November 21, 2012

Mr. Richard W. Stolleis, P.E. County Engineer Fort Bend County 1124 Blume Road Rosenberg, Texas 77471

Re:

Invoice No. 36 for Ransom Road (FBC Project No. 747)

Project No. 300701.12

Partial Payment for Work Authorization No. 4

Dear Mr. Stolleis:

We have reviewed the enclosed invoice by Othon, Inc., and recommend payment in the amount of \$6,504.34, as submitted. The percentage of completion for which the services have been invoiced appear to be consistent with the actual amount of work completed. Othon has also prepared a progress report, which is attached to the invoice for your review.

Please call me if you have any questions.

Sincerely,

Mark C. Dessens, P.E.

Muhismus

Project Manager

MCD/md Enclosure



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

CONSULTING ENGINEERS Civil, Transportation, Environmental, Construction Management

713 975 8555 TEL 713 975 9068 FAX othoncorp@othon.com E-MAIL www.othon.com WEBSITE

December 3, 2012

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

Attn: D. Jesse Hegemier

Sequence No. P.O. No.

15769

Invoice No.

7093R Ransom Rd. Widening, Pct. 1.

Project: Project No. FBC Project No. SPI No.

08229846

747 300701.08

Engineering Services for March 1,2012 to October 31, 2012 Ransom Road: From River Park to Main Street in Fort Bend County and Richmond Texas

Contract	Percent	Invoiced to	Previously	Amount of
Limits	Complete	Date	Invoiced	Invoice
WA #1				
Presentation to Court				
\$5,000.00	100%	\$5,000.00	\$5,000.00	\$0.00
		00,000.00		-
PER Update				
\$24.186.00	100%	\$24,186.00	\$24,186.00	\$0.00
5 1000000				
WA #2				
Richmond Extension Analysis				
\$9,204.00	100%	\$9,204.00	\$9,204.00	\$0.00
100 (000 000 000 000 000 000 000 000 000	1000000		V505-1818-8	9797.357.4
WA #3				
TIA/Traffic Analysis				
\$29,938.00	100%	\$29,938.00	\$29,938.00	\$0.00
WA#3 SWA#1		P00040# 0.11100401000		
\$34,318.00	100%	\$34,318.00	34,318.00	\$0.00
WA #4				
Final Design Services				
\$1,162,779.00	99.56%	\$1,157,641.69	\$1,151,137.35	\$6,504.34
*** includes SWA #1			37 8	125
of \$58,225.00				
*** includes SWA #2				
of \$53,058.00				
*** includes SWA #3				
of \$360,176.00				
***includes SWA #5				
\$100,941.00				
WA #5				
Bid and Construction Phase				
\$39,834.00	100%	\$39,834.00	\$39,834.00	\$0.00
WA #5 5WA #2		10000 to 100		
\$29,741.00	12%	\$3,527.52	\$3,527.52	\$0.00
Total Contract Amount	Total % Complete	Total Invoiced to Date	Total Prev Invoiced	

98%

\$1,335,000.00

\$1,303,649.21

\$1,297,144.87

Thank Y

Charles A Othon Project Manager

Total Due This Invoice

56,504.34

RANSOM ROAD

WORK AUTHORIZATION #1, #2, #3, #4, #5

March 1, 2012 through October 31, 2012 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:

- WA 4. 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.
- WA 4. 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.
- WA 4. 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.
- WA4 Supplemental Work Authorization No. 4 (SWA #4, Approved May 2011): Extend WA 4 Contract Termination from December 31, 2010 to December 31, 2012
- WA 4, Supplemental Work Authorization No. 5 (SWA #5, Approved October 2011): Supplemental WA No. 5 will provide for the revision of plans (Phase 2) related to a correction to ROW located in the area of the Eugene Heimann Justice Center. This revision will require a modified geometric to adjust the roadway within revised ROW widths, including the adjustment of storm sewers, traffic control plans, typical sections and utility plans within these limits.

Work Authorization No. 5 (WA #5) has been added including the following Supplemental Work Authorizations:

- <u>Work Authorization No. 5</u> (WA #5) has been approved and authorized as of September 2010. This authorization provides for engineering services related to the bidding and award phase of the project related to Phase 1 of the project, as well as construction related services as required.
- WA 5, Supplemental Work Authorization No. 1 (Approved January 17, 2011): Extend WA5 Contract Termination from December 31, 2010 to December 31, 2012)
- <u>WA 5 Supplemental Work Authorization No. 2 (Approved October 2011):</u> This authorization provides for engineering services related to the bidding and award phase of the project related to Phase 2 of the project, as well as construction related services as required.

