


**Washington State
Department of Transportation**

Supplemental Agreement Number <u>01</u>		Organization and Address Consor North America, Inc. One SW Columbia St. Ste 1700 Portland OR 97204 Phone:	
Original Agreement Number <u>10563</u>			
Project Number <u>2319</u>		Execution Date	Completion Date <u>12/31/2027</u>
Project Title Pavement Management - NE 24th St from 172nd Ave NE to WLSP Construction Support		New Maximum Amount Payable \$ <u>1,774,670</u>	
Description of Work This scope includes construction support and observation services to assist the City during construction of the project.			

 The Local Agency of City of Redmond

 desires to supplement the agreement entered into with Consor North America, Inc.

 and executed on 7/2/2024 and identified as Agreement No. 10563

All provisions in the basic agreement remain in effect except as expressly modified by this supplement.

The changes to the agreement are described as follows:

I

Section 1, SCOPE OF WORK, is hereby changed to read:

See attachment A
II

 Section IV, TIME FOR BEGINNING AND COMPLETION, is amended to change the number of calendar days for completion of the work to read: End date of 12/31/2027
III

Section V, PAYMENT, shall be amended as follows:

See attachment B

as set forth in the attached Exhibits, and by this reference made a part of this supplement.

If you concur with this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

By: _____

By: _____

 Consultant Signature

 Approving Authority Signature

 Date

Attachment A- SCOPE OF WORK

Pavement Management and Utility Upgrades NE 24th Street Construction Management Services City of Redmond

Project Summary

Conсор North America, Inc. (Consultant) has developed the following scope of services and accompanying fee estimate based on our understanding of the project and discussions with City of Redmond (City) staff. This scope includes construction support and observation services to assist the City during construction of the project. The City will be responsible for all necessary permitting, bidding, and construction management not provided for herein.

The project includes construction of approximately 6,200 feet of water pipe (4"-12" in diameter), 2,100 feet of sanitary sewer pipe (6"-10" in diameter), and 600 feet of storm pipe (12" in diameter); repaving and restriping of approximately 3 lane-miles of roadway; and upgrade to existing curb ramps to meet ADA standards. Work includes, but is not limited to, installation of piping, fire hydrants, water meters, manholes, catch basins, side sewers, sidewalks, curb ramps, paving, and other work necessary to complete the project

Project Assumptions

Construction is anticipated to commence in January 2026 for project kick-off and critical submittal phase. For budgeting purposes, an active construction duration of 250 working days (approximately 50 weeks) has been assumed.

Scope of Services

Consultant is proposing to perform the following services in relation to the City's NE 24th Pavement Management and Utilities Upgrade Project:

Task 1 - Project Management and Contract Administration

Objective

Provide strategic guidance aligned with City staff objectives. Coordinate & monitor the project resources to meet the technical, communication, and contractual obligations required for developing and implementing the project scope.

Subtask 1.1 Project Coordination

- Perform general administration and project management throughout the construction phase to ensure successful completion of all tasks and elements of the Project within the established scope, schedule, and budget.
- Proactively track progress of project work completed against schedule & budget.
- Inform the City of any anticipated challenges during the construction phase as they may arise and develop solutions together.

Subtask 1.2 Invoices/Status Reporting

- Prepare monthly invoices, including expenditures by task, hours worked by project personnel, and other direct expenses with the associated backup documentation.
- Monthly status reports to accompany each invoice and include comparisons of monthly expenditures and cumulative charges to budget by Task.

Subtask 1.2 Assumptions

- Assume fourteen (14) monthly invoices and status reports

Subtask 1.2 Deliverables

- Consultant will deliver to the City a monthly invoice and status report covering:
 - Work on the project performed during the previous month
 - Issues encountered, and actions taken for their resolution
 - Potential impacts to submittal dates, budget shortfalls, or optional services
 - Issues requiring project team action

Task 2 – Construction Contract Administration and Closeout

Objective

Be a point of contact for construction phase activities where assistance is needed. Coordinate with City staff and design team. Attend twenty-five (25) project meetings and monitor project budget and schedule and assist when requested.

