



**Professional Services Agreement
CITY OF AUSTIN
RECOMMENDATION FOR COUNCIL ACTION**

AGENDA ITEM NO.: 18
AGENDA DATE: Thu 09/02/2004
PAGE: 1 of 4

SUBJECT: Authorize negotiation and execution of a professional services agreement with PBS&J, INC., Austin, TX, for preliminary engineering studies and a watershed erosion assessment report for the Carson Creek Watershed in an amount not to exceed \$200,000.

AMOUNT & SOURCE OF FUNDING: Funding is available in the Fiscal Year 2003-2004 Capital Budget of the Watershed Protection and Development Review Department.

FISCAL NOTE: A fiscal note is attached.

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|--------------------|--|---|
| REQUESTING | Public Works | DIRECTOR'S |
| DEPARTMENT: | for Watershed Protection and Development Review; | AUTHORIZATION: <u>Sondra Creighton</u> |

FOR MORE INFORMATION CONTACT: Johnnie Price - 974-3393; Felix Benavides - 974-7027; Laura Bohl - 974-7064

PRIOR COUNCIL ACTION: N/A

BOARD AND COMMISSION ACTION: N/A

PURCHASING: Best qualification statement of seven received.

MBE / WBE: 17% MBE and 17% WBE subconsultant participation.

The Carson Creek watershed is located in the southeast part of the City of Austin centered at the intersection of U.S. Highways 71 and 183 and drains into the Colorado River. The total area of the watershed is 6 square miles and the total study stream length is approximately 6 miles. Although the watershed has experienced urbanization, approximately 40% of the watershed remains open, undeveloped land.

The expansion of U.S. Highways 71 and 183, along with the new airport development and annexations completed, and historical rainfall and flooding records, this area is one of Watershed Protection and Development Review Department's highest priorities for flood and erosion hazard mitigation as part of the second phase of the Watershed Protection Master Plan.

Professional engineering services are required to assist in identifying and evaluating feasible solutions for flood hazard and stream erosion mitigation for the entire watershed and identifying opportunities for integrating solutions to achieve multiple beneficial objectives. The goal of WPDRD is to protect lives, property and the environment from the impact of flooding, erosion and water pollution by providing increased protection to threatened structures using appropriate hazard mitigation techniques.

The engineer will review existing information including hydrologic and hydraulic models, make field surveys to verify existing information, identify environmentally sensitive areas, and prepare recommendations on the required improvement solutions including project cost estimates.

The engineer will consider various solutions such as channel improvements, ponds, and structure buyouts



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in the development of feasible solutions. The engineer will estimate the construction costs of the alternatives and evaluate each solution in terms of its effectiveness with regard to removing significant numbers of existing structures from existing and fully developed floodplains, cost, environmental (including water quality) impact, and erosion potential. The engineer will recommend one or more solutions for implementation, and will develop and present a project implementation schedule considering easement and permit acquisition, engineering design and construction time requirements. In addition, the engineer will prepare a watershed-erosion assessment of the entire creek channel.

This authorization provides for funding of services related to preliminary engineering services only. It is anticipated that the cost of this service will not exceed \$200,000. As additional funding is being planned for future development of solutions, additional authorizations may be submitted for Council approval to amend this professional service agreement to provide continuous engineering services. The total amount of this service agreement plus future amendments with this recommended firm will be limited to \$1,000,000.

This request allows for the development of a professional service 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 below.

