid and award assistance for each of the six projects mentioned above.

The contract's total estimated not to exceed amount is \$826,362.00 and is funded with County Road and Community Road Funds.

The purpose of these paving and sealing projects is to continue to provide a safe and efficient connection to people, employment, goods, recreation, and emergency services by maintaining the pavements within the aforementioned project limits.

PROCUREMENT PROCESS: This project was advertised in accordance with ORS and LCRB Rules as Request for Proposal #2025-6 which was advertised on July 7, 2025, and proposals were opened on August 5, 2025. The County received six (6) responses including Century West Engineering, Consor North America, HHPR, Inc., PACE Engineers, Wallis Engineering, and WCL Engineering. Each were evaluated by a committee of DTD personnel, resulting in a ranking of Consor North America's proposal as the highest. After Notice of Intent to Award was issued, the statement of work and project fees were negotiated and finalized.

RECOMMENDATION: Staff respectfully recommends that the Board approve and sign this Personal Services Contract #1558 with Consor North America, Inc., for the 2026 Transportation Maintenance Paving Projects Design contract.

Respectfully submitted,

Dan Johnson

Dan Johnson, Director
Department of Transportation & Development



**CLACKAMAS COUNTY
PERSONAL SERVICES CONTRACT
Contract #0000001558**

This Personal Services Contract (this "Contract") is entered into between **Consor North America, Inc.**, ("Contractor"), and Clackamas County, a political subdivision of the State of Oregon ("County"), on behalf of its Department of Transportation and Development.

ARTICLE I.

- 1. Effective Date and Duration.** This Contract shall become effective upon signature of both parties. Unless earlier terminated or extended, this Contract shall expire on **December 31, 2026**.
- 2. Scope of Work.** Contractor shall provide the following engineering necessary to design services for 2026 transportation maintenance paving projects ("Work"), further described in **Exhibit A**.
- 3. Consideration.** The County agrees to pay Contractor, from available and authorized funds, a sum not to exceed **Eight Hundred Twenty-Six Thousand Three Hundred Sixty-Two Dollars (\$826,362.00)** for accomplishing the Work required by this Contract. Consideration rates are on a time and material basis in accordance with the rates and costs specified in **Exhibit A**. If any interim payments to Contractor are made, such payments shall be made only in accordance with the schedule and requirements in Exhibit A.
- 4. Invoices and Payments.** Unless otherwise specified, Contractor shall submit monthly invoices for Work performed. Invoices shall describe all Work performed with particularity, by whom it was performed, and shall itemize and explain all expenses for which reimbursement is claimed. The invoices shall include the total amount billed to date by Contractor prior to the current invoice. If Contractor fails to present invoices in proper form within sixty (60) calendar days after the end of the month in which the services were rendered, Contractor waives any rights to present such invoice thereafter and to receive payment therefor. Payments shall be made in accordance with ORS 293.462 to Contractor following the County's review and approval of invoices submitted by Contractor. Contractor shall not submit invoices for, and the County will not be obligated to pay, any amount in excess of the maximum compensation amount set forth above. If this maximum compensation amount is increased by amendment of this Contract, the amendment must be fully effective before Contractor performs Work subject to the amendment.

Invoices shall reference the above Contract Number and be submitted to: Jsparks@clackamas.us and Lkitts@clackamas.us

- 5. Travel and Other Expense.** Authorized: ☒ Yes ☐ No
If travel expense reimbursement is authorized in this Contract, such expense shall only be reimbursed at the rates in the County Contractor Travel Reimbursement Policy, hereby incorporated by reference and found at: <https://www.clackamas.us/finance/terms.html>. Travel expense reimbursement is not in excess of the not to exceed consideration.
- 6. Contract Documents.** This Contract consists of the following documents, which are listed in descending order of precedence and are attached and incorporated by reference, this Contract, and Exhibit A.

7. Contractor and County Contacts.

Contractor Administrator: Andrew Giesy Phone: 503-225-9010 Email: Andrew.Giesy@consoreng.com	County Administrator: Jon Sparks Phone: 503-964-4522 Email: JSparks@clackamas.us
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Payment information will be reported to the Internal Revenue Service (“IRS”) under the name and taxpayer ID number submitted. (See I.R.S. 1099 for additional instructions regarding taxpayer ID numbers.) Information not matching IRS records will subject Contractor payments to backup withholding.

ARTICLE II.

- 1. Access to Records.** Contractor shall maintain books, records, documents, and other evidence, in accordance with generally accepted accounting procedures and practices, sufficient to reflect properly all costs of whatever nature claimed to have been incurred and anticipated to be incurred in the performance of this Contract. County and their duly authorized representatives shall have access to the books, documents, papers, and records of Contractor, which are directly pertinent to this Contract for the purpose of making audit, examination, excerpts, and transcripts. Contractor shall maintain such books and records for a minimum of six (6) years, or such longer period as may be required by applicable law, following final payment and termination of this Contract, or until the conclusion of any audit, controversy or litigation arising out of or related to this Contract, whichever date is later.
- 2. Availability of Future Funds.** Any continuation or extension of this Contract after the end of the fiscal period in which it is written is contingent on a new appropriation for each succeeding fiscal period sufficient to continue to make payments under this Contract, as determined by the County in its sole administrative discretion.
- 3. Captions.** The captions or headings in this Contract are for convenience only and in no way define, limit, or describe the scope or intent of any provisions of this Contract.
- 4. Compliance with Applicable Law.** Contractor shall comply with all applicable federal, state and local laws, regulations, executive orders, and ordinances, as such may be amended from time to time.
- 5. Counterparts.** This Contract may be executed in several counterparts (electronic or otherwise), each of which shall be an original, all of which shall constitute the same instrument.
- 6. Governing Law.** This Contract, and all rights, obligations, and disputes arising out of it, shall be governed and construed in accordance with the laws of the State of Oregon and the ordinances of Clackamas County without regard to principles of conflicts of law. Any claim, action, or suit between County and Contractor that arises out of or relates to the performance of this Contract shall be brought and conducted solely and exclusively within the Circuit Court for Clackamas County, for the State of Oregon. Provided, however, that if any such claim, action, or suit may be brought in a federal forum, it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. In no event shall this section be construed as a waiver by the County of any form of defense or immunity, whether sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the Constitution of the United States or otherwise, from any claim or from the jurisdiction of any court. Contractor, by execution of this Contract, hereby consents to the personal jurisdiction of the courts referenced in this section.
- 7. Indemnity, Responsibility for Damages.** Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay which may be caused by, or result from, any act, omission, or neglect of Contractor, its subcontractors, agents, or employees. The Contractor agrees to indemnify and defend the County, and its officers, elected officials, agents, and employees, from and against all claims, actions, losses, liabilities, including reasonable attorney and accounting fees, and all expenses incidental to the investigation and defense thereof, arising out of or based upon Contractor’s acts or omissions in performing under this Contract. Provided, however, that

pursuant to ORS 30.140(4), Contractor's duty to defend obligations arising from or related to Contractor's professional negligence, or related to professional services provided by Contractor, are limited to reimbursement of County's reasonable defense costs (including reasonable attorney fees) in an amount not to exceed the proportionate fault of Contractor, as determined by adjudication, alternative dispute resolution, or otherwise resolved by settlement agreement.

However, neither Contractor nor any attorney engaged by Contractor shall defend the claim in the name of County, purport to act as legal representative of County, or settle any claim on behalf of County, without the approval of the Clackamas County Counsel's Office. County may assume its own defense and settlement at its election and expense.

- 8. Independent Contractor Status.** The service(s) to be rendered under this Contract are those of an independent contractor. Although the County reserves the right to determine (and modify) the delivery schedule for the Work to be performed and to evaluate the quality of the completed performance, County cannot and will not control the means or manner of Contractor's performance. Contractor is responsible for determining the appropriate means and manner of performing the Work. Contractor is not to be considered an agent or employee of County for any purpose, including, but not limited to: (A) The Contractor will be solely responsible for payment of any Federal or State taxes required as a result of this Contract; and (B) This Contract is not intended to entitle the Contractor to any benefits generally granted to County employees, including, but not limited to, vacation, holiday and sick leave, other leaves with pay, tenure, medical and dental coverage, life and disability insurance, overtime, Social Security, Workers' Compensation, unemployment compensation, or retirement benefits.
- 9. Insurance.** Contractor shall secure at its own expense and keep in effect during the term of the performance under this Contract the insurance required and minimum coverage indicated below. The insurance requirement outlined below do not in any way limit the amount of scope of liability of Contractor under this Contract. Contractor shall provide proof of said insurance and name the County as an additional insured on all required liability policies. Proof of insurance and notice of any material change should be submitted to the following address: Clackamas County Procurement Division, 2051 Kaen Road, Oregon City, OR 97045 or emailed to the County Contract Analyst.

Required - Workers Compensation: Contractor shall comply with the statutory workers' compensation requirements in ORS 656.017, unless exempt under ORS 656.027 or 656.126.
<input checked="" type="checkbox"/> Required – Commercial General Liability: combined single limit, or the equivalent, of not less than \$1,000,000 per occurrence, with an annual aggregate limit of \$2,000,000 for Bodily Injury and Property Damage.
<input checked="" type="checkbox"/> Required – Professional Liability: combined single limit, or the equivalent, of not less than \$1,000,000 per claim, with an annual aggregate limit of \$2,000,000 for damages caused by error, omission or negligent acts.
<input checked="" type="checkbox"/> Required – Automobile Liability: combined single limit, or the equivalent, of not less than \$1,000,000 per accident for Bodily Injury and Property Damage.

The policy(s) shall be primary insurance as respects to the County. Any insurance or self-insurance maintained by the County shall be excess and shall not contribute to it. Any obligation that County agree to a waiver of subrogation is hereby stricken.

- 10. Limitation of Liabilities.** This Contract is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provisions herein which would conflict with law are deemed inoperative to that extent. Except for liability arising under or related to Article II, Section 13 or Section 20 neither party shall be liable for (i) any indirect, incidental, consequential or special damages under this Contract or (ii) any damages of any sort arising solely from the termination of this

Contact in accordance with its terms.

- 11. Notices.** Except as otherwise provided in this Contract, any required notices between the parties shall be given in writing by personal delivery, email, or mailing the same, to the Contract Administrators identified in Article 1, Section 6. If notice is sent to County, a copy shall also be sent to: Clackamas County Procurement, 2051 Kaen Road, Oregon City, OR 97045. Any communication or notice so addressed and mailed shall be deemed to be given five (5) days after mailing, and immediately upon personal delivery, or within 2 hours after the email is sent during County's normal business hours (Monday – Thursday, 7:00 a.m. to 6:00 p.m.) (as recorded on the device from which the sender sent the email), unless the sender receives an automated message or other indication that the email has not been delivered.
- 12. Ownership of Work Product.** All work product of Contractor that is created solely in connection with this Contract (the "Work Product") is the exclusive property of County. County and Contractor intend that such Work Product be deemed "work made for hire" of which County shall be deemed the author. If for any reason the Work Product is not deemed "work made for hire," Contractor hereby irrevocably assigns to County all of its right, title, and interest in and to any and all of the Work Product, whether arising from copyright, patent, trademark or trade secret, or any other state or federal intellectual property law or doctrine. Contractor shall execute such further documents and instruments as County may reasonably request in order to fully vest such rights in County. Contractor forever waives any and all rights relating to the Work Product, including without limitation, any and all rights arising under 17 USC § 106A or any other rights of identification of authorship or rights of approval, restriction or limitation on use or subsequent modifications. Notwithstanding the above, County shall have no rights in any pre-existing Contractor intellectual property provided to County by Contractor in the performance of this Contract except to copy, use and re-use any such Contractor intellectual property for County use only. Any modification of the Work product or reuse of the Work Product outside of its intended purpose under this Contract shall be without liability to Contractor and at County's sole risk.
- 13. Representations and Warranties.** Contractor represents and warrants to County that (A) Contractor has the power and authority to enter into and perform this Contract; (B) this Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms; (C) Contractor shall at all times during the term of this Contract, be qualified, professionally competent, and duly licensed to perform the Work; (D) Contractor is an independent contractor as defined in ORS 670.600; and (E) the Work under this Contract shall be performed in accordance with the standard of professional skill and care required for a project of similar size, location, scope, and complexity, during the time in which the Work is being performed. The warranties set forth in this section are in addition to, and not in lieu of, any other warranties provided. The Contractor shall be responsible for the technical accuracy of its services and documents resulting therefrom, and County shall not be responsible for discovering deficiencies therein. The Contractor shall correct such deficiencies without additional compensation except to the extent such action is directly attributable to deficiencies in information furnished by the County.
- 14. Survival.** All rights and obligations shall cease upon termination or expiration of this Contract, except for the rights and obligations set forth in Article II, Sections 1, 6, 7, 10, 12, 13, 14, 15, 17, 20, 21, 25, 27, 28, 32, 33, and 34, and all other rights and obligations which by their context are intended to survive. However, such expiration shall not extinguish or prejudice the County's right to enforce this Contract with respect to: (a) any breach of a Contractor warranty; or (b) any default or defect in Contractor performance that has not been cured.
- 15. Severability.** If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be

affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular term or provision held to be invalid.

