

RESOLUTION NO. 2334

A RESOLUTION OF THE CITY OF WILSONVILLE AUTHORIZING THE CITY ENGINEER TO EXECUTE THE PROFESSIONAL SERVICES AGREEMENT AMENDMENT WITH SAIC (FORMERLY RW BECK, Inc. TO PROVIDE OWNERS REPRESENTATIVE PROFESSIONAL SERVICES FOR THE WASTEWATER TREATMENT PLANT (WWTP) EXPANSION PROJECT - PHASE C

WHEREAS, pursuant to Resolution No. 2159, adopted on January 26, 2009, the City Council/Local Contract Review Board authorized the City Engineer to execute a Owner's Representative contract with R.W. Beck to provide professional services in Phases for the referenced project, with Phase A being in the amount of \$1,585,721 plus a contingency for other services that elevated the total authority to \$2,000,000; and

WHEREAS, pursuant to Resolution 2210, adopted November 2, 2009, the City Council/Local Contract Review Board authorized the City Engineer to execute an Owner's Representative contract with R.W. Beck to provide professional services for Phase B in an amount not to exceed \$2,399,460 for creation of a Design Build Operate detailed procurement strategy and technical approach; and

WHEREAS, the total cost of design and construction has been awarded to CH2MHill for the new WWTP for \$35,800,000 million and the adopted appropriation for FY 20011/12 is \$9,000,000 which includes the estimated cost of the Owners Representative Services for a portion of Phase C and initial bond expenditures; and

WHEREAS, this next phase (Phase C) of the Owners Representative Contract Scope of Work, a copy of which is marked Exhibit A, attached hereto and incorporated by reference herein, consists of the key tasks that will be implemented in order to provide oversight of the design, construction and commissioning of the expanded WWTP via the Design-Build-Operate (DBO) procurement. Phase C oversight services will ensure a multitude of performance guarantees, design and construction criteria as detailed in the DBO Scope of Services and the technical submittals are met; and

WHEREAS, R.W. Beck was acquired by the SAIC company in 2011; and SAIC has proposed to accomplish the Phase C of the professional engineering services for a time and materials fee, not to exceed \$2,383,090; and

WHEREAS, the general description of the all phases of work (Phases A, B, C & D) is shown in Exhibit A, a copy of which is attached hereto and incorporated by reference herein. While Phase C includes monitoring the selected DBO team to ensure compliance with the directives of the DBO service contract, adherence to the schedule and cost guarantees, adequacy and compliance with contractual and industry requirements for design and construction, Phase D is to include verification of approximately 2 years of post-construction operations to ensure the operations and maintenance performance requirements are likewise met; and

WHEREAS, any future Scope of Work Phases will be negotiated with SAIC and awarded at future Council meetings by the City Council/Local Contract Review Board; and

WHEREAS, the City does not have on staff personnel with the expertise required to perform the tasks detailed in the Scope of Service nor has depth of experience to oversee a single large infrastructure DBO contract; and

WHEREAS, staff has determined that the fees, as proposed by SAIC and major subcontractor Brown & Caldwell, are fair and reasonable based on the demonstrated experience with Phase A and B, SAIC's demonstrated strategic management of their staff, and the responsiveness of the Brown & Caldwell and other subconsultants to meet the aggressive design and construction schedule, and City staff's review of project pricing and performance of this team on other similar projects; and

WHEREAS, during the aggressive schedule of Phase A and B, SAIC, Brown & Caldwell and City staff were able to accomplish numerous tasks. Brown & Caldwell provided superb information on the performance of our existing WWTP, condition of our collection system and various technical memos which formed a detailed basis of design and capacity phasing approach; and

Whereas, the City advertised and successfully procured a competitive DBO team in 2010/2011 via the work of the existing Owner's Representative Consultant team at substantially reduced costs versus those estimated; and

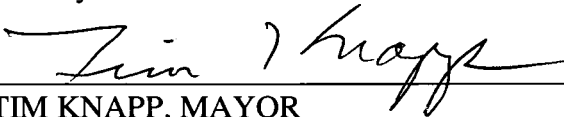
WHEREAS, continuation of SAIC and its subcontractors Brown and Caldwell to provide Owners Representation will provide vital continuity on the multi-year WWTP expansive project; and

WHEREAS, the City staff recommends that the City Council acting as the Local Contract Board authorize a Professional Services Agreement amendment with SAIC to provide Owners Representative Professional Services.

NOW, THEREFORE, THE CITY OF WILSONVILLE RESOLVES AS FOLLOWS:

1. The recitals of findings above are incorporated by reference herein as findings and conclusion of the City Council, acting as the Local Contract Review Board.
2. The City Council, acting as the Local Contract Review Board, does hereby find and conclude that the award of a PSA amendment for Owners Representative professional services, as set forth in Exhibit A from having been initially selected through a competitive process is exempt from the competitive process as a continuation contract, and further concludes this award will not diminish competition based on the competitive qualification process used and will result in substantial cost savings given the negotiated price, staff's experience with SAIC and its major subcontractor Brown and Caldwell, and staff's research into pricing and performance on other similar projects.
3. The City Council, acting as the Local Contract Review Board, does hereby approve and authorize the City Engineer to amend the Owners Representative Professional Services Agreement between the City of Wilsonville and SAIC, to provide the Owners Representative Phase C professional services recited within for the referenced project.
4. Subject to final completion of all improvements specified in the contract documents and any supplemental changes, the City Engineer is authorized to certify the required improvements complete and make final payment including release of retainage.
5. The City Engineer is authorized to approve change orders to this contract so long as total project costs do not exceed the Phase C budget amount of \$2,500,000 which includes the scope of consultant services plus an amount for contingency.
6. This resolution is effective upon adoption.

ADOPTED by the Wilsonville City Council at a regular meeting thereof this 21st day of November, 2011, and filed with the Wilsonville City Recorder this date.


TIM KNAPP, MAYOR

ATTEST:


Sandra C. King, MMC, City Recorder

SUMMARY OF VOTES:

Mayor Tim Knapp - Yes

Council President Núñez - Yes

Councilor Hurst - Excused

Councilor Goddard - Yes

Councilor Starr - Yes

EXHIBIT A
WWTP EXPANSION - OWNER'S REPRESENTATIVE
SCOPE OF WORK – PHASES C SERVICES

GENERAL

The role of the Owner's Representative is to ensure that the alternative contracting method of Design-Build-Operate (DBO) for the Wastewater Treatment Plant Improvements Design-Build-Operate Project (Project) is properly solicited and awarded through a competitive Request for Qualifications (RFQ)/Request for Proposals (RFP) process within the time constraints and that there is the expertise necessary to assist staff in the oversight and management of the DBO Agreement deliverables.

The Scope of Services for Phases A and B were negotiated previously and work initiated in January 2009. This Scope of Services is for Phase C.

Phase A – Background Documentation

The Phase A Scope of Services identified the overall project management approach, identified key technical information including asset inventory development, influent characterization, capacity assessment, odor control analysis, procurement strategy development, and RFQ development, and established the foundation of the DBO procurement process that was implemented in Phase B.