Subtask 2.1 Pre-Construction Services / Meeting

Attend the Pre-Construction Meeting with up to one Consultant team member in attendance.

Subtask 2.1 Assumptions

- One (1) Consultant staff to attend Pre-Construction Meeting.

Subtask 2.1 Deliverables

- Items as requested at meeting

Subtask 2.2 Project and Weekly Construction Meetings

Attend virtually up to twenty-five (25) weekly construction, and utility coordination meetings with up to one (1) Consultant team member in attendance.

Subtask 2.2 Assumptions

- One (1) Consultant staff to attend virtually.

Subtask 2.2 Deliverables

- Items as requested at meetings.

Subtask 2.3 Contract Administration

Provide construction management and administration services to monitor that the project is completed according to the Contract Documents. Perform the following tasks.

1. Develop change orders, including independent cost justifications, and maintain a change order log.
2. Maintain material quantity and quality documentation, including maintenance of the Record of Materials (ROM).
3. Assist Redmond Inspector with scheduling on site testing and review by subconsultants.

Subtask 2.3 Assumptions

- Assume 8 (eight) change orders taking ten (10) hours per change orders to coordinate with City and Contractor and draft change orders.

Subtask 2.3 Deliverables

- Change order documents for City review and approval.
- Updated ROM

Subtask 2.4 Shop Drawings, Submittals and RFIs

Prepare and maintain submittal log for approximately 50 submittals and/or shop drawings. Receive, log, distribute, and track submittal reviews and responses for project submittals. Prepare a submittal and documentation matrix for reference by contractor and construction management team. Prepare and maintain RFI log for 50 RFIs. Receive, log, distribute, and track RFIs and respond to construction contractor.

Subtask 2.4 Assumptions

- Fifty (50) shop drawings and submittals are assumed, with an average of two (2) hours per submittal. Assume fifteen (15) additional re-submittals.
- Fifty (50) RFIs are assumed, with an average of two (2) hours per RFI.

Subtask 2.4 Deliverables

- Updated Submittal Log
- Reviewed submittals and shop drawings returned to construction contractor
- Updated RFI Log
- Reviewed RFI responses to construction contractor

Subtask 2.5 Project Closeout

Consultant will lead the close-out phase to document completion of the project and adherence to WSDOT LAG requirements. Consultant will provide complete project files to the City and perform the following duties to assist with project close-out.

Substantial Completion/Punch List: Upon substantial completion of work, Construction Inspector will provide punch list of any outstanding items and coordinate completion with contractor.

Subtask 2.4 Assumptions

- Up to 5 visits for 2 staff to confirm punch list items such as ADA compliance

Subtask 2.5 Deliverables

- Punch list
- Project Closeout Documents (Project documentation files including Electronic documents and pictures on a thumb drive). Hard copies if requested.

Subtask 2.6 Record Drawings

As-Built Drawings: Construction Inspector will confirm that the contractor is maintaining a set of "Record Drawings".

Conсор will use the marked-up plan set to update their project CAD file per the requirements in the City of Redmond’s Record Drawing Policy.

When complete, Conсор will submit the following to the City for GIS review:

- Upload to the Record Drawings library on the project’s SharePoint site, one composite DWG file(AutoCAD 2019 or earlier)
- Completed “Digital Submittal Checklist” (Appendix A of the City of Redmond Record Drawing Requirements)
- One full size record drawing plan set in PDF format (All sheets in one file)

Following GIS review, comments or recommendations for changes or corrections will be provided and returned to the Consultant. The Consultant will make corrections and resubmit the digital CAD file, Digital Submittal Checklist and PDF file. This process will continue until all comments have been addressed.

Project Closeout: Transfer project documentation to the City for permanent storage. Provide a thumb drive or other electronic transfer method with all electronic documents and pictures. Provide hard copies of documentation upon request.

