



AGENDA
DRAINAGE DISTRICT- CONSENT
BOARD OF DIRECTORS
October 22, 2013
9:00 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a REGULAR MEETING of the Drainage District #1 Board of Directors will be held at the Edinburg Council Chambers 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

NOTICE TO THE PUBLIC
CONSENT AGENDA

The following items are of a routine or administrative nature. The Drainage District #1 Board has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.

1. Approval of check register and payment of claims and bills - County Treasurer
2. **AI-41098** Discharge Permit:
Three Rupperts I,LLC - Loma Verde Subdivision No.3
3. **AI-41110** 2013 Bond Series
Approval of invoices for Melden & Hunt, Inc. for the following:
invoice #0058043 for Rado Drain, Pct. 2 Basic Services in the amount of \$18,071.34,
PO#622613.
invoice #0058043 for Rado Drain, Pct. 2 Special Services in the amount of \$2,500.00,
PO#622596.
4. **AI-41131** 2013 Bond Series
Approval of invoices for R. Gutierrez Engineering Corporation for the following:
invoice #3411 for R-K Rural Drain Development Prog.Pct.2 in the amount of \$8,300.00, PO#622675
invoice #3409 for R-K Alamo Exp Drain/S floodwater Channel in the amount of \$25,000.00, PO#622674

Approval of invoices for TEDSI Infrastructure Group for the following:
invoice #20131681 WA#15 for SH68 Seg.D Pct. 1 in the amount of \$27,924.39,
PO#623261
invoice #20131659 for Rural Drainage Plan Review in the amount of \$3,658.87
PO#623010

5. **AI-41134** 2013 Bond Series
Approval of invoice #11324547 WA#2 for L&G Engineering on La Joya Watershed Improvement Project in the amount of \$24,828.04, PO#622697
6. **AI-41174** Approval of invoice #1 for FJW Construction as it relates to Mile 171/2 Road Project, in the amount of \$165,674.30, PO#623156. (ICA approved March 05, 2013 btw Hidalgo County, HCDD1, McAllen & Edinburg School Districts)
7. **AI-41336** Request approval of the following invoices for L & G Consulting Engineers Inc relating to 2013 District Bond Series Projects.
- | | | | | |
|---------------------------------------|-------------|---------------------|-------------------|---------|
| WA #1 | p.o. 623106 | Invoice #11324566 | for \$ 23,073.94 | SH68 |
| TxDot Roadway Watershed | | | | |
| WA #2 | p.o. 623105 | Invoice #11324563 | for \$ 177,738.48 | |
| Mission Inlet Recertification Project | | | | |
| WA #1 | p.o. 622086 | Invoice #11324564-A | for \$ 56,705.07 | La |
| Joya Water Shed Improvement | | | | |
| WA #1 | p.o. 622540 | Invoice #11324565 | for \$ 56,459.64 | Mission |
| Inlet Recertification Project | | | | |

AI-41098

2.

DRAINAGE - CONSENT

Meeting Date: 10/22/2013

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit:
Three Rupperts I,LLC - Loma Verde Subdivision No.3

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/08/2013 09:08 AM
Final Approval	Monica Badillo	10/18/2013 04:01 PM
Form Started By: Sylvia Sanchez		Started On: 10/07/2013 08:46 AM
	Final Approval Date: 10/18/2013	

AI-41110

3.

DRAINAGE - CONSENT

Meeting Date: 10/22/2013

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bond Series

Approval of invoices for Melden & Hunt, Inc. for the following:

invoice #0058043 for Rado Drain, Pct. 2 Basic Services in the amount of \$18,071.34, PO#622613.

invoice #0058043 for Rado Drain, Pct. 2 Special Services in the amount of \$2,500.00, PO#622596.

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/08/2013 10:01 AM
Final Approval	Monica Badillo	10/18/2013 04:01 PM
Form Started By: Sylvia Sanchez		Started On: 10/07/2013 04:25 PM
	Final Approval Date: 10/18/2013	

AI-41131

4.

DRAINAGE - CONSENT

Meeting Date: 10/22/2013

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bond Series

Approval of invoices for R. Gutierrez Engineering Corporation for the following:

invoice #3411 for R-K Rural Drain Development Prog.Pct.2 in the amount of \$8,300.00, PO#622675

invoice #3409 for R-K Alamo Exp Drain/S floodwater Channel in the amount of \$25,000.00, PO#622674

Approval of invoices for TEDSI Infrastructure Group for the following:

invoice #20131681 WA#15 for SH68 Seg.D Pct. 1 in the amount of \$27,924.39, PO#623261

invoice #20131659 for Rural Drainage Plan Review in the amount of \$3,658.87 PO#623010

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/08/2013 04:42 PM
Final Approval	Monica Badillo	10/18/2013 04:01 PM
Form Started By: Sylvia Sanchez		Started On: 10/08/2013 04:06 PM
	Final Approval Date: 10/18/2013	

AI-41134

5.

DRAINAGE - CONSENT

Meeting Date: 10/22/2013

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

2013 Bond Series

Approval of invoice #11324547 WA#2 for L&G Engineering on La Joya Watershed Improvement
Project in the amount of
\$24,828.04, PO#622697

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Ivan Cantu	10/08/2013 04:41 PM
Final Approval	Monica Badillo	10/18/2013 04:01 PM
Form Started By: Sylvia Sanchez		Started On: 10/08/2013 04:31 PM
	Final Approval Date: 10/18/2013	

AI-41174

6.

DRAINAGE - CONSENT

Meeting Date: 10/22/2013

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Approval of invoice #1 for FJW Construction as it relates to Mile 171/2 Road Project, in the amount of \$165,674.30, PO#623156. (ICA approved March 05, 2013 btw Hidalgo County, HCDD1, McAllen & Edinburg School Districts)

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/10/2013 01:56 PM
Final Approval	Monica Badillo	10/18/2013 04:02 PM
Form Started By: Sylvia Sanchez		Started On: 10/09/2013 05:20 PM
	Final Approval Date: 10/18/2013	

AI-41336

7.

DRAINAGE - CONSENT

Meeting Date: 10/22/2013

Submitted For: Godfrey Garza Jr.

Submitted By: Lora Briones, DRAINAGE DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Request approval of the following invoices for L & G Consulting Engineers Inc relating to 2013 District Bond Series Projects.

