



Council Business Meeting

June 20, 2023

Agenda Item	Contract for Construction Design and Administration Services for the Ashland Street Reconstruction Project with Dowl LLC Engineering (PW 2019-24)		
From	Scott A. Fleury, PE Karl J. Johnson, EIT	Public Works Director Associate Engineer/Project Manager	
Contact	scott.fleury@ashland.or.us 541.552.2412	karl.johnson@ashland.or.us 541.552.2415	
Item Type	Requested by Council <input type="checkbox"/> Update <input type="checkbox"/> Request for Direction <input checked="" type="checkbox"/> Presentation <input type="checkbox"/>		

SUMMARY

Before Council, acting as the Local Contract Review Board, is a request to approve a personal services contract with DOWL, LLC, for the Ashland Street Overlay Project for a total contract amount not to exceed \$424,572.50 (principal project tasks in the amount of \$399,812.50 and contingencies in the amount of \$24,760.00).

POLICIES, PLANS & GOALS SUPPORTED

City Council Goals (supported by this project):

A: Prioritize the “Essential Services”

- Streets

B: Develop and/or enhance the following “Value Services” by leveraging the City’s resources

- Multi-Modal Transportation
- All-Age Friendly Community

Organization:

- Quality infrastructure and facilities through timely maintenance and community investment

Department Goals:

- Maintain existing infrastructure to meet regulatory requirements and minimize life-cycle costs,
- Deliver timely life cycle capital improvement projects,
- Maintain and improve infrastructure that enhances the economic vitality of the community,
- Evaluate all city infrastructure regarding planning management and financial resources.

Current Transportation System Plan:

- Make safety a priority for all modes
- Maintain small-town character, support economic prosperity and accommodate future growth.
- Create a system-wide balance for serving and facilitating pedestrian, bicycle, rail, air, transit, and vehicular traffic in terms of mobility and access within and through the City of Ashland.

PREVIOUS COUNCIL ACTION

On June 15, 2021, Council approved a personal services contract for professional engineering and design services for the Ashland Street Overlay Project with DOWL, LLC for \$459,691.33, of which \$416,351.86 has been expended to date.

[June 15, 2021 – Council Communication](#)





Council Business Meeting

BACKGROUND AND ADDITIONAL INFORMATION

The solicitation for the engineering design and construction administration phases of the Ashland Street Rehabilitation Project was previously released through an open request for qualifications (RFQ) based proposals selection process. DOWL was selected as the best qualified. The project has three distinct phases: 1) preliminary design and permitting, 2) final design and bidding, and 3) construction administration services. With prior Council authorization, DOWL has completed phase one and two, preliminary design and permitting, and final design and bidding services.

The scope and fee before Council for approval acting as local contract review board is for the construction administration phase. The services include inspection of the construction phase and certification of construction elements for the project, reference attached statement of work.

FISCAL IMPACTS

The 2022-23 & 2023-24 Street Division Biennium Budget (BN) includes funds for contracted services (capital improvement program) in the amount of \$3,500,000 for this project. This construction administration contract coincides with the construction phase contract with Knife River Materials, for the Ashland Street Overlay Project.

Staff is currently working with the Infrastructure Finance Authority (IFA) on a debt instrument to fund the project. Debt is required to fully fund this project and other street rehabilitation projects forecasted in the coming years. Debt is also required to be obtained as outlined in the Food and Beverage Ordinance for Street Rehabilitation Projects. The totalized debt as allowed would also include the previous expenditures for preliminary and final engineering. Currently the IFA is offering through their Special Public Works Fund program a 15-year loan term at a rate of 3.05% for projects of this nature. Staff expects to work out final details for financing with the Finance Director moving forward.

DISCUSSION QUESTIONS

Does the Council have any questions about the Ashland Street rehabilitation project or associated contractual process used?

SUGGESTED NEXT STEPS

Council has the option to approve this contract or refer staff back for a new request for proposals. Potential motions include:

1. I move to approve a contract for construction engineering services with DOWL LLC for an amount not to exceed \$424,572.50. (Principal project tasks in the amount of \$399,812.50 and contingencies in the amount of \$24,760.00).
2. Direct staff to reconsider a new solicitation for the construction engineering portion of the Ashland Street Overlay Project.

REFERENCES & ATTACHMENTS

Attachment 1: DOWL – Statement of Work for Construction Engineering and Breakdown of Costs



May 20, 2022

Karl Johnson, E.I.T.
City of Ashland Engineering Department
20 East Main Street
Ashland, OR 97520

**Subject: Ashland Street Overlay from Siskiyou Boulevard to Faith Avenue
2752.80029-01**

Dear Karl:

DOWL proposes the following amended Statement of Work for the ADA curb ramps, street overlay, and partial reconstruction of Ashland Street from Siskiyou Boulevard to Faith Avenue.

