

# A G E N D A



Thursday, November 30, 2006

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## Public Works RECOMMENDATION FOR COUNCIL ACTION

**ITEM No 19**

**Subject** Authorize negotiation and execution of a professional services agreement with HALFF ASSOCIATES, INC , Austin, TX, for engineering services for the Gilleland Creek Modeling and Mapping Project, in an amount not to exceed \$750,000

**Amount and Source of Funding** Funding is available in the Fiscal Year 2006-2007 Capital Budget of the Watershed Protection and Development Review Department

**Fiscal Note** A fiscal note is attached

### Additional Backup Material

(click to open)

- ☐ EVALUATION MATRIX
- ☐ MAP
- ☐ M/WBE SUB GOALS  
REVISED
- ☐ financial data

**For More Information** Fang Yu 974-3580, Felix Benavides 974-7027, Laura Bohl 974-7064

**Purchasing Language** Best qualification statement of eight statements received

**MBE/WBE** This contract will be awarded in compliance with Chapter 2-9B of the City Code (Minority-Owned and Women-Owned Business Enterprise Procurement Program) by meeting the goals, 15 90% MBE and 14 20% WBE subconsultant participation

The purpose of the proposed project is to develop digital geo-referenced hydrologic and hydraulic models and floodplain maps for the Gilleland Creek Watershed for both existing and future land-use conditions. As development pressures increase in this area due to SH 130, updated models and maps become increasingly critical. The selected consultant will perform project professional engineering services in accordance with the following: (1) Federal Emergency Management Agency floodplain modeling and mapping specifications and guidelines, (2) the City of Austin Drainage Criteria Manual (DCM), (3) the Project Quality Assurance Plan guidelines developed by the City's Watershed Protection and Development Review Department, and (4) specific project requirements and technical guidelines provided in the procurement documents.

The project services are to be conducted in two phases: Phase 1, Data Collection, Surveying, and Hydrologic Model Development, and Phase 2, Hydraulic Model Development, Floodplain Mapping, Letter of Map Revision (LOMR) Application, and Flood Hazard Reduction Analysis.

The Gilleland Creek watershed is suburban in nature with approximately 64.4 square miles of drainage area. Elm and Decker Creek are tributaries to Gilleland Creek and are included in the proposed study area. The watershed is bordered roughly by the Colorado River on the south, IH-35 on the north, Walnut Creek on the west, and Wilbarger Creek on the east. The creek discharges into the Colorado River near Taylor Lane.

The effective floodplain insurance study and resulting map were completed by the U.S. Army Corps of Engineers in 1993. Only hard copies of the models and floodplain maps are available to the City of Austin Floodplain Office. In the past few years, the City has experienced increasing land development activities in

the Gilleland basin and, as a result, many requests for more accurate digital floodplain models and maps. Land development activities in the Gilleland Creek watershed are anticipated to increase as State Highway 130 construction progresses.

The requested approvals are approval of the selection of the recommended firm and funding approval in an amount not to exceed \$750,000 for the subject engineering services. This request allows for the development of a professional services agreement with the recommended firm. Should the City be unsuccessful in negotiating a satisfactory agreement with the recommended firm, negotiations will cease with that firm. Staff will then return to Council and request authorization to begin negotiations with the alternate recommendation listed on the attached.

