



Travis County Commissioners Court Agenda Request

Meeting Date: December 3, 2013

Prepared By/Phone Number: Loren Breland, 854-4854

Elected/Appointed Official/Dept. Head: Cyd Grimes

Commissioners Court Sponsor: Judge Biscoe

Agenda Language: Approve Modification No. 1 to Contract No. 4400001660, SCS Field Services, for 290 East Landfill O & M Services.

- **Purchasing Recommendation and Comments:** Purchasing concurs with department and recommends approval of requested action. This procurement action meets the compliance requirements as outlined by the statutes.

This modification will add additional services to provide a Groundwater Investigation and Hydrogeologic Study at the 290 East Landfill. A preliminary groundwater investigation was done in 2010 to address Texas Commission on Environmental Quality (TCEQ) concerns for discharges to groundwater. The 2010 groundwater investigation resulted in direction from TCEQ that further groundwater investigation should be undertaken. Total cost for the Groundwater Investigation and Hydrogeologic Study is \$49,933.00.

This modification also changes the frequency of leachate sampling, laboratory analysis and reporting to the City of Austin Water and Wastewater utility from semi-annual to quarterly and adds approval to allow for subcontracting and equipment rental if needed for unscheduled maintenance and repairs.

- **Contract Modification Information:**

Modification Amount: \$49,933.00

- **Funding Information:**

SAP Funds Reservation #300000715.

Funding Account(s):

Comments:



TRANSPORTATION AND NATURAL RESOURCES

STEVEN M. MANILLA, P.E., COUNTY EXECUTIVE TNR

700 Lavaca, 5th Floor
Travis County Administration Building
PO Box 1748
Austin, Texas 78767
(512) 854-9383
FAX (512) 854-4697

November 21, 2013

MEMORANDUM

TO: Cyd Grimes, County Purchasing Agent

FROM: Steven M. Manilla P.E., County Executive, TNR

SUBJECT: **Contract Modification - SCS Field Services**
Contract 4400001660

TNR requests that Travis County modify the above mentioned contract to include additional one time services as indicated in the attached proposal. This modification will include labor and expenses needed to conduct a groundwater investigation and hydrogeological study at the 290 Landfill. Additional details for this modification are provided in the attached proposal.

In addition, TNR requests that the contract be modified to allow for the use of subcontractors and equipment rental by the current contracted vendor and to include additional testing as required by the City of Austin Wastewater Discharge Permit.

The funds for this modification are encumbered under funds reservation 300000715.

If you have any questions or require additional information please contact Christina Jensen at 854-7670 or Keith Coburn at 854-5866.

cc: Loren Breland, Purchasing
Keith Coburn, TNR
Thomas Weber, TNR
TNR Financial Services

Attachment: SCS Proposal 160131213
City of Austin Letter

Solid Waste Management
Consultants
Offices Nationwide

Dallas / Fort Worth Office
1901 Central Drive, Suite 550
Bedford, Texas 76021

817-571-2288 Main
800-579-6671
817-571-2188 FAX

SCS ENGINEERS

October 16, 2013

SCS Proposal No. 160131213

Ms. Vicky Kennedy
Environmental Project Manager
Travis County Transportation and Natural Resources
411 W. 13th Street, 11th Floor
Austin, Texas 78701

Subject: Travis County Landfill – Austin, Texas
Proposal for Groundwater Investigation and Hydrogeologic Study

Dear Vicky:

SCS Engineers (SCS) is pleased to provide this proposal for a groundwater investigation as described below at the Travis County Landfill (Site). Details related to project background, scope, schedule, assumptions, and costs are provided below.

OBJECTIVE

The objective of this groundwater investigation is to characterize the groundwater conditions at the Travis County landfill, determine the source and flow pattern of groundwater up gradient from the landfill, and to determine the relationship between groundwater and the landfill, especially related to leachate production. Therefore, Travis County seeks professional services with expertise in geoscience, groundwater properties, groundwater monitoring, groundwater monitoring well installation, and groundwater systems relating to landfills.

BACKGROUND

The US 290 closed landfill is Travis County's largest landfill and was operated from 1968-1982. The landfill has been closed for 31 years and was closed in compliance with municipal solid waste regulations in effect at the time. Travis County Transportation and Natural Resources (TNR) operates an ongoing leachate collection system at the landfill to help prevent surface seepage and unauthorized discharges to surface waters. The leachate collection system was part of a remediation project completed by Western Waste Contractors in 1995. The construction included access roads, recapping selected areas, erosion control, topsoil and revegetation, drainage improvements, and 19 (now 13) leachate extraction wells. Although Travis County does not own the land, as the past operator of the landfill, it is responsible for maintaining the site in compliance with all regulations applicable to closed landfills through a license agreement with the landowner.

