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CONSULTING ENGINEERS  
Civil, Transportation, Environmental,  
Construction Management

July 7, 2010

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

Attn: D. Jesse Hegemier

Sequence No. 22  
P.O. No. 15769  
Invoice No. 6302  
Project: Ransom Rd. Widening, Pct. 1.  
Project No. 08229846  
FBC Project No. 747  
SPI NO. 300701.08


**Engineering Services for June 1, 2010 to June 30, 2010**  
**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	100%	\$5,000.00	\$5,000.00	\$0.00
PER Update \$24,186.00	100%	\$24,186.00	\$24,186.00	\$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 *** \$1,061,838.00	85%	\$905,513.15	\$881,459.12	\$24,054.03
*** includes SWA #1 of \$58,255.00				
*** includes SWA #2 of \$53,058.00				
*** includes SWA #3 of \$360,176.00				

Total Due This Invoice

**\$24,054.03**

Thank You  
Othon, Inc.

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



# **RANSOM ROAD**

## **WORK AUTHORIZATION # 1, #2, #3, #4**

### **JUNE 1, 2010 THROUGH JUNE 30, 2010 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.

Work Authorization No. 4 (**WA #4**) has been amended with the following Supplemental Work Authorizations:

**Supplemental Work Authorization No. 1 (SWA #1, Approved July 2009):** Repackage original project limits into two separate PS&E packages; Phase 1 from Pilgrims to Williams Way and Phase 2 from Wheaton to Pilgrim. Prepare utility adjustment design and PS&E for the adjustment of 12" Waterline and 16" Force Main within the Phase 1 project limits.

**Supplemental Work Authorization No. 2 (SWA #2, Approved January 2010):** Prepare the horizontal and vertical design for revising the current open ditch design to proposed curb and gutter with Storm Sewer for Phase 1 and Phase 2. Prepare the conceptual drainage design with alternative outfall considerations, preliminary detention analysis, Master Drainage Report Update and preliminary storm sewer design to accommodate the curb and gutter design.

**Supplemental Work Authorization No. 3 (SWA #3, Approved February 2010):** Supplemental WA No. 3 will provide for the completion of the design and preparation of the Plans, Specifications and Estimates for the Project, Phase 1 and Phase 2 for the revisions related to redesign from the original proposed open ditch design to curb and gutter design including storm sewer as described in SWA #2.

#### **Engineering Services:**

**WA #1** – 100% Complete

**WA #2** – 100% Complete

**WA #3** – 100% Complete

**WA #4** – 85% Complete, Includes SWA 1, 2 and 3

## **Design Activities (from June 1, 2010 through June 30, 2010):**

### **PHASE 1:**

In general, June 2010 design activities continued with the update of various plan drawings from the 100% comments received in May 2010, as detailed below. The critical outfall to the Del Webb Amenity Lake system is detailed and complete, however, review by the Wessendorff Property Engineer continues through June 2010, and negotiations as to the design approach and apportionment of the storm sewer upsizing cost remains unresolved. These details continue to be coordinated with the County and the Wessendorff property. However, prior to finalizing and resubmitting 100% PS&E, the resolution to the Property Owner's questions and concerns is necessary. This issue continues to be reviewed in June and is expected to be resolved in July 2010.

The Phase 1 plans are considered by Othon as essentially complete with the exception of the coordination of H/H issues involved with the Del Webb Outfall and the Wessendorff Engineer's comments. Therefore, the following items remain in progress pending resolution:

- Update of Hydrologic Master Drainage Study (Phase 1 and 2)
- Update of drainage area mapping, storm sewer trunk line, drainage laterals, inlets, outfall details and hydraulic calculations, relative to the Del Webb Outfall at station 82+00 and possible downstream revision to FB 121, related to the negotiations required with the adjacent property owner.
- Update of traffic control redesign relative to the potential redesign of proposed storm sewer, and subsequent changes to temporary storm sewer elements.
- Update of SWPPP drawings updated for revised traffic control and proposed storm sewer design.
- Update of Project Manual and Project Construction Estimate.
- Update of final utility adjustment design for 16" Waterline and 12" Force Main at approximate station 81+00 to 90+00, in coordination with possible revision to final storm sewer trunk and lateral design.
- Update of project title sheet, indexing, standards.

Completion and resubmittal of 100% Phase 1 PS&E is scheduled for early August 2010.

### **PHASE 2: MAJOR ACCOMPLISHMENTS:**

Major design for Phase 2 continues in June with the following activities:

- Finalize typical sections
- Completion of pavement roadway geometrics and intersection layouts for the updated design described in SWA 3.
- Median opening locations and design.
- Driveway design.
- Updated horizontal alignment and vertical profile design completed and reviewed.
- Finalize design cross sections.



- Updated traffic control phasing and sequence approach.
- Continued coordination with City of Richmond for proposed drainage outfall at Gulfview Road.
- Continued traffic control assessment related to the redesign of the storm sewer elements.
- Continued coordination of proposed ROW adjustments at various parcels.

#### **MEETINGS**

<b>DATE</b>	<b>PURPOSE</b>	<b>ATTENDEES</b>
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No external meetings scheduled this period.

#### **PROPOSED TASKS FOR JULY 2010**

- Complete and submit Phase 1, 100% PS&E pending resolution of H/H issues with Wessendorff and FBC.
- Coordinate and resolve drainage issues related to proposed Phase 2 outfall at Gulfview Drive with City of Richmond and County.
- Continue final design for Phase 2 roadway revisions (horizontal and vertical alignments, preliminary drainage design).
- Prepare 50% Drawing Submittal for Revised Phase 2 drawing in August 2010.