**Public Works Department  
Evaluation of Consultant Qualifications**

Composite

Received

July 27, 2006

Project

Gilleland Creek Modeling & Mapping

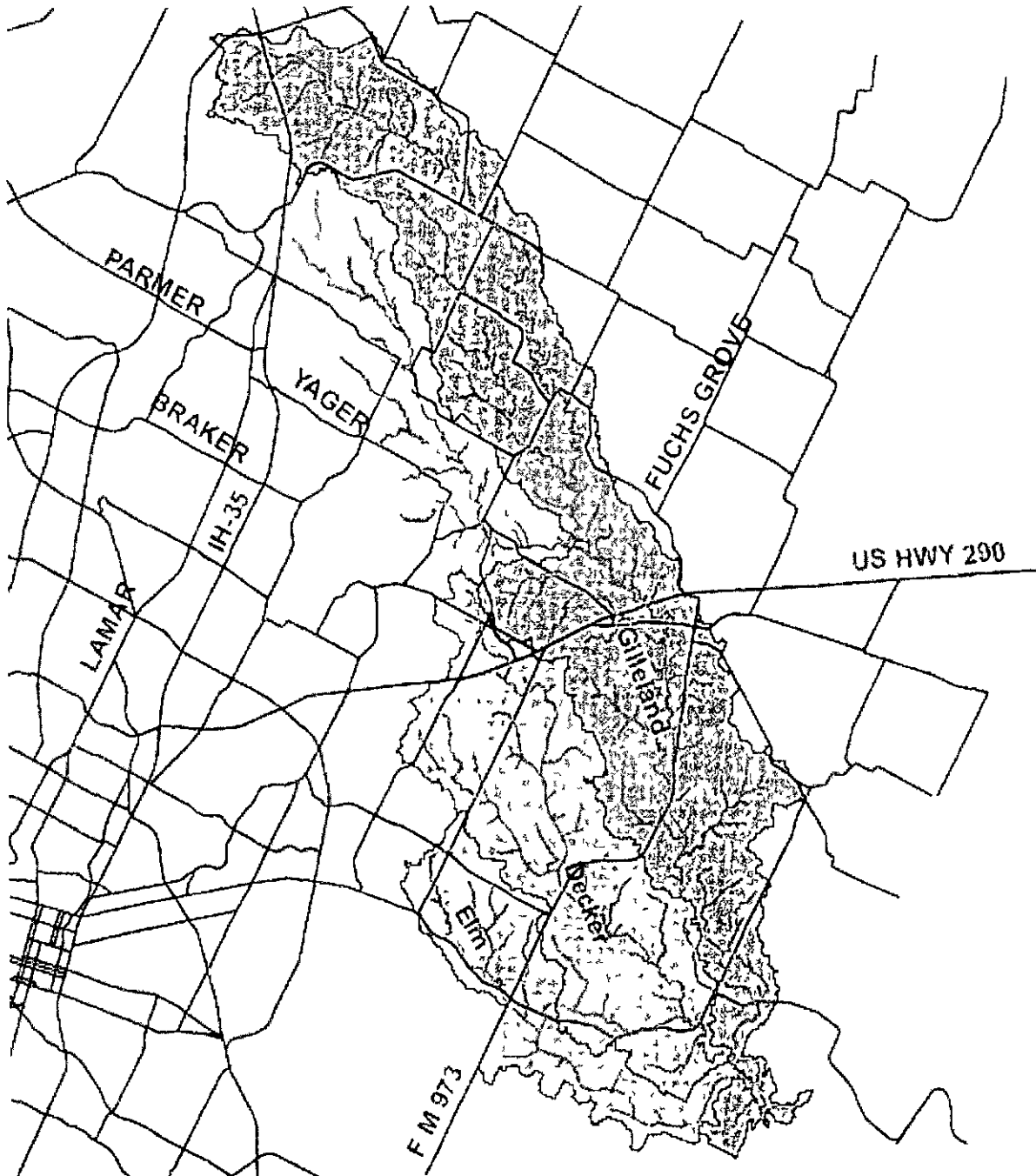
**EVALUATION MATRIX**

Project Manager

Fang Yu, P.E.

Firm (or Joint Venture)	Y = Yes N = No Affidavit	Item 1 Y = Yes N = No MWBE Goals met or G F E	Item 2 Y = Yes N = No Prime Firms EEO Program	Item 3 [24] Experience of Project Manager (16) Principal (8)	Item 4 [15] Experience and Availability of Proposed Staff	Item 5 [15 w/subs] [30 w/o subs] Prime Firms Comparable Project Experience	Item 6 [15 w/subs] [0 w/o subs] Subconsultant Firms Comparable Project Experience	Item 7 [8] Team's Experience with Austin Issues	Item 8 [12] Team's Structure and Project Approach	Item 9 [11] COA Experience with Prime	[100] SUB TOTAL	Item 10 [25] Optional Interview	[125] TOTAL POINTS
Half Associates Inc	Y	Y	Y	21.6	13.8	14.0	13.0	6.8	10.4	11.0	90.6	21.7	112.3
Carter & Burgess Inc	Y	Y	Y	22.0	13.2	12.2	12.8	7.2	10.2	11.0	88.6	17.9	106.5
URS Corporation	Y	Y	Y	20.0	12.8	13.2	12.6	6.8	10.2	11.0	86.6	19.4	106.0
Watershed Concepts, Inc	Y	Y	Y	18.8	12.6	13.4	12.6	6.4	10.0	11.0	84.8		84.8
Dodson & Associates Inc	Y	Y	Y	17.8	12.6	12.8	12.2	6.2	10.0	11.0	82.6		82.6
Turner Collier & Braden Inc	Y	Y	Y	19.2	12.8	11.2	11.6	6.8	9.4	11.0	82.0		82.0
Dannenbaum Engineering Company	Y	Y	Y	16.0	11.4	7.2	10.0	6.6	9.4	11.0	71.6		71.6
C Faulkner Engineering LP	Y	Y	Y	15.6	10.4	7.4	10.4	6.0	7.8	11.0	68.6		68.6

Attachment 1  
Location Map  
Gilleland Creek Watershed with  
Elm Creek and Decker Creek Tributaries