Subtask 2.6 Deliverables

- Record Drawings

Task 3 – Construction Inspection

Objective

The City will staff the project with a full-time construction inspection to observe construction, monitor the work by the construction contractor, and document that the work is in general compliance with the requirements of the Contract Documents. The inspector is responsible for routine interfacing with the construction contractor and stakeholders and is to observe the construction contractor’s operations and work.

Conсор will provide supplemental inspection as requested by the City.

Subtask 3.1 Construction Inspection

The Construction Inspector’s activities, in general, will include the following tasks.

1. Attend pre-construction conference, project, and weekly progress meetings.
2. Establish pre-construction site conditions using photo and video log of sites.

3. Observe/inspect the contractor's activities, operations, and work and document the contractor's work is in general compliance with the requirements of the contract documents. Observations will be completed on the standard WSDOT daily report form unless specified differently by the City.
4. Monitor the contractor's progress with respect to planned/scheduled work.
5. Document the contractor's construction activities (preparation of daily reports, photographs, etc.).
6. Create field note records of bid item work performed.
7. Verify and document that traffic control is per accepted traffic control plans when on-site.
8. Keep Construction Manager and City informed of project progress, issues, and developments.
9. Review minor change requests by the contractor.
10. Coordinate, observe, and document material testing and special inspection
11. Utility coordination with stakeholders
12. Track force account labor and equipment/materials; issue force account sheets for additional payment when required.
13. Maintain field construction records and as-built set.
14. Maintain photo log

Subtask 3.1 Assumptions

- Supplemental Inspection hours estimated at 45 hours per week with field work occurring for 6 weeks total.

Subtask 3.1 Deliverables

- Daily progress reports, photos, force account documentation
- Contractor and sub-contractors wage rate interviews
- Daily on-site contractor and sub-contractors list

Task 4 – Subconsultant Services

Objective

Quality Assurance and materials sampling and testing.

Subtask 4.1 Material Testing and Special Inspections

Consultant will assist the City in developing a quality assurance program. Consultant will provide material testing and special inspection as outlined and at the frequency indicated in the WSDOT LAG Manual.

Subtask 4.1 Assumptions

- Testing level of effort based on assumptions included in HWA's quote (attached).

Subtask 4.1 Deliverables

- Materials test reports and summary report spreadsheet

Subtask 4.2 Geotechnical Services

Subtask 4.1 Assumptions

- Testing level of effort based on assumptions included in HWA's quote (attached).

Subtask 4.1 Deliverables

- Summary reports

Task 5 – Management Reserve

5.1 Management Reserve

Written permission from the City is required to access \$20,000 of management reserve funds. Scope of services and fee estimate to be negotiated with request to access the management reserve.

The City, at its discretion, may supplement the scope of services to include any or all of the tasks noted below.

- · Additional Investigations and Design Services
- · Construction Engineering Support
- · Construction Management
- · Inspection Support
- · Record Drawings Preparation

Project Cost Estimate
 Inspection & Testing
 Redmond NE 24th Street Improvements
 Redmond, Washington
 Prepared For: Mike Hagerty, PE, Consor



HWA Ref: 2025-198

Date: 4-Sep-25

Prepared By: BS/BKH

PROPOSED WORK SCOPE:

This cost estimate is based on plans and specifications provided by Client.

1. Sampling and acceptance/Proctor testing of CSTC, Gravel Borrow, and Foundation Material for use in trench backfill, and roadway/sidewalk construction.
2. Inspection and testing of compacted aggregates for utility trenches, roadway/sidewalk subgrade, and ADA ramp construction.
3. Concrete sampling for curb and gutter, ADA ramps, and driveways.
4. Sampling of HMA aggregate for acceptance and oil at the plant for ignition oven correction factor.
5. Sampling and testing HMA during paving for Rice density, extraction and gradation (minimum: one test sample per 1000 tons).
6. Inspection and testing of HMA placement and compaction (minimum: one test per 100 tons).
7. Written field reports will be prepared for all inspections and reviewed for QC.