Scope of Work

Amendment 2 covers the final stages of the project, which is the Construction Contract Administration/Construction Engineering and Inspection (CA/CEI).

TASK CE-01 PROJECT MANAGEMENT

This activity is continuous throughout the duration of these CA/CEI Services. Consultant shall guide and direct the CA/CEI Services and Consultant's team in conformance with the amendment requirements of the CA/CEI Services and the Project's goals and objectives. Consultant shall monitor progress of the Project and CA/CEI Services.

CE-1.1 Project Management and Coordination

Consultant shall:

- Provide leadership, direction, and control of these CA/CEI Services.
- Direct Consultant's team regarding overall CA/CEI activities and team meetings.
- Maintain liaison, communication, and coordination between Consultant's staff, City of Ashland (City) Staff, and Construction Contractor (CC) to facilitate timely and efficient operations for all involved.

Deliverables:

- Ongoing coordination and communication as needed to appropriately manage the CA/CEI Services (no tangible deliverables for this task)

ASSUMPTIONS FOR BUDGETING PURPOSES: Project Progress Meetings are assumed to be weekly (during active construction) with no more than 4 Consultant staff attending and 26 meetings are assumed, including any activity-specific meetings.

CE-1.2 Status Reports and Invoices

Consultant shall prepare 8 monthly Status Reports throughout the duration of the CA/CEI Services.

The Monthly Status Report must:

- Describe the previous month's Consultant activities
- Describe the planned activities for the next month
- Identify any issues or concerns that may affect the CA/CEI Services and budget, or the Project schedule and Project budget

If the construction Project schedule milestones are significantly revised, Consultant shall attach the updated Project schedule and submit with Monthly Status Report. Consultant shall submit the Monthly Status Reports to the City with the monthly Consultant invoice.

Assumptions

Construction is anticipated to begin October 2022 with an overall duration of 8 months.

Deliverables

- Monthly Status Report - Submitted to the City with the monthly invoice no later than the 15th calendar day of the month following the reporting month

TASK CE-02 Construction Contract Administration/Construction Engineering and Inspection (CA/CEI)

Consultant shall support the Project's needs by providing CA/CEI Services required for the City to certify that the Project was completed according to the Plans and Specifications for the Project. Consultant shall engage the Professional of Record (POR) as needed to provide the engineering services required to administer design changes which may become necessary during the construction phase of the work.

CE-2.1 Project Progress Meetings

Consultant shall:

- Conduct the Pre-Construction Conference with the City of Ashland staff and the CC.
- Conduct periodic Project Progress Meetings with the CC and the City as needed. The Project Progress Meetings are intended to promote Project progress, proper communications, effective working relationships, and timely issue resolution.

ASSUMPTIONS FOR BUDGETING PURPOSES: Project Progress Meetings are assumed to be weekly (during active construction) with no more than 4 Consultant staff attending and 26 meetings are assumed, including any activity specific meetings.

CE-2.2 Construction Contract Administration

Consultant shall provide day-to-day administration of the construction contract. Consultant shall complete contract administration tasks as outlined in the ODOT Construction Manual, Local Public Agency Quality Assurance Program, the Non-Field Tested Materials Accepted Guide, the ODOT Inspector's Manual, QCCS Handbook, Qualified Products List ("QPL"), the Contract Plans and Specifications, and this amendment.

In addition to any other requirements identified in the reference standards identified above, Consultant shall:

- Issue First Notification when on-site construction work begins.
- Monitor overall budget and costs included in the Project Construction Authorization.
- Review Contractor's Request for Subcontract Consent.
- Prepare, submit, and coordinate processing of CCO and EWO.
- Prepare, track, and submit to City billings from CC.

Deliverables

- First Notification, Second (substantial completion), Third Note (warranty), and Final Acceptance
- Approved Subcontracts
- Draft CCO and EWO documents with supporting documents (cost estimate and justification)

CE-2.3 Monthly Preliminary Progress Estimates

Consultant shall:

- Prepare the monthly preliminary progress estimate for CC's work performed through the 25th day of each month.
- Submit the preliminary progress estimate or "no work" confirmation to the LAPM no later than the First Work Day of each month.