Work Authorization No. 3 (WA #3) has been amended with the following Supplemental Work Authorizations:

WA 3, Supplemental Work Authorization No. 1 (SWA #1, Approved October 2011): Provide traffic studies for the proposed Front Street rehabilitation project (design not included in this contract).

Engineering Services:

WA #1 - 100% Complete

WA #2 - 100% Complete

WA #3 - 100% Complete

WA #3, SWA 1 - 100% Complete (See attachment for progress report)

WA #4 - 100% Complete, Includes SWA 1, 2, 3

WA #4, SWA 5 - 95% Complete

WA #5 - 60% Complete (Bidding and Construction Services), Includes SWA 1, SWA2

Design Activities (August 1, 2011 through October 30, 2011):

PHASE 1:

Phase 1 PS&E is complete, submitted, bid and awarded in September 2010. Construction is completed February 2012.

PHASE 2:

The plans, specifications and estimate have been substantially completed to the 100% stage of design as of March 31, 2011 for Phase 2 of the William's Way PS&E task. Below are the additional tasks required to complete the changes in the design described above.

PHASE 2 REVISIONS (WA4, SWA5):

In March 2011, during coordination with Justice Center Eugene Heimann Circle designers, it has been discovered that previous ROW plat provided by County, and used for the roadway design within the limits of the Justice Center, was in error. The correct plat has been confirmed by County. The result will be a revision to the final roadway design within these limits to revise the roadway radius from approximately 1320'R to 820'R. This revision, along with some additional drainage revisions required by the Justice Center design, is being evaluated by Othon for a supplemental work authorization proposal.

In September 2012, at the request of the County, Othon, Inc. and it's subconsultants evaluated possible revision to the Phase 2 Western project limits, to terminate Phase 2 Project at Legion Dr.. This evaluation included viability of new roadway transition to existing facility as well as temporary drainage features necessary to provide drainage to Golfview outfall, prior to the Rabb Bayou improvements. The assessment was completed and submitted to SPI in September 2012, and a fee proposal was prepared and submitted in October 2012.

Coordination of with Kelly Kaluza and Associates related to the final design of Golfview Drive and its impact on the Williams Way Phase 2 project occurred in September 2012. Review and comments were provided to KKA for roadway intersection, Traffic Control, utility and Drainage issues.

Coordination with Young Property Engineer occurred in July and August 2012 to evaluate the inclusion of a new driveway from the property as well as a dedicated median opening. Evaluation was provided to SPI in September 2012. This issue is pending further direction from County.

Coordination with City of Richmond for utility locate occurred in July and August of 2012. Three utilities were located by COR personnel, i.e. 12" waterline, 2" waterline and Sanitary Sewer under pavement at Eugene Heimann Circle West. RODS surveying performed field survey on the utility stakes, transferred to MicroStation topographic base file, and provided survey

notes. Additional survey was performed to identify new features at the Justice Center since the previous survey, including Manholes, waterline, Entrance Sign Structure, and completed pavement limits.

Design Progress WA4, SWA 5:

TASK 1 - Revise Roadway Geometrics (Horizontal and Vertical)

100% Complete. Updated geometrics are prepared and incorporated into final design documents.

TASK 2 - Revise Typical Sections

100% Complete.

TASK 3 - Revise Roadway Plan and Profile

99% Complete. Updated geometrics and utility evaluation completed and updates to plan and profile sheets. Storm sewer evaluation and final grade is complete.

TASK 4 - Eugene Heimann Circle Intersection Design

100% Complete. Intersection design is completed and coordination with City of Richmond has been performed.

TASK 5 - Revise Storm Sewer and SWPPP

90% Complete. Preliminary Storm Sewer Design and SWPPP layouts are complete. QA/QC review by Othon complete, revision and submittal by subconsultant in progress. Ongoing coordination with Kaluza Engineering for roadway and drainage interface design at Golfview.

TASK 6 - Revise Geopak Cross Sections

100% Complete. Geopak Cross sections are complete, incorporating the revised roadway geometrics, storm sewer, sidewalks and utilities.

TASK 7 - Revise Traffic Control Plans

100% Complete. Traffic control plans are completed for Phase 2 Williams Way.

TASK 8 - Utility Evaluation

100% Complete. Utility evaluation and adjustment completed based on revised roadway geometrics. Evaluation of proposed storm sewer conflicts has been completed. Coordination with City of Richmond and SPI was conducted in February 2012, identifying the potential conflicts and proposed adjustments necessary.

TASK 9 - Revise Signing and Pavement Markings

100% Complete. Update of the signing and pavement marking plans due to the revised roadway geometrics is completed.

