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FORT BEND COUNTY FY 2009  
COMMISSIONERS COURT AGENDA REQUEST FORM  
Return Completed Form by E-Mail to: Agenda Coordinator, County Judge's Office

Date Submitted: 05/06/2009 Submitted By: P.Batts  
Court Agenda Date: 05/12/09 Department: Engineering  
Phone Number: 281 633 7507

SUMMARY OF ITEM: Approve Payment of Invoice No. 5663 (Pay Estimate No.8) in the amount of \$119,210.00 to Othon, Inc. regarding the expansion of Ransom Road (from River Park to Main Street in FBC and Richmond, Texas), Mobility Bond Project #747, Precinct 1. Lawson P.O.#15769

RENEWAL AGREEMENT/APPOINTMENT YES  NO   
REVIEWED BY COUNTY ATTORNEY'S OFFICE: YES  NO

FINANCIAL SUMMARY:

BUDGETED ITEM: YES  NO

FUNDNG SOURCE: Accounting Unit: \_\_\_\_\_ Account Number: \_\_\_\_\_  
Activity (If Applicable): \_\_\_\_\_

DESCRIPTION OF LAWSOM ACCOUNT: \_\_\_\_\_

**Instructions to submit Agenda Request Form:**

- Completely fill out agenda form: incomplete forms will not be processed.
- Agenda Request Forms should be submitted by e-mail, fax, or inter-office mail, and all back-up information must be provided by Wednesday at 2:00 p.m. to all those listed below.
- All original back-up must be received in the County Judge's Office by 2:00 p.m. on Wednesday.

**DISTRIBUTION:**

Original Form Submitted with back up to County Judge's Office  (✓ when completed)  
If by E-Mail to [ospindon@co.fort-bend.tx.us](mailto:ospindon@co.fort-bend.tx.us) If by Fax to (281) 341-8609

Distribute copies with back-up to all listed below. If by fax, send to numbers below:

<input type="checkbox"/> Auditor (281-341-3774)	<input type="checkbox"/> Comm. Pct. 1 (281-342-0587)
<input type="checkbox"/> Budget Officer (281-344-3954)	<input type="checkbox"/> Comm. Pct. 2 (281-403-8009)
<input type="checkbox"/> Facilities/Planning (281-633-7022)	<input type="checkbox"/> Comm. Pct. 3 (281-242-9060)
<input type="checkbox"/> Purchasing Agent (281-341-8642)	<input type="checkbox"/> Comm. Pct. 4 (281-980-9077)
<input type="checkbox"/> Information Technology (281-341-4526)	<input type="checkbox"/> County Clerk (281-341-8697)
<input type="checkbox"/> Other:	<input type="checkbox"/> County Atty (281-341-4557)

**RECOMMENDATION / ACTION REQUESTED:**

Special Handling Requested (specify): \_\_\_\_\_



OTHON, INC.  
 11111 Wilcrest Green, Suite 128  
 Houston, Texas 77042

CONSULTING ENGINEERS  
 Civil, Transportation, Environmental,  
 Construction Management

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 othoncorp@othon.com E-MAIL  
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April 6, 2009

Fort Bend County Engineering  
 1124-52 Blume Rd. P.O. Box 1449  
 Rosenberg, TX 77471

Attn: D. Jesse Hegemier

Sequence No. 8  
 P.O. No. 15769  
 Invoice No. 5663  
 Project: Ransom Rd. Widening, Pct. 1.  
 Project No. 08229846  
 FBC Project No. 747  
 SPI NO. 300701.08

**Engineering Services through March 31, 2009**  
**Ransom Road: From River Park to Main Street in Fort bend County and Richmond Texas**

Contract Limits	Percent Complete	Invoiced to Date	Previously Invoiced	Amount of Invoice
WA #1 Presentation to Court \$5,000.00	67%	3,350.00	\$3,350.00	\$0.00
PER Update \$24,186.00	96%	23,218.56	\$23,218.56	\$0.00
WA #2 Richmond Extension Analysis \$9,205.00	100%	9,205.00	\$9,205.00	\$0.00
WA #3 TIA/Traffic Analysis \$29,938.00	100%	29,938.00	\$29,938.00	\$0.00
WA #4 Final Design Services \$590,379.00	20%	119,210.00	\$0.00	\$119,210.00

Total Due This Invoice

**\$119,210.00**

Thank You  
 Othon, Inc.

James G. Darden, P.E.  
 Chief Engineer Transportation

PLEASE RETURN A COPY OF THE INVOICE WITH PAYMENT.

**RANSOM ROAD**  
**WORK AUTHORIZATION # 1, #2, #3, #4**  
**MARCH 2009 PROGRESS REPORT**

**SERVICES TO BE PROVIDED BY THE ENGINEER**

The scope of engineering services to be provided by the Engineer shall consist of completing the project engineering for widening approximately 2.5 miles of Ransom Road in Fort Bend County, Texas. The engineering services FOR Work Authorization #1 shall be for the PER update and the preparation of a power point presentation to the Fort Bend County Commissioners Court. The engineering services for Work Authorization #2 shall be to evaluate alternative designs for the intersection of Ransom Road at Loop 762 in Richmond, Texas. Work Authorization #3 shall be to prepare a TIA for the proposed courthouse complex to be constructed by Fort Bend County on Ransom Road in Richmond, Texas and prepare a traffic analysis for alternate designs for the intersection of Ransom Road at Loop 762. Work Authorization #4 shall be for the preparation of the construction plans, specifications and estimate for the final design of the roadway widening of Ransom Road from northwest of Wheaton Street to Williams Way Boulevard.