16. Subcontracts and Assignments. Contractor shall not enter into any subcontracts for any of the Work required by this Contract, or assign or transfer any of its interest in this Contract by operation of law or otherwise, without obtaining prior written approval from the County, which shall be granted or denied in the County's sole discretion. In addition to any provisions the County may require, Contractor shall include in any permitted subcontract under this Contract a requirement that the subcontractor be bound by this Article II, Sections 1, 7, 8, 13, 16 and 27 as if the subcontractor were the Contractor. County's consent to any subcontract shall not relieve Contractor of any of its duties or obligations under this Contract.

17. Successors in Interest. The provisions of this Contract shall be binding upon and shall inure to the benefit of the parties hereto, and their respective authorized successors and assigns.

18. Tax Compliance Certification. The Contractor shall comply with all federal, state and local laws, regulation, executive orders and ordinances applicable to this Contract. Contractor represents and warrants that it has complied, and will continue to comply throughout the duration of this Contract and any extensions, with all tax laws of this state or any political subdivision of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318. Any violation of this section shall constitute a material breach of this Contract and shall entitle County to terminate this Contract, to pursue and recover any and all damages that arise from the breach and the termination of this Contract, and to pursue any or all of the remedies available under this Contract or applicable law.

19. Terminations. This Contract may be terminated for the following reasons: (A) by mutual agreement of the parties or by the County (i) for convenience upon thirty (30) days written notice to Contractor, or (ii) at any time the County fails to receive funding, appropriations, or other expenditure authority as solely determined by the County; or (B) if Contractor breaches any Contract provision or is declared insolvent, County may terminate after thirty (30) days written notice with an opportunity to cure.

Upon receipt of written notice of termination from the County, Contractor shall immediately stop performance of the Work. Upon termination of this Contract, Contractor shall deliver to County all documents, Work Product, information, works-in-progress and other property that are or would be deliverables had the Contract Work been completed. Upon County's request, Contractor shall surrender to anyone County designates, all documents, research, objects or other tangible things needed to complete the Work.

20. Remedies. If terminated by the County due to a breach by the Contractor, then the County shall have any remedy available to it in law or equity. If this Contract is terminated for any other reason, Contractor's sole remedy is payment for the goods and services delivered and accepted by the County, less any setoff to which the County is entitled.

21. No Third Party Beneficiaries. County and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms. Nothing in this Contract gives, is intended to give, or shall be construed to give or provide any benefit or right, whether directly, indirectly or otherwise, to third persons unless such third persons are individually identified by name herein and expressly described as intended beneficiaries of the terms of this Contract.

22. Time is of the Essence. Contractor agrees that time is of the essence in the performance of this Contract.

- 23. Foreign Contractor.** If the Contractor is not domiciled in or registered to do business in the State of Oregon, Contractor shall promptly provide to the Oregon Department of Revenue and the Secretary of State, Corporate Division, all information required by those agencies relative to this Contract. The Contractor shall demonstrate its legal capacity to perform these services in the State of Oregon prior to entering into this Contract.
- 24. Force Majeure.** Neither County nor Contractor shall be held responsible for delay or default caused by events outside the County or Contractor's reasonable control including, but not limited to, fire, terrorism, riot, acts of God, or war. However, Contractor shall make all reasonable efforts to remove or eliminate such a cause of delay or default and shall upon the cessation of the cause, diligently pursue performance of its obligations under this Contract.
- 25. Waiver.** The failure of County to enforce any provision of this Contract shall not constitute a waiver by County of that or any other provision.
- 26. Public Contracting Requirements.** Pursuant to the public contracting requirements contained in Oregon Revised Statutes ("ORS") Chapter 279B.220 through 279B.235, Contractor shall:
- a. Make payments promptly, as due, to all persons supplying to Contractor labor or materials for the prosecution of the work provided for in the Contract.
 - b. Pay all contributions or amounts due the Industrial Accident Fund from such Contractor or subcontractor incurred in the performance of the Contract.
 - c. Not permit any lien or claim to be filed or prosecuted against County on account of any labor or material furnished.
 - d. Pay the Department of Revenue all sums withheld from employees pursuant to ORS 316.167.
 - e. As applicable, the Contractor shall pay employees for work in accordance with ORS 279B.235, which is incorporated herein by this reference. The Contractor shall comply with the prohibitions set forth in ORS 652.220, compliance of which is a material element of this Contract, and failure to comply is a breach entitling County to terminate this Contract for cause.
 - f. If the Work involves lawn and landscape maintenance, Contractor shall salvage, recycle, compost, or mulch yard waste material at an approved site, if feasible and cost effective.
- 27. No Attorney Fees.** In the event any arbitration, action or proceeding, including any bankruptcy proceeding, is instituted to enforce any term of this Contract, each party shall be responsible for its own attorneys' fees and expenses.
- 28. Reserved.**
- 29. Reserved.**
- 30. Key Persons.** Contractor acknowledges and agrees that a significant reason the County is entering into this Contract is because of the special qualifications of certain Key Persons set forth in the contract. Under this Contract, the County is engaging the expertise, experience, judgment, and personal attention of such Key Persons. Neither Contractor nor any of the Key Persons shall delegate performance of the management powers and responsibilities each such Key Person is required to provide under this Contract to any other employee or agent of the Contractor unless the County provides prior written consent to such delegation. Contractor shall not reassign or transfer a Key Person to other duties or positions such that the Key Person is no longer available to provide the County with such Key Person's services unless the County provides prior written consent to such reassignment or transfer.
- 31. Reserved.**

32. Reserved.

33. Reserved.

34. **Merger.** THIS CONTRACT CONSTITUTES THE ENTIRE AGREEMENT BETWEEN THE PARTIES WITH RESPECT TO THE SUBJECT MATTER REFERENCED THEREIN. THERE ARE NO UNDERSTANDINGS, AGREEMENTS, OR REPRESENTATIONS, ORAL OR WRITTEN, NOT SPECIFIED HEREIN REGARDING THIS CONTRACT. NO AMENDMENT, CONSENT, OR WAIVER OF TERMS OF THIS CONTRACT SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY ALL PARTIES. ANY SUCH AMENDMENT, CONSENT, OR WAIVER SHALL BE EFFECTIVE ONLY IN THE SPECIFIC INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN. CONTRACTOR, BY THE SIGNATURE HERETO OF ITS AUTHORIZED REPRESENTATIVE, IS AN INDEPENDENT CONTRACTOR, ACKNOWLEDGES HAVING READ AND UNDERSTOOD THIS CONTRACT, AND CONTRACTOR AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.

By their signatures below, the parties to this Contract agree to the terms, conditions, and content expressed herein.

Conсор North America, Inc.

Clackamas County

DocuSigned by:

Chris Link

12/3/2025 | 5:11:39 PM EST

Authorized Signature

Date

Signature

Date

Chris Link

District Manager OR/ID Transportation

Name / Title (Printed)

Title:

146807-14

Oregon Business Registry #

Approved for Legal Sufficiency:

DBC/Oregon

Entity Type / State of Formation

Amanda Kell

County Counsel

12/4/2025

Date

EXHIBIT A
PERSONAL SERVICES CONTRACT
SCOPE OF WORK

EXHIBIT A

SCOPE OF WORK FOR DESIGN SERVICES FOR 2026 TRANSPORTATION MAINTENANCE PAVING PROJECTS CLACKAMAS COUNTY

Introduction

The Clackamas County Department of Transportation and Development - Transportation Maintenance Division (County) maintains and repairs about 1,400 miles of County-owned surface streets of varying size and capacity requiring rehabilitation and preventative maintenance to keep them operational.

Consultant will provide design services for the 2026 Transportation Maintenance Paving Projects including project management and coordination, topographic survey (at ramp location), ROW retracement (at ramp location), legal descriptions and exhibits (at ramp location), monument recovery, utility coordination, geotechnical investigations, PS&E (plans, specifications, and estimates), and bid assistance. The Consultant Project Delivery Team is led by Consor North America, Inc. (Consor) with subconsultant partners as listed in Table 1 below.

Table 1: Consultant Project Delivery Team

Company	Discipline
Consor	Project Management/Roadway & Traffic Design/Utility Coordination
Apex	Topographic Survey and ROW Retracement (at River Rd and Boardman Ave curb ramp location)/ROW Legal Descriptions (at River Rd and Boardman Ave curb ramp location)/Pre- and Post-construction Monument Survey
GRI	Geotechnical Investigations

Project Description

The 2026 Transportation Maintenance Paving Projects are divided into six (6) separate pavement resurfacing projects that will pave approximately 9.7 miles of road. The paving projects are titled River Road, Bonita Road, Bakers Ferry Road, Beavercreek Woods, Clayson Area, and Marquam Paving Projects. The projects include planned street segments to be resurfaced and designed by the Consultant and are listed below in Table 2 as provided by the County.

Table 2: Road Rehabilitation List

Road Name	From	To	Length (ft)
River Rd	Jennings Ave	Roethe Rd	2,957
River Road Paving Project Subtotal			2,957
Bonita Rd	5966 Bonita Rd	Bangy Rd	1,333
Bonita Road Paving Project Subtotal			1,333
Bakers Ferry Rd	Springwater Rd	Gerber Rd	8,765
Bakers Ferry Rd	Gerber Rd	Harding Rd	5,174
Bakers Ferry Road Paving Project Subtotal			13,939
Dans Ave	Leland Rd	Cul de sac	1,296
Dales Ave	Dans Ave	Leslie Ave	2,138
Marilyns Ave	Dales Ave	Cul de sac	465
Leslie Ave	Leland Ave	Cul de sac	2,070
Beavercreek Woods Paving Project Subtotal			5,969
Colony Cir	Clayson Ave	Clayson Ave	1,840
Clayson Ave	Oatfield Rd	Portland Ave	1,650
Colina Vista Ave	Clayson Ave	Jennings Ave	1,032
Crystal Ln	Clayson Ave	Emerald Dr	990
Emerald Dr	Clayson Ave	Jennings Ave	840
Garnet Way	Emerald Ave	Emerald Ave	950
Progress Ct	Clayson Ave	Cul de sac	102
Pilgrim Ct	Clayson Ave	Cul de sac	102
Plymouth Ct	Clayson Ave	Cul de sac	108
Clayson Area Paving Project Subtotal			7,614
Drake Rd	Hwy 213	County Line	8,395
Farm Rd	Drake Rd	Oster Rd	5,214
Farm Rd	Oster Rd	Monte Cristo Rd	5,275
Marquam Paving Project Subtotal			18,884
Total for all Six Paving Projects			50,696

One (1) unsignalized intersection corner is anticipated for full ADA curb ramp retrofit with topographic survey as part of the River Road Paving Project at the intersection of SE River Road and SE Boardman Ave (Corner 4).

Existing newly constructed curb ramps at SE River Road and SE Faith Avenue are reported to be ADA compliant by the County, with the exception of Corner 4, Ramp 1 (southwest corner, ramp crossing SE Faith Avenue) where the County reports an existing ¼-inch lip at the existing truncated dome to back of curb interface. A partial ADA curb ramp retrofit is anticipated to remediate this ramp by replacing the ramp panel and installing wet-set domes utilizing field obtained data to create an existing basemap and proposed 2D retrofit design (no topographic survey and no design elevations/slopes provided in the Contract Documents). Proposed work is not anticipated to extend beyond the existing walk limits and no ROW impacts are anticipated.

