



13-1187

**TITLE:** Consider/Discuss/Act on a Resolution Authorizing the City Manager to Execute a Contract with Birkhoff, Hendricks & Carter, L.L.P. to Provide Consulting Engineering Services for the SCADA Controlled Pressure Reducing Valve 850 PP to 794 PP Project and Authorizing any Supplemental Agreements

**MEETING DATE:** November 19, 2013

**DEPARTMENT:** Development Services/Engineering

**CONTACT:** Paul Tucker, PE, Senior Utility Engineer

**RECOMMENDED CITY COUNCIL ACTION:**

- Approval of Resolution.

**ITEM SUMMARY:**

- This Resolution authorizes the City Manager to execute a contract in the amount of \$35,680, as well as all required supplemental agreements thereto, with Birkhoff, Hendricks & Carter, L.L.P. (BHC) for professional consulting engineering services for the SCADA Controlled Pressure Reducing Valve 850 PP (Pressure Plane) to 794 PP Project, for a total aggregate contract amount, inclusive of any supplemental agreements, not to exceed \$40,000.

**BACKGROUND INFORMATION:**

- Per the 2012-2013 Water Master Plan, the pressure reducing valve (PRV) is recommended to supplement the 794 PP with additional water distribution capacity for future development projects until future water distribution improvements are completed and to provide a permanent backup connection between pressure planes.
- Birkhoff, Hendricks & Carter, L.L.P. submitted a response to 13-11RFQ for Minor Utility Design. They were one of seven firms shortlisted by City Council on February 5, 2013. They were selected from this group based on their availability to perform the project and their experience with similar projects in the DFW metroplex.

- Birkhoff, Hendricks & Carter, L.L.P. submitted a proposal for this project in the amount of \$35,680. Their scope includes the following elements:
  - Topographical and boundary survey including temporary and permanent easement preparation;
  - Geotechnical analysis of the site derived from a soil boring at the location of the vault;
  - Engineering analysis to size proposed PRV for required flow rate;
  - Design of PRV and appurtenances to include reinforced concrete vault, integral flow meter, control and monitoring system, downstream pressure transmitter, electrical system and service, and connections to existing water distribution system;
  - Integration of control and monitoring system into City's existing system;
  - Preparation of a complete bid package, including plans, specifications, and contract documents;
  - Bid phase assistance to the City; and
  - Construction phase assistance to the City.
- Construction of this project is estimated to cost approximately \$180,000 and is currently funded in the FY2014 Capital Improvement Program. Construction is anticipated to be complete in June 2014.
- Upon approval of the engineering services contract, BHC will prepare the design and provide administration services during construction.

**FINANCIAL SUMMARY:**

- This Resolution authorizes a contract with BHC, for an amount not to exceed \$40,000.
- Funds are available in the Capital Improvements Program in WA4206.

**BOARD OR COMMISSION RECOMMENDATION:** N/A

**SUPPORTING MATERIALS:**

[Resolution](#)  
[Location Map](#)