Participation subgoals stated in the solicitation were 1.7% African American; 9.5% Hispanic, 4.7% Asian American and 14.2% Women Owned Business Enterprise (WBE). The recommended and alternate firms both provided Minority Owned Business Enterprise / Women Owned Business Enterprise (MBE/WBE) Compliance Plans, which 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 two hundred thirteen (213) firms on April 9, 2004. Forty-five (45) firms obtained the RFQ, and seven (7) firms submitted qualification statements. One (1) of the firms was a certified MBE firm. The evaluation of the submittals of the seven (7) firms results in the following recommendation:



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RECOMMENDED FIRM: - PBS&J, INC. - Total Participation:

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|--------------------------------|---------------|
| <u>NON M/WBE TOTAL – PRIME</u> | <u>50.00%</u> |
| PBS&J Inc., Austin, TX | 50.00% |

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| <u>MBE TOTAL – SUBCONSULTANTS</u> | <u>17.00%</u> |
|-----------------------------------|---------------|

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|---|--------------|
| <u>African American Subtotal</u> | <u>2.00%</u> |
| (MB) HVJ Associates, Inc., Austin, TX (geotechnical and environmental engineering services) | 2.00% |

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| <u>Hispanic Subtotal</u> | <u>10.00%</u> |
| (FH) Kurkjian Engineering Corp., Austin, TX (civil engineering) | 10.00% |

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| <u>Asian American Subtotal</u> | <u>5.00%</u> |
| (MA) Frank Lam & Associates, Inc., Austin, TX (structural engineering) | 5.00% |

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| <u>WBE TOTAL – SUBCONSULTANTS</u> | <u>17.00%</u> |
| (FR) Glenrose Engineering, Inc., Austin, TX (environmental engineering) | 6.00% |
| (FR) Martha Ferrero Juch, P.E., Inc., Round Rock, TX (civil engineering) | 2.00% |
| (FR) Landmark Surveying, Inc., Austin, TX (land surveying) | 8.00% |
| (FR) Dynamic Reprographics, Inc., Austin, TX (blueprinting) | 1.00% |

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| <u>NON M/WBE TOTAL – SUBCONSULTANTS</u> | <u>16.00%</u> |
| Aquafor Beech, Ltd., Kingston, Ontario (fluvial geomorphology, stream restoration techniques) | 13.00% |
| Geo-Solutions, Inc., Austin, TX (specialized geotechnical and channel bank engineering design services) | 3.00% |



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ALTERNATE RECOMMENDATION: - ESPEY CONSULTANTS, INC., AUSTIN, TX –

Total Participation:

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| <u>NON M/WBE TOTAL – PRIME</u> | <u>32.00%</u> |
| Espey Consultants, Inc., Austin, TX | 32.00% |

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| <u>MBE TOTAL – SUBCONSULTANTS</u> | <u>41.00%</u> |
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| <u>African American Subtotal</u> | <u>2.00%</u> |
| (MB) HVJ Associates, Inc., Austin, TX (geotechnical-soils engineering) | 2.00% |

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| <u>Hispanic Subtotal</u> | <u>10.00%</u> |
| (MH) Martinez, Wright & Mendez, Inc., Austin, TX (surveying) | 10.00% |

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| <u>Asian American Subtotal</u> | <u>29.00%</u> |
| (MA) Raymond Chan & Associates, Inc., Austin, TX (environmental consulting and assessment, hydrological services) | 26.00% |
| (MA) CAS Consulting & Services, Inc., Austin, TX (hydrological services) | 3.00% |