Existing mid-block end of walk locations, commercial/residential driveways, sidewalk between corners, bus stops, and pedestrian elements beyond the ROW throughout the six (6) separate project limits will not be addressed for ADA compliance, as these elements are not triggered for ADA compliance by pavement maintenance work as described in Sec R203.2.1 of PROWAG requirements. Traffic signal and pedestrian push button signal work are also not anticipated in any of the project areas.

County Responsibilities

The County will be responsible for the following:

- A. Provide a project manager who is responsible for overall project development and management and for coordination between the Consultant and the County.
- B. Review and verify the work scope and design parameters for each project, including curb ramp retrofit locations, proposed PROWAG/County ADA standards, and exceptions to standards when requested.
- C. Review and process Consultant's monthly payment requests.
- D. Provide Consultant with the County's standard 11"x17" drafting border, title block and drafting standards required to be followed including dated plan sheets and revision dates for 30%, 99% and final.
- E. Provide Consultant with digital copies of the current County 00100 Special Provisions. County will also be responsible for preparing the front-end contract forms and assembling the bid-package.
- F. Provide Consultant with digital copies of relevant forms such as curb ramp and crosswalk designer checklists, inspection forms, and cost estimate/schedule of bid items templates.
- G. Review and approve right-of-way permit application(s) prepared by Consultant for design field work when presented. It is assumed that the County will pay for all permit fees if applicable.
- H. Provide timely review and comment on reports, drawings, bid items and quantities, estimate, and specifications submitted by Consultant to County for review and approval. County will provide review and comments within one (1) week of submittal.
- I. Coordinate communication among County staff, organize comments on deliverables, and provide unified feedback to the Consultant.
- J. Renew and continue to administrate the County-wide 1200-CA erosion control permit.
 - a. No additional documentation is required for project work within County permit jurisdiction by Oregon DEQ, Water Environment Services (WES) or other permitting agencies while the 1200-CA umbrella permit remains in effect.
 - b. An Oak Lodge Water Services (OLWS) erosion control permit will be required for project work within the River Road Paving Project and the Clayson Area Paving Project. It is

assumed project work will not trigger OLWS stormwater quality/quantity requirements. Therefore, stormwater management documentation and design for water quality or quantity are not included in this scope of work.

- c. A Clean Water Services (CWS) erosion control permit will be required for project work within the Bonita Road Project. It is assumed project work will not trigger CWS stormwater quality/quantity requirements. Therefore, stormwater management documentation and design for water quality or quantity are not included in this scope of work.
- K. Provide legal review of contracts, bid forms, and real property.
- L. Manage the relationship with other agencies (cities, ODOT, OLWS, CWS, Tri-Met, etc.) involved in the project, as needed.
- M. Participate in the geotechnical field walk-through with Consultant staff to verify pavement rehabilitation treatment as part of the 30% design submittal (see Task 4 and Tasks 6.1, 7.1, 8.1, 9.1, 10.1, and 11.1).
- N. Advertise and manage the bidding and construction contracting process.
- O. Manage the right-of-way acquisition process beyond preparing the legal descriptions, exhibits, and impact maps.
- P. Manage the public involvement process.
- Q. Manage the right-of-entry process for driveway connections, as necessary.
- R. Manage the construction process.

Scope of Services

Consultant will perform the following services.

Task 1: Project Management and Coordination

As part of the overall project management of the project, the Consultant will:

- A. Designate and coordinate the Consultant team.
- B. Schedule, prepare for, attend, and document project kickoff meeting. A project kickoff meeting will include the Consultant (assumed 4 Consor team members and 1 GRI team member), County Staff, and other project stakeholders. Project kick-off meeting will be held in-person at the County Transportation Maintenance office (19246 Wachen Parkway, Oregon City, Oregon). Subconsultant budget is covered under Task 4.
- C. Prepare a detailed schedule showing all major tasks, meetings, and review milestones. Update the schedule after each milestone, as necessary (1 schedule revision assumed).
- D. Coordinate submittal and review by the County at each milestone completion.
- E. Prepare detailed monthly progress reports with schedule updates and progress billings and submit to the County for approval and payment. Monitor and manage project budget.
- F. Prepare for, attend, and document up to three (3) work session meetings that may include combined discussions of the six paving projects. Work session meetings will include the Consultant (assumed 3 Consor team members and 1 GRI team member), County Staff, and other project stakeholders. Work session meetings will be conducted virtually or in person at the County Transportation Maintenance office, if warranted. Subconsultant budget is covered under Task 4.
- G. Conduct virtual video call work sessions, up to two per month for six (6) months, to keep the project team informed about issues, decisions and impacts. Virtual video calls will include the Consultant (assumed 3 Consor team members) and County Staff. Document decisions in email format.
- H. Conduct internal Quality Control and Quality Assurance reviews for all submittals.

- I. Document action items from meetings, comments, and responses in a master comment/response log.
- J. Monitor and manage project scope and schedule.

Assumptions:

- A. Work schedule is assumed to be as follows:
 - a. PS&E for all projects from November 13, 2025 through February 13, 2026 (4 months), bid opening April 2026, and ROW work from January 2026 through June 2026. Post-construction monument survey work will take place in Fall 2026 after construction is complete.
- B. The 30% paving design work sessions/meeting (field walk) will be for all paving projects. Assume four days to complete field walks for all project areas.
- C. Invoice/project reports will be submitted monthly through bid opening (assumed six (6) months from NTP to bid opening) and then every other month through December 2026 (ten (10) total invoices)
- D. Construction phase services are not included.
- E. Meetings will be held at 19246 Wacheno Pkwy, Oregon City, OR 97045, virtually online, or in the field as necessary.

Task 1.1: Project Management and Coordination for River Road Paving Project

The Consultant will perform all work as described above.

Task 1.2: Project Management and Coordination for Bonita Road Paving Project

The Consultant will perform all work as described above.

Task 1.3: Project Management and Coordination for Bakers Ferry Road Paving Project

The Consultant will perform all work as described above.

Task 1.4: Project Management and Coordination for Beavercreek Woods Paving Project

The Consultant will perform all work as described above.

Task 1.5: Project Management and Coordination for Clayson Area Paving Project

The Consultant will perform all work as described above.

Task 1.6: Project Management and Coordination for Marquam Paving Project

The Consultant will perform all work as described above.

Task 1 Deliverables:

- A. Monthly progress reports, engineering schedule updates, and progress billings
- B. Project schedule, and schedule updates after design review meetings if necessary
- C. Meeting agendas and minutes

Task 2: Project Design Criteria – Reserved

The project design criteria is addressed under Task 6.1, Task 7.1, Task 8.1, Task 9.1, Task 10.1, and Task 11.1 utilizing the Field Verification Checklist.

Task 3: Surveying, Monumentation, and Boundary Resolution

As part of the topographic survey, boundary resolution, and monumentation of the project, the Consultant will:

- A. Topographic Survey at Curb Ramp Locations
 - a. Survey work will include topographic and control/monument recovery survey for the one (1) curb ramp corner in the River Road Paving Project (SW corner of River Rd and Boardman Ave). The proposed work includes field survey of existing above ground features (i.e. edge of pavement, pavement markings, curbs, sidewalks, driveways, mailboxes, buildings, walls, fences, significant landscaping, trees, underground and aboveground utilities, drainage facilities (with flowlines of upstream and downstream structures), etc.) as well as elevations. Topographic basemap will have one-foot contour intervals. The typical limits of survey for each corner include grid shots every 5 feet within 20 feet from the corner, in each direction. Beyond 20 feet from the corner, survey grid shots are collected every 10 feet for an additional 30 feet. Additionally, typical limits of survey extend from the curb line to the bike lane on collector/arterial roads, and to the roadway centerline of the minor street. The below ground utilities will be included from one-call locate paint marks and existing utility provided mapping.
- B. Pre-construction Survey
 - a. Conduct a Pre-Construction Survey along the paving project and curb ramp retrofit corners in the River Road Paving Project during the design phase.
 - b. Review existing county records (i.e. surveys, plats, deeds, etc) for surveys conducted along the project corridor, within the proposed work area. Search for and tie property corners/monuments in the field. Backfill and cold patch all found monuments in paved surfaces as necessary.
 - c. Identify property corners/monuments on plan sheets and in AutoCAD format within the proposed work area. Provide construction notes to maintain and protect, adjust or install new boxes over existing monuments.
- C. Post-construction Survey
 - a. Verify if any monuments need to be recovered after construction.
 - b. Check monument locations after construction and reset any monuments disturbed or destroyed.
 - c. Prepare and file a post-construction record of survey with the County's Surveyor.
- D. Boundary Resolution
 - a. Boundary resolution work for the curb ramp corner in the River Road Paving Project (southwest corner of River Rd and Boardman Ave). This includes research, additional field ties and boundary resolution necessary to develop right-of-way lines in improvement areas.
- E. Right-of-Way Descriptions and Exhibits
 - a. Produce up to two (2) descriptions and exhibits, and impact maps for the County's use in right-of-way acquisitions and temporary construction easements associated with the curb ramp corner in the River Road Paving Project (southwest corner of River Rd and Boardman Ave). Calculate and write legal description for the property acquisition of permanent right-

of-way and for temporary construction easement. Permanent right-of-way and temporary construction easements shall be combined into a single exhibit and description for each property involved. The description shall be dated and stamped by a land surveyor licensed in the State of Oregon. Descriptions shall be provided in electronic (PDF) format.

- b. Prepare right-of-way impact maps for up to two (2) properties (by Consor), showing the proposed improvements and affected property items (trees, fences, etc.) located within permanent right-of-way and temporary construction easement area.
- c. Coordinate with County for right-of-way or property information needed for preparing descriptions and exhibits (by Apex), and right-of-way impact maps (by Consor).

F. Right-of-Way Staking

- a. Stake the location of the proposed right-of-way acquisition and easement for each property impacted by curb ramp construction during project development or at other times of County need.

Assumptions:

- A. Topographic survey is only needed for the full curb ramp corner retrofit in the River Road Paving Project (southwest corner of River Rd and Boardman Ave). A partial ADA curb ramp retrofit is anticipated for the ramp at the southwest corner of River Rd and Faith Ave (Corner 4, Ramp 1, crossing Faith Ave) utilizing field obtained data performed under Task 6.1 to create an existing basemap (no topographic survey). Pavement rehabilitation plans will be developed by tracing existing aerial mapping performed under Task 6.1, Task 7.1, Task 8.1, Task 9.1, Task 10.1, and Task 11.1.
- B. Horizontal positioning based on the Oregon Coordinate Reference System (OCRS) and elevations based on NAVD'88
- C. A pre-construction Record of Survey for pavement management/curb ramp retrofit type of work is not required to be submitted to the County.
- D. Consultant shall coordinate with the County surveyor for monumentation needs, including if existing monuments found during the pre-construction survey are required to be protected, adjusted, or placed inside a new monument box.
- E. Consultant will identify monument locations on the paving plans and indicate if the monument is to be protected, adjusted, or monument box be installed where none exists.
- F. Cost of Post-Construction Record of Survey review by the County Surveyor's office and mylar filing fee are included.
- G. Cost of backfilling and cold patching found monuments is included.
- H. Clackamas County will provide recorded dedication documents in areas of right-of-way that need clarification and are not clear based on available online survey records.
- I. Consultant (Apex) will obtain up to two (2) title reports and will review and incorporate into the ROW CAD drawing file for the curb ramp corner in the River Road Paving Project (SW corner of River Rd and Boardman Ave).
- J. Right-of-way acquisition tasks beyond production of the exhibits and descriptions, and impact maps will be the County's responsibility.
- K. Right-of-way staking assumes up to 2 separate trips to the project site to perform staking activities.

Task 3.1: Surveying, Monumentation, and Boundary Resolution for River Road Paving Project

The Consultant will perform all work as described in Item A (Topographic Survey) through Item F (Right-of-Way Staking) above.

Task 3.2: Surveying, Monumentation, and Boundary Resolution for Bonita Road Paving Project

The Consultant will perform all work as described in Item B (Pre-Construction Survey) and Item C (Post-Construction Survey) above.

Task 3.3: Surveying, Monumentation, and Boundary Resolution for Bakers Ferry Road Paving Project

The Consultant will perform all work as described in Item B (Pre-Construction Survey) and Item C (Post-Construction Survey) above.

Task 3.4: Surveying, Monumentation, and Boundary Resolution for Beavercreek Woods Paving Project

The Consultant will perform all work as described in Item B (Pre-Construction Survey) and Item C (Post-Construction Survey) above.

