



September 4, 2025

BCC Agenda Date/Item: \_\_\_\_\_

Board of County Commissioners  
Acting as the governing body of Water Environment Services  
Clackamas County

**Approval of a Personal Services Contract with RS&H for on-call engineering services.  
Contract Value is \$1,000,000 for 5 years. Funding is through Water Environment Services  
Construction Fund and Operating Fund. No County General Funds are involved.**

|                                     |                                                                                                                                                                                                                                                                                                                                                                     |                           |              |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------|
| <b>Previous Board Action/Review</b> | N/A                                                                                                                                                                                                                                                                                                                                                                 |                           |              |
| <b>Performance Clackamas</b>        | 1. This project supports the WES Strategic Plan Goal to strategically plan and execute capital projects to meet the growth, reliability, and regulatory needs of our service area at the lowest-life cycle cost.<br>2. This project supports the County's Strategic Priorities of Strong Infrastructure, Vibrant Economy, and Safe, Secure and Livable Communities. |                           |              |
| <b>Counsel Review</b>               | Yes                                                                                                                                                                                                                                                                                                                                                                 | <b>Procurement Review</b> | Yes          |
| <b>Contact Person</b>               | Jeff Stallard                                                                                                                                                                                                                                                                                                                                                       | <b>Contact Phone</b>      | 503-742-4694 |

**EXECUTIVE SUMMARY:** WES frequently encounters unanticipated projects and urgent engineering needs that arise outside of the annual planning and capital improvement process. These can include emergency repair design, regulatory compliance support, specialty technical analysis, and smaller capital or operational projects.

Under the current procurement process, engaging engineering services for these smaller or urgent projects often requires repetitive contracting efforts, which can be time-consuming and delay project delivery. Establishing on-call contracts will allow WES to streamline procurement, improve efficiency, and ensure timely response to our needs.

We conducted a competitive solicitation process to identify qualified engineering firms capable of providing services in four categories, Wastewater Conveyance and Treatment Engineering, Water Resources Engineering, Engineering Construction Services, and Wastewater Process Engineering and Operational Support. Work in these categories will include a wide range of services, including planning, design, permitting, and construction support. Multiple firms were selected to ensure adequate availability,

For Filing Use Only

specialized expertise, and competitive pricing.

The on-call contracts do not obligate funding at the time of award. Task orders issued under these contracts will be funded through approved operating or capital project budgets.

**RECOMMENDATION:** Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve Contract #1287 with RS&H, Inc. for engineering on-call services.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Greg Geist", with a long horizontal flourish extending to the right.

Greg Geist  
Director, WES

Attachment: Contract #1287 RS&H, Inc.



**WATER ENVIRONMENT SERVICES  
PERSONAL SERVICES CONTRACT  
Contract # 0000001287**

This Personal Services Contract (this "Contract") is entered into between RS&H, Inc. ("Contractor"), and Water Environment Services, an intergovernmental entity formed pursuant to ORS Chapter 190 ("District").

**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 **June 30, 2030**.
- 2. Scope of Work.** Contractor shall provide On-Call Engineering Services ("Work"), further described in **Exhibit A**. The Contractor is approved to provide services for the following classes of Work:

- ☐ 1) Wastewater Conveyance and Treatment Engineering
- ☒ 2) Water Resources Engineering
- ☐ 3) Engineering Construction Services
- ☐ 4) Wastewater Process Engineering and Operational Support

This Contract is on an "on-call" or "as-needed basis" for Work.

When the District wishes Contractor to perform the Work, the District will submit an official Clackamas District Task Order form (found at: <https://www.clackamas.us/finance/terms.html>) detailing the scope of Work, the entity on whose behalf the Work will be performed, and the total compensation, pursuant to the fee schedule set forth in this Contract. Contractor may not perform Work until the County Task Order form has been executed by the parties. In the event a project authorized under the County Task Order extends beyond the expiration of this Contract, the County Task Order shall remain in effect under the terms of this Contract until the completion or expiration of the authorized task.

No task order shall modify or amend the terms and conditions of this Contract.

- 3. Consideration.** The District agrees to pay Contractor, from available and authorized funds, a sum not to exceed **one million dollars (\$1,000,000.00)** for accomplishing the Work required by this Contract. Because this is an on-call or as-needed contract, and the exact amount of Work needed, if any, is unknown, nothing herein shall be construed as a promise to pay Contractor the full \$1,000,000.00 authorized herein. Consideration rates are on a time and materials 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 District's review and approval of invoices submitted by Contractor. Contractor shall not submit invoices for, and the District 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: [Wes-Payables@clackamas.us](mailto:Wes-Payables@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 Clackamas 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, Exhibit A, and Exhibit B. Unless explicitly agreed to by the parties in this Contract, any additional terms and conditions that may be contained in Exhibit A are void.

**7. Contractor and District Contacts.**

| Contractor                                                                                                                                           | District                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Administrator: George Tsiouvaras, PE<br>Phone: 720-586-6610<br>Email: <a href="mailto:george.tsiouvaras@rsandh.com">george.tsiouvaras@rsandh.com</a> | Administrator: TDB<br>Phone:<br>Email: |

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. District 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 District 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 District 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 District 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 District and Clackamas County, and their 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 reasonable defense costs (including reasonable attorney fees) of District and Clackamas County 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 District or Clackamas County ("County"), purport to act as legal representative of District or County, or settle any claim on behalf of District or County, without the approval of the Clackamas County Counsel's Office. District or County may assume their own defense and settlement at their election and expense.
8. **Independent Contractor Status.** The service(s) to be rendered under this Contract are those of an independent contractor. Although the District 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, District 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 District 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 District 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 requirements outlined below do not in any limit the amount of scope of liability of Contractor under this Contract. Contractor shall provide proof of said insurance and name the District

and Clackamas County as an additional insureds 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 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 claim, 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 occurrence, 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 District. Any insurance or self-insurance maintained by the District shall be excess and shall not contribute to it. Any obligation that District 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 Contract 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 District, 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 District'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 results from this Contract (the "Work Product") is the exclusive property of District. District and Contractor intend that such Work Product be deemed "work made for hire" of which District shall be deemed the author. If for any reason the Work Product is not deemed "work made for hire," Contractor hereby irrevocably assigns to District 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 District may reasonably request in order to fully vest such rights in District. 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, District shall have no rights in any pre-existing Contractor intellectual property provided to District by Contractor in the performance of this Contract except to copy, use and re-use any such Contractor intellectual property for District use only.

- 13. Representations and Warranties.** Contractor represents and warrants to District 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 District 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 District.
- 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 and 32, and all other rights and obligations which by their context are intended to survive. However, such expiration shall not extinguish or prejudice the District'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 District, which shall be granted or denied in the District's sole discretion. In addition to any provisions the District 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. District'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 District 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. Termination.** This Contract may be terminated for the following reasons: (A) by mutual agreement of the parties or by the District (i) for convenience upon thirty (30) days written notice to Contractor, or (ii) at any time the District fails to receive funding, appropriations, or other expenditure authority as solely determined by the District; or (B) if Contractor breaches any Contract provision or is declared insolvent, District may terminate after thirty (30) days written notice with an opportunity to cure.

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

- 20. Remedies.** If terminated by the District due to a breach by the Contractor, then the District 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 District, less any setoff to which the District is entitled.
- 21. No Third Party Beneficiaries.** District 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 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 District nor Contractor shall be held responsible for delay or default caused by events outside the District 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 District to enforce any provision of this Contract shall not constitute a waiver by District 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 District 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 District 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 District is entering into this Contract is because of the special qualifications of certain Key Persons set forth in the contract. Under this Contract, the District 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 District 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 District with such Key Person's services unless the District provides prior written consent to such reassignment or transfer.

**31. Reserved.**

**32. 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.

RS&H, Inc.