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| <u>WBE TOTAL – SUBCONSULTANTS</u> | <u>15.00%</u> |
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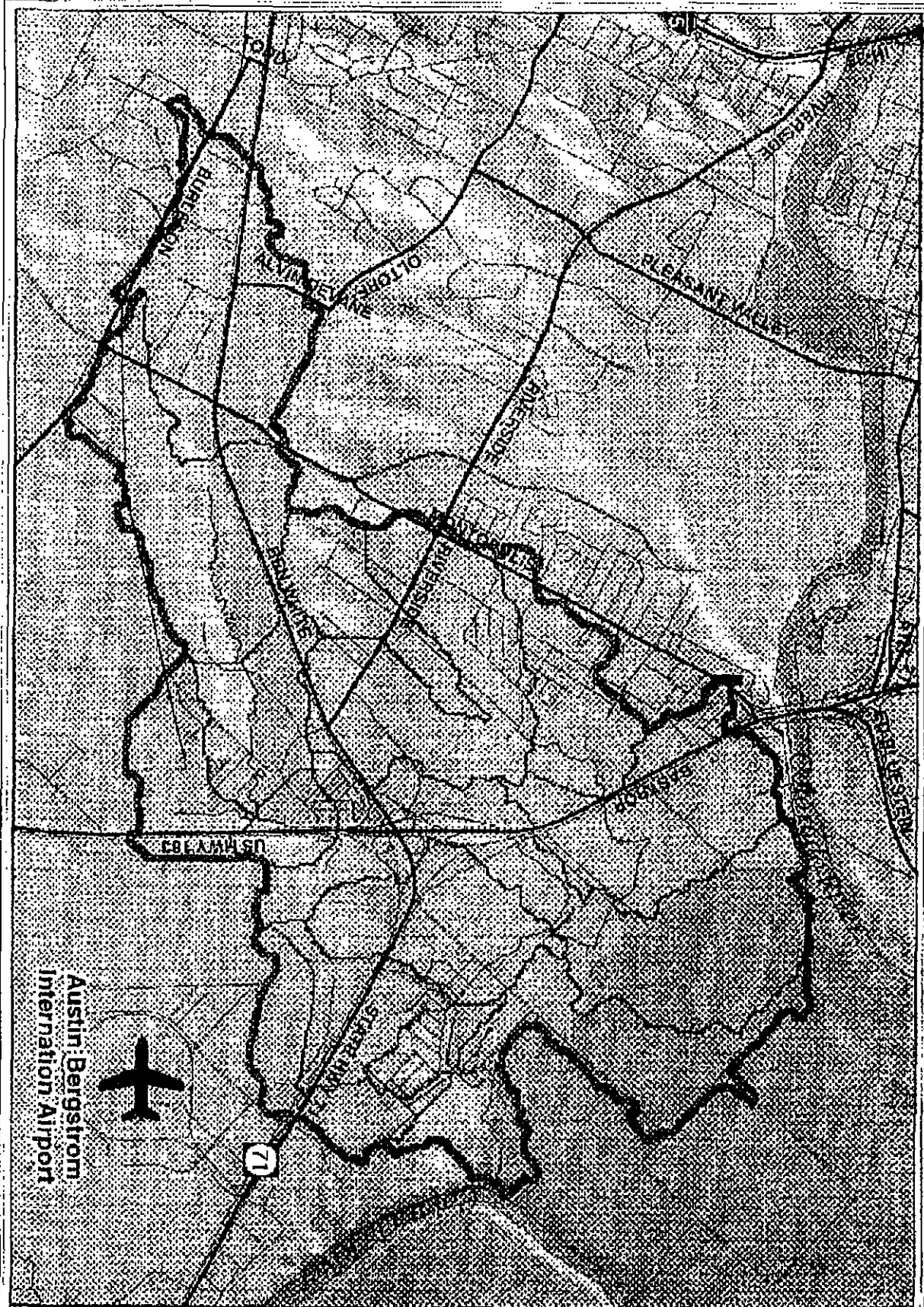
| | |
|---|-------|
| (FR) McGray & McGray Land Surveyors, Inc., Austin, TX (surveying) | 5.00% |
| (FR) Winterowd Assoc., Inc., Austin, TX (landscaping consulting, landscape architecture) | 2.00% |
| (FR) Glenrose Engineering, Inc., Austin, TX (environmental engineering, environmental consulting) | 2.00% |
| (FR) Hicks & Company, Austin, TX (environmental engineering and consulting) | 3.00% |
| (FR) Holt Engineering, Inc., Austin, TX (geotechnical-soils engineering) | 3.00% |

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| <u>NON M/WBE TOTAL – SUBCONSULTANTS</u> | <u>12.00%</u> |
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| Aquafor Beech, Ltd., Brampton, Ontario (environmental engineering and assessment, contract administration, quality control) | 2.00% |
| Mainstream Restoration, Inc., Bozeman, MT (environmental engineering) | 6.00% |
| Watershed Concepts, Austin, TX (hydrological services) | 4.00% |