Task 3.5: Surveying, Monumentation, and Boundary Resolution for Clayson Area Paving Project

The Consultant will perform all work as described in Item B (Pre-Construction Survey) and Item C (Post-Construction Survey) above.

Task 3.6: Surveying, Monumentation, and Boundary Resolution for Marquam Paving Project

The Consultant will perform all work as described in Item B (Pre-Construction Survey) and Item C (Post-Construction Survey) above.

Task 3 Deliverables

- A. Topographic basemap in AutoCAD format (conforming to Consor CAD standards), Resolved right-of-way within CAD drawing file, and *.dtm files for the existing single curb ramp corner in the River Road Paving Project (SW corner of River Rd and Boardman Ave).
- B. Work at monument locations found during the Pre-Construction Survey shall be coordinated with the County survey office for monumentation needs such as protecting, adjusting, or installing a new monument box where none exists. Final monumentation work shall be shown on the paving plans.
- C. Post-Construction record of survey submitted to the Clackamas County Surveyor
- D. Legal descriptions and exhibits based on County provided template for up to two properties
- E. Impact map (by Consor) for one property based on County provided template

Task 4: Geotechnical Investigation

Consultant will complete pavement investigations to evaluate the existing pavement thickness and pavement capacity for each street section. For all street sections, Consultant will determine an appropriate pavement rehabilitation method for each street section.

Specific services include the following:

Field Investigations:

- A. Complete a generalized distress survey of each road section. Provide a qualitative review and summary of pavement conditions.

- B. Provide traffic control and traffic control plans when required. It is assumed permitting requirements and fees will be handled by County personnel.
- C. Complete Ground Penetrating Radar (GPR) testing on each road section in the outside wheel track of the main travel lanes using a 2 GHz truck-mounted horn antenna on each street.
- D. Analyze truck-mounted GPR data and provide a plot of estimated asphalt concrete thickness by pavement station. GPR data to be proofed by subsurface exploration data.
- E. Develop an exploration work plan and request exploration utility One-Call locates. A single work plan will cover all paving packages.
- F. Explore subsurface conditions in the proposed sections by completing core borings to depths of up to three feet below ground surface (BGS). It is assumed that up to 57 cores will be completed to compare GPR with in-situ conditions for the subject streets identified in Table 2. In general, core explorations will be completed to approximately three feet BGS; however, if borings encounter conditions within areas cleared of active utilities that suggest the presence of a potential active/abandoned utility (e.g., an aggregate-filled trench), Consultant will attempt to relocate the boring within the cleared utility area, otherwise Consultant will limit the boring to the pavement surfacing only.
- G. Conduct dynamic cone penetration (DCP) testing at every core location per street section. Evaluate DCP results and soil classification results to estimate the resilient modulus of the subgrade soil.
- H. Maintain a detailed log of the explorations. Obtain samples of the pavement, base, and subgrade materials encountered.
- I. Complete Falling Weight Deflectometer (FWD) testing on River Road, Bonita Road, and Bakers Ferry Road in the outside wheel track of the main travel lanes, in both directions using a spacing of 250 feet.
 - a. FWD testing is not recommended due to lack of anticipated roadway structure on streets in the Beavercreek Woods Paving Project, Clayson Area Paving Project, and Marquam Paving Project,
- J. Analyze data and provide estimated resilient moduli for the asphalt concrete, aggregate base, and subgrade (as applicable) to use in the rehabilitation design.
- K. Analyze traffic data to be provided by the County and calculate 20-year, 15-year design equivalent single axle loading (ESAL).
- L. Conduct laboratory testing of subsurface samples to provide data on the physical characteristics and to classify subsurface materials.
- M. Provide a summary of pavement capacity compared to 20-year design life.

Pavement Rehabilitation Design:

- A. Conduct site visit for each street (with County staff if available) to complete site reconnaissance for the purpose of developing pavement rehabilitation designs. It is assumed this field visit will occur after the draft pavement investigations and preliminary recommendations are available for reference.
- B. Develop preliminary construction cost estimates (by Consor) based on preliminary pavement design recommendations by GRI (completed under Task 6.1, Task 7.1, Task 8.1, Task 9.1, Task 10.1, and Task 11.1) for reference during the site visit under item A above.
- C. Develop recommended pavement designs.
 - a. Recommended pavement designs include asphalt overlay, asphalt grind and inlay, asphalt remove and replace and full depth reconstruction. Recommendations will also include recommendations for ACP leveling, spot repair, and subgrade repair.

- b. It is anticipated that the project budget cannot support a full depth reconstruction option, but a pavement design is provided for 30% design cost estimating purposes (Task 6.1, Task 7.1, Task 8.1, Task 9.1, Task 10.1, and Task 11.1).

Assumptions:

- A. Permitting documentation for pavement explorations will be prepared by Consultant. Fees for pavement investigation permitting will be paid by the County. Pavement restoration from pavement cores will be performed by Consultant.
- B. Any available traffic information for the project streets will be provided to the Consultant by the County when requested.

Task 4.1 – Geotechnical Investigations for River Road Paving Project

Specific services will be completed per Task 4. It is assumed up to 4 cores and FWD testing will be completed.

Task 4.2 – Geotechnical Investigations for Bonita Road Paving Project

Specific services will be completed per Task 4. It is assumed up to 3 cores and FWD testing will be completed.

Task 4.3 – Geotechnical Investigations for Bakers Ferry Road Paving Project

Specific services will be completed per Task 4. It is assumed up to 5 cores and FWD testing will be completed.

Task 4.4 – Geotechnical Investigations for Beaver Creek Woods Paving Project

Specific services will be completed per Task 4. It is assumed up to 8 cores will be completed.

Task 4.5 – Geotechnical Investigations for Clayson Area Paving Project

Specific services will be completed per Task 4. It is assumed up to 19 cores will be completed.

Task 4.6 – Geotechnical Investigations for Marquam Paving Project

Specific services will be completed per Task 4. It is assumed up to 18 cores will be completed.

Task 4 Deliverables:

- A. Exploration work plan. A single work plan can cover all paving projects.
- B. Draft field investigation findings with recommended pavement rehabilitations, for use during the field visit with County staff.
- C. A single Pavement Design report will cover all paving projects. Draft data and design report summarizing field investigation findings and input/decisions/direction from the field visit with County staff. Draft pavement report due two weeks following the field visit with County staff.
- D. Final data and design report incorporating County comments due one week following comments on the draft report received from County staff.

Task 5: Utility Coordination

Minor utility conflicts are anticipated relative to pavement elevation changes and curb ramp replacement. Utility adjustments may include valve box (gas and water) adjustments and manhole (storm, sewer, telephone, and other) adjustments. Adjustments to County-owned facilities (storm) will be incorporated into the design. Relocation of County storm catch basins will be avoided if possible, and design exceptions requested where feasible to avoid relocation.

Utility coordination efforts will include:

- A. Develop a utility contact information list.
- B. Email project information letters to utility companies involved to explain nature of the work and schedule.
- C. Issue conflict notices (utilities to determine potential conflicts) to impacted utilities via email with the 30% basemap for utilities to identify and resolve potential conflicts.
- D. Provide project plan updates via email to each utility at the 99% and 100% design phases.
- E. Coordinate with utilities to resolve utility conflicts and finalize utility relocation requirements as appropriate. Affected utilities will be responsible for developing their relocation designs. Consultant will review each utility's relocation plans and proposed schedule, provide written comments and recommendations. Utility relocation work will be conducted pursuant to existing franchise agreements and require a street opening permit.
- F. Conduct a utility coordination meeting with utility service providers and prepare meeting minutes of the coordination meeting (assume 1 meeting per paving project).
- G. Document all utility timing requirements and relocation commitments via email or written letter delivered to the utility owner.

Assumptions:

- A. Utility potholing of County-owned utilities will be performed by the County (as necessary).
- B. Franchise utilities are responsible for breaking valve cans loose prior to construction (gas/ water), performing vault/manhole minor adjustment of manholes when requested, and/or providing manhole paving rings for the County's Construction Contractor to install (communications, storm, sewer, etc.), and relocating utility poles and aerial lines if warranted.
- C. Budget assumes up to 8 utility providers per paving project that require coordination (power, communications (x3), water, gas, storm, and sewer)

Task 5.1: Utility Coordination for River Road Paving Project

The Consultant will perform all work as described above.

Task 5.2: Utility Coordination for Bonita Road Paving Project

The Consultant will perform all work as described above.

Task 5.3: Utility Coordination for Bakers Ferry Road Paving Project

The Consultant will perform all work as described above.

Task 5.4: Utility Coordination for Beavercreek Woods Paving Project

The Consultant will perform all work as described above.

Task 5.5: Utility Coordination for Clayson Area Paving Project

The Consultant will perform all work as described above.

Task 5.6: Utility Coordination for Marquam Paving Project

The Consultant will perform all work as described above.

Task 5 Deliverables:

- A. Utility contact list per paving project.
- B. Project information letters and conflict notices to each affected utility.
- C. Reviewed utility relocation plans with comments and recommendations.
- D. Documentation of all utility timing requirements and relocation commitments delivered via email or written letter.

Task 6: Design for River Road Paving Project

Task 6.1 – 30% Design

Task 6.1.1 – 30% Curb Ramp Retrofit Design

During this phase Consultant will focus on developing conceptual curb ramp sketches utilizing readily available aerial and streetview imagery to identify feasibility issues related to retrofitting the existing ADA curb ramp on River Rd at the intersection of Boardman Ave (Corner 4) and at the intersection of Faith Ave (Corner 4, Ramp 1) to current County ADA standards. Specific requirements under this task include:

- A. Complete office desktop review at each street crossing within paving limits utilizing readily available aerial and streetview imagery. Where sidewalks do not exist or where mid-block end of walk conditions exist, no curb ramps are required for County ADA compliance as described in Sec R203.2.1 of PROWAG requirements.
- B. Complete follow-up field evaluation of the existing intersection corner. Gather and document existing conditions including sidewalk width, curb width, curb exposure, grades, slopes, counterslopes, back of walk conditions (grass, shrubs, fence, rock wall etc.), and all pertinent information needed for proposed double ramp curb ramp layout.
 - a. Document ADA compliance at River Road and Faith Ave (Corner 4, Ramp 1, crossing Faith Ave) using the County ADA Inspection Form. ADA Inspection Forms are not required to be completed for other ramp locations.
- C. Develop conceptual 2D sketches of curb ramps on street view imagery with approximate ramp limits for use in developing future curb ramp details. Designs shall conform with County ADA Standards, and PROWAG. ODOT/APWA standard drawings will be referenced as part of the Contract Documents that support the approved project curb ramp designs.
- D. Designs will maintain positive drainage around each corner. No drainage analysis is required.
- E. Consultant shall indicate potential ADA design exception requests on the sketches, where applicable, utilizing the County's current ADA Assessment Checklist.
- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications and resubmit at the following milestone.

Assumptions:

- A. Curb ramp corner retrofit design at SE River Road and Boardman Ave (Corner 4) is anticipated to be a double ramp layout (two ramps per corner).
- B. Provide up to two (2) concept ramp retrofit designs at SE River Road and Boardman Ave (Corner 4 - double parallel or depressed), and summarize findings and recommendations in a brief memorandum.
- C. Existing mid-block end of walk locations, commercial/residential driveways, sidewalk between corners, bus stops, and pedestrian elements beyond the ROW throughout the project limits will not be addressed for ADA compliance with this project, as these elements are not triggered for ADA compliance by pavement maintenance projects as described in Sec R203.2.1 of PROWAG requirements.
- D. Existing newly constructed curb ramps at the intersection of River Road and Faith Avenue are reported by the County to be ADA compliant, with the exception of Corner 4, Ramp 1 (southwest corner, ramp crossing SE Faith Avenue) where the County reports an existing ¼-inch lip at the existing truncated dome to back of curb interface. A partial ADA curb ramp retrofit is anticipated to remediate this ramp by replacing the ramp panel and installing wet-set domes. Provide one (1) retrofit concept design to remediate the existing ramp. A summary of findings and recommendations memo is not required for this ramp location.
- E. No stormwater catch basin relocation work is anticipated.
- F. No illumination (street lighting and/or pedestrian lighting) upgrades are addressed under this scope of work.
- G. Sight distance analysis will not be required. The geometry of the curb ramps will be evaluated but the safety and/or location of the curb ramps will be not evaluated.
- H. Remove and reinstall existing permanent signs on existing posts where in conflict with curb ramp work. No traffic analysis will be required for operational impacts to relocated/adjust stop bar locations due to double ramp designs.
- I. County will perform outreach to the private property owner and determine existing landscape (non-structural) wall needs located at the existing back of walk at the southwest corner of River Rd and Boardman Ave. Wall design and wall plan/profile sheets will not be required. Existing wall may be removed and reinstalled, replaced in-kind, or replaced with a grade curb at back of walk. Work will be indicated on the paving plans and communicated through construction notes.