Phase B – Request for Proposals (RFP) Solicitation

In general, the Owner's Representative Phase B services included the development of the technical performance requirements and design requirements that formed the foundation of the RFP document as well as the DBO service contract. Based on the performance requirements, the Owner's Representative developed a three-volume RFP document consisting of the "front end", the draft DBO service contract and the technical appendices to the DBO service contract. Drawing on the analyses and findings of Phase A, Phase B involved the development of all performance criteria, design and construction standards, detailed DBO scope of service and technical submittal requirements as well as other contractual requirements as presented in the DBO service contract. Phase B also included the evaluation of proposals and negotiation of the service contract.

Phase C – DBO Agreement Monitoring

During Phase C, the Owner's Representative will monitor the selected DBO team to ensure 1) compliance with the directives of the DBO Agreement and its technical Appendices, 2) adherence to schedule and cost guarantees, and 3) adequacy and compliance with contractual and industry requirements for design and construction.

Future Phase D – Services During Commissioning and Warranty / Reporting

During Phase D, the Owner's Representative will oversee and verify the findings of the DBO team's acceptance testing efforts to ensure the upgraded facilities and processes are performing as designed and are able to meet the performance requirements. This also includes ongoing support related to equipment performance testing and reporting.

SCOPE OF SERVICES

SAIC (Consultant) will maintain responsibility for the delivery of all activities in the Scope of Services, but will allocate specific task and subtask responsibilities to Brown and Caldwell, a Subconsultant. In general, Brown and Caldwell will direct most subtask activities associated with Tasks 3.3 through 3.6.

Consultant agrees to perform this Scope of Services as requested by the City of Wilsonville (City) up to the cost limit identified in the project budget. On-call services shall be based on Formal Task Authorizations specifying the task scope, schedule, and budget, and be executed by both parties.

Consultant agrees that its team as proposed in the Statement of Qualifications (SOQ) submittal will be committed to the Project for its duration. In particular Kyle Rhorer will serve as the Project Manager for the duration of the Project. Any changes to the project team as proposed in the SOQ must be approved by the City per the provisions described in the Agreement.

SUBCONSULTANTS

In addition to Brown and Caldwell, the following Subconsultants will provide various technical supporting services throughout Phase C. The Subconsultants identified below will report directly to Brown and Caldwell.

- GeoDesign Inc. (Geotechnical)
- Pinnell-Busch (Primavera scheduling)
- Greenbusch Group (acoustics)
- Third Party Testing (construction inspection)

SUMMARY OF SCOPE OF SERVICES FOR PHASE C

- Project Management (3.1)
- Services Related to DBO Agreement Compliance (3.2)
- Services Related to Governmental Approvals (Permitting) (3.3)
- Review of CH2M HILL (Company) Deliverables Related to Operations and Maintenance and Asset Management (3.4)
- Services During Design (3.5)
- Services During Construction and Acceptance Testing (3.6)
- Potential Work / Contingency (3.7)

3.1 Project Management

Project Management is assumed to extend for a total of 31 months, which starts after the Transition Period and includes 5 months of design prior to the start of a 26 month construction period (including Acceptance Testing and Final Completion).

3.1.1 Team Management and Communication: Develop Project Management Workplan which includes Project scope, budget, schedule, staffing workplan, communications protocols, QA/QC standards, etc. Manage all Subconsultants on the team during the permitting, design, construction, start-up, Acceptance Testing, and Final Completion phases, directing the flow of information between Consultant team members and the City's Project Manager, and among Subconsultants, CH2M HILL (the Company), and City's internal and external legal counsel as well as other stakeholder groups as applicable. Communicate clearly and regularly with the City's Project Manager on the status of and issues affecting the Owner's Representative Scope of Services' scope, schedule, and budget during Phase C.

- 3.1.2 Monthly Invoices: Prepare monthly invoices in accordance with City requirements. Status reports shall accompany invoices. Monthly billing and status reports shall be clearly presented in an organized manner, with costs distributed among tasks and shall be submitted for payment no later than the 25th day of the following month.
- 3.1.3 Project Coordination Meetings: Plan, facilitate, provide agendas and notes and participate in periodic project coordination conference calls with the City throughout Phase C. (These conference calls are separate from the Monthly Progress Meetings held with the Company and the City, and do not include City Council meetings or other meetings with Governmental Bodies or project stakeholders, which are all included in other tasks.) Prepare action items and summaries of critical discussions and/or decisions.
- 3.1.4 QA/QC: Oversee and validate all work and deliverables, including those prepared by Subconsultants, in accordance with Owner's Representative's established Quality Assurance / Quality Control (QA/QC) methodology and Standards of Practice (SOP). Conduct a QA review of Subconsultant design review submittals under Task 3.5 to ensure they are appropriate for a DBO project.
- 3.1.5 Deliverables:
- Develop Project Management Workplan.
 - Monthly invoices and progress reports documenting work performed during billing period.
 - Attend or participate in periodic coordination/status meetings and/or conference calls with the City (assume bi-weekly conference calls over 31 months).
 - Appropriate written agendas, minutes, action items, and summaries/memoranda of critical discussions and/or decisions.
 - QA/QC of Subconsultant deliverables.

3.2 Services Related to DBO Agreement Compliance

The objective of this task is to assist the City with coordination, management and implementation of the DBO Agreement and to ensure general compliance with DBO Agreement by the Company and the City during the Design-Build Period. Consultant shall provide the City with ongoing assistance, as requested, related to interpretation of and compliance with the terms and conditions of the DBO Agreement. This task includes all such related services not specifically described in other tasks.

- 3.2.1 DBO Agreement Administration: Report to the City to assist with project management tasks for the Project. Consultant shall identify the oversight services for each technical discipline needed to complete the Project. Consultant shall be responsible for the tasks and services required to administer the DBO Agreement for the WWTP. Consultant shall ensure appropriate staff is available to provide the services indicated herein.
- 3.2.2 Document Control System Coordination: Attend one training course for the Company's document management software and confirm that the Company's established document control system and procedures for documenting communications and correspondence are similar to the City's system and otherwise acceptable to the City. Review examples of all forms modeled after the City's standardized forms that the Company shall be required to use to transmit and formalize all requests for information, clarifications, submittals, substitution requests, notifications, and other official project documents. Confirm that the Company is following the City's filing system.
- 3.2.3 Company's Document Submittal Protocol: Review and monitor the Company's document submittal protocol for compliance with the DBO Agreement and City

procedures. Compile comments from the City for return to the Company in accordance with the timeframe within the DBO Agreement. Review updates to the protocol and coordinate scheduling of reviews.

- 3.2.4 Meeting and Notice Procedures: Ensure established meeting schedules, notices, agendas, minutes taking, distribution procedures, reporting procedures, documentation requirements and timely acceptance processes are conducted by the Company in accordance with the DBO Agreement and City standard practices.
- 3.2.5 Company's Quality Management Plan (QMP) Review: Monitor and ensure the Company's performance in Quality Assurance/Quality Control (QA/QC) for all phases of the Company's work. Provide written comments to the City on the Company's QMP and updates (QA/QC Plans for Permitting, Design, Construction, and Operation) per the schedule within the DBO Agreement. Verify the Company's incorporation of comments into the final Quality Management Plan.