Water Environment Services



6/4/2025

Authorized Signature

Date

Signature

Date

George N. Tsouvaras, Senior Vice President  
Name / Title (Printed)

Name: \_\_\_\_\_

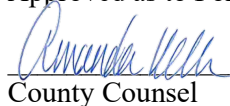
Title: \_\_\_\_\_

1672339-99  
Oregon Business Registry #

Approved as to Form:

ACT/  
Florida  
Type / State of Formation

Entity

  
County Counsel

7/7/2025

Date

**EXHIBIT A**  
**RFP 2025-01**  
**Water Environment Services Engineering Master Contract**  
**On-Call Engineering Services**  
**Published January 27, 2025**

**EXHIBIT B**  
**CONTRACTOR'S PROPOSAL**



5285 SW Meadows Rd.  
Suite 175  
Lake Oswego, OR 97035  
O 503-960-4993  
[rsandh.com](http://rsandh.com)

**RE: Water  
Environment Services  
Engineering Master  
Contract On-Call  
Engineering Services**

**RFP #2025-01**

February 20, 2025

**Attention:**

Ryan Rice  
Clackamas County, OR  
Water Environment  
Services  
150 Beaver Creek Rd.  
Oregon City, OR 97045

**Submitted via Bid  
Locker**

Dear Mr. Rice and the Selection Committee:

RS&H, Inc. (RS&H) is committed to providing exceptional Water Resources Engineering services (Category 2) to Clackamas County Water Environment Services (WES). As the Project Manager (PM), Nate Robinson, PE will lead our experienced team, ensuring effective project delivery and client satisfaction. We are excited about the opportunity to partner with WES and our team brings extensive experience and understanding in the following key areas:

- **Local Expertise and Familiarity with WES:** Our local RS&H staff has extensive experience in Oregon and the Pacific Northwest including projects with Clackamas County WES and the Department of Transportation and Development (DTD). Nate Robinson, PE helped WES develop the 2022 Storm System Master Plan and is well acquainted by the challenges faced within the WES service area. Our team understands the local with requirements including the WES Stormwater Standards, which helps us deliver efficient and innovative solutions.
- **Quality Engineering Services:** With capabilities including stormwater management design, water quality treatment, flow control, stormwater retrofits, hydraulic modeling, planning studies, culvert replacement, fish passage, infiltration design, scour analysis, floodplain permitting, stream restoration, and construction services, RS&H offers a one-stop solution. Our holistic approach ensures streamlined execution and consistency across projects.
- **Highly Qualified and Responsive Project Team:** Led by Nate Robinson, PE, our team comprises skilled professionals with a depth of expertise in water resources engineering. Our project personnel are equipped with the latest tools and technology including Autodesk Civil3D, OpenRoads, StormCAD, HEC-RAS, SRH2D, and SWMM. Our staff is local, highly responsive, and available to meet virtually or in person on short notice.
- **Commitment to Sustainability and Innovation:** RS&H prioritizes sustainable practices and implements cutting-edge strategies to promote the conservation of resources. We strive to meet the environmental goals of WES while enhancing the quality and reliability of water resources within your community.

We are confident that RS&H's experience, comprehensive service offerings, and commitment to sustainability position us as a valuable partner for WES. We look forward to the opportunity to contribute to the successful execution of your projects and to support the continuous improvement of your stormwater infrastructure and watersheds.

**George Tsiouvaras, PE** | Senior Vice President  
720-586-6610 | [george.tsiouvaras@rsandh.com](mailto:george.tsiouvaras@rsandh.com)

**Nate Robinson, PE** | Project Manager  
310-692-2088 | [Nate.Robinson@rsandh.com](mailto:Nate.Robinson@rsandh.com)



## Required Information

|                                                                                                                                   |                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| a. Indicate the complete legal name, address, and telephone numbers (voice and fax) of your company                               | RS&H, Inc.   5285 SW Meadows Rd., Suite 175, Lake Oswego, OR 97035   P: 503-960-4993   F: N/A |
| b. Provide the name and telephone number of the contact person for your SOQ.                                                      | Nate Robinson, PE   Project Manager   310-692-2088                                            |
| c. Provide the name and title of the person who is legally authorized to sign the Master Contract, if it is awarded to your firm. | George Tsiouvaras, PE   Senior Vice President   720-586-6610                                  |
| d. State that your SOQ will be valid for a period of ninety days.                                                                 | RS&H, Inc.'s SOQ will be valid for a period of 90 days.                                       |
| e. State the categories covered by the SOQ.                                                                                       | 2. Water Resources Engineering                                                                |

## Firm Resources

Founded in 1941, RS&H is an employee-owned national architecture, engineering, and consulting firm with local offices in Portland, Vancouver, and Seattle. RS&H has been performing design services within Oregon for 27 years. RS&H provides a full range of planning, design, environmental, GIS, program management, Construction Management (CM), and inspection services for public infrastructure including stormwater management systems, sustainable watershed management, flood control, water recovery, streams, and water crossings. Our local team is optimally sized to deliver services to WES, and we can leverage our national firm-wide resources when necessary. We identify the best solutions for developing sustainable infrastructure, protecting our water resources, and enhancing communities. RS&H offers a comprehensive suite of water resource services, leveraging specialized teams of engineers and environmental scientists to address each client's unique needs. We utilize cutting-edge technology in water resources management, including hydrologic modeling, 1D and 2D hydraulic modeling, 3D design modeling, GIS data management, and water-quality modeling, to reduce costs, improve system efficiency, and facilitate the permitting process.

## RS&H RESOURCES BY THE NUMBERS

|                                                                                  |                                                     |
|----------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>77+</b><br>Firm-wide Offices                                                  | <b>178</b><br>Employees in OR, WA, & Western Region |
| <b>3</b><br>Key Offices<br>- Lake Oswego, OR<br>- Vancouver, WA<br>- Seattle, WA | <b>37</b><br>Professional Engineers in OR           |
| <b>84</b><br>Years in Business                                                   | <b>1,700+</b><br>Employees                          |

## Including:

|                                                                                       |            |                             |
|---------------------------------------------------------------------------------------|------------|-----------------------------|
|    | <b>52</b>  | Water Resources Personnel   |
|   | <b>99</b>  | Structural/Bridge Personnel |
|  | <b>35</b>  | Traffic Personnel           |
|  | <b>105</b> | Roadway Personnel           |
|  | <b>400</b> | Construction Personnel      |

### *Previous Experience with Clackamas County WES*

**Client Contact:** Leah Johanson, PE | Senior Civil Engineer |

503-502-4514 | [LJohanson@clackamas.us](mailto:LJohanson@clackamas.us)

While at a prior firm, PM Nate Robinson, PE, has completed several recent projects **within the last five years** with WES and has developed a familiarity with the WES service area and an understanding of the types of challenges faced by the surface water system. This experience includes:



#### **Upper Kellogg Capital Improvements, Phase 1**

– As PM, Nate assisted WES with hydraulic analysis and concept design development to address nuisance flooding issues along Upper Kellogg Creek. Hydromodification

from development within the watershed, and undersized culvert and bridge crossings along upper Kellogg Creek are contributing to regular flooding that inundates streets and impacts homes. Nate led the development of a hydrologic and hydraulic model of the contributing watershed, the existing storm system, and the main channel of Upper Kellogg Creek. The model was developed using HEC-RAS and WHMM-SWMM. The model was used to replicate the nuisance flooding issues and to test solutions for reducing flooding frequency. Nate met with adjacent landowners and stakeholders to discuss the project objectives and solicit landowner participation for stream improvements on private properties. Nate developed conceptual designs and cost estimates for the project including culvert replacements, floodplain grading, stream restoration, new conveyance infrastructure, and stormwater management facilities. The recommended conceptual designs are currently being developed for final construction documents in Phase 2.



**Mt. Scott Drainage Study** – As PM, Nate assisted WES with a detailed analysis of seven drainage issues identified in the Mt. Scott Neighborhood of Happy Valley. Nuisance flooding occurred during large storm events

that floods roads and homes in the area. Nate performed an evaluation of inlet spacing and capacity along the steep slopes of the neighborhood streets and developed an XP-SWMM model of storm system that serves the area. The model was able to replicate the flooding patterns seen in large storm events. Nate evaluated the performance of several proposed solutions with a proposed conditions XP-SWMM model. Nate prepared a memorandum summarizing project recommendations including concept designs and cost estimates for implementation.

**WES Stormwater System Master Plan** – As Senior Water Resources Engineer, Nate assisted WES with the development of their Stormwater System Master Plan. Nate led the development of concept designs and cost estimates for ten priority Capital Improvement Projects (CIPs). Nate performed site visits for each priority project and developed design concepts that address the project needs, conform to WES Standards, and meet environmental requirements. The cost estimates included costs for design, construction, permitting, and administration. The conceptual designs include stormwater collection and conveyance improvements, stormwater treatment, flood reduction, culvert replacement, fish passage, and stream restoration. These designs served as the basis for the Upper Kellogg Capital Improvements Project as previously discussed.