Deliverables

- Monthly Preliminary Progress Estimate

CE-2.4 Working Drawings, Shop Drawing and Submittal Review

Consultant shall review construction shop drawings and working drawings submitted either electronically or in paper form by the CC. If electronic submittals are received, Consultant shall process them according to the ODOT Guide to Electronic Shop Drawing Submittal. Consultant shall log in the submittal when it arrives, track the submittal to ensure timely response, and log out the reviewed submittal when it is returned to the CC. Consultant shall conduct submittal review in accordance with Section 00150.35 of the Standard Specifications, and the ODOT Construction Manual, Chapter 16 – Working Drawings. Of the multiple copies of each shop drawing received from CC, Consultant shall:

- Maintain the as-submitted copies in the Project files.
- Conduct review and prepare mark-up/comment copies of the shop drawing. Stamped Drawings must be signed and dated by the POR and marked as either Accepted, Accepted

with Comments, or Returned for Corrections. Unstamped Drawings shall be marked as Approved, Approved as Noted, or Returned for Correction.

- Include construction contract number on all shop drawings.

Consultant shall review the following submittals as required using the guidelines in ODOT's Construction Manual, Chapter 16 – Working Drawings, the ODOT Guide to Electronic Shop Drawing Submittal, and the Standard Specifications Section 00150.35:

- Traffic Control Plan
- Erosion Control Plan
- Pollution Control Plan
- Construction Schedules (baseline and monthly updates)
- Concrete Mix Design(s)
- Up to 40 others as required by construction contract specifications
- Review of up to 10 resubmittals

Deliverables:

- Approved shop drawings with comments returned electronically

CE-2.5 Consultation during Construction

Consultant shall provide consultation and technical services regarding design issues raised during construction of the Project. Consultant shall clarify construction contract documents and provide written responses to Requests for Information (“RFIs”.) The design consultation will occur only as required and may be ongoing throughout the CA/CEI Services and the Project. Consultant shall engage the services of the POR on all matters involving design changes.

Deliverables:

- Written documentation of responses to CC or City inquiries submitted within 3 business days of inquiry unless other delivery date is agreed to by the City

ASSUMPTIONS FOR BUDGETING PURPOSES: This task assumes up to 20 RFIs, each requiring up to 4 hours of staff time for preparation and documentation of the response. Task also assumes up to 25 hours of general coordination and consultation during construction.

CE-2.6 Design Modifications [CONTINGENCY TASK]

If Consultant or CC determines that design modifications may be necessary, Consultant shall discuss potential changes with the City and POR prior to verbally agreeing on changes with CC or preparing the appropriate contract change order documents, depending upon the type of work (changed work, extra work, or force account work). Upon request of the City, Consultant shall work with the POR to prepare detailed engineering design revisions necessitated by conditions encountered during construction. These design revisions must be accompanied by the necessary contract change order documents (CCO, EWO) to make them a part of the construction contract.

Deliverables:

- Design details for modifications (prepared or approved by the POR for appropriate changes to Project design) - Submit to The City at date agreed to when work was requested

CE-2.7 Claim(s) Support [CONTINGENCY TASK]

If authorized by the City, Consultant shall provide support to the City to review and respond to all claims submitted by the CC as specified in the Oregon Standard Specifications Section 00199 – Disagreements, Protests and Claims. Consultant tasks for claim(s) support may include but are not limited to:

- Preparing memoranda and supporting documentation (photo logs, inspection reports, memos, drawings, etc.) related to claims.
- Providing consultation related to claims (in person, via telephone, or email).
- Attending claim resolution meetings.
- Preparing a claim decision in conformance with the requirements of Standard Specifications Section 00199.40(b).

ASSUMPTIONS FOR BUDGETING PURPOSES: This task assumes no more than 48 hours for claim(s) support. Assume up to 1 claim, each requiring 2 staff to do 1 day of preparation and attend up to 1 all-day meeting for each claim plus Principal and PM reviews and clerical assistance.

Deliverables:

The deliverables for claim(s) support may include but are not limited to:

- Memoranda and supporting documentation (photo logs, inspection reports, memos, drawings, etc.) related to claims
- Claim decision that satisfies Standard Specifications Section 00199.40(b)

TASK CE-03 CONSTRUCTION ACTIVITY MONITORING

CE-3.1 Construction Activity Monitoring

Consultant shall:

- Provide full-time inspection services to monitor construction activities during construction of the Project using ODOT-certified Inspectors and require compliance with the construction contract documents.
- Provide inspection concurrently with the CC's operation.
- Work closely with CC to ensure on-site inspections are coordinated with the construction schedule.
- Prepare General Daily Progress Reports of construction for days Consultant is on site.
- Take photos of the various construction activities.

During site visits, Consultant shall also visually assess all erosion control devices and verify all work is compliant with the issued regulatory permits and the special provisions. If deficiencies are noted, Consultant's inspector shall immediately bring the deficiency to the attention of the

CC and the City and recommend a corrective course of action to comply with environmental regulations, performance standards, and permit conditions.

