

AGENDA ITEM 18

Consider approving proposal for geotechnical engineering services for East Williamson County Park Facility.

Moved: **Commissioner Limmer**

Seconded: **Judge Doerfler**

Motion: To approve a proposal from Patton, Burke & Thompson, LLC for geotechnical engineering services for the East Williamson County Park facility.

Vote: 4 - 0

< Attachment >



2600 McHale Court, Suite 180

Austin, Texas 78758

512.832.8883

FAX 512.832.8886

February 26, 2002

Williamson County
c/o Fisher Hagood, Inc.
One Chisholm Trail, Suite 5200
Round Rock, Texas 78681

Re: **Proposal For Geotechnical Engineering Services
Williamson County Park
SH 95 @ FM 397; Taylor, Texas
PBT Proposal No. 2002-029**

Dear Mr. Fisher:

Patton, Burke & Thompson (PBT) is pleased to submit this proposal for geotechnical engineering services for the subsurface investigation for the above referenced project. Based on your facsimile dated February 21, 2002, we understand that you desire a total of eight borings within the footprint of the proposed structures, five borings within the proposed retention ponds and a total of twelve borings within the areas of the proposed pavement and parking areas. We also understand that the proposed structures are to be single-story steel-framed buildings.

SCOPE OF WORK

The following describes the scope of work we propose and the assumptions we have made regarding the site requirements:

Field Investigation

- One (1) exploratory boring within the footprint of the proposed pavilion to extend to twenty-five feet below existing grade,
- Two (2) exploratory borings within the footprint of the proposed pavillion to extend to twenty feet below existing grade,
- Two (2) exploratory borings within the footprint of the proposed recreation center to extend to twenty-five feet below existing grade,
- Three (3) exploratory borings within the footprint of the proposed recreation center to extend to twenty feet below existing grade,
- A total of five (5) exploratory borings within the area of the two proposed retention ponds to extend to twenty feet below existing grade, and

- A total of twelve (12) exploratory borings within the area of the proposed parking and pavement areas to extend to five feet below existing grade;

Laboratory Testing

- Moisture contents to determine existing profiles of moisture variation,
- Atterberg limits for classification of soils and to estimate moisture absorption potential,
- Unconfined compression tests to evaluate soil and/or rock strengths,
- Percent Passing the #200 Sieve,
- Swell Tests with load-backs to estimate potential vertical movement characteristics of the soils,
- Permeability Testing of soils to determine suitability for use as retention pond liner material, and
- Laboratory testing for arsenic levels in on-site soil materials

Engineering Analysis

- Generalized soil conditions and measured groundwater levels, if applicable
- Suitable foundation type(s) and bearing depths for the building structure
- Recommended allowable bearing pressures,
- Potential foundation heave/settlement estimates,
- Site grading considerations,
- Pavement subgrade recommendations
- Geotechnical foundation design parameters for the structure and pavement

Assumptions Regarding Site

- Boring locations accessible by a truck-mounted drill rig and free of underground obstructions,
- Bedrock will not be encountered,
- No utilities in the areas of the borings, and
- Borings drilled during normal working hours.

SCHEDULE AND COST

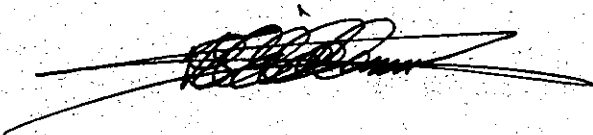
Our proposed schedule and recommended budget for the requested services are presented below:

- Field exploration services can begin within approximately 5-working days following authorization, assuming no weather related delays,
- Services to be completed in 15-working days after drilling, and
- **ESTIMATED BUDGET - \$9,985.00;** This fee will not be exceeded without prior authorization from the client.

Also, for your general information and authorization are our firm's General Conditions, and Assignment Authorization. To authorize this work to begin, please sign and return a copy of this agreement for our files. Thank you for the opportunity to provide professional technical services on this project. If you should have questions or comments about these services, please contact us at your convenience.

