



Travis County Commissioners Court Agenda Request

Meeting Date: May 13, 2014

Prepared By/Phone Number: Jason G. Walker/44562; Marvin Brice, CPPB, Assistant Purchasing Agent

Elected/Appointed Official/Dept. Head: Cyd Grimes

Commissioners Court Sponsor: Judge Biscoe

Agenda Language: Approve Modification No. 5 to Contract No. 4400001828 (H.T.E. No. 09AE0251JW), Jacobs Engineering, for the Howard Lane Phase II Design Project.

- **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.
- The Howard Lane Phase II design project is for the extension from Cameron Road/Harris Branch Road to SH-130 as a four-lane divided roadway with bicycle lane and sidewalk on each side. Also included in the design are subsurface storm drainage systems, two bridges, and associated utility relocations. This project is jointly funded by Travis County, the City of Austin (COA), and Texas Department of Transportation.
- This modification number five (5) is for Additional Basic Services as a result of additional right-of-way needs, design elements, permit efforts, and project coordination efforts. This modification will increase the contract amount by \$233,525.00 (\$200,219.83 contributed by the COA), from \$1,263,725.13 to \$1,497,250.13, and the aggregate modification amount results in a 78.1% increase of the original contract amount.
- Modification number four (4) added Additional Basic Services for the relocation and extension of an existing waterline that is within an existing COA Right-of-Way. This modification increased the contract amount by \$7,691.00 (all contributed by the COA), from \$1,256,034.13 to

\$1,263,725.13, and the aggregate modification amount resulted in a 50.3% increase of the original contract amount.

- Modification number three (3) added Additional Basic Services for the relocation and extension of an existing waterline that is within an existing COA Right-of-Way. This modification increased the contract amount by \$53,283.00 (all contributed by the COA), from \$1,202,751.13 to \$1,256,034.13, and the aggregate modification amount resulted in a 49.4% increase of the original contract amount.
- Modification number two (2) added Additional Basic Services for a section of Cameron Road/Harris Branch Road that is within the COA's jurisdictional limits (current terminus of the four lane section of Cameron Road/Harris Branch Road to Gregg Lane) left out of the original design project scope. Through the addition of this section of Cameron Road/Harris Branch Road, to the section of Cameron Road/Harris Branch Road originally included in the design project scope, the COA's jurisdictional limit of Cameron Road/Harris Branch Road will then be complete with regards to the physical area currently under development by the COA. The remaining section of Cameron Road (from Gregg Lane to SH-130) is within Travis County's jurisdictional limit, where no interlocal agreement for the construction of a road within the COA will be required, shortening the design, permitting, and construction of Travis County's jurisdictional section of Cameron Road, saving Travis County money.
- Also included with this modification number two (2) were needed Howard Lane design modifications due to the relocation of an existing gas line, as well as the revision of the pavement design to one expected to perform better and longer given the soil types discovered through extensive soil explorations. This modification increased the contract amount by \$338,063.49 (of which \$321,707.82 has been contributed by the COA and the remaining \$16,355.67 is Travis County's share) from \$864,687.64 to \$1,202,751.13, and the aggregate modification amount resulted in a 43.1% increase of the original contract amount.
- Modification number one (1) increased the contract amount by \$24,051.25 for additional subsurface utility exploration services (SUE)

required to locate existing gas lines for relocation. The COA funded completely this modification amount.

➤ **Contract Expenditures:** Within the last 5 months \$120,662.23 has been spent against this contract/requirement.

➤ **Contract-Related Information:**

Award Amount: \$840,636.39

Contract Type: A/E

Contract Period: Through completion

➤ **Contract Modification Information:**

Modification Amount: \$233,525.00

Modification Type: A/E

Modification Period: Through completion

➤ **Solicitation-Related Information: N/A**

Solicitations Sent:

Responses Received:

HUB Information:

% HUB Subcontractor:

➤ **Special Contract Considerations: N/A**

Award has been protested; interested parties have been notified.

Award is not to the lowest bidder; interested parties have been notified.

