



## METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY

### **Request for Mayoral Selection of A&E Firm RFQ 926580, Fine Bubble Aeration System Design and Construction Administration Services**

Metro received four (4) proposals for the A&E Review Board to consider. The Review Board submits for review and selection by the Mayor the top three (3) evaluated firms listed below in alphabetical order, accompanied by the Review Board's summary.

While it is acknowledged that the selection is solely that of the Mayor, it is the Review Board's recommendation that **Hazen and Sawyer** be considered for this project.

**A&E Firm:** CH2M Hill Engineers, Inc

**Strengths:** Detailed innovative approach to the project to provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; detailed project work plan for team's approach to the project; detailed organizational chart; detailed process on identifying local team members on the project and their involvement in the project; detailed risk mitigation plan; detailed quality management approach to the project; projects of similar size, scope, and complexity; detailed project elements; detailed description of team's knowledge and experience in designing fine bubble aeration systems of similar size and scope; detailed description of team's relevant project experience in wastewater design.

**Weakness:** Firm's approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system lacked detail; firm's policy for ensuring that the project will be environmentally friendly lacked detail; firm's design team's understanding of the scope of work lacked detail; firm's description of implementing design options to provide flexibility to the Whites Creek Waste Water Treatment Plant lacked detail; firm's approach for involving stakeholder's in the design process lacked detail; failed to provide team members working relationships on previous projects; failed to address critical path issues that could hinder the design process; failed to address firm's methodology for managing scope creep, schedule creep, and budget creep matters.

**MWBE Plan:** Proposed the engagement of Civic Engineering (WBE) for Surveying; and KS Ware & Associates LLC (WBE) for Geotechnical Investigation and Special Inspections.

**SBE/SDV Plan:** Pledged 20% participation of SBE/SDV over life of the project as required by the solicitation. Proposed the engagement of SBE subcontractors KS Ware and Associates LLC for Geotechnical Investigation and Special Inspections ; and LDA

Engineering for Site/Civil Design and Resident Project Representation (KS Ware and Associates LLC is also a MWBE).

**A&E Firm:** Hazen and Sawyer

**Strengths:** Detailed work plan; detailed aeration system process; detailed approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system; detailed innovative approach to the project to provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; detailed QA/QC chart; detailed quality management approach; detailed Gantt chart; detailed critical path approach to address issues that could hinder the design process; detailed risk mitigation plan; detailed statement of success on previous projects; projects of similar size and complexity; detailed description on lessons learned from similar projects in the past; detailed description of team's relevant project experience in wastewater design.

**Weaknesses:** Firm's description of implementing design options to provide flexibility to the Whites Creek Waste Water Treatment Plant lacked detail; team members working relationships on previous projects lacked detail; failed to discuss how non-local individuals will interface with local team members; failed to provide projects of similar scope; firm's information that documents the qualifications and experience on the tasks for the project lacked detail; failed to provide resumes for key individuals.

**MWBE Plan:** Proposed the engagement of Civil Infrastructure Associates, LLC (WBE) for Surveying and Civil / Site Design; and 360 Water (WBE) for Electronic O&M training.

**SBE/SDV Plan:** Pledged 20% participation of SBE/SDV over life of the project as required by the solicitation. Proposed the engagement of SBE subcontractors Civil Infrastructure Associates, LLC for Surveying and Civil / Site Design; and Teasley Services Group, LLC for Structural Design and On-site Inspection (Civil Infrastructure Associates, LLC is also a MWBE).

**A&E Firm:** Smith Seckman and Reid Inc

**Strengths:** Detailed approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system; detailed description of implementing design options to provide flexibility to the Whites Creek Waste Water Treatment Plant; detailed innovative approach to the project to provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; detailed approach for involving stakeholder's in the design process; detailed risk mitigation plan; detailed quality

management approach to the project; detailed critical path approach to address issues that could hinder the design process; relevant project experience of key individuals.