Material Testing - ESTIMATED HWA LABOR:

Scope of Services	2025 PERSONNEL & BILLING RATES						
	GeoEng VIII \$320.00	GeoEng II \$155.00	Geol VI \$230.00	Geol II \$130.00	Contracts \$175.00	TOTAL HOURS	TOTAL AMOUNT
Aggregate Inspection and Testing, including:							
Sampling of CSTC, GB, and Foundation Material at WSDOT intervals (assume 2 sources)				16		16	\$2,080
Inspection and Testing of Storm and Sewer Trench Backfill (10 visits)				60		60	\$7,800
Inspection and Testing of Water Main Trench Backfill (10 visits)				60		60	\$7,800
Inspection and Testing of compacted aggregates for roadway/sidewalk construction				20		20	\$2,600
Asphalt Inspection and Testing, including:							
Inspection and Testing during HMA permanent trench patching (4 full days)				40		40	\$5,200
Inspection and Testing during HMA Roadway/Overlay (4 full days)				40		40	\$5,200
HMA Oven Ignition Correction Sampling of Aggregate and Oil (2 mixes x 1 source)				6		6	\$780
HMA Sampling at Batch Plant (7 trips)				21		21	\$2,730
Concrete Inspection and Testing, including:							
Curb & Gutter Testing (4 visits, plus pickups)				24		24	\$3,120
ADA Ramps (6 visits, plus pickups)				36		36	\$4,680
Driveway Testing (1 visit, plus pickups)				6		6	\$780
Geotechnical Observation/Project Management							
Preconstruction Meeting			2			2	\$460
QA Review, PM, Reporting, Submittal Reviews, and Report Distribution	8		12		6	26	\$6,370
TOTAL LABOR COST	8	0	14	329	6	357	\$49,600

LABORATORY TESTING SUMMARY:	Est. No. Tests	Unit Cost	Total Cost
Acceptance Testing for CSTC (GS, SE, Fracture) - assume 2 sources	4	\$390	\$1,560
Acceptance Testing Foundation Material Class A (GS) - assume 2 sources	2	\$200	\$400
Acceptance Testing Gravel Borrow (GS, SE) - assume 2 sources	2	\$320	\$640
Proctor Tests on all Materials to be Compacted	6	\$290	\$1,740
Concrete Compressive Strength Cylinders (assume 11 sets x 4 cylinders each set)	44	\$40	\$1,760
HMA Oven Correction Factor (2 mixes x 1 source x 3 burns per OCF)	2	\$550	\$1,100
HMA: Rice Density, Extraction/Gradation	7	\$600	\$4,200
TOTAL LABORATORY TESTING:			\$11,400

ESTIMATED DIRECT EXPENSES:	
Mileage to Job Site IRS Rate 0.7/mile, assume 55 trips	\$1,580
Mileage for Sampling Aggregates and HMA at Sources	\$380
Nuclear Gauge Rental (Thin Lift or Soil): 33 days @ \$60/day	\$1,980
TOTAL DIRECT EXPENSES:	\$3,940

ESTIMATED PROJECT TOTALS AND SUMMARY:	
Total Labor Cost	\$49,600
Laboratory Testing	\$11,400
Direct Expenses	\$3,940
ESTIMATED TASK TOTAL:	\$64,940

Assumptions:

1. These estimates may require adjustment due to the Contractor's rate of construction, weather delays, source changes and/or other factors beyond our control.
2. The HWA PM reserves the right to shift hours between the various subtasks as required.
3. The HWA work scope does not include safety assessment nor work pertaining to any environmental issues.
4. This cost estimate was prepared with the understanding that the Client will schedule inspection as needed.
5. All night work is charged at an 8 hour minimum segment. Night work cancelled within 12 hrs of scheduled time will be charged 4 hrs.
6. All weekend work is charged at an 4 hour minimum segment. Weekend work cancelled within 12 hrs of scheduled time will be charged 4 hrs.
7. 3000 psi, Commercial, and concrete for sidewalks and thrust blocks will not be tested.
8. No density testing will be needed for water service connections outside of the roadway prism.
9. HWA's laboratory is not equipped to test HMA binder or tackifier. This testing is performed by WSDOT's Bituminous Materials Lab. WSDOT will only allow invoicing to a contract with the Owner (they cannot invoice HWA for this work). This estimate does not contain time for sampling/driving samples to the Tumwater lab.
10. This cost estimate does not include Special Inspections (reinforcing steel, welding, structural anchors, etc). HWA is not WABO certified.