Task 6.1.2 – 30% Pavement Rehabilitation Design

During this phase Consultant will focus on developing the project basemap for future use under Task 6.2. The paving project basemap will be developed by tracing high resolution aerial mapping in AutoCAD format. Existing ROW will be shown based on approximate line work imported from County GIS files. Additionally, Consultant will prepare 30% design level engineer's estimate for the preliminary pavement design recommendations (see Task 4) for the street list described in Table 2.

Specific requirements under this task include:

- A. Complete a review of the County's existing mapping, as-builts, topographic surveys and GIS information.
- B. Obtain NearMap hi-resolution aerial mapping, and trace face of curb or edge of pavement to create a paving basemap and delineate the paving limits. Import approximate existing ROW linework from County GIS mapping. ROW retracement work for paving plans is not included with the scope of work.

- C. Prepare Field Verification Checklist for County review and comment.
 - i. No existing ADA compliance review work or new ADA ramp designs are anticipated beyond the ramp corner at River Rd and Boardman Ave.
 - ii. No stormwater quality or quantity improvements are understood to be required.
- D. Conduct site visit to field verify basemapping and identify potential areas of concern utilizing the Field Verification Checklist.
- E. Prepare preliminary cost estimate with 30% contingency based on the pavement rehabilitation design alternatives under Task 4. Cost estimate bid items will be based on the 2024 ODOT/APWA Standard Specifications for Construction. Cost estimate will be included with the preliminary geotechnical data and recommendations Task 4.
- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at the geotech field review meeting (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Submittal includes the aerial traced project basemap, and engineer's estimates for the preliminary geotechnical data and recommendations associated with Task 4. Plans and special provisions will be developed at the 99% design milestone. The design team will utilize the project basemap, the draft pavement design recommendations and the engineer's estimates to conduct the geotechnical field review described in Task 1 and Task 4.
- B. Full depth reconstruction and cement treated base treatments are not anticipated for this paving project. Treatments include overlay, grind/inlay or asphalt remove and replace with localized spot repairs..
- C. Consultant will respond to one unified set of comments from the County.

Task 6.2 – 99% Design

Task 6.2.1 – 99% Curb Ramp Retrofit Design

The purpose of the 99% level ADA design is to identify right of way needs, utility conflicts, cost and other feasibility issues related to retrofitting ADA curb ramps to current standards. Consultant will advance the selected curb ramp design at SE River Rd and SE Boardman Ave from the 30% concept design stage under Task 6.1.1 using the pocket topographic survey under Task 3, so that ADA and right-of-way requirements, the identification of utility and drainage conflicts, and cost can be identified. Consultant will also advance the partial ADA retrofit design as SE River Rd and SE Faith Ave from the 30% concept design stage under Task 6.1.1 using field obtained data (no topographic survey). Consultant will also provide erosion control plans and details for inclusion in the Contract Documents, and for use in obtaining the Oak Lodge Water Services Erosion Control Permit. Stormwater management coordination, design and permitting are excluded from this Scope of Work. Design work includes the following:

- A. Advance the selected 30% concept ramp design at SE River Rd and SE Boardman Ave under Task 6.1.1 utilizing pocket topographic survey
- B. Prepare a 99% curb ramp detail sheets at SE River Rd and SE Boardman Ave (2D ramp details utilizing pocket topographic survey) to clearly describe the work to be constructed. The anticipated scale for curb ramp details will be at 1"=5' on 11x17 sheets with one corner per sheet shown.
- C. Advance the selected 30% concept ramp design at SE River Rd and SE Faith Ave under Task 6.1.1 utilizing field obtained data (no topographic survey)

- D. Prepare a 99% curb ramp detail sheets at SE River Rd and SE Faith Ave (2D ramp details utilizing field obtained data – no topographic survey) to clearly describe the work to be constructed. The anticipated scale for curb ramp details will be at 1"=5' on 11x17 sheets with one corner per sheet shown.
- E. Prepare a 99% level cost estimate for the curb ramp work in a format acceptable to the County.
- F. Complete County-provided draft curb ramp checklists for the new ramp designs.
- G. Complete up to 1 draft design exceptions utilizing the County's ADA Facility Exception Request Form for each intersection requiring an exception from the County's ADA standards. Multiple exceptions can be combined into one request form per intersection, and an average effort of sixteen (16) hours per exception is assumed.
- H. Prepare temporary pedestrian access route detail sheets showing TPAR diversion/detour details for proposed ADA work locations. Assume two (2) sheets (one (1) sheet per ADA corner). Additional TCP/TPARP requirements for ADA work will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.
- H. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications and resubmit at the following milestone.

Assumptions:

- A. Proposed curb ramp retrofit at SE River Rd and SE Boardman Ave will be designed using a 2D "streamlined design" approach to develop approximate total footprint for bidding purposes, and identify ROW acquisition needs.
 - a. Final layouts for curb ramp retrofits will be coordinated in the field with the Contractor to meet the County's ADA standards.
 - b. No grading details with elevations will be provided. The 2D streamlined design approach will be enhanced using pocket topographic survey obtained by the project, and detailing a grading plan for the Engineer's use to more accurately define the curb ramp retrofit geometry and meet County ADA requirements. The grading plan will not be included in the project plans. To limit effort in developing the project plans, the plans will utilize the topographic survey as the existing basemap and show proposed curb ramp layout information similar to the streamlined design approach details.
 - c. Ramps serving both directions of pedestrian travel shall be designed, identifying "maximum extent feasible" elements where ADA compliance is not met.
 - d. Where pocket topographic survey is completed at ramp corners, the right-of-way line will be resolved under Task 3. It is assumed that the curb ramp design at River Rd and Boardman Ave will require right-of-way acquisitions and/or temporary construction easement areas to be obtained by the project (see Task 3).
- B. Proposed curb ramp retrofit at SE River Rd and SE Faith Ave will be designed using a 2D "streamlined design" approach to develop approximate total footprint for bidding purposes.
 - a. Existing newly constructed curb ramps at SE River Road and SE Faith Avenue are reported to be ADA compliant by the County, with the exception of Corner 4, Ramp 1 (southwest corner, ramp crossing SE Faith Avenue) where the County reports an existing ¼-inch lip at the existing truncated dome to back of curb interface.
 - b. A partial ADA curb ramp retrofit is anticipated to remediate this ramp by replacing the ramp panel and installing wet-set domes utilizing field obtained data to create an existing basemap and proposed 2D retrofit design (no topographic survey and no design elevations/slopes provided in the Contract Documents).

- c. Proposed work is not anticipated to extend beyond the existing walk limits and no ROW impacts are anticipated.
- d. Final layouts for curb ramp retrofits will be coordinated in the field with the Contractor to meet the County's ADA standards.
- e. No topographic survey, ROW retracement, or grading details with elevations will be provided. The 2D streamlined design approach will utilize field obtained data to create an existing basemap and proposed 2D retrofit design.
- C. Remove and reinstall existing permanent signs on existing posts where in conflict with curb ramp work.
- D. No crosswalk closures are anticipated.
- E. No illumination (street lighting and/or pedestrian lighting) upgrades are addressed under this scope of work.
- F. Sight distance analysis will not be required. The geometry of the curb ramps will be evaluated but the safety or location of the curb ramps will not be evaluated unless requested.
- G. Consultant will respond to one unified set of comments from the County for the 99% submittal.

Task 6.2.2 – 99% Pavement Rehabilitation Design

The 99% design submittal will be advanced from the 30% submittal (incorporating review comments as appropriate and submitting unsigned final PS&E documents). Consultant will also provide erosion control plans and details for inclusion in the Contract Documents, and for use in obtaining the Oak Lodge Water Services Erosion Control Permit. Stormwater management coordination, design and permitting are excluded from this Scope of Work. Additional tasks beyond those listed above include:

- A. Consultant will integrate the project basemap developed under Task 6.1.2 into project plan sheets.
- B. Prepare 99% construction plans and details to clearly describe the work to be constructed. Anticipated list of plan sheets are noted below.
- C. Prepare temporary traffic control plans for anticipated day work under single lane closures with flagging along River Road. TCP plans will indicate typical setups for use by the Contractor to develop a site specific TCP. Assume two TCP (2) sheets. Additional temporary traffic control requirements will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.
- D. Incorporate recommended pavement rehabilitation treatments for each street.
- E. Establish appropriate project limits, and edge and longitudinal treatment details. Include additional pavement rehabilitation details to clearly define the work as necessary.
- F. Prepare and submit erosion control plans and permit application to Oak Lodge Water Services (OLWS) for approval and inclusion in the Contract Documents. The County will be responsible for any permit fees.
- G. Prepare draft technical specifications in the 2024 ODOT/APWA format.
- H. Prepare 99% level cost estimate with 0% contingency and bid schedule. Contingency is covered under the bid item "Extra Work Done on Force Account Basis".
- I. Respond to County comments in a County-provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at design review meetings (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Full depth reconstruction and/or cement treated base is not anticipated for this paving project. Treatments include overlay, grind/inlay, and asphalt removal and replacement with localized spot repairs.
- B. Consultant will respond to one unified set of comments from the County.
- C. No striping plans are required. Existing striping will be shown and noted for replacement (meeting current MUTCD and County standards) on the construction plan sheets. Consultant shall coordinate with County Traffic Safety on proposed striping and delineator design review comments as necessary.
- D. An Oak Lodge Water Services (OLWS) erosion control permit will be required for project work along River Road. Per prior discussions between the County and OLWS, the project work will not trigger revised OLWS stormwater quality/quantity requirements. Therefore, stormwater management documentation and design for water quality or quantity will not be required and are not included in this scope of work.
 - i. Prepare and submit erosion control plans and permit application to OLWS for approval and inclusion in the Contract Documents.
- E. Curb ramp construction notes and landscape wall notes will be shown on the Paving Plans.

Task 6.3 – Final Design

Task 6.3.1 – Final Curb Ramp Retrofit Design

The final curb ramp design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

Task 6.3.2 – Final Pavement Rehabilitation Design

The final pavement rehabilitation design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

The following is the anticipated list of plan sheets for the River Road Paving Project:

Running Total	Sheets	Sheet Number	30%	99% & Final	Description
1	1	G1	No	Yes	Cover Sheet, Location Map, Index of Sheets
2	1	G2	No	Yes	Legend and General Notes
7	5	EC1 to EC5	No	Yes	Erosion Control Cover Sheet, Plans, and Details
11	4	TC1 to TC4	No	Yes	Temporary Traffic Control Plans and Pedestrian Access Routing Plans
12	1	C1	No	Yes	Typical Sections
15	3	C2 to C4	No	Yes	Paving Details
16	1	C5	No	Yes	Curb Ramp Typical Section and General Notes

18	2	C6 to C7	No	Yes	Curb Ramp Details
21	3	C8 to C10	No	Yes	Paving Plan and Notes

Task 6 Deliverables:

- A. Field Verification Checklist for pavement rehab streets (PDF)
- B. 30% paving basemap (PDF), and paving cost estimate (PDF and Excel) for use in the pavement investigation walkthrough
- C. 30% curb ramp retrofit concepts (up to 2) and summary/recommendations memorandum for River Rd and Boardman Ave (Corner 4) (PDF)
- D. County curb ramp inspection form for existing ramp at River Rd and Faith Ave (Corner 4, Ramp 1) (PDF)
- E. 30% curb ramp retrofit concept (1) for River Rd and Faith Ave (Corner 4, Ramp 1) (PDF)
- F. County ADA Curb Ramp Design Checklists at each milestone
- G. County ADA Design Exception Request (draft and final)
- H. Electronic versions of the 99% Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and OLWS permit application
- I. Electronic versions of the Final signed Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and final OLWS permit
- J. Comment/response logs

Task 7: Design for Bonita Road Paving Project

Task 7.1 – 30% Design

During this phase Consultant will focus on developing the project basemap for use under Task 7.2. The project basemap will be developed by tracing high resolution aerial mapping in AutoCAD format. Existing ROW will be shown based on approximate line work imported from County GIS files. Additionally, Consultant will prepare 30% design level engineer's estimate for the preliminary pavement design recommendations (see Task 4) for the street list described in Table 2.