Monitoring and evaluation efforts include confirmation of results of the Company's QA/QC program through verification that the Company has properly tested materials to be incorporated into the work, survey checks, quality audits, and conduct quarterly audits of the Company's adherence to project procedures (e.g., QA/QC, document control, site management).

- 3.2.6 Safety Plan: Provide periodic monitoring for compliance of the Company's implementation of their safety and emergency procedures.
- 3.2.7 City Council Presentation Assistance: Prepare a quarterly report template as well as a routine 10-15 minute presentation to the City Council to be shared in an open City Council meeting four (4) times per year. This presentation will provide an assessment to the City Council with respect to the status of the Design Build Operate contract in terms of : schedule, costs, quality assurance, key issues being addressed, any regulatory hurdles, and when new capacity/functions will be commissioned at the upgraded WWTP.

Monitor the Company's preparation and coordination of various narratives regarding design, construction, testing activities, and progress conforming to City format, for use in City Council's monthly reports, work sessions, public hearings, and City staff presentations as requested by City staff. Assist the City by collecting construction data and preparing audio/visual aids for the City Council and outside agency presentations that will be made in conjunction with the City. When requested by the City, prepare and make reports and presentations before the City Council using visual aids.

- 3.2.8 Critical Path Method Schedule Reviews: Review and critique the Design-Build Work schedule and the Critical Path Method (CPM) schedule submitted by the Company. This subtask shall include:
- Examine the initial work sequence, durations, interim milestones, and other scheduling features in accordance with the requirements of the DBO Agreement.
 - Prepare a letter report summarizing the review comments and meet and discuss with the Company and the City.
 - Review the monthly updates to the Design-Build Work schedule and the CPM. Perform a review of progress accomplished during the month, compare it to the base CPM schedule, and discuss significant discrepancies with the DBO Agreement.
 - Establish the percent of completion of each element of the schedule, based on the data, and report to the City.
 - Meet with the Company monthly (see Task 3.2.10) to review and update the schedule data to resolve any discrepancies and agree on the estimate of progress completed.

- 3.2.9 Major Milestones and Company Invoices: Review preliminary major milestones and milestone payment schedule, including schedule of values (if applicable), prepared by the DBO Company in accordance with the DBO Agreement and provide comments to support the preparation of a final list of major milestones and schedule of values (if applicable) acceptable to the City to be used as the basis of monthly progress payments to the Company. Take into account the feasibility of field verification of milestone completion and ease of administration. Meet with the Company and the City to review the preliminary major milestones and proposed progress measurement.
- 3.2.10 Monthly Progress Meetings: Attend monthly schedule and progress payment meetings (Monthly Progress Meetings) with the Company. Coordinate the review of the Company's monthly progress payment requests (including Invoices and Supporting Documents indicated on Appendix 9, Exhibit 9-1 of the DBO Agreement) with City staff and prepare a recommendation stating the proper amount of payment. The result of the meetings shall be the progress payment estimate and the baseline schedule. Use the major milestones progress estimates as a basis for the recommendation. Review the Company's Monthly Progress Meeting Minutes. These Monthly Progress Meetings are expected to be combined with the monthly design progress and construction progress meetings described in later tasks.
- 3.2.11 Deliverables Tracking: Maintain a log to track required Company deliverables and City review times.
- 3.2.12 DBO Agreement Clarifications: Coordinate the DBO Agreement clarifications, including the following subtasks:
- Review and respond to questions regarding the technical or administrative requirements of the DBO Agreement and/or interpret administrative, technical, or design related questions.
 - Distribute DBO Agreement clarifications to appropriate staff and coordinate timely written response.
 - Assist the City in resolving the interpretations as they may arise during the Design-Build Period.
 - Inform the City when these questions or clarifications require the development of a Contract Administration Memorandums (CAM).
 - Develop a draft CAM and distribute for review by the City and the Company and coordinate its completion.
 - CAMs resulting in scope, schedule or cost changes to the DBO Agreement shall be documented in a Change Order.
- 3.2.13 Change Orders and Company Claims: Coordinate with City to expedite decisions on the need for Company scope changes as determined necessary to maintain the Project schedule. Manage and respond to all initial Company claims (up to 25 during the Design-Build Period). Acknowledge receipt of claims promptly, coordinate administration claims activities of the parties and provide validity and entitlement recommendation to City and/or Company. Assist the City with development of Change Orders or DBO Agreement Amendment.
- 3.2.14 Monthly Project Performance Report: Provide a brief monthly report to the City summarizing performance of the Company related to:
- monthly progress against approved schedule and identification of significant exceptions
 - budget
 - schedule status
 - construction status (as applicable)

- performance assessment
- record document updating
- health and safety reporting
- submittal logs
- government approvals status
- governmental violations
- CAMs
- deliverables
- change orders and
- scope variances.

This report shall include any analysis, critical issues, problem areas, technical concerns, and any accompanying recommendations regarding compliance with the DBO Agreement when appropriate. This report shall provide documentation for objective evidence of non-compliance with DBO Agreement identified under this task or subsequent tasks. Comment on other issues including change order status, claims status, and environmental issues as well as a summary of the Company's activity during the month.

3.2.15 Deliverables:

- Attend one four-hour training course (four people) for the Company's document management software
- Written comments regarding adequacy of the Company's document control system and submittal protocol.
- Comments on draft QMP and updates (QA/QC Plans for Permitting, Design, Construction, and Operation).
- Memoranda on Quality Program Documentation throughout the Project.
- Memoranda on Safety Plan monitoring for Company compliance.
- Provide quarterly reports for City staff to present to Council (8 assumed).
- Comments on initial and monthly Design-Build Work schedule and Critical Path Method schedule.
- Comments on the initial Milestones, schedule of values (if applicable) and Milestone Payment Schedule.
- Comments on the Company's monthly progress payment requests and monthly progress reports.
- Track the Company's progress on meeting submittal schedule commitments set forth in the DBO Agreement.
- Maintain and monitor tracking log for Company deliverables.
- Monthly Project Performance Report.
- Memoranda on contract interpretation of terms and conditions, as needed.
- Advise the City on issues affecting project schedule, budget or risk allocation and DBO Agreement implications of modifications suggested by the Company (technical modifications or suggested DBO Agreement modifications.)
- Assist in evaluating proposed changes and in defining and negotiating scopes and costs for DBO Agreement Amendments, as needed.
- Preparation of CAMs.
- Provide timely advice and assistance to the City on issues related to compliance with the terms of the DBO Agreement.
- Response to City questions.
- Review and address any uncontrollable circumstances claims by the Company.

- Assist the City in evaluating potential performance guarantee liquidated damages.
- Attend Monthly Progress Meetings (31 assumed) – may include various topics.

3.3 Services Related to Governmental Approvals (Permitting)

Consultant shall assist in monitoring the Company's Governmental Approval compliance activities. Consultant shall provide support and assistance to the City, who, as the WWTP and property owner, has an interest in maintaining an oversight and selected facilitator role in the Company's activities to obtain Governmental Approvals needed for construction and operation of the WWTP. Consultant shall primarily act in an oversight role, helping to assure that the Company's permitting and environmental mitigation activities are consistent with and meet the requirements of the DBO Agreement.