Ciani & Hatch Engineering, PLLC
Level of Effort Estimate
Contract Title: City of Redmond - Engineering Construction Services

		Senior Project Engineer Senior Staff Staff										CHE NonLabor Cost	CHE Total
Billing Rate:		\$ 225	\$ 205	\$ 185	\$ 155	\$ 158	\$ 149	\$ 138	Hours	Labor Cost			
Task 1.0 - Engineering Construction Services													
Project Management, Projet Setup, & Invoicing		4		8	10		0		22	\$ 3,930.00	\$ 224.00	\$ 4,154.00	
In-Person Preconstruction meeting		0		4	0		0		4	\$ 740.00	\$ -	\$ 740.00	
Up to 3 half day Site Visits		2		4	0		21		27	\$ 4,319.00	\$ -	\$ 4,319.00	
Review of Materials Testing Field Reports (up to 40)		8		20	0		0		28	\$ 5,500.00	\$ -	\$ 5,500.00	
RFIs & General Consultation		8		15	0		0		23	\$ 4,575.00	\$ -	\$ 4,575.00	
Task Total:		22	0	51	10	0	21	0	104	\$ 19,064.00	\$ 224.00	\$ 19,288.00	
Hours Total:		22	0	51	10	0	21	0	104	\$ 19,064.00	\$ 224.00	\$ 19,288.00	

CHE Labor Cost Total:	\$ 19,064
CHE Non-Labor Cost:	\$ 224
CHE Total:	\$ 19,288
Total Subcontractor Cost:	\$ -
TOTAL FEE:	\$ 19,288

- Assumptions:
- Project management includes up to 6 invoicing cycles
 - Up to 3 half day site visits. Each site visit assumes 4 hours on site, travel time, and field reporting time. These site visits will be performed on an as-need basis.
 - Assumes up to 40 Materials Testing field report reviews
 - Mileage for each site visit is calculated using the current IRS standard rate of \$0.70 per mile.

Exhibit B

Consultant Fee Determination

Project Name: Pavement Management & Utilities Upgrades – NE ;
 Project Number: 2319-096, -403, -404, -406
 Consultant: Consor