Comments:

➤ **Funding Information:**

Shopping Cart/Funds Reservation in SAP: 300001081

Fund Center(s):1490190000, 1490294050

Comments:

TRANSPORTATION AND NATURAL RESOURCES

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



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

April 7, 2014

MEMORANDUM

TO: Marvin Brice, C.P.P.B., Assistant Purchasing Agent

FROM: Steve M. Manilla, P.E., County Executive
(Signature)

SUBJECT: Howard Lane II
Modification # 5, PSA Contract No. Q09AE0251-JW/4400000031
Professional Services Agreement with Jacobs Engineering Group, Inc.

Request

Please accept this memo as a request to modify the Professional Services Agreement with Jacobs Engineering for design services related to the Howard Lane II extension project (from Cameron Road to SH 130, including a section of Cameron Road/Harris Branch Road, from Harris Branch Parkway to Gregg Lane). This modification is funded jointly by the City of Austin (City) and Travis County (County) for services related to their respective jurisdiction. This will increase the contract amount by \$233,525.00 (of which \$33,305.17 is from the County and \$200,219.83 is from the City), from \$1,263,725.13 to \$1,497,250.13. A copy of the proposed Scope of Services and Additional Fee Proposal is attached.

Please contact Chiddi N'Jie at 512-854-7585 if you need additional information.

Summary and Staff Recommendations

The Howard Lane II roadway extension extends from Cameron Road (Harris Branch Road) to SH 130 in Precinct One. The Howard Lane II project was authorized under the 2005 Bond Program. Additional funding comes from Certificate of Obligation funds, Travis County 1984 bond savings, the City (under the approved Interlocal Agreement now being amended) for the section of the road within the City's jurisdiction, and under an approved Advance Funding Agreement, Texas Department of Transportation (TxDOT).

The proposed design is a four-lane divided roadway (MAD4) with a bicycle lane and a sidewalk on each side of the street. The Howard Lane limits are from Cameron Road/Harris Branch Road to SH 130. The Cameron Road/Harris Branch Road limits are from just south of Howard Lane to Gregg Lane. The design will also include a subsurface storm drainage system, two bridges, and associated utility relocations.

The modifications were necessary due to additional right-of-way (ROW) needs, additional design elements, permit efforts, and project coordination efforts. Details of the additional services needed to accommodate the plan revisions are provided in Attachment "B".

This project is jointly funded by adjacent landowners, the County, the City (through an Interlocal Agreement), and TxDOT (through an Advance Funding Agreement). The proposed design is a four-lane divided roadway (MAD4) with, two bridges, a bicycle lane, and a sidewalk on each side of the street, subsurface storm drainage system, waterline extension, and associated utility relocations.

This roadway is classified by Capital Area Metropolitan Planning Organization (CAMPO) as an arterial (MAD4) in the CAMPO Mobility 2035 Transportation Plan.

Issues and Opportunities

None

Budgetary and Fiscal Impact

This modification will increase the contract amount by \$233,525.00, from \$1,263,725.13 to \$1,497,250.13. Of this, \$200,219.83 is funded by the City and the remaining \$33,305.17 is funded by the County.

The financial tracking information is provided below.

		County	City of Austin
Fund Reservation		0300001081	
WBS Element		RDCN.149.000011	
Fund	2032	4059	4050
Fund Center	1490190000	1490190000	1490294050
G/L	522040	522040	511973
Amount	\$ 26,644.14	\$ 6,661.03	\$ 200,219.83
	Total Funds Reserved \$ 233,525.00		

Required Authorizations

TNR Financial: Cynthia McDonald
Purchasing: Cyd Grimes
PBO: Jessica Rio

Attachments

1. Exhibit "A"-----Project Location Map
2. Exhibit "B"-----Scope and Fees

Copy: Cyd V. Grimes, C.P.M., Purchasing Agent
Jason Walker, Construction Procurement Specialist, Purchasing
Hannah York, Auditor's Office
Cynthia McDonald, TNR Financial
Donna Williams-Jones, TNR Financial
Isabelle Lopez, TNR Financial
Tawana Gardner, TNR Financial
Morgan Cotten, P.E., TNR Public Works
Steve Sun, P.E., TNR Public Works
Chiddi N'Jie, P.E., TNR Public Works