THE DATA ON THIS MAP WERE OBTAINED FROM THE CIVIL AVIATION
ADMINISTRATION'S AERIAL PHOTOGRAPHIC SURVEY OF THE
UNITED STATES, WHICH WAS CONDUCTED IN 1964. THE
AERIAL PHOTOGRAPHIC SURVEY OF THE UNITED STATES
WAS CONDUCTED BY THE NATIONAL AERONAUTICS AND
SPACE ADMINISTRATION'S AERIAL PHOTOGRAPHIC SURVEY
DIVISION, WASHINGTON, D.C. THE DATA ON THIS MAP
WAS OBTAINED FROM THE CIVIL AVIATION
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**Public Works Department
Evaluation of Consultant Qualifications**

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Composite

Received:

Monday, May 10, 2004

Project:

Calson Creek Watershed Flood Hazard Mitigation Solutions/
Cost Evaluation and Erosion Assessment

EVALUATION MATRIX

Project Manager:

Johnnie Price

| Firm (or Joint Venture) | Item 1 (Yes or No) NAYBE Goals met or G.F.E. | Item 2 (Yes or No) Firm's EEO Program | Item 3 (24) Experience of Project Manager (10) Engineer (6) | Item 4 (15) Experience and Availability of Staff | Item 5 (15 w/extra) (30 w/o extra) Firm's Prime Comparable Project Experience | Item 6 (15 w/extra) (0 w/o extra) Subsidiary Firm's 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 | Item 10 (100) SLB TOTAL | Item 10 (25) Optional Interview | (125) TOTAL POINTS |
|---------------------------------------|--|---|---|--|--|--|---|---|--|----------------------------------|--|--------------------------|
| PRSSA, Inc. | Y | Y | 21.6 | 14.2 | 14.4 | 14 | 7.8 | 10.8 | 11 | 93.80 | | 93.80 |
| Espey Consultants, Inc. | Y | Y | 20.8 | 19.4 | 14 | 13.6 | 7.4 | 10.2 | 11 | 90.40 | | 90.40 |
| Haft Associates, Inc. | Y | Y | 21.2 | 12.8 | 14 | 12.2 | 7 | 10.2 | 11 | 88.40 | | 88.40 |
| Carter & Burgess, Inc. | Y | Y | 19.4 | 12 | 12.8 | 12.6 | 6.6 | 9.8 | 11 | 84.00 | | 84.00 |
| Danielbaum Engineering Corporation | Y | Y | 18.4 | 12 | 11.6 | 12.6 | 6.6 | 10.2 | 11 | 82.40 | | 82.40 |
| Ashton-Blaug Engineering | Y | Y | 16.2 | 8.4 | 10.2 | 10.2 | 6.4 | 8.8 | 11 | 72.20 | | 72.20 |
| The Cost Man (ME/MB) | N | Y | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.00 | | 0.00 |

CIP BUDGET FISCAL NOTE

DATE OF COUNCIL CONSIDERATION:

26-Aug-04

WHERE ON AGENDA:

DEPARTMENT:

Watershed Protection & Development Review

Description: Authorize negotiation and execution of a professional services agreement with PBS&J, INC., AUSTIN, TX for preliminary engineering studies and a watershed erosion assessment report for the Carson Creek Watershed in an amount not to exceed \$200,000.

FINANCIAL INFORMATION:

| | |
|------------------------|--|
| | MASTERPLAN PH II - TECH ASSES |
| Project Name: | |
| Project Authorization: | 2003-2004 Amended Capital Budget |
| Funding Source: | Drainage Utility Fund |
| Fund/Agency/Orgn: | 4850-617-2011 |

| | |
|-----------------------------|-----------------------|
| Total Current Appropriation | \$300,000.00 |
| Unencumbered Balance | \$200,003.00 |
| Amount of this Action | <u>(\$200,000.00)</u> |
| Remaining Balance | <u><u>\$3.00</u></u> |

Financial Approval: _____ Date: _____