Specific requirements under this task include:

- A. Complete a review of the County's existing mapping, as-builts, topographic surveys and GIS information.
- B. Obtain NearMap high-resolution aerial mapping, and trace face-of-curb or edge-of-pavement to create a paving basemap to inform the delineation of paving limits. Import approximate existing ROW linework from County GIS mapping. ROW retracement work for paving plans is not included with the scope of work.
- C. Prepare Field Verification Checklist for County review and comment.
 - a. No existing ADA compliance review work or new ADA ramp designs are anticipated.
 - b. No stormwater quality or quantity improvements are required.
- D. Conduct site visit to field verify basemapping and identify potential areas of concern utilizing the Field Verification Checklist.
- E. Prepare a 30% level cost estimate with 30% contingency, and bid schedule. Cost estimate bid items will be based on the 2024 ODOT/APWA Standard Specifications for Construction. Cost estimate will be included with the preliminary geotechnical data and recommendations under Task 4.

- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at the geotech field review meeting (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Submittal includes the aerial traced project basemap, and engineer's estimates for the preliminary geotechnical data and recommendations associated with Task 4. Plans and special provisions will be developed at the 99% design milestone. The design team will utilize the project basemap, the draft pavement design recommendations and the engineer's estimates to conduct the geotechnical field review described in Task 1 and Task 4.
- B. Full depth reconstruction is not anticipated for this paving project. Pavement treatment includes overlay and/or grind/inlay with localized spot repairs..
- C. Consultant will respond to one unified set of comments from the County.

Task 7.2 – 99% Design

The 99% design submittal will be advanced from the 30% submittal (incorporating review comments as appropriate and submitting unsigned final PS&E documents). Consultant will also provide erosion control plans and details for inclusion in the Contract Documents, and for use in obtaining the Clean Water Services Erosion Control Permit. Stormwater management coordination, design, and permitting are excluded from this Scope of Work. Additional tasks beyond those listed above include:

- A. Consultant will integrate the project basemap developed under Task 7.1 into project plan sheets.
- B. Prepare 99% construction plans (1" = 50' scale on 11"x17" sheets) and details to clearly describe the work to be constructed. Construction plans will include civil notes, details and typical sections, and street improvement plans for streets listed in Table 2.
- C. Prepare temporary traffic control plans for anticipated day work under single lane closures with flagging along Bonita Road. TCP plans will indicate typical setups for use by the Contractor to develop a site specific TCP. Assume two TCP (2) sheets. Additional temporary traffic control requirements will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.
- D. Incorporate recommended pavement rehabilitation treatments for each street.
- E. Establish appropriate project limits, and edge and longitudinal treatment details. Include additional pavement rehabilitation details to clearly define the work as necessary.
- F. Prepare and submit erosion control plans and permit application to Clean Water Services (CWS) for approval and inclusion in the Contract Documents. Consultant will pay for ESCP permit fees on behalf of the County.
- G. Prepare and submit right-of-way permit application to ODOT for approval and inclusion in the Contract Documents. No permit fees are anticipated with ODOT ROW permits.
- H. Prepare and submit right-of-way permit application to City of Tigard for approval and inclusion in the Contract Documents. Consultant will pay for any ROW permit fees on behalf of the County.
- I. Prepare and submit right-of-way permit application to City of Lake Oswego for approval and inclusion in the Contract Documents. Consultant will pay for ROW permit fees on behalf of the County.
- J. Prepare draft technical specifications in the 2024 ODOT/APWA format.
- K. Prepare 99% level cost estimate with 0% contingency and bid schedule. Contingency is covered under the bid item "Extra Work Done on Force Account Basis".

- L. Respond to County comments in a County-provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at design review meetings (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Consultant will respond to one unified set of comments from the County.
- B. No striping plans are required. Existing striping will be shown and noted for replacement (meeting current MUTCD and County standards) on the construction plan sheets.
- C. A Clean Water Services (CWS) Service Provider Letter and Erosion Control Permit are anticipated to be required for project work along Bonita Road. It assumed project work will not trigger CWS stormwater quality/quantity requirements. Therefore, stormwater management documentation and design for water quality or quantity are not included in this scope of work.
- D. Full depth reconstruction is not anticipated for this paving project. Pavement treatment includes grind/inlay with localized spot repairs.
- E. Curb ramp retrofit work at the intersection of Bonita Rd and Bangy Rd are to be addressed by the City of Lake Oswego under separate contract in 2026. Consultant to contact City of Lake Oswego and inform them of proposed County work.
- F. Existing mid-block end of walk locations, commercial/residential driveways, sidewalk between corners, bus stops, and pedestrian elements beyond the ROW throughout the project limits will not be addressed for ADA compliance with this project, as these elements are not triggered for ADA compliance by pavement maintenance projects as described in Sec R203.2.1 of PROWAG requirements.
- G. Signal vehicle detection work at the intersection of Bonita Rd and Bangy Rd is to be addressed by the City of Lake Oswego under separate contract in 2026. The City will convert vehicle detection from loops to radar, and no signal detection work by the County will be required. Consultant to contact City of Lake Oswego and inform them of proposed County work.

Task 7.3 – Final Design

The final design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

The following is the anticipated list of plan sheets for the Bonita Road Paving Project:

Running Total	Sheets	Sheet Number	30%	99% & Final	Description
1	1	G1	No	Yes	Cover Sheet, Location Map, Index of Sheets
2	1	G2	No	Yes	Legend and General Notes
6	4	EC1 to EC4	No	Yes	Erosion Control Cover Sheet, Plans, and Details
8	2	TC1 to TC2	No	Yes	Temporary Traffic Control Plans
9	1	C1	No	Yes	Typical Sections
11	2	C2 to C3	No	Yes	Paving Details
13	2	C4 to C5	No	Yes	Paving Plan and Notes

Task 7 Deliverables:

- A. Field Verification Checklist
- B. 30% paving basemap (PDF), and paving cost estimate (PDF and Excel) for use in the pavement investigation walkthrough
- C. Electronic versions of the 99% Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and CWS, ODOT, Tigard, and Lake Oswego permit applications
- D. Electronic versions of the Final signed Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and final CWS, ODOT, Tigard, and Lake Oswego permits
- E. Comment/response logs.

Task 8: Design for Bakers Ferry Road Paving Project

Task 8.1 – 30% Design

During this phase Consultant will focus on developing the project basemap for use under Task 8.2. The project basemap will be developed by tracing high resolution aerial mapping in AutoCAD format. Existing ROW will be shown based on approximate line work imported from County GIS files. Additionally, Consultant will prepare 30% design level engineer's estimate for the preliminary pavement design recommendations (see Task 4) for the street list described in Table 2.

Specific requirements under this task include:

- A. Complete a review of the County's existing mapping, as-builts, topographic surveys and GIS information.
- B. Obtain NearMap high-resolution aerial mapping, and trace face-of-curb or edge-of-pavement to create a paving basemap to inform the delineation of paving limits. Import approximate existing ROW linework from County GIS mapping. ROW retracement work for paving plans is not included with the scope of work.
- C. Prepare Field Verification Checklist for County review and comment.
 - a. No existing ADA compliance review work or new ADA ramp designs are anticipated.
 - b. No stormwater quality or quantity improvements are required.
- D. Conduct site visit to field verify basemapping and identify potential areas of concern utilizing the Field Verification Checklist.
- E. Prepare a 30% level cost estimate with 30% contingency, and bid schedule. Cost estimate bid items will be based on the 2024 ODOT/APWA Standard Specifications for Construction. Cost estimate will be included with the preliminary geotechnical data and recommendations under Task 4.
- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at the geotech field review meeting (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Submittal includes the aerial traced project basemap, and engineer's estimates for the preliminary geotechnical data and recommendations associated with Task 4. Plans and special provisions will be developed at the 99% design milestone. The design team will utilize the project basemap, the draft pavement design recommendations and the engineer's estimates to conduct the geotechnical field review described in Task 1 and Task 4.

- B. Full depth reconstruction is not anticipated for this paving project. Pavement treatments include overlay and/or grind/inlay with localized spot repairs..
- C. Consultant will respond to one unified set of comments from the County.

Task 8.2 – 99% Design

The 99% design submittal will be advanced from the 30% submittal (incorporating review comments as appropriate and submitting unsigned final PS&E documents). Additional tasks beyond those listed above include:

- A. Consultant will integrate the project basemap developed under Task 8.1 into project plan sheets.
- B. Prepare 99% construction plans (1" = 50' scale on 11"x17" sheets) and details to clearly describe the work to be constructed. Construction plans will include civil notes, details and typical sections, and street improvement plans for streets listed in Table 2.
- C. Prepare temporary traffic control plans for anticipated day work under single lane closures with flagging along Bakers Ferry Road. TCP plans will indicate typical setups for use by the Contractor to develop a site specific TCP. Assume two (2) TCP sheets. Prepare temporary traffic control detour plans (NTS) for "Local Access Only" for each stage of construction. Assume one (1) sheet for Stage 1-Springwater Rd to Harding Rd closure for paving work. Additional temporary traffic control requirements will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.
- D. Incorporate recommended pavement rehabilitation treatments for each street.
- E. Establish appropriate project limits, and edge and longitudinal treatment details. Include additional pavement rehabilitation details to clearly define the work as necessary.
- F. Existing roadside traffic delineators will be removed where present. Consultant shall coordinate with County Traffic Safety on need for new delineators and proposed delineator layout. Consultant shall request utility One-call locate paint at delineator locations to verify if standard installation or hand-dug installation is required during construction to avoid utility impacts.
- G. Existing roadside guardrail and guardrail terminals at Foster Creek (Br #20616) may require adjustment or replacement (depending on pavement treatment and existing guardrail height). Guardrail shall meet current ODOT Midwest Guardrail standards (31-inch height). Consultant shall review existing guardrail and guardrail terminals in the field and provide adjustment/replacement work on the construction plan sheets. Consultant shall request utility One-call locate paint at guardrail locations to verify if standard installation or hand-dug installation is required during construction to avoid utility impacts. It is assumed that the existing concrete shoulder barrier and fence at Foster Creek meets standards and no replacement work is required. Consultant shall verify if existing thrie beam terminal connector hole spacing matches standard hole layout to confirm replacement, if warranted.
- H. Prepare draft technical specifications in the 2024 ODOT/APWA format.
- I. Prepare 99% level cost estimate with 0% contingency and bid schedule. Contingency is covered under the bid item "Extra Work Done on Force Account Basis".
- J. Respond to County comments in a County-provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at design review meetings (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Consultant will respond to one unified set of comments from the County.

- B. No bridge work or bridge rail work is anticipated. Guardrail terminals may be replaced with current County standard terminals, and existing guardrail adjusted to 31-in height where necessary.
- C. No striping plans are required. Existing striping will be shown and noted for replacement (meeting current MUTCD and County standards) on the construction plan sheets.
- D. Erosion control plan will be provided by the County's Construction Contractor and the project is covered under the County's 1200-CA permit. Erosion control requirements will be described in the plan sheet General Notes and referenced ODOT Standard Drawings.
- E. Full depth reconstruction is not anticipated for this paving project. Pavement treatments include overlay and/or grind/inlay with localized spot repairs.

Task 8.3 – Final Design

The final design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

The following is the anticipated list of plan sheets for the Bakers Ferry Road Paving Project:

Running Total	Sheets	Sheet Number	30%	99% & Final	Description
1	1	G1	No	Yes	Cover Sheet, Location Map, Index of Sheets
2	1	G2	No	Yes	Legend and General Notes
5	3	TC1 to TC3	No	Yes	Temporary Traffic Control and Detour Plans
7	2	C1 to C2	No	Yes	Typical Sections
11	4	C3 to C6	No	Yes	Paving Details
23	12	C7 to C18	No	Yes	Paving Plan and Notes

Task 8 Deliverables:

- A. Field Verification Checklist
- B. 30% paving basemap (PDF), and paving cost estimate (PDF and Excel) for use in the pavement investigation walkthrough
- C. Electronic versions of the 99% Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel)
- D. Electronic versions of the Final signed Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel).
- E. Comment/response logs.

