

## **AGENDA**

### **THE COMMISSIONERS OF PUBLIC WORKS OF THE CITY OF SPARTANBURG, S.C. Meeting Place: 200 Commerce Street**

#### **REGULAR MEETING**

**Tuesday, August 22, 2023, 3:00 p.m.  
(or immediately following SSSD meeting)**

This is a regular meeting of The Commissioners of Public Works of the City of Spartanburg, S.C. Written notice of the date, time, and place for this meeting, along with the agenda, has been posted in the lobby and on the Spartanburg Water website, and copies have been forwarded to local and nearby news media (including Spartanburg Herald-Journal, The Spartan Weekly, Greenville News, The Greer Citizen, Hometown News, WSPA-TV 7, WYFF-TV 4, WLOS-TV 13, WHNS Fox Carolina, WORD News Radio, WOLT-FM Radio, Tribune Times, and the Times Examiner) at least 24 hours prior to this meeting.

**1. APPROVAL OF MINUTES OF REGULAR MEETING OF JUNE 27, 2023**

**2. MONTHLY FINANCIAL REPORT**

Cam Cole will present a financial summary of SWS expenditures and revenues for the twelve-month period ending June 30, 2023, and one-month period ending July 31, 2023.

**3. MASTER SERVICES AGREEMENT FOR PROFESSIONAL CIVIL ENGINEERING, ENVIRONMENTAL AND REGULATORY CONSULTING SERVICES**

Spartanburg Water System (SWS) recently requested a proposal from CDM Smith to provide a Master Services Agreement for professional engineering services on an as needed basis. CDM Smith specializes in a wide variety of disciplines related to the drinking water industry and Spartanburg Water has a long-standing relationship with CDM Smith.

Due to their qualifications and experience, as well as familiarity with water resource and environmental based planning, SWS is interested in establishing a Master Services Agreement for engineering services as needed.

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The proposed Master Services Agreement for professional services is based on a time and expense basis in accordance with an established schedule of fees.

Management recommends the Commission authorize the Chief Executive Officer to enter into a Master Services Agreement with CDM Smith for professional engineering services.

**4. PROFESSIONAL SERVICES FOR R.B. SIMMS WATER TREATMENT PLANT FILTER #7 REPAIR PROJECT**

Spartanburg Water owns, operates and maintains eleven dual media filters at its R.B. Simms Water Treatment Plant. Filter #7 is currently inoperable due to an underdrain failure. A forensic analysis by the manufacturer's representative and subject matter experts revealed grout separation at several anchor points at the bottom of a series of filter laterals. With Filter #7 out of service, available drinking water production capacity is reduced by 8.2 million gallons per day.

Staff recently requested a proposal from Black and Veatch, under an existing Master Service Agreement, to provide design, bidding, and construction administration services necessary to support a Capital Project that will return Filter #7 to service, and restore full drinking water production capacity to the R.B. Simms Treatment Plant.

Management recommends the approval of a professional services contract with Black and Veatch based on a lump sum amount of \$89,528. Funding will be provided from capital funds.

**5. RED HILL LANE – LANDRUM WATERLINE EXTENSION**

Bids were received August 10, 2023, for the installation of approximately 3,080 LF of 8-inch DI Pipe and associated water pipeline appurtenances. In addition, the selected contractor will also be responsible for re-establishing five water service line connections. The pipeline work is located along Red Hill Lane in Landrum and will improve system redundancy and fire protection.

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The Bid was advertised in the Herald Journal, SCBO, and on the SWS website. In addition, because of the anticipated cost of construction, staff invited all the prequalified contractors to submit a bid.

Bid information was distributed to 22 interested contractors. Bids received included:

<b><u>BIDDER</u></b>	<b><u>AMOUNT OF BID</u></b>
T.P. Howard’s Plumbing, Inc. Fairview, NC	\$357,000
HRH Engineering Services, LLC Chesnee, SC	\$427,660
Faulkner Development & Engineering, LLC Hickory Grove, SC	\$637,650

Management recommends the award of the contract for the Red Hill Lane – Landrum Waterline Extension project to T.P. Howard’s Plumbing, Inc., of Fairview, NC, in the amount of \$357,000. The project will be funded by the distribution system rehabilitation fund.

**6. WATER QUALITY REPORT**

Management will provide an update to the Commission on water quality.

**7. R.B. SIMMS WATER TREATMENT FACILITY IMPROVEMENTS – CHANGE NOTIFICATION FOR FINAL CONTRACT CLOSEOUT**

On October 23, 2018, the Commission approved the award of a Construction Manager at Risk (CMAR) contract with Harper Corporation General Contractors (Harper) for the R.B. Simms Facilities Improvements Project.