### 1. CITY OF EUGENE, OR Eugene Airport (EUG) On-Call Consulting Services

**Client Contact:** Mariah Mulcahy | PM |  
541-682-5063 | [MMulcahy@eugene-or.gov](mailto:MMulcahy@eugene-or.gov)

**Completion Date:** Ongoing (est. 2025)

Since 2008, RS&H has been a trusted provider of on-call engineering services, including water resources engineering, to EUG, which manages a comprehensive stormwater system. In the past five years, RS&H has delivered water resources engineering services for over 35 projects, including:

- EUG RW 16L-34R Rehab Design (*Sarah Knue*)
- EUG TW CM Rehab Design (*Sarah Knue*)
- EUG Taxiway J & L Widening Design (*Sarah Knue*)
- EUG Concourse A Asphalt Rehab Design (*Nate Robinson*)
- EUG Construct Terminal Apron - 30% (*Nate Robinson*)

Our services extend to the design of collection and conveyance systems, water quality facility design, pipe location and condition studies, replacement of aging infrastructure, inlet replacement, emergency culvert repair, compliance with National Marine Fisheries Service (NMFS) stormwater criteria, hydraulic modeling, and wetland permitting/consultation. We face challenges such as working with aging and undersized infrastructure as facilities expand. Through technical excellence and close customer service, RS&H is a trusted advisor to EUG, confirming successful project execution with minimal impacts during construction.



**Relevancy:** Collection and Conveyance,  
Hydraulic Modeling, Stormwater Quality Treatment,  
Retrofit Design



### 2. CLACKAMAS COUNTY, OR Bear Creek Culvert and Molalla Avenue Shoulders

**Client Contact:** Jordan Cools, PE | PM |  
503-742-4654 | [jcools@clackamas.us](mailto:jcools@clackamas.us)

**Completion Date:** Ongoing (est. 2026)

RS&H is providing engineering design services to Clackamas County DTD for a culvert replacement and 0.75 miles of shoulder improvements on South Molalla Avenue at the crossing of Bear Creek. The project goals are to reduce overtopping of the roadway during flood events and to improve the safety of the roadway shoulders within the corridor. The replacement culvert will be a three-sided concrete box culvert designed to meet Oregon Fish Passage Criteria. Runoff from new impervious area associated with the shoulder improvements will be treated in a centralized bioretention facility that provides water quality treatment and flow control. The consolidation of water quality treatment into a single location for the entire 0.75 mile-long roadway improvement minimized adjoining property impacts saving cost related to property acquisition. The stormwater facilities are designed to meet WES Stormwater Standards as well as NMFS stormwater criteria. The project also includes wetland delineation and permitting with Department of State Lands, Department of Environmental Quality, and U.S. Army Corps of Engineers. *Key personnel involved on this project include Nate Robinson, Allen Hendy, Max Terry, and Jeff Parker.*



**Relevancy:** Culvert Replacement, Fish Passage,  
Hydraulic Modeling, Stormwater Quality Treatment,  
Flow Control, Sustainable Watershed Management

### 3. CITY OF SALEM, OR Water Resources Engineering\*

While at his previous company, *PM, Nate Robinson, PE*, provided on-call water resources engineering services **within the last five years** including:

#### **Mountain View Drive Storm Improvements**

**Client Contact:** Jerry Casteel, PE | PM | 971-301-0435 | [JCasteel@cityofsalem.net](mailto:JCasteel@cityofsalem.net)

Nate served as PM and lead water resources engineer to assist the City to address a persistent nuisance flooding that threatened residential properties. Nate developed a hydraulic model of the storm system using SWMM and identified the source of the flooding to be combination of local topography and an undersized conveyance system. Nate developed an alternatives analysis of several design solutions and worked with the City to identify a detention pond as the preferred solution. Nate provided senior technical oversight of final construction plans, specifications, and cost estimate for the detention pond design.



**Relevancy:** Flow Control, Hydraulic Modeling, Flooding Study, Stormwater Retrofit

*\*Previous Firm Experience*

### **Stormwater Design Review Support Services**

**Client Contact:** Don Whitehurst | Construction Engineer | 503-871-0893 | [DWhitehurst@cityofsalem.net](mailto:DWhitehurst@cityofsalem.net)

Nate served as a senior water resources engineer assisting the City of Salem Development Services with ongoing stormwater support spanning the development review process from land use to final engineering. Nate provided stormwater specific review of development plan submittals for conformance with the City's Public Works Design Standards and provided technical expertise to the Development Services Department and the City Engineer to support decision making. This included review of public conveyance improvements, hydrologic analyses, hydraulic modeling, water quality treatment facilities, flow control facilities, and design exception requests. Nate advised the City on revisions to the City's Public Works Design Standards to facilitate more consistent and technically sound design submittals.



**Relevancy:** Stormwater Quality Treatment, Flow Control, Stormwater Retrofits, Design Review

### 4. SPOKANE INTERNATIONAL AIRPORT (GEG), SPOKANE, WA Spokane Runway 7-25 and Taxiway C

**Client Contact:** Lisa Corcoran | Director | 509-455-6406 | [lcocoran@spokaneairports.net](mailto:lcocoran@spokaneairports.net)

**Completion Date:** 2020

RS&H provided design and construction services for the Taxiway C improvements including pavement reconstruction, new 30-foot-wide paved shoulders, and drainage improvements. Drainage improvements comprised of new stormwater pipe, inlets, and ditches to manage the additional runoff. RS&H designed the subsurface conveyance using EPA SWMM in accordance with regulatory criteria. The project also constructed new pavement underdrains to facilitate subgrade drainage. Stormwater improvements were designed to meet local and FAA standards. Additionally, the Runway 8-26 improvements repackage was completed on an extremely expedited design schedule to meet required grant deadlines for supplemental funding. All construction was completed on schedule and within budget.



**Relevancy:** Collection and Conveyance, Hydraulic Modeling

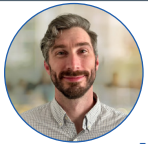
## Team Capabilities

Project Manager and Lead Engineer, Nate Robinson, PE has extensive experience assisting WES with Water Resources Engineering services and will use his familiarity with the challenges faced in the WES service area to lead project teams to successful outcomes for each task order. With 1,700 employees and over 175 employees available in the Pacific Northwest and Western Regions, the RS&H team offers a full range of water resources services with demonstrated experience in stormwater management design, stormwater retrofits, water quality treatment, stream crossing and fish passage design, scour analysis and countermeasure design, hydraulic modeling, floodplain permitting, stormwater planning studies, bank stabilization, and stream restoration.

**Key Personnel** – At RS&H, we pride ourselves on assembling highly skilled teams tailored to meet the specific needs of each project. The following table showcases our dedicated professionals who are available to contribute to WES projects. Each individual has been selected for their extensive experience and specialized expertise in their respective discipline areas. Our key staff has a proven track record of delivering successful projects in this region, demonstrating a deep understanding of local challenges and requirements.

|                                                                                                                                                               |                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WES Project Manager</b><br>Leah Johanson, PE                                                                                                               | <b>Principal-in-Charge</b><br>Jeff Parker, PE               |
| <b>Project Manager/Lead Water Resources Engineer</b><br>Nate Robinson, PE  | <b>QA Manager/Constructability Lead</b><br>Allen Hendy, PE  |
| <b>Project Delivery Team</b>                                                                                                                                  |                                                                                                                                                |
| <b>WATER RESOURCES</b><br>Sarah Knue, PE<br>Kate Shaughnessy<br>Kayvonne Brewer, EI                                                                           | <b>CIVIL/CADD DRAFTING</b><br>Larry Wilhelm                                                                                                    |
| <b>CIVIL ENGINEERING</b><br>Max Terry, PE                                  | <b>STRUCTURAL</b><br>Brian Burnham, PE, SE                                                                                                     |
|                                                                                                                                                               | <b>ENVIRONMENTAL SCIENTIST</b><br>Katy Martin, ENV SP                                                                                          |

