



CITY COUNCIL AGENDA ITEMS

To: Mayor Graham and City Council
From: Dennis Sullivan, Director of Engineering & Public Works and
Walter Denton, City Administrator
Date: September 6, 2005
Subject: RESOLUTION - Gateway Geospatial, LLC Professional Service,
Water System Data Collection – Hydrants, Valves & Meters

List of committees that have reviewed: None.

Background: When the City solicited bid proposals for the Remote Meter Read Installation Project we included a bid item for collection of hydrant, valve and water meters through the use of a GPS device. The bid requirement was for the data to be accurate to “sub-meter” accuracy level. PMI did collect a portion of the data desired by the City during the water meter installation process. However, the accuracy level of the data did not meet the City specification. Additionally, a significant portion of the points that the City desired to collect were not included in the submittal. Both the City and PMI (the Remote Read contractor) have come to the conclusion that it would be best for all concerned to have this item deleted from their contract and to proceed with having this data collected by professionals who work with this type of data on a daily basis.

As a result, the City solicited a professional service proposal from Gateway Geospatial, LLC to collect an estimated 17,100 to 22,200 data points for hydrants, valves and meters throughout our water distribution system. Gateway Geospatial submitted a price quote in July with prices for “sub-meter” and “sub-foot” accuracy for the estimated data collection points. This quote assumed use of rental GPS equipment with the “sub-foot” accuracy option for the entire data collect coming in at \$2.46 per point and the “sub-meter” accuracy option for the entire project coming in at \$1.90 per point. Since that time, Gateway Geospatial has secured a supplier who was willing to discount rented equipment due to the number of units they would need to accomplish this work in the 2 month project period. They have revised the quote for the “sub-foot” accuracy option to \$2.00 per point for a total point count above 17,000 and \$2.05 for a total point count of below 17,000 points. The proposal also includes a provisional rate of \$25/hour staff time and \$200/day equipment rental for follow up work on points that are not easily identifiable (e.g., buried valve locations).

Since the JULIE one-call system requires that a utility locate be made at an accuracy level of 18” +/-, we believe it is important to have our utility data mapped as accurate as economically possible. The original proposal and notice of amended price for “sub-foot” accuracy are enclosed

with this packet. Gateway Geospatial will resubmit the proposal with the amended collection costs included as referenced in this document and attachments.

Legal Considerations, if any: Normal contractual legal obligations.

Budget Impact: The total cost of this project is expected to be in the range of \$34,200 - \$44,400, contingent upon the total number of points actually collected.

Staff recommendation: Staff recommends authorizing this project with Gateway Geospatial for an amount not to exceed \$45,000.