This Task will also include ADA Ramp Inspections for compliance in general accordance with Contract documents and ODOT procedures.

Deliverables:

- General Daily Progress Reports – Completed each day Consultant is on-site and made available for review at Consultant’s field office or home office. Originals submitted to The City with final Project documentation submittal per Task 5.4.

ASSUMPTIONS FOR BUDGETING PURPOSES: This task assumes full time (40 hours/week) inspection during the CC's activities for 26 weeks for 1 inspector.

CE-3.2 Quality Control Monitoring (Non-Field Tested & Field-Tested Materials)

Consultant shall:

- Document the work and non-field tested materials incorporated into the Project.
- Monitor the CC’s Quality Control (QC) program for conformance with requirements of the ODOT Manual of Field Test Procedures and the construction contract documents.
- Monitor the CC’s QC Program. One or more Consultant staff shall perform the QCCS functions as defined in the QCCS Handbook and the Local Agency’s Quality Assurance Program, which is in Section 2 of the ODOT Manual of Field Test Procedures. Consultant staff fulfilling the role of the QCCS shall be experienced in all areas of field testing and documentation and be certified by the Agency’s Technician Certification Program for the specific tests being monitored.

The following are the approved Technician Certifications currently in place in the Technician Certification Program:

- Certified Aggregate Technician (CAgT)
- Certified Embankment and Base Technician (CEBT)
- Certified Density Technician (CDT)
- Certified Asphalt Technician I (CAT-I)
- Certified Asphalt Technician II (CAT-II)
- Certified Mix Design Technician (CMDT)
- Quality Control Technician (QCT)
- Concrete Control Technician (CCT)
- Concrete Strength Testing Technician (CSTT)

Consultant shall:

- Review and monitor the CC's documentation for the quality of all materials incorporated into the Project.
- Verify that all materials furnished, inspected by DOWL staff, and placed on the Project comply with the approved specifications.
- Certify that the documentation confirms that all materials comply with the Construction Contract requirements.

- Identify and monitor CC's quality control technicians, confirm proper and current certification(s), and ensure that proper testing frequencies and procedures are being followed. Monitoring must be done by Consultant staff experienced in all areas of field testing and documentation and certified by ODOT's Technician Certification Program for the specific tests being monitored.
- Take appropriate action if CC's quality contract technicians do not have proper or current certifications, or if proper testing frequencies and procedures are not being followed.

Deliverables:

- Non-field and field-tested reports and certifications

TASK CE-04 CONSTRUCTION SURVEYING

Consultant's licensed Land Surveyor shall provide land surveying Services and deliverables that conform to all state statutes pertaining to survey and land boundary laws. These include, but are not limited to, the following Oregon Revised Statutes (ORS):

ORS Chapter 92 - Subdivisions and Partitions

ORS Chapter 93 - Conveyancing and Recording

ORS Chapter 209 - County Surveyors

ORS Chapter 672 - Professional Engineers; Land Surveyors; Photogrammetrists; Geologists

Consultant's survey personnel shall perform all construction surveying tasks in accordance with the most recent version of the ODOT Construction Surveying Manual for Contractors (available on line at: <http://www.oregon.gov/ODOT/ETA/Pages/Manuals.aspx>) to ensure conformance of the Project construction with the approved plans and specifications. Consultant shall provide qualified personnel to verify the Project is constructed to the lines and grades as shown, specified, or established.

CE-4.1 Coordination, Calculation and Quality Assurance (QA) of Construction Contractor's Survey Work

Consultant shall:

- Coordinate with City and CC as needed to verify that the construction survey work completed by the CC for the Project is in conformance with the approved plans, specifications, and applicable laws.
- Attend and participate in a pre-survey meeting with the CC, City, and others as appropriate. Consultant shall coordinate with CC and City to determine participants and to schedule the pre-survey meetings at an agreed-upon time no later than 2 weeks prior to beginning construction. Prepare and distribute the meeting agenda to City and other participants at least 4 business days prior to meeting. Prepare and distribute the meeting minutes to City and other participants within 1 week of meeting.
- Perform QA review of CC's survey data including, but not limited to, office calculations and stake-out information. Provide memo indicating dates and times grade calculation checks were performed, and the results of the calculation checks. Include copy of notification to CC on items not in compliance from calculation checks and when and/or what corrections were made.

- Perform QA review of CC's field survey work. Provide memo indicating dates and times grade calculation checks were performed, and the results of the calculation checks. Include copy of notification to CC on items not in compliance from calculation checks and when and/or what corrections were made.

ASSUMPTIONS FOR BUDGETING PURPOSES: This task assumes no more than 12 site visits by a one-man survey crew for QA surveying.