Key Governmental Approvals are listed on Table 6-1 within Appendix 6 of the DBO Agreement.

- 3.3.1 **Governmental Approval Application Review and Meetings:** Assist City in review of Governmental Approval applications and provide written comments to the City, attend permitting meetings with Governmental Bodies on an as-requested basis, and monitor design development activities for any issues that may affect the types of Governmental Approvals (permits) required. Monitor the Company's compliance with the Governmental Approvals.
- 3.3.2 **Environmental Protection Plan Monitoring and Review:** Monitor and review environmental protection plans required under the DBO Agreement such as:
 - a. Construction Plan - Draft
 - b. Odor Control Plan (included in Construction Plan) – Draft and Final
 - c. Traffic Management Control Plan (included in Construction Plan) – Draft and Final
 - d. Construction Spill Containment and Response Plan (included in Construction Plan) - Draft and Final
 - e. Dewatering Plan (included in Construction Plan) – Draft and Final
 - f. Erosion and Sediment Control Plan (included in Construction Plan) – Draft and Final
 - g. Regulated Substances Communications Plan
- 3.3.3 **Design Issues and Regulatory Changes:** Advise the City on any design issues or regulatory changes that could trigger the need for additional environmental review. Review any supplemental environmental review documents drafted by the Company.
- 3.3.4 **Field Investigations:** As needed, provide on-site observation of the Company's field investigations.
- 3.3.5 **Deliverables:**
 - Attend Governmental Approval (permitting) meetings with Governmental Bodies and documentation of issues that arise at such meetings (3 assumed).
 - Written comments on the Governmental Approval submittal packages prepared by the Company.
 - Written comments on environmental protection plans.
 - Memoranda on design issues or regulatory changes that could trigger additional environmental review.
 - Field reports for site visits, as needed (2, 2-day site visits assumed).

3.4 Review of Company Deliverables Related to Operations and Maintenance and Asset Management

Review submittals by the Company that are listed in Appendix 9, Exhibit 9-1, or the Company's updated Submittal Plan, which are not listed in any other sections of this scope, including:

- a. Electronic O&M Manual-Preliminary
- b. Electronic O&M Manual-Draft
- c. O&M Manual-Final
- d. Operation and Maintenance Plan Final-Pre-Acceptance
- e. O&M Plan-Draft Post-Acceptance
- f. O&M Plan-Final Post-Acceptance
- g. Monthly O&M Report (including Odor Control Practices) [part of O&M Plan]
- h. Annual O&M Report (including Annual Financial Report) [part of O&M Plan]
- i. Capacity, Management, Operations, and Maintenance Program Components specific to Lift Stations
- j. Emergency Response / Disaster Recovery Plan
- k. Inventory and Valuation documents
- l. Asset Management Plan - Draft Post-Acceptance
- m. Asset Management Plan - Final Post-Acceptance

Deliverables:

- Written comments on the Company's deliverables related to Operations and Maintenance and Asset Management including recommendations regarding compliance with the DBO Agreement.

3.5 Services During Design

Consultant shall assist the City with Design-Build Period activities as described in the WWTP Improvements DBO Agreement between the City and the Company. The City and Consultant acknowledge and understand that the City and the Company have entered into a primarily "performance-based" DBO Agreement. Within the parameters of the DBO Agreement, the Company is obligated to meet certain performance guarantees and to develop and maintain a facility that complies with certain quality, durability, longevity, operability, and reliability standards. With this in mind, Consultant shall provide support and assistance to the City, who, as the WWTP and property owner, has a fundamental interest in maintaining a review and oversight role in the design of the WWTP and development of key plans related to operations and asset management.

Consultant shall review the designated design submittals of the Company. The intent of the design review is to not alter the risk allocation set forth in the DBO Agreement, redesign the facility, or to provide value engineering. Rather, Consultant shall review the design to 1) identify risky elements of the design, 2) address whether the design is being conducted in accordance with applicable terms and standards (that is, standards set forth in the DBO Agreement) and generally accepted engineering practice, 3) identify all deviations or "fatal flaws" from the Technical Specifications and Construction Requirements of the DBO Agreement, and 4) advise the City if deviations or "fatal flaws" will or may adversely affect the WWTP's performance, reliability, longevity, durability, or other performance standards, considering that the City will maintain ownership of the WWTP and could, at some time in the future, operate it.

3.5.1 Design Package Review: Coordinate the design reviews and provide consolidated written comments to the City on each of four design submittals. Review Company responses to previous comments and verify that all comments have been addressed or incorporated into the design. It is assumed that the Pre-Design Report will be included

in the 30 percent design documents package. The following submittals listed on Appendix 9, Exhibit 9-1 will be reviewed for adherence to Technical Specifications in Appendix 4 of the DBO Agreement:

- 30 Percent Design Documents including BIM model (includes Pre-Design Report draft) (conducted under Phase B)
- Pre-Design Report - Final (conducted under Phase B)
- 60 Percent Design Documents including BIM model
- 95 Percent Design Documents including BIM model
- Building Permits Design Documents

3.5.2 Design-Related Plans Review: Coordinate, review, and provide comments on various design-related plans and other deliverables by the Company required under the DBO Agreement. Other deliverables are listed in Appendix 9, Exhibit 9-1 and include:

- a. Hydraulic Calculations-Draft
- b. Hydraulic Calculations-Final
- c. Biological Process Calculations
- d. Biosolids Management Plan
- e. Air Dispersion Modeling Protocol (revised)
- f. Air Dispersion Modeling Calculations and Results
- g. Effluent Temperature Plan including Temperature Modeling for Design of Cooling Tower
- h. Landscaping Plan-Draft
- i. Landscaping Plan-Final
- j. Stormwater Management Plan-Draft
- k. Stormwater Management Plan-Final
- l. Structural Calculations
- m. Electrical Calculations including Load, Conduit Sizing, and Short Circuit Study
- n. Instrumentation and control strategy document

3.5.3 Design Development Compliance: Monitor the design development for compliance with the DBO Agreement requirements and identify deviations from the DBO Agreement. This includes review of general terms regarding material and equipment quality and longevity, and DBO Agreement drawings.

3.5.4 Responses to Change Requests and Questions: Review any Company-requested changes and provide response to City questions regarding submittals.

3.5.5 Weekly Design Progress Meetings and Design Submittal Workshops: Attend weekly design progress meetings (it is assumed that one of these meetings per month will be combined with the Monthly Progress Meetings in Task 3.2); will respond to specific design-related questions from the City; and attend design submittal workshops for each design submittal package (including "over the shoulder" review of the BIM model led by the Company). Provide staff with technical expertise in wastewater treatment processes. Attend major meetings with building permit agencies.

Attend a design kickoff meeting (near the Commencement Date) and pre-construction conference. Record any recommendations or issues presented in meetings by the Company or other outside agencies. Review meeting minutes prepared by the Company in a format acceptable to the City and distribute to the City and the Company. Attend meetings with PGE and ETO as required.