Respectfully submitted,

PATTON, BURKE & THOMPSON, LLC
ENGINEERING CONSULTANTS



Wayne A. Eddins
Field Services Manager

Enc: Assignment Authorization
General Conditions

Dist: Fax/Mail to Larry Fisher, P.E.

c:\windows\mydocuments\geotechpropt\2002-029.doc

2002-029

PATTON, BURKE & THOMPSON, LLC
Engineering Consultants

ASSIGNMENT AUTHORIZATION

For

Williamson County Park
SH 95 @ FM 397, Taylor, Texas
PBT Proposal No. 2001-084

Client agrees to the terms of this proposal and the attached General Terms and Conditions.

Proposal accepted by:

Williamson County
John C. Dafler 3-19-02
Name
County Judge
Title

Company

Date

SUMMARY FEE SCHEDULE

Project: Williamson County Park, Taylor, Texas
 PBT Proposal No. 2002-029
 Date: February 25, 2002
 Est. Fee: \$9,986.00

Task 1: Field Drilling and Sampling Operations

PBT Code	SERVICES	UNIT	UNIT PRICE	QTY	SUB TOTAL
	Mobilization	lump sum	\$ 150.00	1	\$ 150.00
	Rock Coring	ft.	\$ 15.00	0	\$ -
	Soil Drilling	ft.	\$ 10.00	345	\$ 3,450.00
	SPT Tests	ea.	\$ -	0	\$ -
	Senior Geotechnical Technician	hr.	\$ 60.00	16	\$ 960.00
	Sub-Total				\$ 4,560.00

Task 2: Laboratory Testing

PBT Code	SERVICES	UNIT	UNIT PRICE	QTY	SUB TOTAL
	Moisture Contents	ea.	\$ 6.00	40	\$ 240.00
	Atterberg Limits	ea.	\$ 45.00	12	\$ 540.00
	#200 Sieve Analysis	ea.	\$ 25.00	8	\$ 200.00
	Unconfined Compression Tests (soil)	ea.	\$ 45.00	8	\$ 360.00
	Arsenic Level Testing	ea.	\$ 54.00	4	\$ 216.00
	Permeability Tests	ea.	\$ 125.00	4	\$ 500.00
	Swell Tests - With Load Back	ea.	\$ 65.00	6	\$ 390.00
	Sub-Total				\$ 2,446.00

Task 3: Analysis, Recommendations & Conclusions, Final Report

PBT Code	SERVICES	UNIT	UNIT PRICE	QTY	SUB TOTAL
	Staff Engineer - Review/Edit/Assign	hr.	\$ 70.00	4	\$ 280.00
	CAD - Boring Logs	hr.	\$ 50.00	8	\$ 400.00
	Staff Engineer-Data Reduction	hr.	\$ 70.00	6	\$ 420.00
	Project Engineer - Draft Report	hr.	\$ 85.00	16	\$ 1,360.00
	Principal Engineer-Final Report	hr.	\$ 130.00	4	\$ 520.00
	Sub-Total				\$ 2,980.00
	Total				\$ 9,986.00

PATTON, BURKE & THOMPSON, LLC
Engineering Consultants

AGENDA ITEM 19

Discuss and take appropriate action on formulating a draft agreement pertaining to HB1445 authorizing a plat approval process between cities and the county on land within a city's ETJ.

No action was taken on this agenda item.

AGENDA ITEM 20

Consider making appointments to CNET Board in Taylor.

ITS Director Jay Schade gave the court an update on options for the county network. He stated that the best option appears to be fiber optic lines, as opposed to a wireless network or leased T1 lines.

Moved: **Commissioner Boatright**

Seconded: **Commissioner Limmer**

Motion: To confirm Jay Schade as the Williamson County nominee to the CNET Board in Taylor.

Vote: **4 - 0**

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