 Key Personnel

| Key Personnel                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name & Title                                                                                                                                                                                                                                                                                              | Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Local Experience                                                                                                                                                                                                                                                                                                                                                                           |
|  <p><b>Nate Robinson, PE</b><br/><b>PM/Lead Water Resources Engineer</b><br/>15 YEARS OF EXPERIENCE<br/> <b>Lake Oswego, OR</b></p> | <ul style="list-style-type: none"> <li>› <b>Stormwater Management Design:</b> Specializes in design of stormwater collection, conveyance, and treatment systems (retrofits of existing systems).</li> <li>› <b>Hydrologic and Hydraulic Modeling:</b> Skilled in creating and utilizing models (HEC-RAS, WHMM, SWMM) to support design and analysis of stream and stormwater systems.</li> <li>› <b>Stream Crossing Design:</b> Led numerous projects involving stream restoration and culvert design.</li> </ul> | <ul style="list-style-type: none"> <li>› Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>Hydraulics Engineer</i></li> <li>› WES Storm System Master Plan – <i>Senior Water Resources Engineer</i></li> <li>› Mt. Scott Drainage Study, WES, Clackamas County, OR – <i>PM</i></li> <li>› Upper Kellogg Capital Improvements, Phase 1, WES – <i>PM</i></li> </ul> |

| Key Personnel                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name & Title                                                                                                                                                                                                  | Skills                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Local Experience                                                                                                                                                                                                                                                                                                                                                                                                  |
|  <p><b>Jeff Parker, PE</b><br/>Project Officer</p> <p>35 YEARS OF EXPERIENCE<br/>📍 Lake Oswego, OR</p>                       | <ul style="list-style-type: none"> <li>› <b>Project Management:</b> Expertise in project scoping, budgeting, and design, focusing on context-sensitive solutions that meet community needs and environmental compliance.</li> <li>› <b>Collaborative Design Approach:</b> Known for working closely with clients and stakeholders to deliver practical design solutions that balance cost, constructability, and aesthetics.</li> <li>› <b>Technical Expertise:</b> Proficient in structural, geotechnical, and civil design, with a strong understanding of engineering and environmental compliance considerations.</li> </ul> | <ul style="list-style-type: none"> <li>› Fall and Newland Creek Culvert Replacements, Clackamas County, OR – <i>PM</i></li> <li>› Salmon River (Elk Park Road) Bridge, Clackamas County, OR – <i>PM</i></li> <li>› Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>QA Manager</i></li> <li>› Kentucky Slough Bridge, Tidegate and Fish Passage, Coos County, OR – <i>PM</i></li> </ul> |
|  <p><b>Allen Hendy, PE</b><br/>QA Manager/<br/>Constructability Lead</p> <p>23 YEARS OF EXPERIENCE<br/>📍 Lake Oswego, OR</p> | <ul style="list-style-type: none"> <li>› <b>Water Resources Infrastructure Experience:</b> Leverages construction and design experience with stormwater infrastructure, culverts, and bridges. Uses experience in construction to help shape and advise design team.</li> <li>› <b>Innovative Problem-Solving:</b> Proactive approach to project management. Implements strategic solutions to complex engineering challenges.</li> <li>› <b>Local Knowledge:</b> Coordination efforts with local agencies such as WES, Oregon City, West Linn, Clackamas County, and ODOT.</li> </ul>                                           | <ul style="list-style-type: none"> <li>› Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>PM</i></li> <li>› I-205 Improvements Project Abernethy Bridge, ODOT Region 1 – <i>Resident Engineer, Consultant Projects/QA Manager</i></li> <li>› Larkspur Drive Widening and Stormwater Improvements, City of Camas, WA – <i>PM</i></li> </ul>                                              |
|  <p><b>Max Terry, PE</b><br/>Civil Engineer</p> <p>32 YEARS OF EXPERIENCE<br/>📍 Lake Oswego, OR</p>                        | <ul style="list-style-type: none"> <li>› <b>Comprehensive Roadway and Utility Design:</b> Proficient in designing roadways, sanitary sewers, and water layouts.</li> <li>› <b>Advanced Drainage and Layout Design:</b> Skilled in analyzing and designing drainage systems, as well as lot and street layouts.</li> <li>› <b>Standards Compliance and Design Assurance:</b> Ensures all design alternatives meet AASHTO, state, and county design standards.</li> </ul>                                                                                                                                                          | <ul style="list-style-type: none"> <li>› Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>Civil Engineer</i></li> <li>› Harvey Field Runway Improvement EA/EIS, Harvey Airfield, Inc., Snohomish, WA – <i>Civil Engineer</i></li> <li>› Flint Road Intersection Improvements, Spokane, WA – <i>Civil Engineer</i></li> </ul>                                                            |

| Support Staff                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name & Title                                                                                  | Skills & Local Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sarah Knue, PE</b><br><b>Water Resources Engineer</b><br><i>6 YEARS OF EXPERIENCE</i>      | <p>› <b>Water Resources Expertise:</b> Experience in stormwater management design, drainage systems, flood routing and analysis, and hydraulic and hydrologic modeling of watersheds. Proficient in preparing detailed plans and conducting water resources assessments. Has contributed to multiple resiliency and climate change evaluations, integrating water resources considerations into broader infrastructure and environmental planning efforts.</p> <ul style="list-style-type: none"> <li>• Taxiway A Rehabilitation Phase III, Eugene, OR – <i>Water Resources Engineer</i></li> <li>• Stormwater Pollution Control Plan (SWPCP/Spill Prevention Control and Countermeasure (SPCC) Plan Update, Eugene, OR – <i>Water Resources Engineer</i></li> <li>• EUG RW 16L-34R Rehab Design, Eugene, OR – <i>Water Resources Engineer</i></li> </ul> |
| <b>Kate Shaughnessy</b><br><b>Water Resources Engineer</b><br><i>4 YEARS OF EXPERIENCE</i>    | <p>› <b>Hydrologic and Hydraulic Modeling:</b> Skilled in creating and utilizing models (Stormcad, Hydraflow) to support design and analysis of stream and stormwater systems.</p> <ul style="list-style-type: none"> <li>• Construct Terminal Apron – 30% Design Phase Services, Eugene, OR – <i>Water Resources Engineer</i></li> <li>• EUG RW 34R RPZ Environmental Assessment – <i>Water Resources Engineer</i></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Kayvonne Brewer, EI</b><br><b>Water Resources Engineer</b><br><i>5 YEARS OF EXPERIENCE</i> | <p>› <b>Hydrologic and Hydraulic Modeling:</b> Skilled hydraulic modeler including SRH-2D, OpenRoads Drainage Modeling, Civil 3D Pipe Networks, HEC-RAS and SWMM.</p> <p>› <b>Floodplain Management:</b> Proficient in FEMA flood mapping, NFIP regulations, and flood risk assessment.</p> <p>› <b>Stormwater Design:</b> Experienced in design of stormwater collection and conveyance design as well as water quality treatment, including Best Management Practice (BMP) facilities and retrofits.</p> <ul style="list-style-type: none"> <li>• Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>Water Resources Engineer</i></li> <li>• Coastal 29 Remove Fish Barriers Project, WSDOT, Various Locations, WA – <i>Water Resources Engineer</i></li> </ul>                                                                 |



*"RS&H has proven its ability to produce high-quality results, on budget and in a compressed time scale. The RS&H team has always been highly responsive to our needs. We have been pleased with our relationship with RS&H and continue to utilize them for projects..."*

– Timothy Doll, City of Eugene, OR

| Support Staff                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name & Title                                                                                 | Skills & Local Experience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Larry Wilhelm</b><br><b>Civil/CADD Drafting</b><br><i>4 YEARS OF EXPERIENCE</i>           | <ul style="list-style-type: none"> <li>› <b>Experience:</b> Structural, roadway, bridge, hydraulics, and environmental project experience.</li> <li>› <b>Software Programs:</b> Skilled in AutoCAD Civil 3D and MicroStation. <ul style="list-style-type: none"> <li>• Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>Lead Drafter</i></li> <li>• OR217 Improvements, ODOT, Washington County, OR – <i>Environmental Drafter</i></li> <li>• OR38: Umpqua River (Scottsburg) Bridge Replacement Project, Douglas County, OR – <i>Drafter</i></li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Brian Burnham, PE, SE</b><br><b>Structural</b><br><i>19 YEARS OF EXPERIENCE</i>           | <ul style="list-style-type: none"> <li>› <b>Structural Design:</b> Experience as lead designer for bridges crossing creeks. He coordinates with hydraulic engineers to verify that the bridge openings satisfy hydraulic requirements.</li> <li>› <b>Stormwater:</b> Accommodates storm drains in the bridge deck and carrying stormwater lines across bridges. <ul style="list-style-type: none"> <li>• Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>Structural</i></li> <li>• Washougal River Waterline and Utility Bridge, City of Camas, WA – <i>Structural</i></li> <li>• Tigard Street, Tigard, OR – <i>Structural</i></li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                       |
| <b>Katy Martin, ENV SP</b><br><b>Environmental Scientist</b><br><i>7 YEARS OF EXPERIENCE</i> | <ul style="list-style-type: none"> <li>› <b>Wetland Assessments and Delineation:</b> Conducts wetland assessments and delineations nationwide. Expertise in habitat assessment, plant identification, soil characterization, historical research, and hydrologic analysis. Ensures compliance with regulatory requirements and supports permitting processes. Delivers detailed technical reports, including USACE jurisdictional assessments and wetland delineation reports.</li> <li>› <b>Mitigation Banks Management:</b> Manages wetland and wildlife mitigation banks. Conducts comprehensive ecological assessments for diverse upland and wetland habitats. Develops and implements land management strategies, including prescribed burns, exotic and invasive species removal, and native plant community restoration. <ul style="list-style-type: none"> <li>• Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – <i>Environmental Scientist</i></li> </ul> </li> </ul> |

**Specialized Equipment and Software** – Our project personnel are equipped with the latest tools and technology including ArcGIS Pro, AutoCAD Civil3D, Bentley OpenRoads, Autodesk Storm and Sanitary Analysis, WES BMP Sizing Tool, SWMM, StormCAD, HydroCAD, HEC-RAS, SRH2D, HEC-HMS, WWHM, HY-8, Microsoft Office, and Microsoft Project.