Deliverables:

- Memo summarizing field checks 48 hours after field visit

CE-4.2 Locate, Recover & Reference Monuments

Consultant shall recover and reference monuments (as indicated below) in the location of the ROW identified in the control, recovery, and retracement survey. Consultant shall document in field notes the monuments either found or not found during the search phase. Consultant shall ensure compliance with the requirements of ORS 209.155.

For all monuments not destroyed during construction activities, Consultant shall note in the field notes that:

- All monuments were recovered (including date),
- All monuments exist per the control, recovery, and retracement survey, or
- All monuments are within the new ROW and do not need to be reset

The monuments may or may not be retied to confirm their original surveyed positions. This decision will be made based on Consultant surveyor's professional judgment.

Consultant shall:

- Recover monuments shown on the control, recovery, and retracement survey to confirm they either still exist or were destroyed during construction.
- Note destroyed monuments that are within the Project limits.
- Locate and recover any new monumentation within the Project work zone which were placed after the original field search and survey ties, which may include research of county records as appropriate.

Deliverables:

- ASCII File of located monuments with monument point numbers and coordinates and any other electronic files (such as .fwd, .alg, ASCII, etc.) created or produced for the Project documenting Monumentation surveying - Submit within 2 weeks after recording of the survey filing map (SFM) with the appropriate County Surveyor's office
- Original field notes and 1 electronic .pdf copy - Submit within 2 weeks after recording of the SFM with the appropriate County Surveyor's office

CE-4.3 Right of Way Monumentation

Consultant shall:

- Reset any monuments that have been disturbed by the construction activities of this project.
- Set control and/or ROW monuments within 45 days of the completion of construction.

Deliverables

- AutoCad Civil 3D file displaying the control and/or monuments – Submit within 2 weeks after recording of the SFM with the appropriate County Surveyor's office
- Final report of monument station and offset relationship to the alignment(s) – Submit within 2 weeks after recording of the SFM with the appropriate County Surveyor's office
- Agency ROW files and copies of all deeds, court judgments, etc., from the appropriate County – Submit within 2 weeks after recording of the SFM with the appropriate County Surveyor's office
- Original field notes and 1 copy in .pdf format – Submit within 2 weeks after recording of the SFM with the appropriate County Surveyor's office
- Final ASCII file of all control and monument points set – Submit within 2 weeks after recording of the SFM with the appropriate County Surveyor's office

CE-4.4 Monumentation Survey Filing Map (SFM)

Consultant shall:

- Create SFM in accordance with Agency Survey Filing Map Standards, County, and ORS 209 requirements. Consultant shall ensure preservation of existing survey markers in conformance with Chapter 6.2 of the [ODOT Construction Survey Manual for Contractors](http://www.oregon.gov/ODOT/ETA/Pages/Manuals.aspx), available online at: <http://www.oregon.gov/ODOT/ETA/Pages/Manuals.aspx>.
- Submit the survey to Jackson County for filing on archival Mylar or acceptable media per county requirements.

Deliverables

- SFM - File at the appropriate County Surveyor's office within 45 days of setting monuments.
- Submit the deliverables below to the City:
 - Final recorded SFM and narrative regarding methodologies used – Submit within 2 weeks of recording of the SFM with the appropriate County Surveyor's office

TASK CE-5 PROJECT CLOSE-OUT

Consultant shall complete interim and final on-site inspections and submit all Project records required for final payment and Project acceptance.

CE-5.1 Final Inspection(s)

Consultant shall attend a Project Final Inspection with CC and the City within 15 days of receiving notice from the CC that all punch list items, final trimming, and cleanup according to Section 00140.90 have been completed. If additional construction items are identified,

Consultant shall provide input to a punch list of items to be corrected by the CC. Once the punch-list items have been corrected, Consultant shall meet at Project site with the City for a follow-up to the Final Inspection, if necessary.

Deliverables:

- Comments for Project punch list to CC and the City 5 business days following final walk-through

CE-5.2 As-Constructed Plans

Consultant shall prepare as-constructed plans in conformance with the City standards.

The following clarifications or exceptions or both to the above reference documents apply to Consultant-prepared as-constructed plans:

- As-constructed plans must be reviewed and approved by the POR prior to submittal to the City.
- The submittal and distribution requirements are specified in the “Deliverables” section of this task.

Deliverables:

Provide the City with Paper and PDF As-Built submittals, which shall be 11 x 17 in size.