WA #1	p.o. 623106	Invoice #11324566	for \$ 23,073.94	SH68 TxDot Roadway Watershed
WA #2	p.o. 623105	Invoice #11324563	for \$ 177,738.48	Mission Inlet Recertification
Project				
WA #1	p.o. 622086	Invoice #11324564-A	for \$ 56,705.07	La Joya Water Shed Improvement
WA #1	p.o. 622540	Invoice #11324565	for \$ 56,459.64	Mission Inlet Recertification
Project				

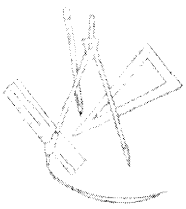
BACKGROUND

Attachments

- [first invoice landg](#)
- [second invoice landg](#)
- [third invoice landg](#)
- [forth invoice landg](#)

Form Review

Inbox	Reviewed By	Date
Budget & Management	Obdett Calzada	10/18/2013 03:18 PM
Final Approval	Monica Badillo	10/18/2013 04:02 PM
Form Started By: Lora Briones		Started On: 10/18/2013 02:21 PM
	Final Approval Date: 10/18/2013	



October 1, 2013

Mr. Godfrey Garza – District Manager
Attn: Ms. Lora Briones – Chief Financial Officer
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RE: Hidalgo County Pct. 4 - SH68 TxDOT Roadway Watershed Study

Job #130501
P.O. #623106

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of September 2013 on the subject referenced project.

The following is attached:

- L&G's Invoice #11324566
- CD w/ Electronic Files of Data (Exhibits/Calcs./Models/Misc. Info) for:
 - Task 1 (11001), Task 2 (13009), Task 3 (10201), Task 4 (10202), Task 7 (16107), Task 8 (16102)
 - Task 7a (FC16170 (SUB))
 - Civil Systems Engineering, Inc. – Monthly Progress Report #1 – September 2013
 - Civil Systems Engineering, Inc. – Invoice (#201366)

TASK		% COMPL
11001 ~ Task #1 – SH68 Proj. Schem./Exhibit w/ HCDD#1 Exist. & Prop. Facilities	L&G	84.5%
Update – L&G has continued updating an exhibit showing “Technically Preferred Alignment” and HCDD #1 facilities based on expanded areas affecting the project site (in concert with investigations of drainage area by CSE & L&G – additional drainage areas and changes in sub-basin delineation). The updated exhibit is a work in progress, however a general overview map has been provided on the attached CD in .pdf format (also GIS shape files can be found in the Task 7a folder and map in Task 8).		
13009 ~ Task #2 – Identification of All Affected Prop. Owners (Appraisal Dist. Info)	L&G	61.3%
Update – L&G has provided QA/QC of all Appraisal District Info gathered based on general researched title information (ROW Admin.). All additional information gathered based on expansion of drainage channels primarily on the southwest and east of the project have been verified. All Appraisal District information as previously provided was verified correct and has not changed from prior submittal (is re-attached) on the attached CD in GIS format.		

10201 ~ Task #3 – Review of Previous Studies Done on and Within Project Area	L&G	60.2%
Update – L&G has continued coordination with HCDD#1, as well as Hidalgo County Pct #4 on obtaining H&H studies and/or work done within this project area to date. In addition, we have continued researching all ditch construction documentation completed within the last 3-5 years in the vicinity of the project and rainfall data for local hurricanes – Hurricane Beulah (precipitation data tables) and Hurricane Dolly (gridded precipitation data GIS shape files – attached on CD).		
10202 ~ Task #4 – Support to HCDD#1 on Project Development	L&G	39.2%
Update – L&G has again met with TxDOT to discuss the progress of the project (new District Engineer). Electronic hydrologic maps and overall limits were discussed. The “Design Consultant” for the project is currently coming on board with them (RJ Rivera) and we expressed a need to get a Project Kick Off meeting scheduled before the end of the year (as discussed with HCDD #1).		
10203 ~ Task #5 – Coord. w/TxDOT & SH 68 Design Engs of Record	L&G	5.0%
No Update – See Progress Report Dated September 9, 2013		
16107 ~ Task #7 – Coord. & Support to Hydraulic Engineer for Hydraulic Analysis and HEC-HMS Model Creation	L&G	31.4%
Update – L&G has continued working with CSE on the initial creation of the existing condition HEC-HMS Model and refined delineation of the sub-basins and overall watershed area (see Task #1 and Task #8). L&G has modified mapping w/ GIS software of watershed limits of the SH68 project. L&G and CSE have developed modifications to the initial watershed and have begun large scale analysis component of the HEC-HMS model (overall observations).		
16170 (SUB) ~ Task #7a – H&H Modeling	CSE	10.0%
Update – See progress report from CSE titled “SH68 H&H Study – Monthly Progress Report #1” September, 2013 for a detailed explanation of the work that has been completed during this billing period.		
16102 ~ Task #8 – Hydrologic Map for SH68 (Overall Contributing Water Basin & Small Drainage Areas)	L&G	69.0%
Update – L&G continued refining preliminary ‘Drainage Area’ exhibit with overall watershed and individual sub-basins based on contours and LiDAR based on discussions w/ CSE. The exhibit is being modified (work in progress) and is included on the attached CD (2 versions – old vs. new delineations and overall map).		
Direct Expenses	L&G	21.4%
No Update – See Progress Report Dated September 9, 2013		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 583-7117.

Sincerely,



P.E., C.F.M.

Reza Badiozzaman, P.E., C.F.M.
Senior Project Manager
L&G Engineering

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11324566
INVOICE DATE: 9/30/2013

BILL TO:
Hidalgo County Drainage District#1
902 N. Doolittle
Edinburg, TX 78542

JOB:130501
SH68 TxDOT Roadway Watershed
WA#1
P.O.#623106

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of September 2013.						
FC 11001 - Task 1 - Overall SH68 Project Schematic/Exhibit	7,868.52	6,012.26	633.52	6,645.78	84.5	1,222.74
FC 13009 - Task 2 - Ident. of all affected property Owners	10,269.50	5,429.34	861.60	6,290.94	61.3	3,978.56
FC 10201 - Task 3 - Rev. of previous studies on proj. area	7,534.26	4,029.36	570.20	4,599.56	60.2	3,034.70
FC 10202 - Task 4 - Support to HCDD#1 on Proj. Development	37,442.36	12,024.68	2,654.54	14,679.22	39.2	22,763.14
FC 10203 - Task 5 - Coord. w/TxDOT & SH68 Design Engrs of reco	24,581.60	1,222.74		1,222.74	5.0	23,358.86
FC 17007 - Task 6 - Field Recon. for I.D. and logging	18,962.10			0.00	0.0	18,962.10
FC 16107 - Task 7 - Coord. & Supp. To Hydraulic Engineer	21,223.80	4,314.42	2,350.46	6,664.88	31.4	14,558.92
FC 16170 - Task 7a - Ph. I - Ext. Conditions of H&H Modeling	121,885.00		12,183.36	12,183.36	10.0	109,701.64
FC 16102 - Task 8 - Hydro Map for SH 68	28,256.00	15,667.50	3,820.26	19,487.76	69.0	8,768.24
FC 12001 - Task 9 - Pub. Invt for Vetting of Loc. Of Outfalls	20,273.60			0.00	0.0	20,273.60
FC 16401 - Task 10 - Prelim. Eng Report Summarizing Findings	27,050.74			0.00	0.0	27,050.74
	<u>325,447.48</u>	<u>48,760.30</u>	<u>23,073.94</u>	<u>71,774.24</u>		<u>253,673.24</u>
Direct Expenses	3,625.00	775.00		775.00	21.4	2,850.00
	<u>3,625.00</u>	<u>775.00</u>	<u>0.00</u>	<u>775.00</u>		<u>2,850.00</u>
TOTALS:	<u>329,072.48</u>	<u>49,475.30</u>	<u>23,073.94</u>	<u>72,549.24</u>	<u>22.0</u>	<u>256,523.24</u>


PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM	\$	329,072.48
CHANGE BY CHANGE ORDER	\$	0.00
CONTRACT SUM TO DATE	\$	329,072.48
TOTAL COMPLETED TO DATE	\$	72,549.24
LESS PREVIOUS INVOICES	\$	49,475.30
CURRENT PAYMENT DUE	\$	23,073.94

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

SH68 TxDOT Roadway Watershed Study WA#1

Reference:Inv#11324566

Date:09/30/13

P.O.#623106

	Hrs		Rate	Total
Senior Project Manager	11.00	X	215.40	\$2,369.40
Senior Engineer	20.00	X	167.89	\$3,357.80
Design Engineer	27.00	X	114.04	\$3,079.08
Senior Engineering Technician	14.00	X	79.19	\$1,108.66
ROW Administrator	8.00	X	107.70	\$861.60
Admin/Clerical	2.00	X	57.02	\$114.04

Grand Total of Hours

\$ 10,890.58
 \$ -

(Difference due to rounding hours)

Invoice Summary

Man Hours **\$ 10,890.58**
 Sub Contract **\$ 12,183.36**

(See Attached Sub Invoice for Man Hour Breakdown)

Direct Expenses	Current Units		Rate		
20 ft. Long by 3 ft. Tall Hydro Map (60sq. Ft) @\$5.00/sq. ft - 5 prints	0	X	300.00	\$	-
8.5 X 11 Copies (i.e. Corr. w/Landowners) - (2,000 units)	0	X	1.00	\$	-
11 X 17 Copies (Various Applications & Exhibits) - 750 units	0	X	1.50	\$	-
				\$	-
				\$	-

(Difference due to rounding)

Total Per Invoice Submitted

\$ 23,073.94



Civil Systems Engineering, Inc.

2299 Lone Star Drive, Ste 239
Sugar Land, Texas 77479
(713) 782-3811

INVOICE

Engineering Services
SH68 H&H Study

L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570
Attention: Mr. Reza Badlozzamani, P.E.

CSE Invoice Number: 201366
CSE Project Number: LG2013014
Invoice Period: 8/27/2013 Through 9/25/2013
Invoice Date: September 25, 2013

Contract Amount	\$121,885.00	Contract Amount Remaining	\$109,701.64
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Employee Classification	Rate	Previous		This Period		To Date	
		Hr	Total	Hr	Total	Hr	Total
Project Manager	\$178.36	0.0	\$0.00	16.0	\$2,853.76	16.0	\$2,853.76
Project Engineer	\$164.64	0.0	\$0.00	40.0	\$6,585.60	40.0	\$6,585.60
GIS Specialist	\$137.20	0.0	\$0.00	20.0	\$2,744.00	20.0	\$2,744.00
Subtotal			\$0.00		\$12,183.36		\$12,183.36

Deren Li, Ph.D., P.E., D.WRE
Project Manager

TOTAL FEE EARNED:	\$12,183.36
LESS PREVIOUSLY INVOICED:	\$0.00
TOTAL AMOUNT DUE THIS INVOICE:	\$12,183.36

SH68 H&H Study
Monthly Progress Report No. #1 - September

Period of Coverage: September, 2013
Date of Submittal: September 25, 2013
Submitted To: Reza Badiozzamani, P.E.
Prepared By: Civil Systems Engineering Inc.

This study covers the following activities:

1. Project coordination and meetings
2. Data collection
3. Site visits
4. LiDAR data and field survey data processing
5. Drainage basin delineations
6. Estimation of hydrologic and drainage parameters
7. Gamma function based unit hydrographs development
8. Existing conditions HEC-HMS modeling analysis
9. Proposed conditions HEC-HMS modeling analysis
10. Determination of runoff impacts and preliminary mitigation volumes.
11. Existing and proposed HEC-RAS modeling analysis for stream crossing
12. Evaluation of proposed crossing structure configurations
13. Determination of water surface profiles
14. Outfall determination
15. Documentation and report

PROGRESS TO REPORT FOR THIS PERIOD

Activity 1 – Coordination and Meetings

Meeting and coordination with L&G and HCDDI

Activity 2 – Data Collection

LiDAR data processing – generate hydrologic corrected DEM data set for the project

Activity 3 – Site Visits

Activity 4 – LiDAR Data and field survey data Processing

Processed LiDAR DEM data

Activity 5 – Drainage Basin Delineations

Performed preliminary drainage area delineations using ArcHydro and Spatial Analyst tools. Due to the hydrologic connections for the project and upstream watershed, delineations were performed for the entire Main Floodwater Channel watershed.

Activity 6 – Estimation of hydrologic and drainage parameters

Calculated depressed areas and volumes within each sub catchment for initial loss estimation by performing Raster Calculations within ArcGIS

Activity 7 – Gamma Function HEC-HMS modeling analysis

Activity 8 – Existing Conditions HEC-HMS Modeling Analysis

Activity 9 – Proposed Conditions HEC-HMS Modeling Analysis

Activity 10 – Impacts and Mitigation Volumes

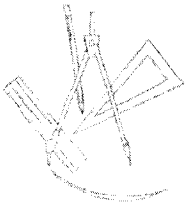
Activity 11 – Existing and Proposed HEC-RAS modeling analysis

Activity 12 – Evaluation of proposed crossing structure configurations

Activity 13 – Water surface profiles

Activity 14 – Outfalls

Activity 15 – Report



Mr. Godfrey Garza – Executive Director
Attn: Ms. Lora Briones – Chief Financial Officer
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RE: Work Authorization #2 on Mission Inlet Recertification Project

Job #130202
P.O. #623105

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of September 2013 on the subject referenced project.