Amendments 1 and 2 to the CMAR contract were executed in December of 2019 for the early works portion of the project, which consisted of additional Alum Storage, the rehab of filter #10, and modifications to the existing filter valves and controls. These amendments allowed construction

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to begin while design of the intake, raw water main, and advanced oxidation system was finalized. Construction of these amendments was completed in April 2021.

On June 23, 2020, the Commission authorized the Chief Executive Officer to execute an additional amendment to the CMAR contract with Harper in an amount up to \$24,741,705.73. Through a collaboration process with Harper and HDR, staff continued to value engineer the design and equipment selection and eventually executed Amendments 3 and 4 with Harper for a Guaranteed Maximum Price (GMP) totaling \$23,996,744.73, which was \$744,961 less than the authorized amount. Amendment 3 was for the pre-purchase of pipe, fittings, valves, flow meter, and ozone equipment early submittals. Amendment 4 included the following upgrades to the water treatment facility:

- Construction of a new raw water intake with air burst system
- Construction of a new 70-inch raw water line
- Construction of a new raw water feed pump station to supply the Peroxone treatment system
- Construction of the Peroxone Equipment Building which houses the Ozone generators, mass transfer skids, power supply units, ozone destruct units, process chiller and chiller mixing tanks, hydrogen peroxide bulk storage tank, calcium thiosulfate bulk storage tank, and other necessary equipment.
- Construction of a Liquid Oxygen Bulk Storage Facility
- Construction of the Peroxone Sidestream injection system
- Modifications within the existing chemical control building for a new venturi flow meter and chemical injection points
- Controls, instrumentation, electrical modifications, miscellaneous site piping and related improvements.

Construction of Amendment 4 is nearing completion. Harper has submitted a Change Notification for the final contract closeout of Amendment 4 and the CMAR contract, in the amount of \$147,761.53. This change notification includes the following additions to the contract:

1. The fixed cost General Conditions included in Amendment 4 ran through June of 2022. Due to multiple delays from COVID and the resulting

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supply chain issues, work took place that required additional General Conditions, through July and August of 2022.

2. Additions and modifications to the ozone destruct line that included pipe rerouting, the addition of a check valve, and the addition of an air release valve on the raw water feed line. Most of this work was the result of a request from operations staff so that powder activated carbon could be fed through the new raw water intake in the event the ozone system needs to be taken off line.
3. Additions and modification to the degas towers, which included additional stiffening to the towers due to vibration.
4. Fire Hose additions to the Hydrogen Peroxide Bulk Tank deluge line.
5. Extending the builders risk insurance premium for an additional 11 months (9/8/22 thru 8/31/23).

The financial summary is listed below:

Original CMAR Contract (Pre-Construction Services)	\$ 85,000.00
Amendment 1 (Valve Purchase)	\$ 457,465.66
Amendment 2 (Early Works GMP)	\$ 3,601,920.34
Amendment 3 (pre purchase of pipe, fittings, valves, flow meter, and ozone equipment early submittals)	\$ 2,276,652.03
Amendment 4 (construction of the raw water intake, raw water main, and peroxone system)	\$21,720,092.70
Final Change Notification to Amendment 4	<u>\$ 147,761.53</u>
Total	\$28,288,892.26

Management recommends the Commission approve this Change Notification to Amendment 4 in the amount of \$147,761.53 to Harper Corporation General Contractors which will bring the total contract amount to \$28,288,892.26. The project is being funded by bond and capital funds.

**8. AGREEMENTS EXECUTED BY THE CHIEF EXECUTIVE OFFICER ON BEHALF OF THE COMMISSION**

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The following agreements have been executed on behalf of the Commission by the Chief Executive Officer in accordance with the resolution adopted by the Commission on January 26, 2023.

**A. Outside City Private Fire Service Agreements**

**(1) Libertas Academy**

Libertas Academy, located at 300 Rainbow Lake Road in Boiling Springs, wishes to connect an 8-inch water line to the Commission's 12-inch water line along Rainbow Lake Road to serve a private fire protection system, including two private hydrants, for a charter school. Libertas Academies wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$921.84

**(2) Upstate Corporate Park Building 1**

Upstate Corporate Park Building 1, located at 1120 East Mount Olive Road in Cowpens, wishes to connect a 6-inch water line to the Commission's 12-inch water line along East Mount Olive Road to serve a private fire protection system, including 14 private hydrants, for the above-mentioned warehousing facility. UCP Building 1 Owner, LLC wishes to enter into an agreement for this service.