- For Review:
 - Submit As-Builts in PDF format
- Upon Approval:
 - Provide full set As-Builts in PDF, formatted as Highest Quality Print
 - Provide 1 paper As-Built plan set
 - Provide the As-Builts with all external reference files and post construction survey in CAD format

CE-5.3 Submittal of Final Project Documents

Consultant shall organize and submit the final Project documentation that was inspected by the Consultant

Deliverables:

- All construction documents and general daily progress reports – Original documents must be submitted to Local Agency within 90 calendar days of Final Project Acceptance

Estimated Fee

Estimated engineering hours for this work are detailed in the attached spreadsheet. Labor rates are based on DOWL's 2021 billing rates table. We propose to complete the base services outlined in our scope of work on a time-and-material basis for an estimated fee not to exceed (NTE) \$399,812.50 with contingency tasks totaling \$24,700.00 to be completed only as authorized by the City of Ashland. The approved fee will not be exceeded without prior written authorization from the City of Ashland. Any changes to the scope of work, whether requested by the City of Ashland or due to other circumstances, will be documented in writing and promptly communicated to the City of Ashland.

We trust this proposal provides you with the information required for the Ashland Street Overlay from Siskiyou Boulevard to Faith Road project and hope it meets with your approval. If you have any questions, please do not hesitate to contact me.

Sincerely,

Shane Javernick

Digitally signed by Shane
Javernick
DN: CN=Shane Javernick,
OU=Standard, OU=Users,
OU=Staff, DC=DOWL, DC=COM
Date: 2022.05.20 16:38:51-07'00'

Shane A. Javernick, PE
Construction Project Manager

<u>Personnel Classification</u>		<u>Personnel Classification</u>	
Accounting Manager	\$160	Senior Manager I	\$215
Accounting Technician	\$95	Senior Manager II	\$235
Administrative Assistant	\$75	Senior Manager III	\$245
CAD Drafter I	\$80	Senior Manager IV	\$280
CAD Drafter II	\$95	Senior Manager V	\$290
CAD Drafter III	\$105	Senior Manager VI	\$310
CAD Drafter IV	\$115	Senior Proposal Manager	\$175
CAD Drafter V	\$125	Survey Technician - Supervisor	\$130
Civil and Transportation Designer	\$100	Survey Technician I	\$65
Contract Administrator I	\$135	Survey Technician II	\$70
Contract Administrator II	\$160	Survey Technician III	\$85
Engineer I	\$105	Survey Technician IV	\$90
Engineer II	\$120	Survey Technician V	\$95
Engineer III	\$145	Survey Technician VI	\$105
Engineer IV	\$165	Survey Technician VII	\$120
Engineer V	\$175	Survey Technician VIII	\$130
Engineer VI	\$190	Survey Technician IX	\$145
Engineer VII	\$200	Systems Administrator	\$130
Engineer VIII	\$210	Technical Coordinator	\$155
Engineering Technician I	\$85		
Engineering Technician II	\$95		
Engineering Technician IV	\$120		
Engineering Technician VI	\$150		
Environmental Specialist I	\$95		
Environmental Specialist II	\$110		
Environmental Specialist III	\$120		
Environmental Specialist IV	\$140		
Environmental Specialist V	\$150		
Environmental Specialist VI	\$170		
Environmental Specialist VII	\$185		
Environmental Specialist VIII	\$205		
Environmental Specialist IX	\$220		
Environmental Specialist X	\$240		
Field Project Representative I	\$105		
Field Project Representative III	\$115		
Field Project Representative III	\$145		
Field Project Representative IV	\$160		
GIS Technician	\$80		
GIS Specialist	\$95		
GIS Coordinator	\$145		
Graphics Designer	\$125		
Intern I	\$65		
Marketing & Administrative Manager	\$195		
Marketing Coordinator	\$135		
Professional Land Surveyor II	\$105		
Professional Land Surveyor V	\$135		
Professional Land Surveyor IX	\$185		
Professional Land Surveyor X	\$195		
Professional Land Surveyor XI	\$210		
Project Controller	\$140		
Project Manager III	\$165		
Project Manager V	\$195		
Project Manager VI	\$210		
Senior CAD Drafter	\$145		
Senior Civil and Transportation Designer	\$145		

Travel/Reimbursable Expenses:

Mileage: ODOT Current Rate

Reimbursable job costs will be invoiced at cost.