List of Attachments

- **Attachment “A “**
 - **Project Location Map**

- **Attachment “B”**
 - **Additional Services and Fee Proposal**

AERIAL LAYOUT FOR ADDITIONAL ROADWAY IMPROVEMENTS
ALONG CAMERON ROAD - LENGTH = 2,130 FEET

- AREA UTILITIES AFFECTED BY ONSTRUCTION
- AT&T COMMUNICATIONS
MR. LOIUS SALM 512-870-4967
 - ATMOS GAS
MR. BRAD CROSSWHITE
DOUGLAS KNAUTH 512.310.3847
 - CITY OF AUSTIN
MR. PHILLIP JAEGER
VASU GADIA 512-972-0232
 - LCRA
MS. SUSAN ESCHENBURG 512-369-4536
 - TEXAS GAS SERVICE
MRS. LEA CRENSHAW 512-407-1844
 - AUSTIN ENERGY
MR. DAVID HENNING 512-505-7283
 - MANVILLE WATER SUPPLY
MR. TONY GRAF 512-856-2488



Google earth

miles
km



Funds Reservation 300001081

General Data			
Document type	NE	Document type	030
Company code	1000	Document date	02/25/2014
FM area	1000	Posting date	02/25/2014
Controlling area	1000	Currency	USD/ 1.00000
Statistics			
Entered by	GARDNET	Created on	02/25/2014
Last changed by		Last changed	
More Data			
Text	HOWARD LANE ENGINEERING MOD-JACOBS ENGINEERING		
Reference			
Overall Amount	233,525.00 USD		

Document item 001			
Text	GRANT HOWARD LANE ENGINEERING MOD-JACOBS ENGINEERI		
Commitment item	522040	Funds center	1490190000
Fund	2032	G/L account	522040
Cost center		Due on	
Vendor		Customer	
Amount	26,644.14 USD		

Document item 002			
Text	MATCH HOWARD LANE ENGINEERING MOD-JACOBS ENGINEERI		
Commitment item	522040	Funds center	1490190000
Fund	4059	G/L account	522040
Cost center		Due on	
Vendor		Customer	
Amount	6,661.03 USD		

Document item 003			
Text	COA HOWARD LANE ENGINEERING MOD-JACOBS ENGINEERING		
Commitment item	511973	Funds center	1490294050
Fund	4050	G/L account	511973
Cost center		Due on	
Vendor		Customer	
Amount	200,219.83 USD		

Extension, Phase II

ISSUED BY: PURCHASING OFFICE P.O. BOX 1748 AUSTIN, TX 78767	PURCHASING AGENT ASST: Jason G. Walker TEL NO: (512) 854-9700 FAX NO: (512) 854-9185	DATE PREPARED: April 29, 2014
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ISSUED TO: Jacobs 2705 Bee Caves Road, Suite 300 Austin, TX 78746	MODIFICATION NO.: 5	EXECUTED DATE OF ORIGINAL CONTRACT: December 22, 2009
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ORIGINAL CONTRACT TERM DATES: 12/22/09 - through project completion CURRENT CONTRACT TERM DATES: 12/22/14 - through project completion

FOR TRAVIS COUNTY INTERNAL USE ONLY:

Original Contract Amount: \$840,636.39 Current Modified Amount \$1,497,250.13.

DESCRIPTION OF CHANGES:

A. The additional Work Product 4 and Bidding Phase Services, as outlined in Consultant's Supplemental Agreement, attached hereto and made a part hereof are hereby added to the contract. As a result of these additional Work Product 4 and Bidding Phase Services, contract Basic Services pricing is adjusted as follows:

1. Reference EXHIBIT 1, SECTION 1 - COMPENSATION FOR BASIC SERVICES:

- a. Paragraph 1.1: The stated fee for the performance of basic services is modified from \$1,233,995.88 to \$1,460,920.88, an increase of \$226,925.00.
- b. Paragraph 1.1.1, (i) Design Phase, Work Product #4 - 90% Design is modified from \$639,359.97 to \$864,992.97, an increase of \$225,633.00.
- c. Paragraph 1.1.1 (ii) Bidding Phase is modified from \$5,026.25 to \$6,318.25, an increase of \$1,292.00.
- c. The BASIC SERVICES TOTAL is changed from \$1,233,995.88 to \$1,460,920.88, an increase of \$226,925.00.