The following is attached:

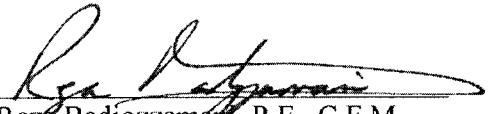
- L&G's Invoice #11324563
- CD w/ Electronic Files of Data (Exhibits/Calcs./Models/Misc. Info) for:
 - Task 1 ~ FC13001, Task 2 ~ FC15001, Task 4 ~ FC11004, Task 6 ~ FC16301, Task 7 ~ FC16302
 - Task 3 ~ FC15010 - SUB
 - R.O.W. Surveying Services – Monthly Progress Report and Invoice (#13-1004) – September 2013
 - Task 5 ~ FC11040 - SUB
 - L&G Eng. Lab. – Monthly Progress Report and Invoice (#7860) – September 2013

TASK		% COMPL
FC13001 – Task 1 ~ ROE / NOA on Affected Parcels (Est. 10 Land Owners)	L&G	100%
Update – L&G has finalized verification of property information as referenced from Hidalgo County Appraisal District data and review of Title Company property easement information. This task is completed.		
FC15001 – Task 2 ~ Coord. w/ Surveyor for Design and Levee/Embankment Mapping	L&G	88%
Update – L&G has conducted 1 mtg. w/ Surveyor (combined monthly) this period to ensure that the necessary survey data is being retrieved in the field and illustrated correctly in the submittals. L&G has reviewed the DTM, Control Data, XYZ pts of Bore Logs collected and Contours generated for both South and North Levee (primary completion - partial).		
FC15010 – Task 3 ~ Sub Design & Levee/Embank Map Surveying	ROW SS	87.4%
Update – See ROWSS Progress Report & Invoice attached dated September 25, 2013.		

FC11004 – Task 4 ~ Coord. w/ Geo Sub – Boring Locations, Testing, USACE Comp.	L&G	93.2%
Update – L&G continued close coordination with our sister company L&G Engineering Laboratory on final drilling and testing scheme to allow for continuation of geotechnical analyses and overall project development. Project drilling was completed this period. L&G ensured that the drilling/testing plan and analyses being provided complied with the current requirements of the USACE and USIBWC.		
FC11040 – Task 5 ~ Sub Div. III Borings for Geo. Analysis of Protect Embank/Levees	L&G Lab	84.5%
Update – See L&G Lab Progress Report & Invoice attached dated September 27, 2013.		
FC16301 – Task 6 ~ Research Requirements of Private Levee Certification by FEMA	L&G	76.6%
Update – L&G has continued the process of identifying the necessary steps to obtain levee certification/accreditation on this stretch of the Mission Inlet Project (a critical component of the desired re-mapping effort). In addition, L&G has continued ensuring field activities and lab testing will support USACE levee evaluation through NFIP program documents for inspection of existing levee system as a function of this task.		
FC16302 – Task 7 ~ Research Requirements for Levee Certification (USIBWC)	L&G	78.8%
Update – L&G has continued researching pertinent documentation identifying necessary deliverables that are required for levee certification for the portion of the project with USIBWC jurisdiction. L&G has verified that prop Geo inv. Plan, testing scheme and geo analyses specified at delineated section meets the requirements. Lastly, L&G has continued investigating USACE levee evaluation through NFIP program documents for inspection of existing levee system (see task 6).		
Direct Expenses	L&G	62.9%
No Update – See Progress Report Dated September 2, 2013		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 583-7117.

Sincerely,


P.E., C.F.M.
 Reza Badiozamani, P.E., C.F.M.
 Senior Project Manager
 L&G Engineering

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11324563
INVOICE DATE: 9/30/2013

BILL TO:
Hidalgo County Drainage District#1
902 N. Doolittle
Edinburg, TX 78542

JOB:130202
Mission Inlet Recertification Project
WA#2
P.O.#623105

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of September 2013.						
FC 13001 - Task 1 - ROE/Notice of Activity on Aff. Parcels	13,963.72	11,194.00	1,869.72	13,063.72	100.0	-
FC 15001 - Task 2 - Coord w/Sury for Design and Levee/Embank	13,670.52	9,445.54	2,585.98	12,031.52	88.0	1,639.00
FC 15010 - Task 3 - Sub: Design & Levee/Embank Map Surveying	118,330.00	56,562.00	46,916.00	103,478.00	87.4	14,852.00
FC 11004 - Task 4 - Coord w/GeoTech Eng Sub - Boring Locatio	30,570.55	20,979.32	7,503.02	28,482.34	93.2	2,088.22
FC 11040 - Task 5 - Sub: Div III Borings for GeoTech Analyse	446,864.30	268,119.21	109,685.38	377,804.59	84.5	69,059.71
FC 16301 - Task 6 - Research Req. for private Levee Cert by	21,828.96	10,950.88	5,778.98	16,729.86	76.6	5,099.10
FC 16302 - Task 7 - Research Req. for Levee Cert by USF&C	13,379.14	7,138.72	3,399.40	10,538.12	78.8	2,841.02
	<u>657,707.20</u>	<u>384,389.67</u>	<u>177,738.48</u>	<u>562,228.15</u>		<u>95,579.05</u>
Direct Expenses	1,750.00	1,100.00		1,100.00	62.9	650.00
	<u>1,750.00</u>	<u>1,100.00</u>	<u>0.00</u>	<u>1,100.00</u>		<u>650.00</u>
TOTALS:	<u>659,457.20</u>	<u>385,489.67</u>	<u>177,738.48</u>	<u>563,228.15</u>	<u>85.4</u>	<u>96,229.05</u>

ORIGINAL CONTRACT SUM \$ 659,457.20
CHANGE BY CHANGE ORDER \$ 0.00
CONTRACT SUM TO DATE \$ 659,457.20
TOTAL COMPLETED TO DATE \$ 563,228.15
LESS PREVIOUS INVOICES \$ 385,489.67
CURRENT PAYMENT DUE \$ 177,738.48


PROJECT MANAGER'S SIGNATURE

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

Mission Inlet Recert. Project WA#2
 Reference:Inv#11324563
 Date:09/30/13
 P.O.#623105

	Hrs		Rate	Total
Senior Project Manager	16.00	X	206.39	\$3,302.24
Senior Engineer	64.00	X	169.97	\$10,878.08
Design Engineer	32.00	X	109.27	\$3,496.64
ROW Administrator	24.00	X	103.20	\$2,476.80
Admin/Clerical	18.00	X	54.63	\$983.34

Grand Total of Hours

\$ 21,137.10
 (Difference due to rounding hours)
 \$ -

Invoice Summary

Man Hours **\$ 21,137.10**
 Sub Contract **\$ 156,601.38**
 (See Attached Sub Invoice for Man Hour Breakdown)

Direct Expenses	Current Units		Rate		
10 ft. Long by 3 ft. Tall Hydro Map (30sq. Ft) @\$5.00/sq. ft	0	X	150.00	\$	-
8.5 X 11 Copies (i.e. Corr. w/Landowners) - (2,000 units)	0	X	1.00	\$	-
				\$	-
				\$	-

(Difference due to rounding)

Total Per Invoice Submitted

\$ 177,738.48

L&G Engineering Laboratory

Construction Material Testing
Geotechnical Engineering

September 27, 2013

Mr. Jacinto Garza, P.E.
President - L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570

RE: Geotechnical Drilling, Testing, & Engineering for Mission Inlet Division III

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of September 2013 on the subject referenced project.