3.5.6 Construction Date Compliance: Provide assistance to the City to help assure that the Company and the City have complied with Construction Date conditions in accordance

with Article X, Section 10.2 of the DBO Agreement. This will include a review of items prepared by the City as well as a review of related items submitted by the Company. Advise the City with respect to any request to waive Company obligations for establishing the Construction Date. Assist the City in preparing documents formalizing that City and Company obligations for establishing the Construction Date have been met.

3.5.7 Deliverables:

- Comments on design submittal packages (3 assumed) conformed among Consultant team and in the appropriate format.
- Comments on other design-related Company submittals (draft and final) listed herein.
- Memoranda identifying deviations from the DBO Agreement related to design development.
- Written responses to Company change requests and City questions on Company submittals.
- Attend weekly design progress meetings (15 assumed prior to Construction Date per Tasks 3.1 and 3.2; plus an additional 4 meetings to be combined with Monthly Progress Meetings).
- Attend design submittal workshops (3 assumed).
- Attend kickoff and pre-construction meetings.
- Meeting minutes as appropriate.
- Review of selected Construction Date Conditions documents.
- Memorandum on satisfaction of Construction Date Conditions by the City and the Company.
- Memoranda on other design-related Company compliance issues not included in other tasks.

3.6 Services During Construction and Acceptance Testing

Consultant shall assist the City with construction administration monitoring, contract management services and oversight during construction, including monitoring start-up activities, the Acceptance Test, and administrative closeout activities, for compliance with the DBO Agreement. Consultant shall assist the City with other contract compliance activities not included in Tasks 3.2 and 3.3.

3.6.1 Construction Site Visits and Weekly Progress Meetings: The Company will conduct monthly construction progress meetings with the City during the 26-month construction period, which are assumed to coincide with the Monthly Progress Meetings described in Task 3.2. Consultant shall attend a construction kickoff meeting and will attend monthly construction progress meetings in order to remain current with the general progress of the work and allow Consultant shall advise the City on issues that may arise during construction. Preparation for the meetings will include review of the Company's construction monthly reports prior to the monthly meeting, as well as discussions with City staff regarding any issues of concern. Verification of record drawing updates shall occur at this meeting.

In addition, Consultant will attend 3 additional weekly construction update meetings per month.

Consultant shall schedule site visits/observations to coincide with the Company's monthly construction meetings and with the Company and the City's Monthly Progress Meeting. Specialty observation services are described below.

- 3.6.2 Resident Observation and Inspection: Provide a Resident Observer (RO) and inspection team to provide field services. The RO shall observe the Company's activities to determine general compliance with the contract documents, document construction progress, coordinate communications between all parties, and coordinate with the Company to facilitate continuous WWTP operations during construction. Provide assistance with resolution of issues as needed. The RO shall coordinate and communicate with the City's office staff and others as needed using written documentation as appropriate.

Provide onsite representative at the WWTP Site responsible for observation of various elements of the Project, and verification of pay requests. At the request of the City, Consultant technical specialists (e.g., electrical; structural) may be asked to periodically visit the Site in order to become acquainted with specific construction progress issues and to provide technical support to the City's onsite representative. It is assumed that office space in a trailer or other building will be provided for Consultant staff and that no equipment other than a laptop computer will be provided under this scope.

- 3.6.3 Special Inspections: Provide the services of an independent firm to perform special inspection and testing as required by Chapter 17 of the International Building Code (IBC). Select firm after soliciting proposals based on the Company's design drawings from qualified local firms.

Company is required to coordinate special inspection with the Consultant and to provide any inspection and testing that in addition to Chapter 17 of the IBC have been included in the DBO agreement. Consultant shall monitor the Company's performance of QC inspection functions and coordination of inspection and testing by regulatory and third party agencies that have jurisdiction over the project.

Consultant shall review the reports and other information prepared by the special inspector. Assist in coordinating their schedules and the transmittal of their reports, findings or other information to the Company and/or the City. The Special Inspector will provide a Final Report to the Building Official as required by the IBC.

- 3.6.4 Safety: Prepare field work safety plan for use by Consultant. Consultant shall comply with the site safety plan administered by the Company.

- 3.6.5 DBO Deliverables Review: Coordinate and perform review and/or monitoring of DBO deliverables during construction and provide consolidated written comments. The following deliverables (listed in Exhibit 9-1 of Appendix 9) will be reviewed:

- a. Record Drawings
- b. Acceptance Test Plan – Draft and Final
- c. Proposed Final Punch List
- d. Major equipment submittals

- 3.6.6 Odor Control Review: Review odor control system performance data gathered by the Company during the design and construction phases.

- 3.6.7 Acceptance Test Conditions: The DBO Agreement includes a number of requirements (in addition to the Acceptance Test Plan) that must be met and formalized by the Company and the City prior to starting the 14-day Acceptance Test and in order to achieve Acceptance. Consultant shall specifically assist with the review, and/or confirmation of items required under Article XI of the DBO Agreement as requested by the City. Consultant shall advise the City with respect to any request to waive Company obligations prior to initiating the Acceptance Test and related to Substantial Completion, Final Completion and Acceptance. Consultant shall assist the City in preparing

documents formalizing that City and Company obligations at these stages have been met. These requirements include but are not limited to:

- Satisfaction of conditions required for Substantial Completion
- Satisfaction of conditions to Commencement of the Acceptance Tests
- Satisfaction of Acceptance Date Conditions
- Satisfaction of Final Completion Conditions

3.6.8 Assistance during Start-up and Acceptance Testing: Provide services related to the monitoring of start-up and Acceptance Testing, including:

- Final construction inspection and closeout
- Develop a monitoring plan for witnessing and reporting on start-up and preliminary testing
- Develop a monitoring plan for witnessing and reporting on the Acceptance Test
- Assistance and oversight with witnessing and reporting on the Acceptance Testing and start-up implementation
- Review and comment on the Company's Acceptance Test Report
- Make recommendations regarding acceptance of the WWTP
- Provide an opinion to the City regarding acceptance of the WWTP

3.6.9 Closeout Documentation. Review Final Completion deliverables, ensure the Company has met the requirements of the DBO Agreement regarding closeout documentation and developed documents necessary for operation and routine maintenance of the completed WWTP. Assure all contractually required spare parts are provided and stored appropriately by the Company. Ensure that project closeout deliverables are provided prior to final acceptance.

3.6.10 Deliverables:

- Attend monthly progress meetings and comment on the Company's Monthly Progress Reports (26 meetings assumed per Task 3.2; will be combined with Monthly Progress Meetings).
- Attend weekly construction progress meetings (assume 3 per month).
- Memoranda/evaluation of construction progress issues (10 assumed).
- Memoranda identifying deviations from the DBO Agreement related to construction.
- Site visit reports (10 site visits by technical specialists assumed).
- Phone memos, emails, memoranda, as necessary, documenting responses to questions raised by the City and to convey other field information as needed.
- Verification of pay requests.
- Provide and coordinate special inspections; review special inspection reports.
- Prepare field work safety plan.
- Review of selected documents necessary for Initiation of Acceptance Tests, Substantial Completion, Acceptance, and Final Completion.
- Memorandum on satisfaction of Conditions required for Initiation of Acceptance Tests, Substantial Completion, Acceptance, and Final Completion by the City and the Company.
- Review comments on draft and final plans/deliverables listed within this task.
- Review comments on odor control system performance data.
- Reports regarding start-up and Acceptance Testing (draft and final report assumed).
- Recommendations regarding acceptance of the WWTP.
- Review of all other Final Completion deliverables.