## Approach

RS&H offers a full range of water resource services with specialized teams of engineers and environmental scientists tailored to your individual needs. We utilize the most current technology in water resources engineering, including hydrologic, hydraulic, hydrodynamic, and water quality computer modeling. With 27 years of local firm experience in Oregon, the RS&H team will bring you:

- ▶ **Responsive Service** – Our local staff have immediate availability for meetings, site visits, email, or phone calls to resolve issues with minimal effort from WES staff.
- ▶ **Collaborative Project Engagement** – From kickoff, we will work with WES engineers and operations staff to develop a complete solution, fostering a team atmosphere.
- ▶ **Quality Work** – Timely design and constructability review comments, independent reviews, and reliable resolutions deliver a concise and accurate Plans, Specifications, and Estimate (PS&E) for competitive bids and fewer construction change orders.

Our approach to the required services includes:



**Project Scoping:** PM, Nate Robinson, PE will lead the scoping work for each task order received as a part of this contract. Nate will assemble a team of specific staff members with the appropriate technical expertise and levels of experience to effectively and efficiently execute the project.

Nate will work with support staff to review relevant reports, as-builts, and GIS data to support our understanding of the project. The team will perform a site walk with WES staff. Nate will collaborate with the WES PM to develop a comprehensive scope of work, fee structure, and schedule that align with the project's goals, key milestones, and budget constraints.



**Project Management:** Quality project management requires staying in tune with WES priorities and the concerns of other project stakeholders. Nate will make sure

his team understands these priorities throughout the life cycle of the project. After finalizing the project scope, a project kickoff meeting will be held with all parties to clarify what the project's scope, goals, and critical factors of success are. This will all be recorded in a Project Management Plan (PMP) that will be a living document during the life of each task order. Key components of our project specific PMP will include an organizational chart, communications plan, project schedule, project budget, contact information, change management process, and quality management.

Ongoing project management service will include:

- ▶ Monthly invoices and status reports documenting project decision making, outstanding issues, and budget status.
- ▶ Regularly scheduled communication with WES PM.
- ▶ Team meetings at major project milestones.
- ▶ Ability to perform site visits/meetings on short notice to quickly resolve questions.



**Engineering & Design:** Our water resources team will provide comprehensive engineering and design services for new and retrofit infrastructure, as well as planning studies to develop detailed stormwater and hydraulics reports, concept designs, preliminary and final construction drawings, technical memorandums, specifications, cost estimates, and construction schedules.

Our analysis is tailored to meet the project's specific needs, using industry-standard tools such as SWMM, HEC-RAS, HY-8, StormCAD, and other hydraulic modeling software. All designs will align with local and regulatory standards, including the WES Stormwater Standards, WES BMP sizing tool, Clackamas County Roadway Standards, ODOT Hydraulics Manual, Oregon Fish Passage Criteria, and other relevant guidelines.



**Quality Assurance/Quality Control (QA/QC):** At RS&H, we prioritize QA/QC as an integral part of our daily practices and standard operating procedures. Nate will implement this by following a Quality Management Plan (QMP) that will be fully integrated with WES deliverables and processes. Our QMP approach includes our independent Quality Assurance Manager (QAM), Allen Hendy, PE, who provides verification that all quality processes have been successfully completed. Our QAM reports directly to the Project Principal and has ultimate decision authority on when a deliverable can be released for submittal to WES.

Prior to all phase submittals, all deliverables will be checked and back-checked in accordance with the QMP. QC review staff are independent of production staff. Review comments received during WES and in-house reviews and all QC logs will be maintained in the project files and will be available to WES staff upon request.



**Constructability Reviews:** Design concepts and plans for each task order will be submitted to RS&H's Construction Services Lead, Allen Hendy, PE, for a constructability review. This review ensures that our design conforms to the latest construction practices and that the design is workable and efficient. Most importantly, concept constructibility reviews contribute to development of a cost-effective final design solution. Our constructibility review of advanced designs include measurement and payment review of the project's technical specifications, which facilitate construction administration and saves money through reduction in construction change orders. RS&H performs to the highest quality standards in design and will maintain strict adherence to the QMP for each assignment.



**Cost Estimating:** Our staff calculates project quantities for construction documents. Constructability review

and appropriate historical bid prices are used to establish unit prices. We establish a contingency allowance based on design completion and perceived risk. Additionally, we have access to RS&H's Project Controls group, which enhances our ability to manage and forecast project costs effectively.



**Project Schedule:** RS&H will carefully track the project schedule, communicate clearly with WES staff, and adjust efforts or staffing to manage unexpected schedule impacts. Our team is dedicated to ensuring that critical schedule milestones are met.

PROOF

For the **WES Upper Kellogg Capital Improvements Project**, PM Nate Robinson led the consultant team to complete the design alternatives analysis, including the development of a detailed SWMM and HEC-RAS model, on an accelerated schedule to ensure that ARPA grant funds could be obligated before expiration.



**Construction Support:** Our engineers will review and approve construction contract working drawings, consult with construction management staff, respond to requests for information, and evaluate value engineering proposals from the contractor. RS&H also offers full construction management services and is available at a scope that meets the needs of each individual project.



**Subconsultants:** When required, RS&H may contract with subconsultant firms to provide supporting services for specific projects. Nate is experienced at managing multi-consultant teams. Our team has decades of experience working in the Pacific Northwest and strong working relationships with consultants providing services, including geotechnical engineering, survey, right of way services, utility coordination, landscape architecture, cultural resources, and environmental permitting.



### **Nate Robinson, PE | PM/Lead Water Resources Engineer**

15 YEARS OF EXPERIENCE

Nate has 15 years of water resources engineering and design experience and has successfully completed several recent projects for WES. Nate has experience with storm system design, LID stormwater infrastructure, stormwater quality treatment, flow control design, UIC retrofits, culvert replacement, hydraulic modeling, fish passage, scour analysis and design, stream restoration, erosion stabilization, constructed wetlands, porous pavement and has worked on a wide array of public infrastructure improvement projects. Nate's expertise includes all aspects of engineering design including concept design, final construction documents, cost estimates, specifications, construction services.

#### **Education**

Bachelor of Science,  
Environmental  
Engineering, University  
of Vermont and State  
Agricultural College

#### **Licenses/ Certifications**

Professional Engineer:  
OR #88690PE

Professional Engineer:  
WA #57052

#### **Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – Lead Hydraulics Engineer.**

RS&H is providing engineering design services for a culvert replacement and 0.75 miles of shoulder improvements on South Molalla Avenue at the crossing of Bear Creek. Nate is leading the design of a three-sided concrete box culvert, compliant with Oregon Fish Passage Criteria, and a centralized bioretention facility, meeting WES and NMFS stormwater standards.

**Mt. Scott Drainage Study, Clackamas County, OR – PM.** Nate assisted Water WES with a detailed hydrologic and hydraulic analysis of seven nuisance flooding issues. Nate developed an XP-SWMM model of the study area and used the model to inform proposed solutions. Nate provided a memorandum documenting conceptual designs and cost estimates for recommended projects to address the flooding issues.

**WES Storm System Master Plan – Lead Water Resources Engineer.** Nate assisted Clackamas County WES with the development of their Stormwater System Master Plan. Nate led the development of concept designs for ten priority CIPs. The conceptual designs include stormwater collection and conveyance improvements, stormwater treatment, flood reduction, culvert replacement, fish passage, and stream restoration.