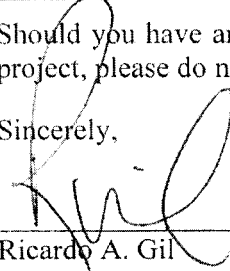
The following is attached:

- L & G's Invoice #7860
- Preliminary Boring Logs w/ Testing Information, Preliminary Geotechnical Report

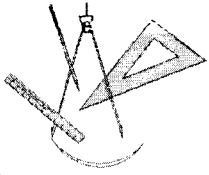
TASK		% COMPL
FC10208 – FOUNDATION STUDIES	L&G Lab	66%
Update – Development of plan view of borings logs, location scheme, graphic files, classification of soil borings and structural evaluation (soil strength) have been completed for the project. All analyses are underway including, Allowable Bearing, Settlement, Seepage, and Slope Stability. Draft Geotechnical Report is being generated/updated with information.		
FC10209 – FOUNDATION MATERIAL TESTING	L&G Lab	100%
Update – All remaining soil borings have been completed during this period including drilling, testing and laboratory analysis.		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 565-0760.

Sincerely,



Ricardo A. Gil
General Manager
L&G Engineering Laboratory, LLC



L & G Engineering Laboratory, LLC Invoice

2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-0760 • Fax (956) 565-6746

Date	9/27/2013
Invoice #	7860

Bill To
L&G Engineering 2100 W. Expressway 83 Mercedes, TX. 78570

Ship To
Mision Inlet FEMA Re-Evaluation Project Division III Geotechnical Engineering Services

Job #	Due Date
GL13014	10/10/2013

Item	Description	Contract Amt	Prior Amt	Curr %	Total %	Amount
10208	Foundation Studies	203,116.80	101,152.17	16.20%	66.00%	32,904.92
10209	Foundation Mtls. Testing	243,747.50	166,967.04	31.50%	100.00%	76,780.46
Total						\$109,685.38
Payments/Credits						\$0.00
Balance Due						\$109,685.38

Highway / Civil • Structural / Bridge • Environmental • Construction Material Testing

R. O. W. SURVEYING SERVICES



September 25, 2013

Mr. Jacinto Garza, P.E.
L&G Engineering
Transportation Consultants
Attn: Reza Badiozamani, P.E.
2100 W. Expressway 83
Mercedes, Texas 78570

Proposal: **Work Authorization #2**
 Mission Inlet Project
 Limits: United Irrigation Main Canal to Floodway Channel

Dear Mr. Garza:

Attached for your approval is our invoice for services rendered for the month of September 2013.

- R.O.W. Surveying Services' Invoice #13-1004
- Work Schedule
- Progress Report CD with Electronic Files of:
 - Primary and Secondary Control (Limits of Project)
 - Level Loop Field Book Notes
 - New Bench Mark Information
 - Level Loop Data verifying existing elevations to IBWC Bench Mark at Structure 53-A
 - Digital Terrain Model (for Levees from 10th St. to IBWC Floodway Channel)
 - Topographic Data for Cross-Sections Along North and South Levee
 - DTM/CADD File (.dgn format)
 - DTM (.pdf format)
 - Bore Hole Locations
 - Txt File of Bore Hole x,y,z

R. O. W. SURVEYING SERVICES



Task	FIRM	% COMPLETE
Phase I – Primary and Secondary Control	ROWSS	96.6%
Update – We have recovered existing IBWC vertical control and NGS horizontal and vertical monuments. Project Benchmark “DEC501” with NAVD 88 elevation of 133.61’ found at the Southeast corner of bridge at the intersection of Old Military Highway and Irrigation canal, being South approximately 1 mile from the beginning of project. Existing benchmark “DEC 501” data sheet attached. We have also recovered IBWC benchmark located at structure “53-A”, located on the South Levee, approximately 0.4 of a Mile West of Jackson Rd. Preliminary detailed control sketches are attached. Final three point sketches will be turned in with final deliverables.		
Phase II – Digital Terrain Model	ROWSS	87.5%
Update – Topographic survey has continued. Cross sections every 100’ on the North Levee have been completed with topographic points and DTM file attached with North and South Levee combined. Cross streets have been completed with topographic points and DTM file attached.		
Phase III – Bore Hole Locates	ROWSS	76.8%
Update – Bore locations been completed. Attached is a txt file of most of the bore locates. Three point detailed sketches have been completed with next updated invoice.		
Phase IV – Final Report and Deliverables	ROWSS	48.3%
Update – No deliverables to be submitted at this time. Reports and deliverables will be completed by next invoice update.		
Project Management and Oversight	ROWSS	83.33%
Update – Have coordinated meetings with Hidalgo County Drainage District No. 1 and IBWC to recover existing control. Coordinated meetings with L&G to do field visits to review the status of project.		

R. O. W. SURVEYING SERVICES



R.O.W. Surveying Services Invoice #: 13-1004

FC 150 - Horizontal & Vertical Control, DTM, and Bore Locates	Contract Amount	Invoice to Date	Paid to Date	Current Amount Due	Contract Balance	Percent Complete
Phase I - Primary & Secondary Control	\$29,508	\$26,548	\$26,548	\$1,972	\$988	96.6%
Phase II - Digital Terrain Model	\$62,472	\$24,890	\$24,890	\$29,770	\$7,812	87.5%
Phase III - Bore Hole Locates	\$17,420	\$2,644	\$2,644	\$10,734	\$4,042	76.8%
Phase IV - Final Report & Deliverables	\$1,490	\$ -	\$ -	\$720	\$770	48.3%
Project Management & Oversight	\$7,440	\$2,480	\$2,480	\$3,720	\$1,240	83.3%
Totals	\$118,330	\$56,562	\$56,562		\$14,852	87.4%
		<i>Total Due</i>		\$46,916		

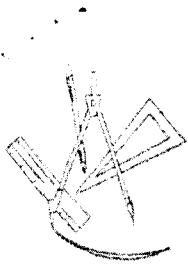
Make Checks payable to: **R. O. W. Surveying Services**

If you have any questions or need additional information, please contact me at 956-451-2670.