B. Reference EXHIBIT 1, SECTION 4 - REIMBURSABLE EXPENSES, 4.1, the Non-Labor reimbursable expenses amount is modified from \$29,729.25 to \$36,329.25. Also, the REIMBURSABLES TOTAL NOT TO EXCEED is changed from \$29,729.25 to \$36,329.25, an increase of \$6,600.00.

C. Reference EXHIBIT 1, SECTION 5 - TOTAL AGREEMENT SUM. The TOTAL AGREEMENT SUM is changed from an NTE amount of \$1,263,725.13 (\$1,233,995.88 Basic Services and NTE amount of \$29,729.25 Reimbursable Expenses) to an NTE amount of \$1,497,250.13 (\$1,460,920.88 Basic Services, and NTE amount of \$36,329.25 Reimbursable Expenses) an increase of \$233,525.00.

D. The Contract Scope of Services is modified to include the performance by Engineer of the additional Work Product 4 and Bidding Phase Services as outlined in Consultant's Supplemental Agreement (Attachment A).

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.

Note to Vendor:
 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: <u>Jacobs Engineering Group Inc.</u>	<input type="checkbox"/> DBA
BY: <u>Kevin Connor</u> SIGNATURE	<input type="checkbox"/> CORPORATION
BY: <u>KEVIN CONNOR</u> PRINT NAME	<input type="checkbox"/> OTHER
TITLE: <u>OPERATIONS MGR</u> ITS DULY AUTHORIZED AGENT	DATE: 4.30.14

TRAVIS COUNTY, TEXAS	DATE:
BY: <u>AB</u> CYD V. GRIMES, C.P.M., CPPO, TRAVIS COUNTY PURCHASING AGENT	

TRAVIS COUNTY, TEXAS	DATE:
BY: <u>SAMUEL T. BISCOE</u> SAMUEL T. BISCOE, TRAVIS COUNTY JUDGE	



ATTACHMENT A
SERVICES TO BE PROVIDED BY THE ENGINEER
FOR
HOWARD LANE – PHASE II
SUPPLEMENTAL AGREEMENT #5 FOR HOWARD LANE EXTENSION

The following supplemental is services for the following tasks to supplement the original contract:

Work Product #4:

1. DRAINAGE

The original scope in the Howard Lane contract did not specify the number of detention or water quality pond requirements, or limit the number of ponds to be designed. The scope stated that the engineer would "Design and detail water quality feature located parallel to the roadway or under the proposed bridge near each abutment." After extensive coordination with land owners, the plans have resulted in six water quality locations containing seven water quality ponds and two detention ponds. Two more detention ponds that were necessary in the County portion of the project were mitigated by participating in the City of Austin RSMP, requiring the engineer to coordinate and prepare an RSMP application. The extent of these work items was more than anticipated during the contract preparation and we are asking consideration of the additional items for payment:

- A. The effort associated with designing and detailing 7 water quality ponds and 2 detention ponds was considerably higher than the original estimate anticipated. In addition, the coordination with land owners entailed additional effort to site the ponds.
- B. Design and detail a 1650' long outlet ditch (Shriver ditch). The ditch design was provided with 3 additional plan and profile sheets.
- C. The water quality design for the pond 1 location required more effort than normally expected for water quality design. The original direction was to place a single sedimentation/filtration system within the existing City of Austin drainage easement. Upon more detailed design, the site constraints would not allow this type of system. A meeting was scheduled with the City and after lengthy coordination and investigation for alternative treatment methods, a workable layout was determined with the use of two sedimentation/biofiltration ponds.
- D. Prepare RSMP application and coordinate with the appropriate City staff.

2. IMPLICATION OF THE ADDITIVE ALTERNATIVE ON CAMERON ROAD

Supplemental No. 2, Attachment B, detailed the scope of work to perform additional design along Cameron Road north of Howard Lane. The need to provide this as an additive alternative to the construction set caused rework of the current Howard Lane plans that was not anticipated during the scoping of the extensions. It was anticipated that this would be a stand-alone alternative. It was a stand-alone alternative, but to accommodate the bidding process, it required us to also create an additive alternative for the shorter section of Cameron Road north of Howard Lane. This created additional work in the development of TCP plans sheets and required division of summaries according for all disciplines.