**Upper Kellogg Capital Improvements, Phase 1, Clackamas County, OR – PM.** Nate assisted WES with a hydraulic analysis, alternatives analysis, and concept design for improvements to reduce the frequency of nuisance flooding along Upper Kellogg Creek. Nate led the hydraulic modeling and developed a design approach for the project that includes culvert replacements, floodplain grading, and storm system improvements. Nate successfully accelerated the project schedule to meet challenging funding deadlines. Nate managed a multi-consultant team to provide design, preliminary permitting efforts, and public outreach services needed for this project.

### **Nate Robinson, PE (*Continued*) | PM/Lead Water Resources Engineer**

**179th and 29th Avenue Intersection Improvements, Clark County, WA – Lead Hydraulic Engineer.** Nate assisted Clark County with the design of a roundabout intersection along 179th Avenue. The design includes a new stormwater collection and conveyance system within the project limits and two stream crossings. Nate assisted with stream channel restoration and scour protection design at the stream crossings. The stormwater design includes over 10,000 feet of new stormwater pipe. Nate designed a large stormwater treatment wetlands facility to provide water quality treatment and detention, and proprietary treatment facilities. Nate designed new outfalls for the storm system to discharge to the adjacent creek after treatment. Nate's work included hydraulic modeling of the storm system and development of a stormwater report for regulatory approval.

**Allender Road Bridge Replacement, Cowlitz County, WA – Lead Hydraulics Engineer.** Cowlitz County replaced a 30-foot bridge over Stillwater Creek on Allender Road with a new 60-foot structure. The existing bridge experienced scour at the abutments and was confirmed to be quite mobile during high flow events. Nate lead the hydraulic analysis and scour protection design in accordance with HEC-18 and HEC-23. The stream channel will be reconstructed under a stream simulation approach to satisfy permitting requirements and maintain fish passage through the structure.

**Stormwater Design Review Support Services, Salem, OR – Senior Water Resources Engineer.** Nate provided stormwater specific design review of development submittals and offered support for changes to the City's stormwater standards. This support included review of public conveyance improvements, hydrologic analyses, hydraulic modeling, water quality treatment facilities, flow control facilities, and design exception requests.

**Mountain View Drive Storm Improvements, Salem, OR – PM/Lead Water Resources Engineer.** Nate assisted the City of Salem with hydraulic modeling and an alternatives analysis for addressing a recurring flooding issue along Mountain View Drive. Nate developed a XP-SWMM model of the neighborhood storm system used this model to develop and evaluate three alternative designs for addressing the flooding issue. A detention pond was selected as the preferred alternative and Nate provided senior technical oversight of the final design and construction documents.

**Sandy Boulevard: NE 181st Avenue to East Gresham City Limit Project, Gresham, OR – Lead Water Resources Engineer.** Nate assisted the City of Gresham with the replacement of a stormwater pipe/culvert crossing NE Sandy Boulevard to accommodate road widening and resolve issues with the structural degradation of the culvert. Nate led a condition assessment of the existing culvert and alternatives analysis to assist the City in choosing the most economical solution to the issue. After the alternative of a replacement culvert was chosen, Nate performed the hydraulic analysis to appropriately size the culvert. Nate also designed robust energy dissipation in accordance with HEC-14 at the culvert outlet to prevent erosion at high flows as well as a complex junction structure at the upstream end of the culvert. Nate led design development and the production of plans, specifications, and cost estimates.



### Jeff Parker, PE | Project Officer

35 YEARS OF EXPERIENCE

Jeff has over three decades of transportation engineering experience, including numerous culvert replacements in Oregon. He has served as project manager, roadway, structures, traffic, and water resources engineer on a multitude of stream crossings. He has designed culvert replacements for Clackamas, Marion, Columbia, and Josephine Counties. Jeff is providing program management assistance for the WSDOT Bridge Design Office on two projects with a combined program value of ~\$500M, including over 30 stream crossing fish passage improvements primarily consisting of existing culvert replacements with new culverts or simple span bridges.

#### Education

Bachelor of Science,  
Civil Engineering, South  
Dakota School of Mines  
and Technology

#### Licenses/ Certifications

Professional Engineer:  
OR #19472PE

Professional Engineer:  
WA #39607

**Kentuck Slough Bridge, County Bridge Number 11C113, Coos County, OR – PM.** The existing bridge, which carried East Bay Drive over Kentuck Slough, was built in 1952 and was a single-span, 27-foot-long, with an out-to-out width of approximately 27-feet. In addition, there were deteriorating tide gates hanging from the existing bridge that needed replacement. The new bridge consisted of two 12-foot travel lanes and two 12-foot shoulders, resulting in a curb-to-curb bridge width of 48-feet. The bridge and approach roadway width doubled in size to accommodate truck turning movements from a T intersection immediately adjacent to the bridge. An on-site temporary detour was used to maintain traffic during construction. The new tide gates were designed and constructed in close coordination with environmental agencies to maintain fish passage and salt water marsh during and after construction. This project included approach roadway, planting, erosion control and wetland mitigation design. Full real estate services were required to obtain necessary easements and new right-of-way. A biological assessment was written and joint COE/DSL fill permit obtained.

**Astoria Waterfront Bridge Replacements, ODOT R2, City Of Astoria, OR – PM.** PM for the design of this federal aid bridge replacement project. The six bridges are located within the Astoria Downtown Historic District near the mouth of the Columbia River. The existing multimodal timber trestle bridges supported rail, vehicular, and pedestrian use, while connecting the street ends of 6th, 7th, 8th, 9th, 10th, and 11th streets to the Columbia River Waterfront. The new bridges were designed to interface with existing piers, buildings, and a rail timber trestle bridge. This project included local permitting, public involvement, approach roadway, bridges, retaining walls, waterfront infrastructure reconstruction, planting, erosion control, traffic control, and illumination design. The project was awarded ACEC Oregon Transportation Project of the Year 2021.



### Education

Bachelor of Science, Civil Engineering, Oregon Institute of Technology

### Licenses/ Certifications

Professional Engineer:  
OR #70818PE

*"...[Allen's] relationship with WES helped foster a relationship with the Contractor and WES that provided the contractor much needed staging yard/field office and set the table for collaborative relationship..."*

– Chris Aquon, ODOT Resident Engineer

### **Allen Hendy, PE | Constructability/QA Manager**

23 YEARS OF EXPERIENCE

Allen successfully delivers transportation infrastructure projects, including water resources. He has strong relationships in this region and his expertise lies in leveraging construction and design experience with stormwater infrastructure, culverts, and bridges. He utilizes his construction background to shape and advise design teams, confirming that projects are both innovative and practical. He is a former ODOT Resident Engineer and WSDOT Assistant Area Engineer responsible for leading large design and construction teams consisting of state, city, and consultant team members delivering complex bridge and multimodal highway projects.

**Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – PM.** RS&H is providing engineering design services for a culvert replacement and 0.75 miles of shoulder improvements on South Molalla Avenue at the crossing of Bear Creek.

**I-205 Improvements Abernathy Bridge, ODOT, Oregon City & West Linn, OR – Resident Engineer.** This project involved bridge widening, roundabouts, retaining walls, stormwater facilities, and wetlands. Additional improvements include reconfiguring the OR 43 and OR 99E interchange, removing the current I-205 NB on-ramp from OR 43 and adding a roundabout to reduce crashes and conflicts with movements to and from OR 43. Allen provided oversight to a large hybrid consultant team and developed final PS&E, independent cost estimates, risk register, and project schedule. He also helped lead public involvement industry reviews, DBE outreach, and one-on-one meetings with contractors to improve the plans and specifications.

### **Salmon Creek Interchange Project, WSDOT Southwest Region, Vancouver, WA – PM.**

The \$133M project to reconstruct the I-5/I-205 interchange at NE 134th Street was executed in four phases and included the construction of three new bridge structures, demolition of an existing structure, seismic retrofitting, noise walls, stormwater facilities, and the first roundabout in Clark County. It also involved adding lanes on the interstate and improving local streets. The project, which won the Washington State Design Excellence Award, was managed by Allen, who led a multidisciplinary team and coordinated with WSDOT and Clark County staff. Key tasks included an EA, design, PS&E, construction, a two-year NEPA alternatives analysis, and significant ROW acquisition. Allen also managed public involvement and the stormwater pump station commissioning. Funded by the 2003 Nickel Gas Tax, FHWA, and other regional bodies, the project was completed under budget and on schedule.