Sincerely,

Julio Cerda, P.E.

cc: Drew A. Mawyer, RPLS, R.O.W. Surveying Services



L&G Engineering

Transportation Consultants

October 1, 2013

Mr. Godfrey Garza – District Manager
Attn: Ms. Lora Briones – Chief Financial Officer
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RE: Work Authorization #1 on La Joya Watershed Improvement Project

Job #130101
P.O. #622086

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of September 2013 on the subject referenced project.

The following is attached:

- L&G's Invoice #11324564-A
- CD w/ Electronic Files of Data for:
 - Task 5 ~ 12002, Task 6 ~ 12003, Task 10 ~ 16106, Task 11 ~ 16107, Task 12 ~ 16108, Task 13 ~ 16109
 - Task 10 A ~ 16160 (SUB)
 - Civil Systems Engineering, Inc. – Monthly Progress Report No. #8 – September 2013
 - Civil Systems Engineering, Inc. – Invoice (#201364)
 - Civil Systems Engineering, Inc. – Folder “Task 10A ~ 16160 (SUB) - Drainage Improvement Plan”


TASK		% COMPL
Task 1 ~ 12001 – Coordinate w/ TxDOT-County-City to Accommodate Local Drainage Needs & Corresponding Participation	L&G	100%
Task Completed – See Progress Report Dated (7-1-13)		
Task 2 ~ 16101 – Gather Information Regarding Existing Drainage Features, Facilities, & Watersheds	L&G	100%
Task Completed – See Progress Report Dated (7-1-13)		
Task 3 ~ 16102 – Coordinate and Ensure Compliance with TCEQ Requirements for Discharging into La Joya Lake	L&G	100%
Task Completed – See Progress Report Dated (7-1-13)		
Task 4 ~ 16103 – Meet w/ County-HCDD#1-TxDOT-Cities and Examine Existing Hydrologic Studies	L&G	100%
Task Completed – See Progress Report Dated (7-1-13)		

Task 5 ~ 12002 – Identification of All Affected Property Owners	L&G	89.9%
<p>Update – L&G has incorporated the necessary changes to the drainage outfall network map this period to mirror the work that CSE performed. The detailed analysis conducted by CSE resulted in significant adjustments to the proposed outfall system. Additionally, identification of the land owners for the major proposed detention basins was researched and property rights were identified. Additional work was done on the database of landowners affected by the proposed facilities, as well as researching their contact information from Appraisal District Data, during this billing period. This information has been represented graphically in the attached CD in the folder titled “Task 5 ~ 12002 – ID of All Affected Property Owners”.</p>		
Task 6 ~ 12003 – Coordination w/ Landowners due to Prop Outfall	L&G	23.4%
<p>Update – L&G has developed outfall specific layouts that can be found in the folder on the attached CD titled “Task 6 ~ 12003 – Coord. w Landowners due to Prop.”. These layouts are specific to the 3 mitigation options that have been developed by CSE to address a combination of different events. The sheets consist of an overall “Index of Sheet” layout, as well as more detailed outfall specific exhibits that identify the affected property owners for the proposed facility.</p>		
Task 8 ~ 16104 – Field Reconnaissance for Identification and Logging of Existing Conditions Along Project Alignment	L&G	100%
Task Completed – See Progress Report Dated (7-1-13)		
Task 9 ~ 16105 – La Joya Lake Watershed Delineation and Operational Research	L&G	100%
Task Completed – See Progress Report Dated (8-1-13)		
Task 10 ~ 16106 – Coordination & Review of Drainage Improvement Plan	L&G	100%
<p>Update – L&G has completed the necessary coordination and review of the work being completed by CSE (HEC-HMS Modeling). Documentation of some of the major coordination effort can be found in a folder on the attached CD titled “Task 10 ~ 16106 - Coord & Review of Drainage”.</p>		
Task 10A ~ 16160 (SUB) – Drainage Improvement Plan	CSE	95.5%
<p>Update – For an update on this section, see “Monthly Progress Report No. #8 – September 2013” from CSE attached. Also documentation of the work produce deliverables can be found on the attached CD in a folder titled “Task 10A ~ 16160 (SUB) - Drainage Improvement Plan” for this invoice period.</p>		
Task 11 ~ 16107 – Overall Drainage Area Map (based on CSE Analysis/Model/Report)	L&G	100%
<p>Update – L&G has analyzed the latest HEC-HMS Modeling results with the updated alternative detention pond locations and scenarios and constructed a Final Overall</p>		

Drainage Area Map. This exhibit was done in coordination with an updated Outfall Drainage Network Map (see Task 12 ~ 16108). The Drainage Area Map shows the prop. delineations of the watershed based on prop. improvements (new outfalls) and detention storage locations (storage amounts are noted at each location based on scenario). This exhibit in both working file format, as well as .pdf format, can be found on the attached CD in a folder titled, "Task 11 ~ 16107 - Overall Drainage Area Map".		
Task 12 ~ 16108 – Outfall Drainage Area Map (based on CSE Analysis/Model/Report)	L&G	100%
Update – As noted in Task 11 ~ 16107, L&G has finalized a combination overall and outfall map to show how proposed flows will get to outfall locations. This exhibit also has identified on it the profiles of the proposed ditches to ensure that maintaining positive flow would be possible in design. The profiles are cut based on the latest LIDAR data available in this area. Alignments of the proposed ditch facilities has been adjusted to best fit the grade of the natural terrain. This exhibit in both working file format, as well as .pdf format, can be found on the attached CD in a folder titled, "Task 12 ~ 16108 - Outfall Drainage Area Map".		
Task 13 ~ 16109 – Prelim. Eng. Report Summarizing Findings	L&G	64.6%
Update – L&G has continued it's effort in formatting and generating raw appendices data for the preliminary engineering report (see other Tasks). A draft report is currently being constructed based on the Hydrologic models for the various scenarios being investigated and in concert with the field data retrieved. This information can be found on the attached CD in a folder titled, "Task 13 ~ 16109 - Prelim Eng Report Summarizing".		
Direct Expenses	L&G	67.2%
No Update – See Progress Report Dated (8-1-13)		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 583-7117.

Sincerely,



 Reza Badiozamani, P.E., C.F.M.