Participation subgoals stated in the solicitation were 1 7% African American, 9 5% Hispanic, 5 3% Native/Asian American and, 14 2% WBE The recommended and alternate firms provided M/WBE Compliance Plans that met the goals of the solicitation or made a Good Faith Effort and were approved by the Department of Small and Minority Business Resources

Notification of issuance of a Request for Qualifications (RFQ) for the subject services was sent to 248 firms on June 28, 2006 The RFQ was obtained by 38 firms, and eight firms submitted qualification statements None of the firms were certified MBE/WBE firms Of the eight firms evaluated, three firms were short-listed and interviewed Interviewing the short-listed firms results in the following recommendation

**RECOMMENDED FIRM** HALFF ASSOCIATES, AUSTIN, TX – Total Participation

NON M/WBE TOTAL – PRIME	44 30%
Halff Associates, Austin, TX	44 30%
MBE TOTAL – SUBCONSULTANTS	15 90%
<u>African American Subtotal</u>	<u>1 70%</u>
(MB) HVJ Associates, Austin, TX (civil engineering, drafting services)	1 70%
<u>Hispanic Subtotal</u>	<u>9 50%</u>
(MH) Crespo Consulting Services, Inc , Austin, TX (civil engineering, drainage, hydrological services, geographic information systems)	9 50%
<u>Native/Asian American Subtotal</u>	<u>4 70%</u>
(MA) Raymond Chan & Assoc , Inc , Austin, TX (civil engineering, hydrological services, drainage)	4 70%
WBE TOTAL – SUBCONSULTANTS	14 20%
(FR) Walker Texas Surveyors, Inc , Cedar Park, TX (surveying services, global positioning system)	14 20%
NON M/WBE TOTAL – SUBCONSULTANTS	25 00%
PBS&J, Austin, TX (civil engineering, drainage, hydrological services)	25 00%

**ALTERNATE FIRM** CARTER & BURGESS, INC , AUSTIN, TX – Total Participation

NON M/WBE TOTAL – PRIME	47.50%
Carter & Burgess, Inc , Austin, TX	47.50%

MBE TOTAL – SUBCONSULTANTS	18.00%
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African American Subtotal	2.00%
(MB) Turner Graphics, Austin, TX (blue printing services, copying)	2.00%

Hispanic Subtotal	10.00%
(MH) CivilTech Engineering, Inc , Houston, TX (engineering consulting, civil engineering, drainage)	10.00%

Native/Asian American Subtotal	6.00%
(MA) IIL Corporation, Cypress, TX (engineering consulting, civil engineering, drainage)	6.00%

WBE TOTAL – SUBCONSULTANTS	14.50%
(FR) Walker Texas Surveyors, Inc , Cedar Park, TX (surveying services, global positioning system)	14.50%

NON M/WBE TOTAL – SUBCONSULTANTS	20.00%
Alan Plummer & Associates, Austin, TX (engineering consulting and services, civil engineering)	20.00%

## **CIP BUDGET FISCAL NOTE**

**DATE OF COUNCIL CONSIDERATION**

30-Nov-06

**WHERE ON AGENDA**

**DEPARTMENT**

Watershed Protection & Development Review

Description Authorize negotiation and execution of a professional services agreement with HALFF ASSOCIATES, INC , Austin, TX, for engineering services for the Gilleland Creek Modeling and Mapping Project, in an amount not to exceed \$750,000

### **FINANCIAL INFORMATION**

Project Name	<b>Flood Plain Studies &amp; Digital Mapping</b>
Project Authorization	2006-2007 Amended Capital Budget
Funding Source	Drainage Utility Fund
Fund/Agency/Orgn	4850-6307-2009

Total Current Appropriation	\$1,328,225 00
Unencumbered Balance	\$575,550 00
Amount of this Action	<u>(\$575,550 00)</u>
Remaining Balance	<u><u>\$0 00</u></u>

Project Name	<b>Harris Branch Drainage Improvements</b>
Project Authorization	2006-2007 Amended Capital Budget
Funding Source	RSMP Fund
Fund/Agency/Orgn	4860-6307-2700

Total Current Appropriation	\$80,000 00
Unencumbered Balance	\$80,000 00
Amount of this Action	<u>(\$80,000 00)</u>
Remaining Balance	<u><u>\$0 00</u></u>

Project Name	<b>Gilleland Crk Windermere Drng</b>
Project Authorization	2006-2007 Amended Capital Budget
Funding Source	RSMP Fund

Fund/Agency/Orgn      4860-6307-5500

Total Current Appropriation	\$272,000 00
Unencumbered Balance	\$257,182 00
Amount of this Action	<u>(\$94,450 00)</u>
Remaining Balance	<u><u>\$162,732 00</u></u>

Financial Approval \_\_\_\_\_ J Pulich \_\_\_\_\_ Date \_\_11-14-06\_\_