The non-hazardous leachate is collected and discharged into the City of Austin's (COA) sewer system. However, since closure, the landfill has produced more leachate than expected from a landfill of its type and size. This is most likely the result of the inappropriate siting of the landfill atop areas of natural groundwater seepage and also due to infiltration of storm water through the cap. Also, the

COA operates a large water storage tank located adjacent to, and up gradient of the landfill site that may be contributing excess flow of water to the landfill. This possibility was discounted in earlier studies because of a small creek that runs between the water storage tank and the landfill which is thought to intercept any water originating from the storage tank. The COA was contacted again recently in efforts to obtain data on any leak or water line repairs near the landfill. Road construction employees working on the Hwy 290 road improvements reported that water line leaks had been repaired during the ongoing construction. Although the COA has repaired some lines and leaks near the Hwy 290 road construction, the data collected from the COA was not specific enough to quantify leak volumes. However, since the beginning of 2013 leachate volumes collected at the landfill have fallen dramatically.

In response to a Texas Commission on Environmental Quality (TCEQ) Notice of Violation (NOV) in 2009, TNR completed a significant project to improve the landfill cap by placement of low permeability clay to reduce seepage into the landfill, revegetation in areas of exposed soil, and drainage improvements to prevent ponding of water. A preliminary groundwater source investigation (2010) was done to address TCEQ's concerns for discharges to groundwater. The conclusions of the report indicated that upgradient, percolating groundwater may be flowing laterally into the landfill and is then being extracted by the leachate extraction system. The groundwater investigation resulted in direction by TCEQ that further groundwater investigation should be undertaken by TNR to verify the preliminary conclusions. TCEQ agreed this further study would be appropriate to delay until finishing the final cover maintenance plan.

SCOPE OF SERVICES

The scope of services to address the above-described issues has been separated into four tasks.

Task 1.0 – Review Existing Data

- 1.1 SCS shall review publically available records filed with TCEQ to compile data on groundwater elevations recorded at the Waste Management site adjacent to the landfill to assist in the assessment of potential impacts to the landfill.
- 1.2 SCS shall review available geology/hydrogeology for the surrounding area, and review previous studies and available well logs to become familiar with the geologic setting of the area.
- 1.3 SCS shall perform a site visit to examine surface features at the site.

Task 2.0 – Summary of Existing Data

- 2.1 Within 30 days of the notice to proceed from Travis County, SCS shall submit a summary of findings from Task 1.0 and submit to TNR staff for review.

Task 3 – Monitoring Wells

- 3.1 Within 14 days of completion of task 2.0, SCS shall propose the locations for an appropriate number of up gradient sites and monitoring wells to adequately characterize groundwater flow.
- 3.2 SCS shall confer with TNR staff on proposed locations before construction begins.

- 3.3 Wells should be located along US Hwy 290 and along the northeast property boundary to assess any seepage coming from the Waste Management site. The number of wells at each location should be determined after review task 1.1 and 2.1 have been completed, but shall be coordinated with TNR staff.

Task 4 – Construction of Monitoring Wells

- 4.1 Within 30 days of approval of well locations, contractor shall install six 2-inch monitoring wells in accordance with the TCEQ standards for construction and development found in 30 TAC 330.421.
- 4.2 The installation of monitoring wells shall be supervised by a qualified geoscientist who will log the borings using cuttings to document soil characteristics.
- 4.3 Protective casing and locking well caps will be installed to protect the wells from vandalism and accidental damage.
- 4.4 Wells will average 75 feet in depth, or as site conditions require after review of the site geology.
- 4.5 SCS shall perform specific yield testing on wells to assess the hydrogeology of the site and investigate the water yielding capacity of the soils in each area.
- 4.6 SCS shall record all water level measurements, after each well has stabilized. Following one week after installation, the County will provide any additional water level measurements that the County would like incorporated into the study.

Task 5 – Field Surveys

- 5.1 SCS shall provide surveying services to include a registered Professional Land Surveyor (RPLS) to conduct pre-installation and post-installation surveying using the NAD83 standard, to establish latitude, longitude and relevant elevations to the nearest one-hundredth of one foot for the six well locations. All monitoring wells must be surveyed to the top of the casing and ground level elevations.

Task 6 – Report of Investigation

- 6.1 Within 30 days of final level measurement, SCS shall prepare a final report of the groundwater investigation and submit it to TNR.

SCHEDULE

SCS is prepared to commence the above-described scope of services within two weeks of receiving a notice-to-proceed from the County. The actual date for commencing the project will be confirmed with the County in advance. The field work, which is expected to be done concurrently or consecutively, should be accomplished within one week of starting.

ADDITIONAL ASSUMPTIONS AND CONDITIONS

In addition to any assumptions or conditions indicated above, SCS has made the following assumptions during preparation of this proposal:

1. Weather and site conditions will be suitable for commencement and completion of field activities in accordance with the proposed schedule.
2. Conditions will be suitable for performing all required field activities with only Level D personal protective equipment.
3. Pre- and post-construction meetings with County personnel are not included in this fee.
4. Costs are based on all tasks being performed concurrently or consecutively. If the County decides not to do one or more of the tasks, then the costs for the remaining tasks will need to be re-estimated.
5. No submittals of documentation related to the project to any regulatory agencies before, during, or after providing the described services have been accounted for.
6. At no time shall the title to any hazardous substances, solid wastes, petroleum contaminated, or other regulated substances pass to SCS, nor shall any provision of an ensuing agreement between SCS and the County be interpreted to permit SCS to assume the status of “generator,” “transporter,” “arranger,” or “treatment, storage or disposal facility” under state or federal law.
7. The project will be performed as an extension of our existing contract with the County.
8. SCS will take reasonable measures to ensure adequate site conditions at the start of the project, including consulting with TNR. If subsequent weather-related field conditions require demobilization, this will be an additional service.
9. It is assumed that TNR will provide access to the well locations so that work vehicles can reach this location without delay.
10. TNR agrees to inspect the proposed location prior to installation, to verify clearance from their operations.
11. SCS will measure water levels during the installation process and approximately one week after installation. The County will provide water-level measurements after one week of well installation, for any additional data the County wishes to be incorporated into the study.