 Senior Project Manager

 L&G Engineering

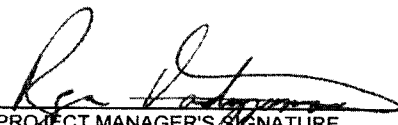
L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11324564-A
INVOICE DATE: 9/30/2013

BILL TO:
Hidalgo County Drainage District#1
902 N. Doolittle
Edinburg, TX 78542

JOB:130101
La Joya Watershed Imp
WA#1
P.O.#622086

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of September 2013.						
FC 120 - PUBLIC INVOLVEMENT TO PHASE I						
Task 1 - 12001 - Coordinate w/1x00T-County-City	15,637.36	15,637.36		15,637.36	100.0	-
Task 5 - 12002 - Ident. Of All Affected Prop. Owners	33,193.22	14,993.98	14,839.26	29,833.24	89.9	3,359.98
Task 6 - 12003 - Coord. w/Landowners due to Prop Outfall	69,020.10	10,702.06	5,432.98	16,135.04	23.4	52,885.06
Task 7 - 12004 - Environmental Study Phase I	39,395.40			0.00	0.0	39,395.40
	<u>157,246.08</u>	<u>41,333.40</u>	<u>20,272.24</u>	<u>61,605.64</u>		<u>95,640.44</u>
FC 161 - HYDROLOGY						
Task 2 - 16101 - Gather Info Regarding Ext. Drainage	70,022.14	70,022.14		70,022.14	100.0	-
Task 3 - 16102 - Coord. and Ensure Compliance w/TCEQ	25,078.36	26,078.36		26,078.36	100.0	-
Task 4 - 16103 - Meet w/Govt Entities to Exam Hydro Stud	57,426.30	57,426.30		57,426.30	100.0	-
Task 8 - 16104 - Field Recon. For ID and Logging of Exst.	56,916.24	56,916.24		56,916.24	100.0	-
Task 9 - 16105 - La Joya Lake Watershed Delineation	60,521.84	60,521.84		60,521.84	100.0	-
Task 10 - 16106 - Coord. & Review of Drainage Imp Plan	28,385.12	25,969.10	2,416.02	28,385.12	100.0	-
Task 10A - 16160 - SUB - Drainage Imp. Plan	169,189.00	146,392.40	15,174.32	161,566.72	95.5	7,622.28
Task 11 - 16107 - Overall Drainage Area Map	22,241.94	20,663.64	1,578.30	22,241.94	100.0	-
Task 12 - 16108 - Outfall Drainage Area Map	22,241.94	14,921.06	7,320.88	22,241.94	100.0	-
Task 13 - 16109 - Prelim. Eng. Report Summarizing Findings	29,345.52	9,020.46	9,943.31	18,963.77	64.6	10,381.75
	<u>542,368.40</u>	<u>487,931.54</u>	<u>36,432.83</u>	<u>524,364.37</u>		<u>18,004.03</u>
Direct Expenses	5,937.50	3,987.50		3,987.50	67.2	1,950.00
	<u>5,937.50</u>	<u>3,987.50</u>	<u>0.00</u>	<u>3,987.50</u>		<u>1,950.00</u>
TOTALS:	<u><u>705,551.98</u></u>	<u><u>533,252.44</u></u>	<u><u>56,705.07</u></u>	<u><u>589,957.51</u></u>	<u>83.6</u>	<u><u>115,594.47</u></u>


PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM \$ 705,551.98
CHANGE BY CHANGE ORDER \$ 0.00
CONTRACT SUM TO DATE \$ 705,551.98
TOTAL COMPLETED TO DATE \$ 589,957.51
LESS PREVIOUS INVOICES \$ 533,252.44
CURRENT PAYMENT DUE \$ 56,705.07

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

La Joya Watershed Improvements
 Reference:Inv#11324564-A
 Date:09/30/13
 P.O.#622086

	Hrs		Rate	Total
Senior Project Manager	39.00	X	206.39	\$8,049.21
Senior Engineer	76.00	X	169.97	\$12,917.72
Design Engineer	124.00	X	109.27	\$13,549.48
Senior Engineer Tech	91.00	X	75.88	\$6,905.08
Biologist	0.00	X	48.56	\$0.00
Senior Env Scientist	0.00	X	130.51	\$0.00
Env Scientist	0.00	X	75.88	\$0.00
Admin/Clerical	2.00	X	54.63	\$109.26

Grand Total of Hours

\$ 41,530.75

(Difference due to rounding hours)

\$ -

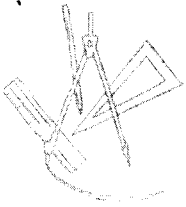
Invoice Summary

Man Hours	\$ 41,530.75
Sub Contract	\$ 15,174.32
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	

Direct Expenses	Current Units		Rate		
20 ft. Long by 3 ft. Tall Hydro Map (8 Units)	0	X	300.00	\$	-
8.5 X 11 Copies (i.e. Corr. w/Landowners) - (1,000 units)	0	X	1.00	\$	-
11 x 17 Copies (i.e. various Exhibits) - (500 units)	0	X	1.50	\$	-
					\$ -
					\$ -
					(Difference due to rounding)

Total Per Invoice Submitted

\$ 56,705.07



L&G Engineering

October 1, 2013

Transportation Consultants

Mr. Godfrey Garza – Executive Director
Attn: Ms. Lora Briones – Chief Financial Officer
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RE: Work Authorization #1 on Mission Inlet Recertification Project – Progress Report

Job #130201
P.O. #622510

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of July 2013 on the subject referenced project.

The following is attached:

- L&G's Invoice #11324565
- CD w/ Electronic Files of Data (Exhibits/Calcs./Models/Misc. Info) for:
 - Task 10 (FC10204), 11 (FC16108), 13 (FC13008), 15 (FC16401)
 - Task 11a (FC16170 (SUB))
 - Civil Systems Engineering, Inc. – Monthly Progress Report #5 – September 2013
 - Civil Systems Engineering, Inc. – Invoice (#201365)
 - Task 14 (FC17070 (SUB))
 - L&G Engineering Laboratory, LLC – Monthly Progress Report & Invoice #7863 – Sept. 2013

TASK		% COMPL
FC11001 – Task 1 ~ Overall Project Schematic/Exhibit	L&G	100%
Task Complete – See progress report dated June 3, 2013		
FC10207 – Task 2 ~ Kick Off Mtg. & Presentation to FEMA & IBWC	L&G	100%
Task Complete – See progress report dated July 1, 2013		
FC13009 – Task 3 ~ Identification of All Affected Prop. Owners (Appraisal Dist. Info.)	L&G	100%
Task Complete – See progress report dated July 1, 2013		
FC10206 – Task 4 ~ FEMA Research and Existing Zoning Id. (Overall Proj. Exhibit)	L&G	100%
Task Complete – See progress report dated June 3, 2013		
FC16109 – Task 5 ~ Research of Affected FIRM Maps by Community Panel No.	L&G	100%
Task Complete – See progress report dated June 3, 2013		