Engineering Services:

**WA #1**- 91% Complete

No activity reported this period. Final preparation of PER document in process.

**WA #2** – 100% Complete

**WA #3** – 100% Complete

**WA #4** – 30% Complete

Final Design Activities (from November 2008 through March 30, 2009)

In general for this period, the preliminary geometrics developed during the PER stage have been reviewed and updated in conformance to County requirements. Updated design includes horizontal alignment revisions in the vicinity of the Courthouse Complex. Drawings have been prepared to the 30% stage as described below. Finalization of vertical profile and horizontal alignment in progress as coordination continues with required drainage ditch design and coordination with County Courthouse complex. Further detail as follows:

**Project Coordination:**

- 02-19-09. Conducted Project Kick-off meeting with Sub-consultants (LCR, RODS and GEOTECH). Reviewed milestone submittals, deliverable dates, and overall schedule. Distributed project electronic files and provided scoping and contract documents.
- 03-11-09. Project Scoping and Utility Meeting with S&P. Finalized project scoping, utility scope of services and engineering fee proposal.

- 03-21-09. Conducted survey prioritization meeting with RODS. Clarified limits of survey in accordance with scope and established critical sections to expedite design elements.
- 3-25-09. Geotechnical review meeting with Geotech. Finalized project boring locations for roadway, ditch side slope and outfall structure locations.
- 03-27-09. Drainage update meeting with LCR. Reviewed design cross-sections, identified problematic side slope issues throughout project, reviewed court house complex storm sewer issues and approach.

#### Final Design Activities:

- Horizontal Alignment. Verified PER horizontal alignment conforms to County criteria, designed adjustments as necessary. Conducted detailed analysis of horizontal curves near Pilgrim's Church and recording deviations from original design for future discussion with S&P.
- Vertical Profile. Updated and verified existing and proposed ROW elevations relative to original PER edge of pavement elevations. Prepared ditch side slope analysis for drainage design based on current vertical profile. Waiting on final survey update to conclude ROW elevations relative to roadway. Preparing final profile exhibits for recommendations and review with S&P.
- County Courthouse Complex. Analyzed proposed limits of curb and gutter section in horizontal curve at courthouse. Incorporated latest design of complex into final plan and profile drawings, and preparing working exhibits for coordination of final design geometrics. Complex drainage design relative to roadway drainage being analyzed for coordination meeting.
- Design Cross Sections. Programmed and generated design cross sections using GeoPak software for project limits. Prepared cut-sheets for design cross sections. Review of cross section confirms need to reanalyze vertical profile based on substandard ditch side slopes. Design evaluation in progress and updated survey required to complete conclusions.
- Drainage. In addition to courthouse complex review and ditch side slope analysis, began preparation of hydrologic report including overall drainage watershed map and detailed drainage area maps. Began analysis of two project outfalls at Rabb's Bayou and Pilgrim's Elementary School outfall channels. Preliminary findings and reports are scheduled for review with Fort Bend Drainage District in late April 2009.
- Utility Control Exhibit. Prepared preliminary utility location map relative to roadway and drainage elements for future development of utility conflict exhibits.
- Survey. Began survey update of DTM, outfall channel surveys and Courthouse Complex survey updates. Establishing baseline control and existing and proposed ROW mapping.
- Geotechnical. Began staking and drilling of proposed roadway and drainage bores for the project.
- Traffic Control Plan. Continued to develop and detail the preliminary three phase traffic sequence plan from PER.
- CADD Drawings. The following preliminary plan drawing have been prepared:
  - ◆ Cover Sheet and Proposed / Existing Typical Sections
  - ◆ Overall Project Layout Sheet

- ◆ Plan and Profile Sheets (27) at 1"=40', began detailing to extent possible.
- ◆ Preliminary Traffic Control Sheet (3 phase approach) with Advanced Warning Signs
- ◆ Utility Location Mapping
- ◆ Base Drawings for SWPPP development

#### **PROPOSED TASKS FOR APRIL-MAY 2009**

- Conclude and prepare preliminary hydrological analysis for meeting with Fort Bend Drainage District.
- Conclude analysis and prepare exhibits for Courthouse Complex incorporation to final design for meeting with S&P and Courthouse designers.
- Conclude analysis and recommendations for ditch side slope issues for meeting with S&P in late April including recommended adjustments to vertical profile. Review alternative approaches to obtain maximum side slopes.
- Complete pavement structure design recommendations with alternative estimates for meeting with S&P in late April 2009.
- Continue development of detailed roadway and drainage design drawings and estimate in preparation for 50% submittal in mid to late May 2009.