NEGOTIATED HOURLY RATES

Classification	Hours	DSC	Overhead 171%	Fee (Profit) 28%	Total Hourly Rate	Total
Engineering Designer VII	200	\$ 78.93	\$134.97	\$22.18	\$236.08	\$46,618
Professional Engineer VI		\$ 77.93	\$133.26	\$21.90	\$233.09	
Engineering Designer VI		\$ 75.26	\$128.69	\$21.15	\$225.10	
Professional Engineer V		\$ 73.92	\$126.40	\$20.77	\$221.09	
Engineering Designer V		\$ 71.24	\$121.82	\$20.02	\$213.08	
Professional Engineer IV		\$ 69.57	\$118.96	\$19.55	\$208.08	
Engineering Designer IV		\$ 68.23	\$116.67	\$19.17	\$204.08	
Professional Engineer III		\$ 67.23	\$114.96	\$18.89	\$201.08	
Engineering Designer III		\$ 67.23	\$114.96	\$18.89	\$201.08	
Engineering Designer II		\$ 63.22	\$108.11	\$17.76	\$189.09	
Engineering Designer I		\$ 58.87	\$100.67	\$16.54	\$176.08	
Technician IV	100	\$ 67.23	\$114.96	\$18.89	\$201.08	\$20,108
Technician III		\$ 61.21	\$104.67	\$17.20	\$183.08	
Technician II		\$ 53.18	\$90.94	\$14.94	\$159.06	
Technician I		\$ 46.83	\$80.08	\$13.16	\$140.07	
Administrative III	14	\$ 48.83	\$83.50	\$13.72	\$146.05	\$2,045
Administrative II		\$ 44.82	\$76.64	\$12.59	\$134.06	
Administrative I		\$ 40.14	\$68.64	\$11.28	\$120.06	
Cost Estimator III		\$ 105.69	\$180.73	\$29.70	\$316.12	
Cost Estimator II	480	\$ 85.62	\$146.41	\$24.06	\$256.09	\$124,373
Cost Estimator I		\$ 64.89	\$110.96	\$18.23	\$194.09	
Construction Manager X		\$ 110.37	\$188.73	\$31.01	\$330.12	
Construction Manager IX		\$ 102.68	\$175.58	\$28.85	\$307.12	
Construction Manager VIII		\$ 96.99	\$165.85	\$27.25	\$290.10	
Construction Manager VII		\$ 93.32	\$159.58	\$26.22	\$279.12	
Construction Manager VI		\$ 86.63	\$148.14	\$24.34	\$259.11	
Construction Manager V		\$ 79.94	\$136.70	\$22.46	\$239.10	
Construction Manager IV		\$ 75.92	\$129.82	\$21.33	\$227.08	
Construction Coordinator I		\$ 49.84	\$85.23	\$14.01	\$149.07	
Construction Admin Specialist IV	120	\$ 67.23	\$114.96	\$18.89	\$201.08	\$21,969
Construction Admin Specialist III		\$ 61.21	\$104.67	\$17.20	\$183.08	
Construction Admin Specialist II		\$ 53.18	\$90.94	\$14.94	\$159.06	
Construction Admin Specialist I		\$ 46.83	\$80.08	\$13.16	\$140.07	
Inspector VII	300	\$ 79.94	\$136.70	\$22.46	\$239.10	\$55,525
Inspector VI		\$ 73.92	\$126.40	\$20.77	\$221.09	
Inspector V		\$ 66.89	\$114.38	\$18.80	\$200.07	
Inspector IV		\$ 61.88	\$105.81	\$17.39	\$185.08	
Inspector III		\$ 54.85	\$93.79	\$15.41	\$164.06	
Inspector II		\$ 49.84	\$85.23	\$14.01	\$149.07	
Quality Control Compliance Specialist		\$ 66.89	\$114.38	\$18.80	\$200.07	
Total Hours	1,214				Subtotal:	\$270,638
REIMBURSABLES						
Mileage						\$4,034
CAD						\$1,800
Geotechnical Inspection						\$19,288
					Subtotal:	\$25,122
SUBCONSULTANT COSTS (See Exhibit B1)						
HWA						\$64,950

Total: \$360,710

Contingency: 20,000

GRAND TOTAL: \$380,710

Exhibit B1

Consultant Fee Determination

Project Name: Pavement Management & Utilities Upgrades
– NE 24th St from 172nd Ave NE to WLSP
Final Design Construction Management

Project Number: 2319-096, -403, -404, -406

Consultant: HWA Geo Sciences Inc.

NEGOTIATED HOURLY RATES

Classification	Hours	DSC	Overhead 196%	Fee (Profit) 28%	Total Hourly Rate	Total
GeoEng VIII	8	\$ 98.74	\$193.53	\$27.75	\$320	\$2,560
GeoEng II		\$ 47.83	\$93.75	\$13.44	\$155	
Geol VI	14	\$ 70.97	\$139.10	\$19.94	\$230	\$3,220
Geol II	329	\$ 40.12	\$78.64	\$11.27	\$130	\$42,780
Contracts	6	\$ 54.00	\$105.84	\$15.17	\$175	\$1,050
Total Hours		357			Subtotal:	\$49,610
REIMBURSABLES						
Laboratory Testing						\$11,400
Mileage						\$1,960
Nuclear Gauge Rental						\$1,980
Subtotal:						\$15,340
GRAND TOTAL:						\$64,950