3. PERMITTING

The correspondence with Travis County and City of Austin project managers centered around the understanding that this project would need to secure a General Permit from the City of Austin. Subsequent to a meeting at the City of Austin on 8-30-12, the issue of submitting for a Site Development Permit was discussed. The need for a Site Development Permit was later confirmed by the City of Austin on 9-4-12. A Site Development Permit will, and already has,

entailed significantly more time to address comments on a multiple review schedule and submittal process. We have encountered three and will encounter at least one more round of review (completeness check, formal intake submittal, 1st set of review comments re-submittal, and 2nd round of review comments re-submittal). The additional review has required task leads to meet with City reviewers and resolve comments. Part of the application process also includes the development of an Engineering Report and an Engineering Summary Letter. The extent of this work was more than scoped during the contract preparation and we are asking consideration of the additional items for payment:

- A. Multiple review cycles – estimated at 4 submittals. Because we would anticipate a typical 90% plan review, we are estimating the effort for 3 additional reviews.
- B. Meet one on one with City reviewers – estimate this will require up to 7 meetings.
- C. Prepare Engineering Report
- D. Prepare Engineering Summary Letter
- E. Title sheet – required to have specific general notes and information, additional signature blocks are required, a revisions/correction box is required, and a site plan release stamp is required.
- F. Add site plan release stamp to all plan sheets by providing an approval space in the lower right hand corner.
- G. Potential printing on 24x36 paper (12 sets) for the submittals will require additional direct expenses. So far, submittal sets have been printed in 11"x17" format and have been handled by the County.
- H. Printing final mylars in 24x36 format will require additional direct expenses.

4. TREE PROTECTION/MITIGATION

As a result of the location of pond 5 and the access road serving that pond, there is disturbance to existing trees south of the project ROW. The County has provided the survey information to locate the existing trees in this area. MWM was required to prepare a modification to their tree protection and mitigation plan to include any disturbances in this area and any necessary tree protection sheets.

5. PROJECT MANAGEMENT

Perform additional project management for the time associated with coordinating the permit and associated additional services. The additional contract extension due to permitting has also extended the anticipated months of project management.

6. EASEMENT/FIELD NOTES

- A. Review title commitment (approximately 59 instruments) for a proposed permanent slope easement (parcel 4738.06SE – Commerce Park at Harris Branch Lot 1, Blk A) and prepare a title letter. Initial scope for this tract did not include permanent easements.
- B. Revise the Trafalgar DE-A field notes, sketch, closure/area sheet and ROW map to reflect configuration modification.
- C. Revise field notes, sketches, closure/area sheets and ROW map to reflect modifications to Parcel 1-DE and 2-DE and creation of Parcel 1-AE and 2-AE.
- D. Prepare title letters for 4738.01DE, 4738.01SE (Austin HB Residential), 4738.02DE, 4738.02SE (Harris Branch MA) to address North American Title Company title commitments.
- E. Revise construction plan set labeling of easements.

7. DETENTION POND BUFFERING

There has already been a determination that four of the detention ponds proposed for the project will require screening or buffering from the public roadway per City of Austin, Texas

Environmental Criteria Manual. Proposed screening/buffering will be shown within the project limits. This additional effort will include:

- A. One site visit, one permit meeting and general team coordination.
- B. Landscaping plans
 - a. Provide plan sheets, details and calculations in accordance with Chapter 108 (Travis County) and the Environmental Criteria Manual (City of Austin) screening and buffering policies as applicable.
 - b. Provide design for on-site landscape improvements for 90/Permit and bidding submittals.
 - c. Provide response to permit review comments.
 - d. Provide temporary irrigation requirements for proposed landscaping to assist with establishment.
 - i. Client will identify potential locations for temporary connection(s) of irrigation system to water supply.
 - e. Provide applicable details, specifications and opinion of cost.
 - f. Provide the following sheets:
 - i. Landscape Plan with calculations.
 - ii. Landscape Details
 - iii. Landscape Specifications
 - g. Revise plan summaries, estimate and specifications to incorporate landscaping elements.

Bidding Phase:

1. DETENTION POND BUFFERING

- A. Bid Phase support to include answering questions during bidding, prepare any necessary addenda.