COST ESTIMATE

SCS proposes to do the above-indicated work on a time-and-materials basis for the not-to-exceed costs shown in the table below. Individual tables showing how these costs were determined for each task are enclosed.

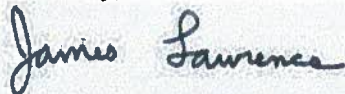
Task No.	Task Name	Task Cost
1	Review Data	\$4,002
2	Summary Report of Existing Data	\$3,265
3	Monitoring Well Design	\$4,044
4	Monitoring Well Construction and Hydrogeologic Testing	\$30,002
5	Site Survey	\$4,440
6	Final Report	\$4,180
Total		\$49,933

The above estimates include costs for project management and administration, labor, equipment and materials, and vendor services assumed necessary for completion of the work. The actual allocation of labor and reimbursables for each task may vary from that shown in the above table; however, for the indicated scope, the cost will not exceed the above indicated amount for the total project. If the County finds this proposal acceptable, then we will anticipate receiving a purchase order for the above amount.

CLOSING

SCS appreciates this opportunity to be of continued service to the County. Please contact Rusty Fusilier at telephone number (512) 750-5446 if you have any questions or comments related to this proposal.

Sincerely,



James Lawrence, P.G.
Project Manager
SCS ENGINEERS



Rusty Fusilier, P.E.
Project Manager
SCS FIELD SERVICES

MODIFICATION OF CONTRACT NUMBER: 4400001660, 290 Landfill O&M Services PAGE 1 OF 6 PAGES

ISSUED BY: PURCHASING OFFICE 314 W. 11TH ST., RM 400 AUSTIN, TX 78701	PURCHASING AGENT ASST: Loren Breland TEL. NO: (512) 854-9700 FAX NO: (512) 854-9185	DATE PREPARED: November 22, 2013
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ISSUED TO: SCS Field Services 6006 East Ben White Blvd., Suite 200 Austin, TX 78741 Attn: Rusty Fusilier	MODIFICATION NO.: <p style="text-align: center;">1</p>	EXECUTED DATE OF ORIGINAL CONTRACT: <p style="text-align: center;">September 17, 2013</p>
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ORIGINAL CONTRACT TERM DATES: September 22, 2013 – September 21, 2014 CURRENT CONTRACT TERM DATES: September 22, 2013 – September 21, 2014

FOR TRAVIS COUNTY INTERNAL USE ONLY:
 Original Contract Amount: \$ _____ Current Modified Amount \$ _____

DESCRIPTION OF CHANGES: Except as provided herein, all terms, conditions, and provisions of the document referenced above as heretofore modified, remain unchanged and in full force and effect.

This contract is hereby modified to add Groundwater Investigation and Hydrogeologic Study. Groundwater Investigation and Hydrogeologic Study Final will be provided as per the attached Scope of Services.

Groundwater Investigation and Hydrogeologic Study \$49,933.00

City of Austin Water and Wastewater leachate sampling, laboratory analysis and reporting is changed from semi-annually to quarterly.

Approve use of sub-contracting and equipment rental if needed for unscheduled maintenance and repairs.

Note to Vendor:
 XX Complete and execute (sign) your portion of the signature block section below for all copies and return all signed copies to Travis County.
 DO NOT execute and return to Travis County. Retain for your records.

LEGAL BUSINESS NAME: _____ BY: _____ SIGNATURE BY: _____ PRINT NAME TITLE: _____ ITS DULY AUTHORIZED AGENT	<input type="checkbox"/> DBA <input type="checkbox"/> CORPORATION <input type="checkbox"/> OTHER DATE: _____
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TRAVIS COUNTY, TEXAS BY: _____ CYD V. GRIMES, C.P.M., TRAVIS COUNTY PURCHASING AGENT	DATE: _____
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TRAVIS COUNTY, TEXAS BY: _____ SAMUEL T. BISCOE, TRAVIS COUNTY JUDGE	DATE: _____
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Solid Waste Management
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SCS ENGINEERS

October 16, 2013

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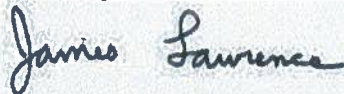
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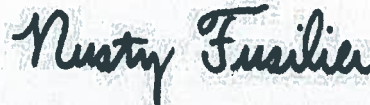
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James Lawrence, P.G.
Project Manager
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Rusty Fusilier, P.E.
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SCS FIELD SERVICES