- Weaknesses:** Firm's project work plan that details the team's approach to the project lacked detail; firm's policy for ensuring that the project will be environmentally friendly lacked detail; failed to address team members working relationships on previous projects; failed to address local team members that will be working on the project; firm's team collaboration process on the project lacked detail; failed to address firm's methodology for managing scope creep, schedule creep, and budget creep matters; Gantt chart failed to identify the total number of calendar days for the project; firm submitted an illegible Gantt chart; failed to provide minimum required projects of similar size; firm listed reference projects where they were not the prime firm; previous project experience of team members working together lacked detail; failed to address lessons learned from similar projects; relevant project experience of team members lacked detail.
- MWBE Plan:** Proposed the engagement of Win Engineering (WBE) for Electrical Engineering; and Connico Inc. (WBE) for Construction Cost Estimates.
- SBE/SDV Plan:** Pledged 20% participation of SBE/SDV over life of the project as required by the solicitation. Proposed the engagement of SBE subcontractors Connico Inc. for Construction Cost Estimates; Civil Site Design Group, LLC for BioWin model; JV Engineering for Civil Engineering (Process Design); James Terry & Associates for Surveying; and Win Engineering for Electrical Design Connico Inc. and Win Engineering are also MWBEs).



## RFQ# 926580 Fine Bubble Aeration System Design and Construction Administration Services

Evaluation Criteria (Max Points)	CDM Smith	CH2M Hill Engineers, Inc	Hazen and Sawyer	Smith Seckman and Reid Inc
Project Approach and Process (15 Points)	10	8	14	13
Project Team Collaboration (15 Points)	10	12	13	9
Project Management (20 points)	12	15	18	15
Experience on Similar Projects (25 Points)	17	25	23	15
Qualifications and Experience (25 Points)	14	25	19	17
<b>Total (100 Points)</b>	<b>63.00</b>	<b>85.00</b>	<b>87.00</b>	<b>69.00</b>

### Strengths & Weaknesses

#### CDM Smith (63.00 Points)

**Strengths:** Detailed Gantt chart; detailed quality management approach; detailed project elements; detailed team member involvement in previous projects; projects of similar scope and complexity; detailed section regarding lessons learned from previous similar projects.

**Weaknesses:** Failed to demonstrate firm's innovation approach to the project that will provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; firm's policy for ensuring that the project will be environmentally friendly lacked detail; firm's approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system lacked detail; failed to describe how non-local individuals will contribute to the project; failed to provide previous project experience of team members working together; firm's risk mitigation plans lacked detail; failed to address critical path issues that could hinder the design process; failed to address firm's methodology for managing scope creep, schedule creep, and budget creep matters; failed to provide firm's success of previous projects; failed to provide minimum number of projects of similar size; failed to provide resumes of key individuals; team's relevant project experience in wastewater design lacked detail; firm's history with projects of similar size, scope, and complexity lacked detail; firm's documentation of sub consultants' qualifications and experience lacked detail.

#### CH2M Hill Engineers, Inc (85.00 Points)

**Strengths:** Detailed innovative approach to the project to provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; detailed project work plan for team's approach to the project; detailed organizational chart; detailed process on identifying local team members on the project and their involvement in the project; detailed risk mitigation plan; detailed quality management approach to the project; projects of similar size, scope, and complexity; detailed project elements; detailed description of team's knowledge and experience in designing fine bubble aeration systems of similar size and scope; detailed description of team's relevant project experience in wastewater design.

**Weaknesses:** Firm's approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system lacked detail; firm's policy for ensuring that the project will be environmentally friendly lacked detail; firm's design team's understanding of the scope of work lacked detail; firm's description of implementing design options to provide flexibility to the Whites Creek Waste Water Treatment Plant lacked detail; firm's approach for involving stakeholder's in the design process lacked detail; failed to provide team members working relationships on previous projects; failed to address critical path issues that could hinder the design process; failed to address firm's methodology for managing scope creep, schedule creep, and budget creep matters.

**Hazen and Sawyer (87.00 Points)**

**Strengths:** Detailed work plan; detailed aeration system process; detailed approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system; detailed innovative approach to the project to provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; detailed QA/QC chart; detailed quality management approach; detailed Gantt chart; detailed critical path approach to address issues that could hinder the design process; detailed risk mitigation plan; detailed statement of success on previous projects; projects of similar size and complexity; detailed description on lessons learned from similar projects in the past; detailed description of team's relevant project experience in wastewater design.

**Weaknesses:** Firm's description of implementing design options to provide flexibility to the Whites Creek Waste Water Treatment Plant lacked detail; team members working relationships on previous projects lacked detail; failed to discuss how non-local individuals will interface with local team members; failed to provide projects of similar scope; firm's information that documents the qualifications and experience on the tasks for the project lacked detail; failed to provide resumes for key individuals.

**Smith Seckman and Reid Inc (69.00 Points)**

**Strengths:** Detailed approach to evaluating and presenting a 2 pass fine bubble system verse a 4 pass system; detailed description of implementing design options to provide flexibility to the Whites Creek Waste Water Treatment Plant; detailed innovative approach to the project to provide a savings and improve the overall efficiency of the Whites Creek Waste Water Treatment Plant; detailed approach for involving stakeholder's in the design process; detailed risk mitigation plan; detailed quality management approach to the project; detailed critical path approach to address issues that could hinder the design process; relevant project experience of key individuals.