Annual Stand-by Revenue - \$3,347.40

**9. PERMITS ISSUED AT THE RESERVOIR**

Applications have been submitted and all fees have been paid on the following Lake Agreements, associated with new construction and replacement.

- (1) Carroll R. Bishop and Mary A. Bishop**, desire to replace a dock on Lake Blalock.
- (2) Freddie S. Buckner and Sue C. Buckner**, desire to construct a dock and hard pathway on Lake Blalock.

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- (3) **James A. Davis and Charlotte A. Davis**, desire to replace a dock and construct a hard pathway on Lake Blalock.
- (4) **Marnee J. Dvorak and Cherrie Marie Dvorak**, desire to construct a dock and hard pathway on Lake Blalock.
- (5) **Thomas E. and Anne P. Johnston**, desire to replace a dock and construct a boat lift on Lake Blalock.
- (6) **Adrian L. Tuttle and Joanna L. Tuttle**, desire to construct a dock on Lake Blalock.
- (7) **Richard A. Westbrook**, desires to construct a dock and hard pathway on Lake Blalock.
- (8) **George Edward Bingham and Karen Bingham**, desire to construct a personal watercraft lift on Lake Bowen.
- (9) **Mike Birdno**, desires to construct a personal watercraft lift on Lake Bowen.
- (10) **Cynthia J. Jamison-Brashier**, desires to replace a dock on Lake Bowen.
- (11) **Jerry W. Daugherty (LE); Jerry Shayne Daugherty; Shannon Lance Daugherty, Monica Daugherty Hutcheson**, desire to construct a personal watercraft lift on Lake Bowen.
- (12) **Peter D. Donahue and Margaret E. Donahue**, desire to construct a personal watercraft lift on Lake Bowen.
- (13) **Gerald M. Forrester and Victoria B. Forrester**, desire to stabilize the shoreline on Lake Bowen.
- (14) **Michael and Elizabeth Green**, desire to replace a dock on Lake Bowen.
- (15) **Garret L. Heidenreich and Angela Marie Heidenreich**, desire to construct a personal watercraft lift on Lake Bowen.

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- (16) **Terry Hopper and Barbara Hopper**, desire to replace a dock on Lake Bowen.
- (17) **Jonathan Clark Howard and Melody Horton Howard**, desire to construct a boat lift on Lake Bowen.
- (18) **Bowman’s Truck and Equipment, Inc.**, desires to construct a boat lift and personal watercraft lift, and replace a dock on Lake Bowen.
- (19) **Viktor Kovalets**, desires to construct a boat lift and personal watercraft lift, and replace a dock on Lake Bowen.
- (20) **Earl L. Laseter, Jr. and Lisa L. Laseter**, desire to replace a dock on Lake Bowen.
- (21) **Yuen King Li and Kin Kueng Ip**, desire to construct a personal watercraft lift on Lake Bowen.
- (22) **Robert E. Pettis and Cheryl F. Pettis**, desire to construct a personal watercraft lift on Lake Bowen.
- (23) **Dwayne E. Pruitt**, desires to construct a boat lift on Lake Bowen.
- (24) **Ronn C. Radcliff**, desires to construct a personal watercraft lift on Lake Bowen.
- (25) **Jacqueline Sherrill, as Trustee or her successors in interest of the Jacqueline Stock Sherrill Living Trust**, desires to replace a dock on Lake Bowen.
- (26) **Sandra Vinson**, desires to construct a boat lift and replace a dock on Lake Bowen.
- (27) **Bradford Wright**, desires to replace a dock on Lake Bowen.
- (28) **James Galtieri**, desires to construct a dock on Lake Bowen.

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- (1) **Mitchell J. Randolph**, boat lift, dock replacement, and hard pathway on Lake Blalock.
- (2) **Thang T. Bui**, dock replacement on Lake Blalock.
- (3) **Gregory A. Weiss and Janine M. Weiss**, dock replacement on Lake Blalock.
- (4) **George Edward Bingham and Karen Bingham**, dock replacement and hard pathway on Lake Bowen.
- (5) **John G. Castro and Martha K. Castro**, boat ramp, dock replacement, hard pathway, and shoreline stabilization on Lake Bowen.
- (6) **Thomas and Carolynn Cullen**, dock replacement and hard pathway on Lake Bowen.
- (7) **Jonathan Clark Howard and Melody Horton Howard**, dock replacement on Lake Bowen.
- (8) **David Rice and Andrea Moore**, dock replacement and shoreline stabilization on Lake Bowen.
- (9) **Gregory S. Springsteen and Angela Ponder Springsteen**, dock replacement on Lake Bowen.

**10. CHIEF EXECUTIVE OFFICER REPORT**