### Max Terry, PE | Civil Engineer

32 YEARS OF EXPERIENCE

Max has experience in general civil engineering, land development, and transportation engineering. His expertise spans residential, commercial, and federal infrastructure design, including the development of master plans, surveying, data analysis, drainage system analysis and designs, lot and street layout and designs, roadway design, and sanitary sewer and water layout and designs.

**Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR, Various Cities, OR – Civil Engineer.** RS&H is providing engineering design services for a culvert replacement and 0.75 miles of shoulder improvements on South Molalla Avenue at the crossing of Bear Creek. Max provided roadway support.

#### Education

Bachelor of Science, Civil Engineering, Texas Tech University

#### Licenses/ Certifications

Professional Engineer:  
OR #104144PE

Professional Engineer:  
WA: #23037103

Professional Engineer:  
UT: #13521455-2202

Professional Engineer:  
TX: #86404

**Harvey Field Runway Improvement EA/EIS, Snohomish, WA – Civil Engineer.** This project involves an EA for the following components: The airport transitions from a two-parallel runway system—comprising a paved and a grass runway—to a single runway. The Runway Improvement Project is situated in the Snohomish River Floodplain, subject to FEMA regulations and Snohomish County Density Fringe Designation. Additionally, the project includes the relocation of associated navigational aids, runway/taxiway lighting, and fencing. The FAA reviews the information as it becomes available to ensure that the EA is the appropriate NEPA document and to determine if an Environmental Impact Statement (EIS) is needed. Max prepared preliminary alignment and profile design.

**Fort Bliss Tank Trails – Parson Corporation, Fort Worth, TX – Senior Civil Engineer.** This project was the reconstruction of approximately 78 miles of range roads utilized for existing firing ranges. During raining season, the roads were impassible due to flooding, so Mr. Terry analyzed existing drainage areas and flows for the development of drainage culverts to make the roads passable during rainfall events.

**Multiple Residential Subdivision Developments - SEDA Consulting Engineers, Inc., San Antonio, TX – Civil Engineer.** These projects were full designs that included water, sewer, roadway design, and mass lot grading. Max developed water network systems for the subdivisions that tied to existing trunk lines adjacent to the properties and developed WaterCAD models to ensure adequate water supply was available based on the HGL provided by governing agencies. Max also analyzed existing channels that were adjacent/traversed the sites utilizing HEC-HMS to determine existing/proposed/ultimate flow rates and then applied HEC-RAS analysis to develop flooding limits of the channels to determine the limits of development for the sites.



### **Sarah Knue, PE | Water Resources Engineer**

6 YEARS OF EXPERIENCE

Sarah specializes in stormwater management design and water resources engineering. She has worked extensively in drainage design, flood routing and analysis, hydraulic and hydrologic modeling, and plan preparation. She has also contributed to water resources components of resilience and climate change assessments.

**Taxiway A Rehabilitation Phase III, Eugene, OR – Water Resources Engineer.** This project involved the reconfiguration of the connecting taxiways, which included the removal of five taxiways and the reconstruction of four taxiways in new locations. Drainage improvements included the installation of new storm drain pipes, drainage structures, and an underdrain system connecting to the existing drainage network. Sarah was responsible for the drainage design from start to finish, including aviation drainage analysis, flood routing, hydrologic and hydraulic assessments, and preparing construction plans for the \$29M multi-phase project.

**Stormwater Pollution Control Plan/Spill Prevention Control and Countermeasure Plan Update, Eugene, OR – Water Resources Engineer.** This project involved updating the airport's SWPCP and SPCC Plan to ensure compliance with the National Pollutant Discharge Elimination System (NPDES) industrial stormwater discharge permit and the requirements of 40 CFR 112. The updates built on prior revisions completed in 2001, 2015, and 2021. Sarah was responsible for evaluating the existing stormwater infrastructure, identifying areas for improvement, updating pollution control measures, and preparing regulatory documentation to ensure continued compliance.

**EUG RW 16L-34R Rehab Design, Eugene, OR – Water Resources Engineer.** This project involved the rehabilitation of the entire length of Runway 16L-34R, as well as the reconfiguration of connecting taxiways to meet updated design standards. As part of the project, Taxiway B2 was redesigned to comply with Taxiway Design Group (TDG) five geometry standards, and 30-foot-wide asphalt shoulders were installed. Drainage improvements included new storm drainpipes, drainage structures, and an underdrain system that connected to the existing airport drainage infrastructure. The project also involved environmental assessments, including wetland delineations and Streaked Horned Lark surveys, which resulted in a biological assessment submitted to the U.S. Fish and Wildlife Service (USFWS) for consultation. Sarah was responsible for analyzing stormwater impacts, designing drainage solutions that integrated with the existing system, and ensuring compliance with environmental permitting requirements.

#### **Education**

Bachelor of Science, Civil Engineering, Boise State University

#### **Licenses/Certifications**

Professional Engineer:  
CO #PE.0063875

Civil Engineer Intern:  
ID #E-9209



### **Kate Shaughnessy | Water Resources Engineer**

4 YEARS OF EXPERIENCE

Kate has supported drainage infrastructure design, report development, and H&H analysis. Her strengths include strong time management skills, the ability to manage multiple projects, strong communication skills, and report development.

#### **Construct Terminal Apron - 30% Design Phase Services, Eugene, OR – Water Resources**

**Engineer.** RS&H is providing design phase services up to 30 percent design level to be completed concurrently with the Categorical Exclusion (CATEX) that is being completed under a separate scope of work. The 30 percent design is being completed concurrently in order to satisfy the design level requirements to develop a Biological Assessment (BA) as part of the CATEX to be submitted to the NMFS as part of an Endangered Species Act Section 7 Consultation. Kate designed proposed drainage infrastructure related to project services and assessed hydrologic and hydraulic conditions.

#### **Runway 34R End Runway Protection Zone Drainage Improvements EA, Eugene, OR – Water**

**Resources Engineer.** RS&H is performing an EA to analyze the impacts associated with improving the drainage within the Runway 34R Runway Protection Zone (RPZ) to reduce ponding, which is a wildlife hazard. Impacts being analyzed include wetlands, biological resources, and cultural resources. Kate analyzed changes in hydrologic patterns due to necessary wetland mitigation. H&H analysis required research into state and local regulations as well as looking through relevant LiDAR and GIS data. She was involved with preliminary design through environmental documentation stages through final design.

#### **Stormwater Infrastructure Assessment, Bishop International Airport, Flint, MI – Water Resources**

**Engineer.** RS&H is conducting a stormwater assessment of critical stormwater infrastructure located through the airfield and corresponding select parking areas. Kate developed an assessment of existing drainage infrastructure was performed and a phased recommendation plan for repair and replacement was developed.

#### **Education**

Bachelor of Science,  
Environmental  
Engineering, University  
of Cincinnati

#### **Licenses/ Certifications**

GIS Certification,  
University of Cincinnati



### Education

Bachelor of Science, Civil Engineering Technology, Metropolitan State University of Denver

### Licenses/ Certifications

Water Resources Engineer Intern (EI):  
CO #EI.0077351

### **Kayvonne Brewer, EI | Water Resources Engineer**

5 YEARS OF EXPERIENCE

Kayvonne is a skilled Water Resources Engineer specializing in drainage design, river hydraulics, floodplain management, and water quality improvement. Proficient in hydrological and hydraulic modeling, stormwater control, and erosion mitigation, she has successfully contributed to over \$50M in water resources projects within a short tenure. With a technology first approach, she excels in delivering sustainable, efficient, and cost-effective solutions. Kayvonne can both lead and support cross-disciplinary teams in an impactful manner and adapts well to evolving projects.

**Bear Creek Culvert and Molalla Avenue Shoulders, Clackamas County, OR – Water Resources Engineer.** RS&H is providing engineering design services for a culvert replacement and 0.75 miles of shoulder improvements on South Molalla Avenue at the crossing of Bear Creek. Kayvonne provided design for the BMP facility, conducted analysis of roadside ditches for shoulder widening, and aided in the hydraulic and hydrologic design/consideration for the replacement culvert.

**Coastal 29 Remove Fish Barriers Project, WSDOT, Various Locations, WA – Water Resources Engineer.** The project replaced approximately 29 existing fish barriers along US101 and SR 109 with fish passable structures in Grays Harbor, Jefferson, and Clallam Counties. Kayvonne held WSDOT Highway Runoff Manual certification and acted as lead stormwater designer responsible for roadside drainage design and stormwater treatment through BMP design. Additionally, Kayvonne held certification in WSDOT Fish Passage and Stream Restoration Design and supported the team of stream designers using Sedimentation and River Hydraulics two-dimensional modeling to ensure replacement culverts mitigated flood risk, considered climate change, preserved fish habitat, and limited unintentional scour.