Task 9: Design for Beavercreek Woods Paving Project

Task 9.1 – 30% Design

During this phase Consultant will focus on developing the project basemap for use under Task 9.2. The project basemap will be developed by tracing high resolution aerial mapping in AutoCAD format. Existing ROW will be shown based on approximate line work imported from County GIS files. Additionally,

Consultant will prepare 30% design level engineer's estimates for the preliminary pavement design recommendations (see Task 4) for the street list described in Table 2.

Specific requirements under this task include:

- A. Complete a review of the County's existing mapping, as-builts, topographic surveys and GIS information.
- B. Obtain NearMap high-resolution aerial mapping, and trace face-of-curb or edge-of-pavement to create a paving basemap to inform the delineation of paving limits. Import approximate existing ROW linework from County GIS mapping. ROW retracement work for paving plans is not included with the scope of work.
- C. Prepare Field Verification Checklist for County review and comment.
 - a. No existing ADA compliance review work or new ADA ramp designs are anticipated.
 - b. No stormwater quality or quantity improvements are required.
- D. Conduct site visit to field verify basemapping and identify potential areas of concern utilizing the Field Verification Checklist.
- E. Prepare a 30% level cost estimate with 30% contingency, and bid schedule. Cost estimate bid items will be based on the 2024 ODOT/APWA Standard Specifications for Construction. Cost estimate will be included with the preliminary geotechnical data and recommendations under Task 4.
- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at the geotech field review meeting (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Submittal includes the aerial traced project basemap, and engineer's estimates for the preliminary geotechnical data and recommendations associated with Task 4. Plans and special provisions will be developed at the 99% design milestone. The design team will utilize the project basemap, the draft pavement design recommendations and the engineer's estimates to conduct the geotechnical field review described in Task 1 and Task 4.
- B. Full depth reconstruction and/or cement treated base is not anticipated for this paving project. Pavement treatments include overlay, and/or grind/inlay, and/or asphalt removal and replacement with localized spot repairs.
- C. Consultant will respond to one unified set of comments from the County.

Task 9.2 – 99% Design

The 99% design submittal will be advanced from the 30% submittal (incorporating review comments as appropriate and submitting unsigned final PS&E documents). Additional tasks beyond those listed above include:

- A. Consultant will integrate the project basemap developed under Task 9.1 into project plan sheets.
- B. Prepare 99% construction plans (1" = 50' scale on 11"x17" sheets) and details to clearly describe the work to be constructed. Construction plans will include civil notes, details and typical sections, and street improvement plans for streets listed in Table 1.
- C. Prepare temporary traffic control plans for anticipated day work under single lane closures with flagging. TCP plans will indicate typical setups for use by the Contractor to develop a site specific TCP. Assume one TCP (1) sheet. Prepare temporary road closure plans (no detour plan required) for "Local Access Only" for each stage of construction. Assume three (3) sheets for three (3)

stages of road closures for paving work. Additional temporary traffic control requirements will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.

- D. Incorporate recommended pavement rehabilitation treatments for each street.
- E. Establish appropriate project limits, and edge and longitudinal treatment details. Include additional pavement rehabilitation details to clearly define the work as necessary.
- F. Prepare draft technical specifications in the 2024 ODOT/APWA format.
- G. Prepare 99% level cost estimate with 0% contingency and bid schedule. Contingency is covered under the bid item “Extra Work Done on Force Account Basis”.
- H. Respond to County comments in a County-provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at design review meetings (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Consultant will respond to one unified set of comments from the County.
- B. No striping plans are required. Pavement markings (stop bars) will be shown and noted for replacement (meeting current MUTCD and County standards) on the construction plan sheets.
- C. Erosion control plan will be provided by the County’s Construction Contractor and the project is covered under the County’s 1200-CA permit. Erosion control requirements will be described in the plan sheet General Notes and referenced ODOT Standard Drawings.
- D. Full depth reconstruction and/or cement treated base is not anticipated for this paving project. Treatments include overlay, and/or grind/inlay, and/or asphalt removal and replacement with localized spot repairs.

Task 9.3 – Final Design

The final design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

The following is the anticipated list of plan sheets for the Beaver Creek Woods Paving Project:

Running Total	Sheets	Sheet Number	30%	99% & Final	Description
1	1	G1	No	Yes	Cover Sheet, Location Map, Index of Sheets
2	1	G2	No	Yes	Legend and General Notes
5	4	TC1 to TC4	No	Yes	Temporary Traffic Control and Road Closure Plans
8	2	C1 to C2	No	Yes	Typical Sections
12	4	C3 to C6	No	Yes	Paving Details
22	10	C7 to C17	No	Yes	Paving Plan and Notes

Task 9 Deliverables:

- A. Field Verification Checklist

- B. 30% paving basemap (PDF), and paving cost estimate (PDF and Excel) for use in the pavement investigation walkthrough
- C. Electronic versions of the 99% Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel)
- D. Electronic versions of the Final signed Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel).
- E. Comment/response logs.

Task 10: Design for Clayson Area Paving Project

Task 10.1 – 30% Design

During this phase Consultant will focus on developing the project basemap for use under Task 10.2. The project basemap will be developed by tracing high resolution aerial mapping in AutoCAD format. Existing ROW will be shown based on approximate line work imported from County GIS files. Additionally, Consultant will prepare 30% design level engineer's estimates for the preliminary pavement design recommendations (see Task 4) for the street list described in Table 2.

Specific requirements under this task include:

- A. Complete a review of the County's existing mapping, as-builts, topographic surveys and GIS information.
- B. Obtain NearMap high-resolution aerial mapping, and trace face-of-curb or edge-of-pavement to create a paving basemap to inform the delineation of paving limits. Import approximate existing ROW linework from County GIS mapping. ROW retracement work for paving plans is not included with the scope of work.
- C. Prepare Field Verification Checklist for County review and comment.
 - a. No existing ADA compliance review work or new ADA ramp designs are anticipated.
 - b. No stormwater quality or quantity improvements are required.
- D. Conduct site visit to field verify basemapping and identify potential areas of concern utilizing the Field Verification Checklist.
- E. Prepare a 30% level cost estimate with 30% contingency, and bid schedule. Cost estimate bid items will be based on the 2024 ODOT/APWA Standard Specifications for Construction. Cost estimate will be included with the preliminary geotechnical data and recommendations under Task 4.
- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at the geotech field review meeting (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Submittal includes the aerial traced project basemap, and engineer's estimates for the preliminary geotechnical data and recommendations associated with Task 4. Plans and special provisions will be developed at the 99% design milestone. The design team will utilize the project basemap, the draft pavement design recommendations and the engineer's estimates to conduct the geotechnical field review described in Task 1 and Task 4.
- B. Full depth reconstruction and/or cement treated base is not anticipated for this paving project. Treatment includes overlay, grind/inlay, and/or asphalt remove and replacement with localized spot repairs.

- C. Existing newly constructed curb ramps on SE Jennings Road at SE Colina Vista Ave and at SE Emerald Dr are reported by the County to be ADA compliant. No ADA ramp work is anticipated at these intersections.
- D. Consultant will respond to one unified set of comments from the County.

Task 10.2 – 99% Design

The 99% design submittal will be advanced from the 30% submittal (incorporating review comments as appropriate and submitting unsigned final PS&E documents). Consultant will also provide erosion control plans and details for inclusion in the Contract Documents, and for use in obtaining the Oak Lodge Water Services Erosion Control Permit. Stormwater management coordination, design, and permitting are excluded from this Scope of Work. Additional tasks beyond those listed above include:

- A. Consultant will integrate the project basemap developed under Task 10.1 into project plan sheets.
- B. Prepare 99% construction plans (1" = 50' scale on 11"x17" sheets) and details to clearly describe the work to be constructed. Construction plans will include civil notes, details and typical sections, and street improvement plans for streets listed in Table 1.
- C. Prepare temporary traffic control plans for anticipated day work under single lane closures with flagging. TCP plans will indicate typical setups for use by the Contractor to develop a site specific TCP. Assume one TCP (1) sheet. Prepare temporary road closure plans (no detour plan required) for "Local Access Only" for each stage of construction. Assume four (4) sheets for four (4) stages of road closures for paving work. Additional temporary traffic control requirements will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.
- D. Incorporate recommended pavement rehabilitation treatments for each street.
- E. Establish appropriate project limits, and edge and longitudinal treatment details. Include additional pavement rehabilitation details to clearly define the work as necessary.
- F. Prepare and submit erosion control plans and permit application to Oak Lodge Water Services (OLWS) for approval and inclusion in the Contract Documents. Consultant will pay for ESCP permit fees on behalf of the County.
- G. Prepare draft technical specifications in the 2024 ODOT/APWA format.
- H. Prepare 99% level cost estimate with 0% contingency and bid schedule. Contingency is covered under the bid item "Extra Work Done on Force Account Basis".
- I. Respond to County comments in a County-provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at design review meetings (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Consultant will respond to one unified set of comments from the County.
- B. No striping plans are required. Pavement markings (stop bars) will be shown and noted for replacement (meeting current MUTCD and County standards) on the construction plan sheets.
- C. An Oak Lodge Water Services (OLWS) erosion control permit will be required for project work in the Clayson Area. Per prior discussions between the County and OLWS, the project work will not trigger revised OLWS stormwater quality/quantity requirements. Therefore, stormwater management documentation and design for water quality or quantity will not be required and are not included in this scope of work.
 - a. Prepare and submit erosion control plans and permit application to OLWS for approval and inclusion in the Contract Documents.

- D. Full depth reconstruction and/or cement treated base is not anticipated for this paving project. Treatments include overlay, grind/inlay, and asphalt removal and replacement with localized spot repairs.

Task 10.3 – Final Design

The final design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

The following is the anticipated list of plan sheets for the Clayson Area Paving Project:

Running Total	Sheets	Sheet Number	30%	99% & Final	Description
1	1	G1	No	Yes	Cover Sheet, Location Map, Index of Sheets
2	1	G2	No	Yes	Legend and General Notes
18	16	EC1 to EC16	No	Yes	Erosion Control Cover Sheet, Plans, and Details
23	5	TC1 to TC5	No	Yes	Temporary Traffic Control and Road Closure Plans
25	2	C1 to C2	No	Yes	Typical Sections
29	4	C3 to C6	No	Yes	Paving Details
43	14	C7 to C20	No	Yes	Paving Plan and Notes

Task 10 Deliverables:

- F. Field Verification Checklist
- G. 30% paving basemap (PDF), and paving cost estimate (PDF and Excel) for use in the pavement investigation walkthrough
- F. Electronic versions of the 99% Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and OLWS permit applications
- G. Electronic versions of the Final signed Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and final OLWS permit
- H. Comment/response logs.

Task 11: Design for Marquam Paving Project

Task 11.1 – 30% Design

During this phase Consultant will focus on developing the project basemap for use under Task 11.2. The project basemap will be developed by tracing high resolution aerial mapping in AutoCAD format. Existing ROW will be shown based on approximate line work imported from County GIS files. Additionally, Consultant will prepare 30% design level engineer's estimate for the preliminary pavement design recommendations (see Task 4) for the street list described in Table 2.

Specific requirements under this task include:

- A. Complete a review of the County's existing mapping, as-builts, topographic surveys and GIS information.
- B. Obtain NearMap high-resolution aerial mapping, and trace face-of-curb or edge-of-pavement to create a paving basemap to inform the delineation of paving limits. Import approximate existing ROW linework from County GIS mapping. ROW retracement work for paving plans is not included with the scope of work.
- C. Prepare Field Verification Checklist for County review and comment.
 - a. No existing ADA compliance review work or new ADA ramp designs are anticipated.
 - b. No stormwater quality or quantity improvements are required.
- D. Conduct site visit to field verify basemapping and identify potential areas of concern utilizing the Field Verification Checklist.
- E. Prepare a 30% level cost estimate with 30% contingency, and bid schedule. Cost estimate bid items will be based on the 2024 ODOT/APWA Standard Specifications for Construction. Cost estimate will be included with the preliminary geotechnical data and recommendations under Task 4.
- F. Respond to County comments in a County provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at the geotech field review meeting (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Submittal includes the aerial traced project basemap, and engineer's estimates for the preliminary geotechnical data and recommendations associated with Task 4. Plans and special provisions will be developed at the 99% design milestone. The design team will utilize the project basemap, the draft pavement design recommendations and the engineer's estimates to conduct the geotechnical field review described in Task 1 and Task 4.
- B. Pavement treatments may include overlay with ACP spot repairs and fibers, asphalt pavement remove and replace with localized spot repairs, or full depth reclamation (FDR) without cement treatment.
- C. Consultant will respond to one unified set of comments from the County.