**Weaknesses:** Firm's project work plan that details the team's approach to the project lacked detail; firm's policy for ensuring that the project will be environmentally friendly lacked detail; failed to address team members working relationships on previous projects; failed to address local team members that will be working on the project; firm's team collaboration process on the project lacked detail; failed to address firm's methodology for managing scope creep, schedule creep, and budget creep matters; Gantt chart failed to identify the total number of calendar days for the project; firm submitted an illegible Gantt chart; failed to provide minimum required projects of similar size; firm listed reference projects where they were not the prime firm; previous project experience of team members working together lacked detail; failed to address lessons learned from similar projects; relevant project experience of team members lacked detail.

## PNP Compliance Results Form

**Department Name:** Water Services  
**RFP/ITB Number:** 926580  
**Project Name:** Fine Bubble Aeration Design and  
**Construction Administration Services - A&E**

Primary Contractor	PNP Compliant (Yes/No)	Determination Comments/% of Participation Proposed or Bid
Smith Seckman Reid, Inc.	YES	Proposer is compliant with the Procurement Nondiscrimination Program requirements having reached out to three certified MWBE firms as required by the Procurement Code. Proposed the engagement of Win Engineering (WBE) for Electrical Engineering; and Connico Inc. (WBE) for Construction Cost Estimates which is consistent with the Procurement Code, actual dollar amounts will be confirmed upon contract award.
Hazen and Sawyer	YES	Proposer is compliant with the Procurement Nondiscrimination Program requirements having reached out to three certified MWBE firms as required by the Procurement Code. Proposed the engagement of Civil Infrastructure Associates, LLC (WBE) for Surveying and Civil / Site Design; and 360 Water (WBE) for Electronic O&M training which is consistent with the Procurement Code, actual dollar amounts will be confirmed upon contract award.
CH2M Hill Engineers, Inc	YES	Proposer is compliant with the Procurement Nondiscrimination Program requirements having reached out to three certified MWBE firms as required by the Procurement Code. Proposed the engagement of Civic Engineering (WBE) for Surveying; and KS Ware & Associates LLC (WBE) for Geotechnical Investigation and Special Inspections which is consistent with the Procurement Code, actual dollar amounts will be confirmed upon contract award.

\*Denotes Contractor with whom follow up was required

Date: 06/07/16

Metro Buyer: Genario Pittman

BAO Rep: Flake Hudson

## BAO SBE Assessment Sheet

BAO Specialist: Flake Hudson

Contract Specialist: Genario Pittman

Date: 06/07/2016

Department Name: Water Services

RFP/ITB Number: 926580

Project Name: Fine Bubble Aeration System Design  
and Construction Administration Services - A&E

Primary Contractor:	SBEs approved?	Comments
Smith Seckman Reid, Inc.	YES	SBE/SDV Plan: Proposer pledged 20% participation of SBE/SDV over life of the project as required by the solicitation. Proposed the engagement of SBE subcontractors Connico Inc. for Construction Cost Estimates; Civil Site Design Group, LLC for BioWin model; JV Engineering for Civil Engineering (Process Design); James Terry & Associates for Surveying; and Win Engineering for Electrical Design which is consistent with the Procurement Code, actual dollar amounts will be confirmed upon contract award.
Hazen and Sawyer	YES	SBE/SDV Plan: Proposer pledged 20% participation of SBE/SDV over life of the project as required by the solicitation. Proposed the engagement of SBE subcontractors Civil Infrastructure Associates, LLC for Surveying and Civil / Site Design; and Teasley Services Group, LLC for Structural Design and On-site Inspection which is consistent with the Procurement Code, actual dollar amounts will be confirmed upon contract award.
CH2M Hill Engineers, Inc	YES	SBE/SDV Plan: Proposer pledged 20% participation of SBE/SDV over life of the project as required by the solicitation. Proposed the engagement of SBE subcontractors KS Ware and Associates LLC for Geotechnical Investigation and Special Inspections ; and LDA Engineering for Site/Civil Design and Resident Project Representation which is consistent with the Procurement Code, actual dollar amounts will be confirmed upon contract award.

## Column Headings

Shaded cells in columns E and G are formula driven and should not be changed

White cells with text are fields that you can edit.

Gray cells with bold text contain formulas that can not be changed.