### Education

Bachelor of Science, Civil Engineering, Washington State University

### Licenses/ Certifications

Professional Engineer:  
OR #90603PE

Professional Engineer:  
WA: #48138

Professional Engineer:  
AL: #151398

### **Brian Burnham, PE, SE | Structural Engineer**

19 YEARS OF EXPERIENCE

Brian is experienced in structural engineering from planning to design and through the completion of construction, including water resources and stormwater management projects. He has designed both prestressed concrete girder and steel plate girder bridges, as well as a variety of foundation types, including spread footings, drilled shafts, and driven piles. Brian has worked on several projects that are in Seismic Design Category D and has had to followed the AASHTO Guide Specifications for LRFD Seismic Bridge Design, which included performing a pushover analysis. He has seismically designed both new bridges and retrofits on existing bridges.

**Tigard Street, City of Tigard, OR – Structural Engineer.** Lead designer for this existing bridge replacement. The existing bridge experienced overtopping during the 2-year flood event. Brian worked closely with roadway and hydraulics to raise the roadway and increase the hydraulic opening. The new bridge is a 2-span, 124-foot-long, prestressed concrete slab bridge, with an integral center bent. Foundations are steel pipe piles at all three bents and a forced-based seismic analysis was performed to ensure everything stayed elastic. Settlement issues were accounted for with the fill from raising the roadway.

**Martin Road, Washington County, OR – Structural Engineer.** Lead designer for the replacement of three corrugated metal pipe culverts with a single span, 44-foot-long precast prestressed slab girder bridge. The bridge carries a 36-foot-wide roadway, has an asphalt overlay, and uses 3-tube curb mount rails. The superstructure is supported by CIP concrete caps that extend below the required riprap of the channel section and are founded on driven steel pipe piles. The bridge also carries a pressurized waterline that is mounted to the side of the slabs and tied into the pile caps to resist the thrust forces as the pipe turns vertically to be buried in the approach roadway. The bridge was designed for lateral spread loads from a seismic event.

**Washougal River Waterline and Utility Bridge, City of Camas, WA – Structural Engineer.** Assisted in the design of a single span prefabricated steel bridge supported by a seat abutment to the south and a hollow concrete pier to the north. The 250-foot bridge crossing the Washougal River will carry two 24-inch waterlines.

**Crowley Creek, Polk County, OR (ODOT) – Structural Engineer.** Lead Designer for the replacement of two culverts with a single span, 60-foot long, precast prestressed concrete slab bridge. Slabs were spread and supported a CIP concrete deck. Bents consisted of varying height concrete caps on 20-inch pipe piles. Sheet piles were integrally tied into the bottom of the cap and wingwalls were required for scour protection. The bridge was built in three stages, which included a temporary widened area of the roadway.



### Education

Master of Science,  
Environmental Sciences,  
Oregon State University

Bachelor of Science,  
Natural Resource  
Conservation, University  
of Florida

### Licenses/ Certifications

ENV SP #57756

### Katy Martin, ENV SP | Environmental Scientist

7 YEARS OF EXPERIENCE

Katy has extensive technical writing and field expertise and has collaborated with members of the public, private, and government sector on a range of projects, including wetland management and wildlife surveys; permitting and compliance; environmental forensics; remedial cost allocation; data collection and management; Environmental, Social, Governance (ESG) reporting; and technical oversight of environmental sampling activities. Katy is a creative and forward thinker who is committed to identifying solutions to complex environmental problems while bridging the gap between technical scientific work and effective public and stakeholder engagement.

**Wetland Assessments and Delineation, Nationwide – Environmental Consultant.** Katy performs wetland assessments and delineations in Oregon and nationwide, following USACE and regional standards. Her work includes habitat assessment, plant identification, soil characterization, historical research, and hydrologic analysis to accurately delineate wetland boundaries. Katy confirms compliance with regulatory requirements, aiding in the permitting processes. She provides detailed technical reports, such as USACE jurisdictional assessments and wetland delineation reports, supporting compliance documents like Environmental Assessments under NEPA. Understanding the regulatory landscape is vital for Katy, as she navigates complex permitting and compliance requirements. She collaborates with regulatory agencies to secure approvals while minimizing environmental impacts. Katy's ability to communicate technical information to diverse stakeholders and her commitment to high standards in environmental compliance make her a key asset in project success. Her expertise verifies that all projects meet stringent regulatory standards.

**Mitigation Banks, FL – PM/Environmental Scientist.** Katy has expertly managed wetland and wildlife mitigation banks in Florida, conducting thorough ecological assessments of various sensitive habitats. She has installed and maintained monitoring wells for long-term groundwater level tracking, and developed and executed land management strategies, including prescribed burns, exotic species removal, and native plant restoration. Katy created a database for long-term hydrologic and vegetative datasets, allowing for precise ecological change analysis. She conducted ongoing monitoring and adapted management practices to certify the success of these banks, leading to the release of wetland mitigation credits to offset development impacts. By collaborating with regulatory agencies and stakeholders, Katy confirms that projects meet environmental compliance and conservation goals. Her dedication to ecological sustainability and adaptive management has been crucial to the success of mitigation banking projects in Florida.

**PROPOSAL CERTIFICATION**  
**RFP #2025-01**

Submitted by: RS&H, Inc. State of Formation: FL  
(Must be entity's full legal name, and State of Formation)

Each Proposer must read, complete and submit a copy of this Proposal Certification with their Proposal. Failure to do so may result in rejection of the Proposal. By signature on this Proposal Certification, the undersigned certifies that they are authorized to act on behalf of the Proposer and that under penalty of perjury, the undersigned will comply with the following:

**SECTION I. OREGON TAX LAWS:** As required in ORS 279B.110(2)(e), the undersigned hereby certifies that, to the best of the undersigned's knowledge, the Proposer is not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means the tax laws of the state or a political subdivision of the state, including ORS 305.620 and ORS chapters 316, 317 and 318. If a contract is executed, this information will be reported to the Internal Revenue Service. Information not matching IRS records could subject Proposer to 24% backup withholding.

**SECTION II. NON-DISCRIMINATION:** That the Proposer has not and will not discriminate in its employment practices with regard to race, creed, age, religious affiliation, sex, disability, sexual orientation, gender identity, national origin, or any other protected class. Nor has Proposer or will Proposer discriminate against a subcontractor in the awarding of a subcontract because the subcontractor is a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns or an emerging small business that is certified under ORS 200.055.

**SECTION III. CONFLICT OF INTEREST:** The undersigned hereby certifies that no elected official, officer, agent or employee of Clackamas County is personally interested, directly or indirectly, in any resulting contract from this RFP, or the compensation to be paid under such contract, and that no representation, statements (oral or in writing), of the County, its elected officials, officers, agents, or employees had induced Proposer to submit this Proposal. In addition, the undersigned hereby certifies that this proposal is made without connection with any person, firm, or corporation submitting a proposal for the same material, and is in all respects fair and without collusion or fraud.

**SECTION IV. COMPLIANCE WITH SOLICITATION:** The undersigned further agrees and certifies that they:

1. Have read, understand and agree to be bound by and comply with all requirements, instructions, specifications, terms and conditions of the RFP (including any attachments); and
2. Are an authorized representative of the Proposer, that the information provided is true and accurate, and that providing incorrect or incomplete information may be cause for rejection of the Proposal or contract termination; and
3. Will furnish the designated item(s) and/or service(s) in accordance with the RFP and Proposal; and
4. Will use recyclable products to the maximum extent economically feasible in the performance of the contract work set forth in this RFP.

|                                                                                                       |                                      |
|-------------------------------------------------------------------------------------------------------|--------------------------------------|
| Name: <u>George Tsiouvaras, PE</u>                                                                    | Date: <u>12/20/2025</u>              |
| Signature: <u></u> | Title: <u>Senior Vice President</u>  |
| Email: <u>george.tsiouvaras@rsandh.com</u>                                                            | Telephone: <u>720-586-6610</u>       |
| Oregon Business Registry Number: <u>1672339-99</u>                                                    | OR CCB # (if applicable): <u>N/A</u> |

Business Designation (check one):

☒ Corporation ☐ Partnership ☐ Sole Proprietorship ☐ Non-Profit ☐ Limited Liability Company

☒ Resident Quoter, as defined in ORS 279A.120

☐ Non-Resident Quote. Resident State: \_\_\_\_\_