3.7 Potential Work

Both the City and Consultant acknowledge that the level of effort required during the Design-Build Period is difficult to estimate and will depend on the extent and type of issues that need resolution. The City acknowledges that it shall not expect Consultant to conduct work beyond its approved budget. If additional work is required that is not included in this task order for Phase C, an amendment for additional scope and budget would be negotiated. Such potential work could include:

- Attend additional building permit-related meetings beyond those defined.
- Attend additional environmental permitting meetings beyond those assumed.
- Technical specialist site visits in addition to those assumed.
- Assist with additional specialty-related construction oversight.
- Review of additional DCNs.
- Assistance should the City project managers need assistance or special expertise in the event of an accidental release of regulated substances on or near the site.
- Other assistance related to development oversight for the WWTP Improvements DBO Project.
- Technical assistance related to dispute resolution.
- Additional testing support beyond the 14-days required for Acceptance Testing.
- Additional special inspection.
- Assisting the City with Company claims if they progress to Non-Binding Mediation or to any judicial legal proceedings.

**CITY OF WILSONVILLE
WWTP EXPANSION DBO - OWNER'S REPRESENTATIVE SERVICES
PROJECT BUDGET - PHASE C SERVICES**

12-Oct-11

TASK / SUBTASK - PHASE C SCOPE OF SERVICES	Kyle Rhorer	Neil Callahan	John Christopher	Jessica Guerrette	Margaret Ales	Admin	SAIC Labor Hours	SAIC Labor Cost	SAIC Travel Expenses [^]	Subcontractor Labor Costs*	Subcontractor Expenses**	TOTAL COST
TASK 3.1 - PROJECT MANAGEMENT²	124	126	0	420	210	80	960	\$ 175,504	\$ -	\$ 99,596	\$ 1,200	\$ 276,300
3.1.1 Team Management and Communication	31			93			124					
3.1.2 Monthly Invoices	31			33	60	80	204					
3.1.3 Project Coordination Meetings	62			124			186					
3.1.4 QA/QC		126					126					
3.1.4 QA/QC of Subconsultant deliverables				170	150		320					
3.1.5 Included in subtasks above							0					
TASK 3.2 - SERVICES RELATED TO DBO AGREEMENT COMPLIANCE	530	0	100	917	150	0	1697	\$ 344,202	\$ 65,348	\$ 100,110	\$ -	\$ 509,660
3.2.1 DBO Agreement Administration	20			93	20		133					
3.2.2 Document Control System Coordination	2			10			12					
3.2.3 DBO Contractor's Document Submittal Protocol	2			10			12					
3.2.4 Meeting and Notice Procedures	2			15			17					
3.2.5 DBO Contractor's Quality Management Plan Review	2			8			10					
3.2.6 Safety Plan				2			2					
3.2.7 City Council Presentation Assistance	96			76	20		192					
3.2.8 Critical Path Method Schedule Reviews	31		60	31			122					
3.2.9 Major Milestones and DBO Contractor Invoices	31		40	80	20		171					
3.2.10 Monthly Progress Meetings	248			248	30		526					
3.2.11 Deliverables Tracking				40			40					
3.2.12 DBO Agreement Clarifications	40			80	30		150					
3.2.13 Change Orders and Company Claims	25			100			125					
3.2.14 Monthly Project Performance Report	31			124	30		185					
3.2.15 Included in subtasks above							0					
TASK 3.3 - SERVICES RELATED TO GOVERNMENTAL APPROVALS (PERMITTING)	0	0	0	44	0	0	44	\$ 6,708	\$ 6,324	\$ 44,617	\$ 500	\$ 58,149
3.3.1 Governmental Approval Application Review and Meetings				24			24					
3.3.2 Environmental Protection Plan Monitoring and Review				10			10					
3.3.3 Design Issues and Regulatory Changes				10			10					
3.3.4 Field Investigations							0					
3.3.5 Included in subtasks above							0					
TASK 3.4 - REVIEW OF DBO CONTRACTOR DELIVERABLES RELATED TO O&M AND ASSET MANAGEMENT			40				40	\$ 10,056	\$ -	\$ 79,660	\$ -	\$ 89,716
TASK 3.5 - SERVICES DURING DESIGN	14	0	50	60	0	0	124	\$ 25,990	\$ 8,432	\$ 320,140	\$ 42,100	\$ 396,662
3.5.1 Design Package Review			40				40					
3.5.2 Design-Related Plans Review							0					
3.5.3 Design Development Compliance	10		10	40			60					
3.5.4 Responses to Change Requests and Questions							0					
3.5.5 Weekly Design Progress Meetings							0					
3.5.6 Construction Date Compliance	4			20			24					
3.5.7 Included in subtasks above							0					
TASK 3.6 - SERVICES DURING CONSTRUCTION AND ACCEPTANCE TESTING	0	0	130	66	0	0	196	\$ 42,745	\$ 12,648	\$ 818,023	\$ 179,187	\$ 1,052,603
3.6.1 Construction Site Visits and Progress Meetings							0					
3.6.2 Resident Observation and Inspection							0					
3.6.3 Special Inspections							0					
3.6.4 Safety							0					
3.6.5 DBO Deliverables Review			40	16			56					
3.6.6 Odor Control Review							0					
3.6.7 Acceptance Test Conditions			40	20			60					
3.6.8 Assistance During Start-up and Acceptance Testing			40	20			60					
3.6.9 Closeout Documentation			10	10			20					
3.6.10 Included in subtasks above							0					
GRAND TOTAL	668	126	320	1507	360	80	3061	\$ 605,205	\$ 92,752	\$ 1,462,146	\$ 222,987	\$ 2,383,090

Notes:
¹ Anticipated labor costs at midpoint of construction period.
² Assumes Phase C duration of 31 months.
³ Per SAIC QA/QC policy. Additional QA/QC for subcontractor risk management (in lieu of subcontractor markup) calculated at 4% of B&C labor level of effort.
[^] See "SAIC Travel Assumptions" tab for assumptions
* See "Subcontractor Detail - B&C" tab for detailed breakdown. Includes subcontractor administration/oversight charges.
** Includes all travel, third-party services and other direct costs. See "Subcontractor Detail - B&C" tab for detailed breakdown

Subcontractor Detailed Budget
 Brown and Caldwell
 Name: Wilsonville Orep
 Name: Wilsonville, City of (OR)