Equipment Charges:

Special equipment @ direct rental cost

TASK	Project Manager V	Project Manager III	Field Project Representative III	Field Project Representative IV	Project Controller	Engineer III	Professional Land Surveyor X	Survey Technician V	Senior CAD Drafter		TOTAL HOURS	TOTAL DOWL \$	DKS	GRI	TASK BUDGET
TASK CE-01 Project Management of CA/CEI Services															
CE-1.1 Project Management and Coordination	20	150	2	2		2					176	\$ 29,550.00	\$2,140	\$0	\$31,690.00
CE-1.2 Status Reports and Invoices		10			10						20	\$ 3,050.00	\$0	\$0	\$3,050.00
Task Subtotal	20	160	2	2	10	2	0	0	0	0	196	\$32,600.00	\$2,140.00	\$0.00	\$34,740.00
TASK CE-02 Construction Contract Administration/Construction Engineering and Inspection (CA/CEI)															
CE-2.1 Project Progress Meetings	2	50	2	20	25						99	\$ 15,630.00	\$0	\$0	\$15,630.00
CE-2.2 Construction Contract Administration		40			84						124	\$ 18,360.00	\$0	\$0	\$18,360.00
CE-2.3 Monthly Preliminary Progress Estimates		15	30	20	35						100	\$ 14,925.00	\$0	\$0	\$14,925.00
CE-2.4 Working Drawings, Shop Drawings and Submittal Review	15	10		8	12	40					85	\$ 13,335.00	\$3,290	\$0	\$16,625.00
CE-2.5 Consultation During Construction	15	7			8	80					110	\$ 16,800.00	\$6,210	\$2,120	\$25,130.00
Task Subtotal	32	122	32	48	164	120	0	0	0	0	408	\$79,050.00	\$9,500.00	\$2,120.00	\$90,670.00
TASK CE-03 Construction, Environmental Compliance and Work Zone Monitoring and Inspection															
CE-3.1 Construction Activity Monitoring		50	1100	104							1254	\$ 184,390.00	\$0	\$0	\$184,390.00
CE-3.2 Quality Control Monitoring (Non-Field Tested and Field-Tested Materials)				50							50	\$ 8,000.00	\$0	\$0	\$8,000.00
Task Subtotal	0	50	1100	154	0	0	0	0	0	0	1304	\$192,390.00	\$0.00	\$0.00	\$192,390.00
TASK CE-04 Construction Surveying															
CE-4.1 Coordination, Calculation and Quality Assurance (QA) of Construction Contractor's Survey Work		1	1		20		20	144			186	\$ 20,690.00	\$0	\$0	\$20,690.00
CE-4.2 Locate, Recover & Reference Monuments					1		2	20			23	\$ 2,430.00	\$0	\$0	\$2,430.00
CE-4.3 Right of Way Monumentation					1		2	20			23	\$ 2,430.00	\$0	\$0	\$2,430.00
CE-4.4 Monumentation Survey Filing Map (SFM)					1		20		40		61	\$ 9,840.00	\$0	\$0	\$9,840.00
Task Subtotal	0	1	1	0	23	0	44	184	40	0	293	\$35,390.00	\$0.00	\$0.00	\$35,390.00
TASK CE-05 Project Close-out															
CE-5.1 Final Inspection(s)		12	8	8	3						31	\$ 4,840.00	\$0	\$0	\$4,840.00
CE-5.2 As-Constructed Plans	4		8		2	30			60		104	\$ 15,270.00	\$4,000	\$0	\$19,270.00
CE-5.3 Submittal of Project Documents		16	24	16	10						66	\$ 10,080.00	\$0	\$0	\$10,080.00
Task Subtotal	4	28	40	24	15	30	0	0	60	0	201	\$30,190.00	\$4,000.00	\$0.00	\$34,190.00
TOTAL HOURS	56	361	1175	228	212	152	44	184	100	0	2512				
AVERAGE HOURLY RATES	\$195.00	\$165.00	\$145.00	\$160.00	\$140.00	\$145.00	\$195.00	\$95.00	\$145.00	--			\$1,570.00	\$0.00	\$1,570.00
TOTAL LABOR ESTIMATE	\$10,920	\$59,565	\$170,375	\$36,480	\$29,680	\$22,040	\$8,580	\$17,480	\$14,500	--		\$369,620.00	\$15,640.00	\$2,120.00	\$387,380.00

DOWL BA	\$10,329.70
DOWL BASE L	\$369,620.00
SUBCONSULTANT 3	\$532.80
Total Estimated Non-Contingency Costs =	\$399,812.50

ESTIMATED PROJECT COST (Base and Contingency) = \$424,572.50

DOWL EXPENSES	Design	
Task CE-03 Mileage (8320 miles from Medford at \$0.59/mile)		
Task CE-04 Mileage (16 trips @ 375 miles from Eugene @ \$0.585/mile RT)		
Task CE-04 Lodging (3 nights)		
Task CE-04 Per Diem (2 travel days and 2 full days)		
Task CE-04 Survey Recording Fee (6 pages)		
Totals	\$0.00	\$10,329.70