TASK 10 - Update Survey

100% Complete. Recent Survey to obtain utility Stake Information provided by City of Richmond, update topographic features near the Justice Center, Evaluation of existing utility survey.

TASK 11 - Utility Adjustment Design

95% Complete. Evaluation and preliminary utility relocation concepts are completed. Evaluation of proposed storm sewer accommodation is in progress. Recent utility locates performed and new survey is being evaluated for design of adjustments.

WA #5 (Bidding and Construction Services):

No work required this period.

MEETINGS -

DATE	PURPOSE	ATTENDEES
09-10-2012	Golfview Coordination	KKA, SPI, Othon, LCR
09-16-2012	Phase 2 Project Limit Revisions, Drainage Feasibility	Othon, LCR

Several internal meetings with Subconsultant this period.

PROPOSED TASKS FOR NOVEMBER 2012

- Complete WA 4, SWA 5 revision design to 100% stage. Submit final plans.
- 2. Evaluation of Project Limit Revisions with SPI and County.



LCR, INC. MAN-HOUR ESTIMATE

FORT BEND COUNTY PRECINCT 2 - MOBILITY PROJECT
RANSOM RD WIDENING - STORM SEWER DESIGN

PROJECT LIMITS: FROM WHEATON TO WILLIAMS WAY
FORT BEND PROJECT NO. 747.

WORK AUTHORIZATION NO. 4

SUPPLEMENTAL WORK AUTHORIZATION NO. 5

DEALYBAGE EN PHASE

DATE: 10/4/2012

For Professional Services through:

9/30/2012

Invoice No. 11492

P. 1 OF 1

FOR WORK COVERING REVISIONS NECESSARY TO ACCOMMODATE REVISED ROW ALIGNMENT IN FRONT OF JUSTICE CENTER AND FOR GOLFVIEW STORM SYSTEM

			-	ATE - HOURLY						
CLASSIFICATION	PRINCIPAL	PROJECT MANAGER	SR. STAFF ENGINEER 1	SENIOR STAFF ENGINEER II	TECH 1	CLERICAL	HOURLY TOTALS	LABOR COSTS		
RAW SALARY	\$ 57.69	\$ 36.05	\$ 36.05	\$ 28.33	\$ 20.00	\$ 13.33	1			
BILLABLE RATE	\$ 167.99	\$ 104.98	\$ 104.98	\$ 82.50	\$ 58.24	\$ 38.82				
mport Revised Alignment provided by Othon, Adjust Stationing	1.00	1.00		16.00	8.00		25.00	\$ 2,058.8		
Adjust Manholes and Storm Lines in Plan & Profile, extend Golf Vlew storm line to pick up 100-yr developed runoff from JC to EHC at Legion		6.00		20.00	60.00		86.00	\$ 5,774.2		
Revised inlet Drainage Areas and Hydraulic Calcs, Include portion of EH Circle at Hillcrest	4.00	25.00		14.00	20.00		63.00	\$ 5,616.17		
Add Justice Center Restrictor Extension to Allow Fill for Sign. Stub 60" Storm for Future JC Storm Outfall. Confirm erosion protection in Rabbs Bayou outfall.		2.00		8.00	8.00		18.00	\$ 1,335.85		
Omit Ditch Interceptors as necessary for final JC Design		1.00		1.00	2.00		4.00	\$ 303.95		
Revise Storm Laterals P&P		4.00		6.00	8.00		18.00	\$ 1,380.81		
Revise SWPPP		3.00		6.00	8.00		17.00	\$ 1,275.83		
. Revise Quantitites	2.00	12.00		6.00	8.00	2.00	30.00	\$ 2,634.25		
90% Review Submittal	6.00	16.00		14.00	14.00	20.00	70.00	\$ 5,434.26		
100% Review Submittal							-	\$ -		
							-	\$ -		
A, Total Contract	13.00	70.00		91.00	136.00	22.00	332.00	\$25,814.18		
B. Total Billed To Date (D+E)	8.50	64.00		81.00	115.00	17.00	285.50	22,186.25		
C. Remaining Contract (A-B)	4.50	6.00		10.00	21.00	5.00	46.50	3,627.93		
D. Previous Billed	6.00	60.00		75.00	110.00	16.00	267.00	\$20,521.36		
E. Current Billing	2.50	4.00	1	6.00	5.00	1.00	18.50	\$1,664.89		

RODS Surveying, Inc. 6810 Lee Road, Suite 100 Spring, Texas 77379

(281) 257-4020

FAX (281) 257-4021

INVOICE NUMBER:

12737

10/15/2012

Othon, Inc.