RATES:	\$204.00	\$91.00	\$150.00	\$105.00	\$153.00	\$160.00	\$208.00	\$151.00	\$157.00	\$175.00	\$198.00	\$253.00	\$206.00	\$98.00	\$285.00	\$171.00	\$212.00	\$120.00	\$370.00	\$257.00		
TASK / SUBTASK - PHASE C SCOPE OF SERVICES	Moiseed, Art C	Rose, Lisa J	Bos, Randal J	Devin-Clarke, Dana C	Dummer, Catherine A	Falken, Eric J	Hansen, James R	Hildebrand, Max	Kelly, Richard T	Resident Observer/ Construction Specialist	Majsonville, Philip M	Melcer, Henryk	Murray, David s	Pare, Wendy M	Paulson, Bryan K	Ritter, Harry E	Smith, Mark M	Spolek, Shannon M	Warburton, Jack	Wilson, Steven A	Total Hours	Total Labor Effort
TASK 3.1 - PROJECT MANAGEMENT2	328.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	72.00	32.00	0.00	0.00	72.00	0.00	0.00	572.00	572.00
3.1.1 Team Management and Communication	48.00	24.00													8.00						80.00	80.00
3.1.2 Monthly Invoices	48.00	24.00																48.00			120.00	120.00
3.1.3 Project Coordination Meetings	192.00									10.00				48.00	16.00			12.00			278.00	278.00
3.1.4 QA/QC	40.00									10.00				24.00	8.00			12.00			94.00	94.00
Sub Total Task 3.1	66,912.00	4,368.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,500.00	0.00	0.00	0.00	7,056.00	9,120.00	0.00	0.00	8,640.00	0.00	0.00	99,596.00	99,596.00
TASK 3.2 - SERVICES RELATED TO DBO AGREEMENT COMPLIANCE	202.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	288.00	0.00	0.00	0.00	4.00	0.00	0.00	0.00	60.00	0.00	0.00	564.00	564.00
3.2.1 DBO Agreement Administration																					0.00	0.00
3.2.2 Document Control System Coordination	8.00	4.00								8.00								4.00			24.00	24.00
3.2.3 DBO Contractor's Document Submittal Protocol	8.00									8.00								4.00			20.00	20.00
3.2.4 Meeting and Notice Procedures										8.00								4.00			12.00	12.00
3.2.5 DBO Contractor's Quality Management Plan Review	4.00									24.00				4.00							32.00	32.00
3.2.6 Safety Plan										8.00											10.00	10.00
3.2.7 City Council Presentation Assistance	32.00	6.00								8.00											48.00	48.00
3.2.8 Critical Path Method Schedule Reviews	16.00									64.00											80.00	80.00
3.2.9 Major Milestones and DBO Contractor Invoices	32.00									60.00											116.00	116.00
3.2.10 Monthly Progress Meetings																		24.00			0.00	0.00
3.2.11 Deliverables Tracking																					32.00	32.00
3.2.12 DBO Agreement Clarifications	16.00									16.00											120.00	120.00
3.2.13 Change Orders and Company Claims	60.00									60.00											72.00	72.00
3.2.14 Monthly Project Performance Report	24.00									24.00								24.00			0.00	0.00
Sub Total Task 3.2	41,208.00	910.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50,400.00	0.00	0.00	0.00	392.00	0.00	0.00	0.00	7,200.00	0.00	0.00	100,110.00	100,110.00
TASK 3.3 - SERVICES RELATED TO GOVERNMENTAL APPROVALS (PERMITTING)	84.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	48.00	219.00	219.00
3.3.1 Governmental Approval Application Review and Meetings	36.00									8.00											60.00	60.00
3.3.2 Environmental Protection Plan Monitoring and Review	16.00									22.00						10.00					48.00	48.00
3.3.3 Design Issues and Regulatory Changes	16.00									5.00						2.00					24.00	24.00
3.3.4 Field Investigations	16.00									32.00						8.00					64.00	64.00
Sub Total Task 3.3	17,136.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11,725.00	0.00	0.00	0.00	0.00	0.00	3,420.00	0.00	0.00	0.00	12,336.00	44,617.00	44,617.00
TASK 3.4 - REVIEW OF DBO CONTRACTOR DELIVERABLES RELATED TO O&M AND ASSET MANAGEMENT	40.00	20.00	12.00	0.00	0.00	0.00	44.00	84.00	0.00	40.00	16.00	28.00	0.00	0.00	4.00	40.00	48.00	4.00	8.00	28.00	416.00	416.00
Review of DBO Contractor Deliverables related to O&M and Asset Management	40.00	20.00	12.00	0.00	0.00	0.00	44.00	84.00	0.00	40.00	16.00	28.00	0.00	0.00	4.00	40.00	48.00	4.00	8.00	28.00	416.00	416.00
Sub Total Task 3.4	8,160.00	1,820.00	1,800.00	0.00	0.00	0.00	9,152.00	12,684.00	0.00	7,000.00	3,168.00	7,084.00	0.00	0.00	1,140.00	6,840.00	10,176.00	480.00	2,960.00	7,196.00	79,660.00	79,660.00
TASK 3.5 - SERVICES DURING DESIGN	188.00	20.00	48.00	20.00	72.00	127.00	141.00	54.00	16.00	142.00	124.00	90.00	110.00	36.00	6.00	168.00	156.00	16.00	3.00	134.00	1,671.00	1,671.00
3.5.1 Design Package Review	40.00	16.00	24.00	20.00	60.00	85.00	85.00	40.00	16.00	85.00	100.00	32.00	60.00	16.00	4.00	100.00	90.00	16.00	0.00	90.00	979.00	979.00
3.5.2 Design-Related Plans Review	12.00		24.00			24.00	36.00					40.00	32.00	16.00			36.00			24.00	244.00	244.00
3.5.3 Design Development Compliance	40.00																36.00				76.00	76.00
3.5.4 Responses to Change Requests and Questions	16.00	4.00			4.00	8.00	8.00	6.00		13.00	8.00	6.00	6.00	4.00	2.00	20.00	10.00		3.00	8.00	126.00	126.00
3.5.5 Weekly Design Progress Meetings	68.00				8.00	10.00	12.00	8.00		20.00	16.00	12.00	12.00			12.00	20.00			12.00	210.00	210.00
3.5.6 Construction Date Compliance	12.00									24.00											36.00	36.00
Sub Total Task 3.5	38,352.00	1,820.00	7,200.00	2,100.00	11,016.00	20,320.00	29,328.00	8,154.00	2,512.00	24,850.00	24,552.00	22,770.00	22,660.00	3,528.00	1,710.00	28,728.00	33,072.00	1,920.00	1,110.00	34,438.00	320,140.00	320,140.00
TASK 3.6 - SERVICES DURING CONSTRUCTION AND ACCEPTANCE TESTING	1,080.00	52.00	24.00	0.00	0.00	48.00	44.00	56.00	8.00	2,459.00	104.00	72.00	56.00	18.00	0.00	46.00	260.00	8.00	0.00	64.00	4,399.00	4,399.00
3.6.1 Construction Site Visits and Progress Meetings	524.00	24.00	8.00			48.00	40.00	16.00	8.00	160.00	40.00	24.00	36.00			40.00	64.00			40.00	1,072.00	1,072.00
3.6.2 Resident Observation and Inspection	288.00									1,975.00											2,263.00	2,263.00
3.6.3 Special Inspections	16.00									80.00											96.00	96.00
3.6.4 Safety	12.00									16.00				12.00							48.00	48.00
3.6.5 DBO Deliverables Review	160.00	20.00								96.00	40.00									24.00	364.00	364.00
3.6.6 Odor Control Review	12.00	8.00															120.00				140.00	140.00
3.6.7 Acceptance Test Conditions	8.00		4.00				4.00	16.00		20.00	8.00	24.00	4.00	6.00		6.00	12.00		8.00		120.00	120.00
3.6.8 Assistance During Start-up and Acceptance Testing	40.00		12.00				24.00			72.00	16.00	24.00	16.00				24.00				228.00	228.00
3.6.9 Closeout Documentation	20.00									40.00											68.00	68.00
Sub Total Task 3.6	220,320.00	4,732.00	3,600.00	0.00	0.00	7,680.00	9,152.00	8,456.00	1,256.00	430,325.00	20,592.00	18,216.00	11,536.00	1,764.00	0.00	7,866.00	55,120.00	960.00	0.00	16,448.00	818,023.00	818,023.00
Total	392,088	13,650	12,600	2,100	11,016	28,000	47,632	29,294	3,768	527,800	48,312	48,070	34,196	12,740	11,970	46,854	98,368	19,200	4,070	70,418	1,462,146.00	1,462,146.00
	1922.00	150.00	84.00	20.00	72.00	175.00	229.00	194.00	24.00	3016.00	244.00	190.00	166.00	130.00	42.00	274.00	464.00	160.00	11.00	274.00	7841.00	1,462,146.00