CONTINGENCY TASKS	Project Manager V	Project Manager III	Field Project Representative III	Field Project Representative IV	Project Controller	Engineer III	Professional Land Surveyor X	Survey Technician V	Senior CAD Drafter	0	TOTAL HOURS	TOTAL DOWL \$	DKS	GRI	TASK BUDGET
TASK CE-02 Location Surveying and Mapping															
CE-2.6 Design Modifications	5	15				15			25		60	\$ 9,250.00	\$6,030	\$0	\$15,280.00
CE-2.7 Claim(s) Support		32			2						48	\$ 9,480.00	\$0	\$0	\$9,480.00
Task Subtotal	5	47	0	0	2	15	0	0	25	0	108	\$18,730.00	\$6,030.00	\$0.00	\$24,760.00
TOTAL HOURS	5	47	0	0	2	15	0	0	25	0	108				
AVERAGE HOURLY RATES	\$195.00	\$165.00	\$145.00	\$160.00	\$140.00	\$145.00	\$195.00	\$95.00	\$145.00	#N/A			\$0.00	\$0.00	\$0.00
TOTAL LABOR ESTIMATE	\$975	\$7,755	\$0	\$0	\$280	\$2,175	\$0	\$0	\$3,625	#N/A		\$18,730.00	\$6,030.00	\$0.00	\$24,760.00
DOWL BA															\$0.00
DOWL BASE L															#N/A
SUBCONSULTANT 3															\$0.00
Total Estimated Contingency Costs =															\$24,760.00

TASK		Grade 43	Grade 37	Grade 28	Grade 18	Grade 17	Tech V	TOTAL HOURS				TASK BUDGET
TASK CE-01 Project Management of CA/CEI Services												
CE-1.1	Project Management and Coordination	1	5				5	11				\$2,140.00
Task Subtotal		1	5	0	0	0	5	11				\$2,140.00
TASK CE-02 Construction Contract Administration/Construction Engineering and Inspection (CA/CEI)												
CE-2.4	Working Drawings, Shop Drawings and Submittal Review		2	6	10		2	20				\$3,290.00
CE-2.5	Consultation During Construction		2	14	20		2	38				\$6,210.00
Task Subtotal		0	4	20	30	0	4	58				\$9,500.00
TASK 5 Utility Coordination												
CE-5.2	As-Constructed Plans		2	4	12	6	2	26				\$4,000.00
Task Subtotal		0	2	4	12	6	2	26				\$4,000.00
TOTAL HOURS		1	11	24	42	6	11	95				
AVERAGE HOURLY RATES		\$265.00	\$235.00	\$190.00	\$140.00	\$135.00	\$140.00					
TOTAL LABOR ESTIMATE		\$265	\$2,585	\$4,560	\$5,880	\$810	\$1,540					\$15,640.00

BASE EXPENSES = \$1,570.00
BASE LABOR COSTS = \$15,640.00

Total Estimated Non-Contingency Costs = \$17,210.00
TOTAL ESTIMATED PROJECT COSTS = \$23,240.00

EXPENSES	Design	Construction	
Lodging (1 night, 2 people, Ashland C		\$290	
Meals (2 days for 2 people)		\$320	
Airfare (2 people, PDX to MFR)		\$900	
Rental Car (Medford OR)		\$60	
Totals	\$0.00	\$1,570.00	\$1,570.00

CONTINGENCY TASKS		Grade 43	Grade 37	Grade 28	Grade 18	Grade 17	Tech V	TOTAL HOURS				TASK BUDGET
TASK CE-02 Construction Contract Administration/Construction Engineering and Inspection (CA/CEI)												
CE-2.6	Design Modifications	2	4	8	12	8	2	36				\$6,030.00
AVERAGE HOURLY RATES		\$265.00	\$235.00	\$190.00	\$140.00	\$135.00	\$140.00					
TOTAL LABOR ESTIMATE		\$530	\$940	\$1,520	\$1,680	\$1,080	\$280					\$6,030.00

CONTINGENCY EXPENSES = \$0.00
CONTINGENCY LABOR COSTS = \$6,030.00

Total Estimated Contingency Costs = \$6,030.00

TASK		Principal					TOTAL HOURS				TASK BUDGET
TASK CE-02	Construction Contract Administration/Construction Engineering and Inspection (CA/CEI)										
CE-2.2	Consultation During Construction	8					8				\$2,120.00
TOTAL HOURS		8	0	0	0	0	8				
AVERAGE HOURLY RATES		\$265.00	\$0.00	\$0.00	\$0.00	\$0.00					
TOTAL LABOR ESTIMATE		\$2,120	--	--	--	--					\$2,120.00

BASE EXPENSES = \$0.00
 BASE LABOR COSTS = \$2,120.00

Total Estimated Non-Contingency Costs = \$2,120.00
TOTAL ESTIMATED PROJECT COSTS = \$2,120.00