Attn: Rita Rowan

11111 Wilcrest Green, Suite 128

Houston, TX 77042

RODS Job No:

203-20817-000

PROJECT:

Ft Bend County Precint 2 - Mobility Project

Ransom Rd Widening - Wheaton St to Williams Way

Supplemental Surveys

Topographic Surveys of Revised Ransom Rd ROW front on

the Gus George Academy

PROFESSIONAL SERVICES rendered in connection with surveying services as of 10/14/2012.

Description	Quantity	Unit	@	Rate	Amount				
4-Man Field Party	8	hrs.	9	146.00	\$ 1,168.00				
3-Man Field Party	15	hrs.	9	133.00	\$ 1,995.00				
2-Man Field Party		hrs.	\$	107.00	\$ 				
GPS (3 day x 1 receiver x \$350)		hrs.	\$	350.00	\$ -				
RPLS		hrs.	\$	107.00	\$ 5				
Survey Technician	5	hrs.	\$	74.00	\$ 370.00				
CADD Technician	12	hrs.	\$	74.00	\$ 888.00				
CADD Workstation	12	hrs.	\$	15.50	\$ 186.00				
Clerical		hrs.	\$	44.00	\$ -				
Delivery			\$	-	\$				
Mileage	233	miles	\$	0.555	\$ 129.32				
			SU	BTOTAL	\$ 4,736.32				
	\$ 2,288.40								
	LESS A	DJUST	IMEN	T MADE	\$ 2,447.92				
	TO	TAL A	JOM	NT DUE	\$ 2,288.40				

Approved | SQ

APPROVED FOR PAYMENT

O 8 22 99 4 6 Date

Page 1

OTHON INC.

OCT 2 2 2012

RODS SURVEYING, INC. DAILY REPORT

PROJECT: JOB NO. CLIENT:	RANSON RD 203-20817-000 OTHON		DATE: /0-8-/2 Overnight stay: Yes / No
	NAME	HOURS	
PARTY CHIE INST. MAN: CHAINMAN: CHAINMAN:	F: Loys A. 36NA J LEE D. JUAN B. Person Crew	8	Unit No: 7 Odometer: end: 114629 beg: 11509 Total Mileage: 120 Weather:
DESCRIPTION			
	ToPo		
Equipment Used:			
GPS (Static Sur	vey) (No. Units) =	GPS (RTK W/Radios)	Total Station W/ Data Collector
Pipeline Locator		y Points: <u>24</u>	Construction Footage:
		Party Chief Si	160 =
		RODS SURVEYING, IN DAILY REPORT	VC.
PROJECT: JOB NO CLIENT:	Ranson 11a 2n117000 nthow enc		DATE: 10-09-12. Overnight stay: Yes / No
PARTY CHIEF: INST. MAN: CHAINMAN: CHAINMAN:	NAME Sova J David L Alixhold, A. Person Crew @	HOURS	Unit No: 14 Odometer: end: beg: 92771 Total Mileage: Weather: 850 PCLOUDY
DESCRIPTION:	Topo and X-SEC	77625	
Equipment Used:			
2.	and Ole Visite)		
		PS (RTK W/Radios)	Total Station W/ Data Collector
Pipeline Locator	☐ Topographic Survey	Points:	Construction Footage:
		Party Chief Sign	nature:

RODS SURVEYING, INC. DAILY REPORT

JOB NO. 208	7000 on Eag.		DATE: Overnight stay:	10-10-12 Yes //No
	NAME	HOURS		
INST. MAN:	Sona J. avid. L. ichille R	7 7 7	Unit No: Odometer: end: beg: Total Mileage: Weather:	93006 92893 113 85 P. CLOUDY
DESCRIPTION:	opo intersection as			in Water con
Equipment Used:				
GPS (Static Survey) (No. U	nits) = GPS (RT	K W/Radios)	Total St	ation W/ Data Collector
Pipeline Locator	Topographic Survey Points:		Construction Foo	tage:
		Party Chief Sign	ature:	

EMPLOYEE:
JOB TITLE:

SIGNATURE: Same

SHANNON STOKLEY CADD TECHNICIAN

HILDA S. OBREGON LEASE PRESIDENT

Sheet I of I Sheets

PAY PERIOD: Oct 1st 2012 to Oct 14th 2012

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JOB TITLE: EMPLOYEE:

RICHARD STOKLEY CERTIFIED SURVEY TECHNICIAN

PRESIDENT (Mary less HILDA S. OBREGON LEASE

Sheet I of I Sheets

PAY PERIOD: Oct 1st 2012 to Oct 14th 2012

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Signature certifies recorded hours of work are accurate!