Subcontractor Detailed Budget
 Brown and Caldwell
 Name: Wilsonville Orep
 Name: Wilsonville, City of (OR)

TASK / SUBTASK - PHASE C SCOPE OF SERVICES	Subconsultants					Outside Services			Other Direct Costs				Unit Pricing Effort			Total Expense Cost	Total Expense Effort	Total Task Effort		
	Geodesign	Greenbusch	Pinnell-Busch	Third Party Testing	Total Subs	Reproduction	Other - 1	Other - 2	Total Outside Services	Airfare	Lodging and Food	Other Travel	Misc.	Total Other Direct Costs	Company Vehicles				Equipment	Total Unit Pricing Effort
TASK 3.1 - PROJECT MANAGEMENT2																				
3.1.1	Team Management and Communication																			
3.1.2	Monthly Invoices																			
3.1.3	Project Coordination Meetings																			
3.1.4	QA/QC																			
	Sub Total Task 3.1																			
	0	0	0	0	0	0	0	0	0	0	0	1,200	0	1,200	0	0	0	1,200	1,200	100,796
TASK 3.2 - SERVICES RELATED TO DBO AGREEMENT COMPLIANCE																				
3.2.1	DBO Agreement Administration																			
3.2.2	Document Control System Coordination																			
3.2.3	DBO Contractor's Document Submittal Protocol																			
3.2.4	Meeting and Notice Procedures																			
3.2.5	DBO Contractor's Quality Management Plan Review																			
3.2.6	Safety Plan																			
3.2.7	City Council Presentation Assistance																			
3.2.8	Critical Path Method Schedule Reviews																			
3.2.9	Major Milestones and DBO Contractor Invoices																			
3.2.10	Monthly Progress Meetings																			
3.2.11	Deliverables Tracking																			
3.2.12	DBO Agreement Clarifications																			
3.2.13	Change Orders and Company Claims																			
3.2.14	Monthly Project Performance Report																			
	Sub Total Task 3.2																			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100,110
TASK 3.3 - SERVICES RELATED TO GOVERNMENTAL APPROVALS (PERMITTING)																				
3.3.1	Governmental Approval Application Review and Meetings																			
3.3.2	Environmental Protection Plan Monitoring and Review																			
3.3.3	Design Issues and Regulatory Changes																			
3.3.4	Field Investigations																			
	Sub Total Task 3.3																			
	0	0	0	0	0	0	0	0	0	0	0	500	500	500	0	0	0	500	500	45,117
TASK 3.4 - REVIEW OF DBO CONTRACTOR DELIVERABLES RELATED TO O&M AND ASSET MANAGEMENT																				
	Review of DBO Contractor Deliverables related to O&M and Asset Management																			
	Sub Total Task 3.4																			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79,680
TASK 3.5 - SERVICES DURING DESIGN																				
3.5.1	Design Package Review																			
3.5.2	Design-Related Plans Review																			
3.5.3	Design Development Compliance																			
3.5.4	Responses to Change Requests and Questions																			
3.5.5	Weekly Design Progress Meetings																			
3.5.6	Construction Date Compliance																			
	Sub Total Task 3.5																			
	20,000	2,000	0	0	22,000	0	0	0	0	12,000	1,000	6,000	0	19,000	0	0	0	41,000	42,100	362,240
TASK 3.6 - SERVICES DURING CONSTRUCTION AND ACCEPTANCE TESTING																				
3.6.1	Construction Site Visits and Progress Meetings																			
3.6.2	Resident Observation and Inspection																			
3.6.3	Special Inspections																			
3.6.4	Safety																			
3.6.5	DBO Deliverables Review																			
3.6.6	Odor Control Review																			
3.6.7	Acceptance Test Conditions																			
3.6.8	Assistance During Start-up and Acceptance Testing																			
3.6.9	Closeout Documentation																			
	Sub Total Task 3.6																			
	15,000	4,700	20,000	105,000	144,700	0	0	0	0	3,000	1,000	17,252	6,000	27,252	0	0	0	171,952	179,187	997,210
Total	35,000	6,700	20,000	105,000	166,700	0	0	0	0	15,000	2,000	24,952	6,000	47,952	0	0	0	214,652	222,987	1,685,133
					166,700.00				0.00					47,952.00				214,652.00	222,987.00	1,685,133.00

SAIC**Travel Expense Assumptions (Estimates only)****Assumed Phase C Duration = 31 months**

Item	Unit	Cost	Comments
Airfare	\$	350	Average refundable round-trip from Seattle or Oakland
Hotel	\$	250	Average nightly rate, single occupancy, including all taxes
Meals	\$	52	Per diem, per day, per person, including incidentals. Alcohol not charged to project.
Car rental	\$	100	Average daily rate, including required insurance
Other	\$	75	Average, per-day, parking, personal vehicle mileage, etc.

Estimated single trip cost (2 days) per person

Airfare	\$	350	
Hotel	\$	250	1 night
Meals	\$	104	2 days
Car rental	\$	200	2 day rental
Other	\$	150	2 days
Total	\$	1,054	

Assumed Trips per Phase C Tasks

Task	# Trips	# Staff per trip	Cost	Comments
3.1		2	\$ -	1 monthly on-site progress meeting, accompanied by on-site work
3.2	31	2	\$ 65,348	day prior or following
3.3	3	2	\$ 6,324	assume attendance at up to 3 of the 6 permitting meetings
3.4		2	\$ -	
3.5	4	2	\$ 8,432	additional meetings beyond the monthly progress meeting
3.6	6	2	\$ 12,648	additional meetings beyond the monthly progress meeting