Task 11.2 – 99% Design

The 99% design submittal will be advanced from the 60% submittal (incorporating review comments as appropriate and submitting unsigned final PS&E documents). Additional tasks beyond those listed above include:

- A. Consultant will integrate the project basemap developed under Task 11.1 into project plan sheets.
- B. Prepare temporary traffic control plans for anticipated day work under single lane closures with flagging. TCP plans will indicate typical setups for use by the Contractor to develop a site specific TCP. Assume one (1) TCP sheet. Prepare temporary traffic control detour plans (NTS) for "Local Access Only" for each stage of construction. Assume four (4) sheets for staged closures for paving work. Additional temporary traffic control requirements will be addressed in the project specifications and referenced 2024 ODOT Standard Drawings.
- C. Incorporate recommended pavement rehabilitation treatments for each street.
- D. Establish appropriate project limits, and edge and longitudinal treatment details. Include additional pavement rehabilitation details to clearly define the work as necessary.
- E. Prepare and submit right-of-way permit application to ODOT for approval and inclusion in the Contract Documents. No permit fees are anticipated with ODOT ROW permits.

- F. Prepare and submit right-of-way permit application to Marion County for approval and inclusion in the Contract Documents. Consultant will pay for any ROW permit fees on behalf of the County.
- G. Prepare draft technical specifications in the 2024 ODOT/APWA format.
- H. Prepare 99% level cost estimate with 0% contingency and bid schedule. Contingency is covered under the bid item “Extra Work Done on Force Account Basis”.
- I. Respond to County comments in a County-provided Comment/Response Log. Consultant will update the log based on discussions/decisions/clarifications at design review meetings (see Task 1) and resubmit at the following milestone.

Assumptions:

- A. Consultant will respond to one unified set of comments from the County.
- B. No bridge work or new guardrail installation work is anticipated.
- C. No striping plans are required. New pavement markings (stop bars) will be shown and noted for replacement (meeting current MUTCD and County standards) on the construction plan sheets.
- D. Erosion control plan will be provided by the County’s Construction Contractor and the project is covered under the County’s 1200-CA permit. Erosion control requirements will be described in the plan sheet General Notes and referenced ODOT Standard Drawings.
- E. Pavement treatments may include overlay with ACP spot repairs and fibers, asphalt pavement remove and replace with localized spot repairs, or full depth reclamation (FDR) without cement treatment.

Task 11.3 – Final Design

The final design submittal will be advanced from the 99% Design submittal (incorporating review comments as appropriate and seal/signing the Contract Documents).

The following is the anticipated list of plan sheets for the Marquam Paving Project:

Running Total	Sheets	Sheet Number	60%	99% & Final	Description
1	1	G1	No	Yes	Cover Sheet, Location Map, Index of Sheets
2	1	G2	No	Yes	Legend and General Notes
7	5	TC1 to TC5	No	Yes	Temporary Traffic Control and Detour Plans
9	2	C1 to C2	No	Yes	Typical Sections
13	4	C3 to C6	No	Yes	Paving Details
19	6	C7 to C12	No	Yes	Paving Plan and Notes

Task 11 Deliverables:

- A. Field Verification Checklist
- B. 30% paving basemap (PDF), and paving cost estimate (PDF and Excel) for use in the pavement investigation walkthrough

- C. Electronic versions of the 99% Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and ODOT and Marion County permit applications
- D. Electronic versions of the Final signed Special Provisions, Plans, and Cost Estimate (PDF, Word, and Excel) and final ODOT and Marion County permits
- E. Comment/response logs.

Task 12: Right of Entry Requests (RESERVED)

Task 13: Stakeholder Outreach (RESERVED)

Task 14: Bid Phase Services

The County will publish, advertise and be the primary point of contact for bidder inquiries. The Consultant will provide bidding assistance, including responding to questions from potential construction contractors and suppliers to the County about the Plans and Specifications during the bidding process, and completion of minor addenda, if necessary, to clarify the documents.

Consultant will prepare up to one (1) addendum per paving package and assist the County in responding to bidder inquiries during the bid period.

Assumptions:

- A. A pre-bid meeting will not be conducted.

Task 14.1: Bid Phase Services for River Road Paving Project

The Consultant will perform all work as described above

Task 14.2: Bid Phase Services for Bonita Road Paving Project

The Consultant will perform all work as described above

Task 14.3: Bid Phase Services for Bakers Ferry Road Paving Project

The Consultant will perform all work as described above

Task 14.3: Bid Phase Services for Beaver Creek Woods Paving Project

The Consultant will perform all work as described above.

Task 14.5: Bid Phase Services for Clayson Area Paving Project

The Consultant will perform all work as described above.

Task 14.6: Bid Phase Services for Marquam Paving Project

The Consultant will perform all work as described above.

Task 14 Deliverables:

- A. Up to six (6) addenda (1 per paving project) in electronic format.
- B. Up to twelve (12) written responses to questions (2 per paving project).

Budget

Conzor proposes to perform this work on a time and expenses basis with a total not to exceed amount of \$826,362 in accordance with the attached Exhibit A. Payment will be made at the Billing rates for personnel working directly on the project, which will be made at the Consultant's Hourly Rates, plus Direct Expenses incurred. Billing rates and direct expenses are as shown in the Schedule of Charges in accordance with the attached Exhibit B. Subconsultants, when required by the Consultant, will be charged at actual costs.

Work Schedule

Below is the anticipated schedule for this scope of work assuming NTP from the County November 2025:

All Paving Projects				
	Design	Advertise and Bid Opening	ROW	Post-Construction Monument Survey
Anticipated Start Date	November 13 th , 2025	April 2026	January 2026	September 2026
Anticipated End Date	February 13 th , 2026	April 2026	June 2026	October 2026

Term of Contract:

The term of the contract shall be from the effective date through December 31, 2026.

EXHIBIT A

[A. V. Wierzbicki, "Opportunity! Oklahoma County Public Housing - 2016 Oklahoma City Public Design Showcase and Panel," Feb 2016, \[on Youtube\], 11-27-2015.](#)

DESIGN SERVICES FOR 2025 TRANSPORTATION MAINTENANCE PAVING PROJECTS
CLACKAMAS COUNTY
PROPOSED PEE ESTIMATE

EXHIBIT A

	LABOR CLASSIFICATION (HOURS)															Subcontractors			Multiplier % Markup	Subcontract Total with Markup	Expenses	Total					
	Principal Engineer III	Professional Engineer VIII	Professional Engineer VII	Engineering Designer IV	Engineering Designer I	Engineering Designer III	Professional Engineer IV	Engineering Designer IV	Engineering Designer I	Engineering Designer IV	Technician III	Professional Engineer IV	Professional Engineer VI	Administrative III	Construction Manager VI	Hours	Labor	Subcontractors									
																		GRI					APCC				
Task 1 - Design for Single Road Paving Project	2						20				24		8	15,038			78	5	15,038		14,0	5	14,0	5	14,0	5	14,0
Task 2 - Design for Double Road Paving Project	2						28				11		8	27,256			34	5	27,256		180	5	180	5	180	5	180
Task 3 - Final Design	4	0	0	0	0	0	40	36	40	36	48	0	30	30,600	-	-	200	5	30,600	-	-	5	1,400	5	1,400	5	1,400
Task 4 - Design for Shoulder Road Paving Project	2						10				28			13,036			38	5	13,036			5	160	5	160	5	160
Task 5 - Design for Shoulder Road Paving Project	2						35				17		8	40,009			167	5	40,009			5	5	5	5	5	5
Task 6 - Final Design	4	0	0	0	0	0	48	200	200	24	48	0	30	44,720	-	-	400	5	44,720	-	-	5	320	5	320	5	320
Task 7 - Design for Intersecting Road Paving Project	2						10				24			11,036			38	5	11,036			5	160	5	160	5	160
Task 8 - Design for Intersecting Road Paving Project	2						28				11		8	26,029			167	5	26,029			5	5	5	5	5	5
Task 9 - Final Design	4	0	0	0	0	0	48	200	200	24	48	0	30	44,720	-	-	400	5	44,720	-	-	5	320	5	320	5	320
Task 10 - Design for Division Area Paving Project	2						24				14			14,380			34	5	14,380			5	160	5	160	5	160
Task 11 - Design for Division Area Paving Project	2						28				14		8	27,506			164	5	27,506			5	160	5	160	5	160
Task 12 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 13 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 14 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 15 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 16 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 17 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 18 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 19 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 20 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 21 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 22 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 23 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 24 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 25 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 26 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 27 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 28 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 29 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 30 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 31 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 32 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 33 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 34 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 35 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 36 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 37 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 38 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 39 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 40 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 41 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 42 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 43 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 44 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 45 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 46 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 47 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 48 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 49 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 50 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 51 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 52 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 53 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 54 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 55 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 56 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 57 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 58 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 59 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 60 - Final Design	4	0	40	74	74	74	50	50	50	50	48	0	30	62,400	-	-	300	5	62,400	-	-	5	320	5	320	5	320
Task 61 - Design for Minimum Paving Project	2						10				14			6,544			38	5	6,544			5	160	5	160	5	160
Task 62 - Design for Minimum Paving Project	2						24				14			13,936			164	5	13,936			5	160	5	160	5	160
Task 63 - Final Design	4	0	40	74																							

2025 - 2026 SCHEDULE OF CHARGES

Personnel:

Labor will be invoiced by staff classification at the following hourly rates, which are valid from January 1, 2025 through December 31, 2026. After this period, the rates are subject to adjustment.

<u>Billing Classifications</u>	<u>Rates</u>	<u>Billing Classifications</u>	<u>Rates</u>
Principal Engineer VI	\$371	Construction Manager X	\$321
Principal Engineer V	\$346	Construction Manager IX	\$299
Principal Engineer IV	\$328	Construction Manager VIII	\$283
Principal Engineer III	\$308	Construction Manager VII	\$274
Principal Engineer II	\$291	Construction Manager VI	\$254
Principal Engineer I	\$278	Construction Manager V	\$234
Professional Engineer IX	\$272	Construction Manager IV	\$221
Engineering Designer IX	\$265	Construction Manager III	\$202
Professional Engineer VIII	\$258	Construction Manager II	\$187
Engineering Designer VIII	\$250	Construction Manager I	\$166
Professional Engineer VII	\$244	Construction Coordinator V	\$215
Engineering Designer VII	\$240	Construction Coordinator IV	\$195
Professional Engineer VI	\$233	Construction Coordinator III	\$181
Engineering Designer VI	\$228	Construction Coordinator II	\$162
Professional Engineer V	\$223	Construction Coordinator I	\$145
Engineering Designer V	\$214	Construction Admin Specialist IV	\$199
Professional Engineer IV	\$211	Construction Admin Specialist III	\$178
Engineering Designer IV	\$211	Construction Admin Specialist II	\$155
Professional Engineer III	\$204	Construction Admin Specialist I	\$131
Engineering Designer III	\$204	Inspector VII	\$234
Engineering Designer II	\$189	Inspector VI	\$215
Engineering Designer I	\$174	Inspector V	\$195
Principal III	\$375	Inspector IV	\$181
Principal II	\$328	Inspector III	\$162
Principal I	\$289	Inspector II	\$145
Project Manager IV	\$280	Inspector I	\$125
Project Manager III	\$267	Technician IV	\$212
Project Manager II	\$238	Technician III	\$192
Project Manager I	\$208	Technician II	\$168
Cost Estimator III	\$313	Technician I	\$145
Cost Estimator II	\$250	Project Coordinator IV	\$188
Cost Estimator I	\$188	Project Coordinator III	\$174
Quality Control Compliance Specialist	\$195	Project Coordinator II	\$156
		Project Coordinator I	\$137
		Administrative III	\$137
		Administrative II	\$127
		Administrative I	\$112

Project Expenses:

Expenses incurred that are directly attributable to the project will be invoiced at actual cost. These expenses include the following:

Mileage	Current IRS Rate
Postage and Delivery Services	At Cost
Printing and Reproduction	At Cost
Travel, Lodging, and Subsistence	At Cost

Outside Services:

Outside technical, professional, and other services will be invoiced at cost.