FC10205 – Task 6 ~ Review of Previous Studies Done On & Within Project Area	L&G	100%
Task Complete – See progress report dated June 3, 2013		
FC10201 – Task 7 ~ Coord. w/ EOR for Engineering & Certification Docs	L&G	100%
Task Complete – See progress report dated July 1, 2013		
FC10202 – Task 8 ~ Coord. w/ McAllen & McAllen Airport on Expansion Proj.	L&G	100%
Task Complete – See progress report dated July 1, 2013		
FC10203 – Task 9 ~ Coordination w/ IBWC on Mission Inlet Closure	L&G	100%
Task Complete – See progress report dated September 2, 2013		
FC10204 – Task 10 ~ Support to HCDD#1 on Project Development	L&G	90.6%
Update – L&G has continued to support HCDD#1 in all aspects of project development during this period, including, but not limited to; meetings with; HCDD No. 1 & USACE (formal meeting for Ray. Drain – informal mtg. on Mission Inlet).		
FC16108 – Task 11 ~ Coord. & Support to Hydraulic Engineer	L&G	83.2%
Update – L&G has continued coordination with CSE/L&G in development of preliminary results of the Existing Condition HEC-HMS & HEC-RAS Models. L&G completed verification of reconnaissance (and some refinement/additions) of structure inventory needed for prelim. HEC-RAS.		
FC16170 (SUB) – Task 11a ~ Ph. I – Existing Conditions of H&H Modeling	CSE	49.8%
Update – See progress report from CSE titled “Mission Inlet Recertification Project – Phase 1 – Monthly Progress Report #5 – September 2013” for a detailed explanation of the work that has been completed during this billing period.		
FC17007 – Task 12 ~ Field Recon. for Id. & Logging of Existing Conditions	L&G	100%
Task Complete – See progress report dated July 1, 2013		
FC13008 – Task 13 ~ Right of Entry on Affected Parcels (35 Estimated Land Owners)	L&G	100%
Update – L&G has finalized refinement of the list of affected land-owners along the project length and created a final overall exhibit (attached). We have finalized work with Title Companies to assist in filling voids and verifying property ownership. This task is completed.		
FC17007 (SUB) – Task 14 ~ Division I Borings	L&G Lab	3.0%
Update – See progress report and invoice #7863 from L&G Lab for a detailed explanation of the work that has been completed during this billing period.		

FC16401 – Task 15 ~ Prelim. Eng Report Summarizing Findings	L&G	17.2%
Update – L&G has continued formatting and generating raw appendices data for the preliminary engineering report (see other Tasks). A draft report is currently being constructed based on the H&H models completed to date and in concert with the field data retrieved. Informal meetings have been held between project design groups for synergy of data.		
Direct Expenses	L&G	79.9%
No Update – See Progress Report Dated August 1, 2013		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 583-7117.

Sincerely,



Reza Badiozamani, P.E., C.F.M.
 Senior Project Manager
 L&G Engineering

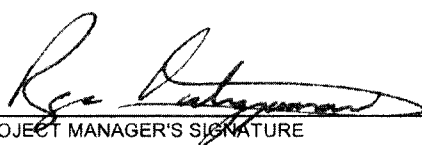
L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11324565
INVOICE DATE: 9/30/2013

BILL TO:
Hidalgo County Drainage District#1
902 N. Doolittle
Edinburg, TX 78542

JOB:130201
Mission Inlet Recertification Project
WA#1
P.O.#622510

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of September 2013.						
FC 11901 - Task 1 - Overall Project Schematic/Exhibit	10,683.92	10,683.92		10,683.92	100.0	-
FC 10207 - Task 2 - Kick-Off Mtg & Pres. to FEMA & IBWC	11,897.90	11,897.90		11,897.90	100.0	-
FC 13009 - Task 3 - Ident. of all affected property Owners	10,040.50	10,040.50		10,040.50	100.0	-
FC 10205 - Task 4 - FEMA Research & Existing Zoning Id	11,879.78	11,879.78		11,879.78	100.0	-
FC 16109 - Task 5 - Research of Affect. FIRM Map	6,519.56	6,519.56		6,519.56	100.0	-
FC 10205 - Task 6 - Rev. of previous studies on proj. area	7,430.14	7,430.14		7,430.14	100.0	-
FC 10201 - Task 7 - Coord. w/Eng's of record for Retr. of Eng	9,955.34	9,955.34		9,955.34	100.0	-
FC 10202 - Task 8 - Coord. w/City of Mcallen and Airport	7,940.06	7,940.06		7,940.06	100.0	-
FC 10203 - Task 9 - Coord. w/ IBWC on Mission Inlet Closure	6,859.50	6,859.50		6,859.50	100.0	-
FC 10204 - Task 10 - Support to HCD#1 on Proj. Development	43,731.14	38,437.76	1,189.80	39,627.56	90.6	4,103.58
FC 16108 - Task 11 - Coord. & Supp. To Hydraulic Engineer	46,474.84	36,045.93	2,610.26	38,656.19	83.2	7,818.65
FC 16170 - Task 11a - Ph. 1 - Ext. Conditions of H&H Modeling	357,269.00	137,323.48	40,611.20	177,934.68	49.8	179,334.32
FC 17007 - Task 12 - Field Recon. For I.D. and logging	14,617.68	14,617.68		14,617.68	100.0	-
FC 13008 - Task 13 - ROW on affected Parcels (35 Est. Owners)	38,024.74	34,564.62	3,460.12	38,024.74	100.0	-
FC 17070 - Task 14 - Division 1 Boring for I.D. of waterTable	224,273.75		6,621.46	6,621.46	3.0	217,652.29
FC 16401 - Task 15 - Prelim. Eng Report Summarizing Findings	29,344.84	3,083.78	1,966.80	5,050.58	17.2	24,294.26
	836,042.69	347,279.95	56,459.64	403,739.59		432,303.10
Direct Expenses	20,625.00	16,476.00		16,476.00	79.9	4,149.00
	20,625.00	16,476.00	0.00	16,476.00		4,149.00
TOTALS:	857,567.69	363,755.95	56,459.64	420,215.59	49.0	437,352.10


PROJECT MANAGER'S SIGNATURE

ORIGINAL CONTRACT SUM	\$ 857,567.69
CHANGE BY CHANGE ORDER	\$ 0.00
CONTRACT SUM TO DATE	\$ 857,567.69
TOTAL COMPLETED TO DATE	\$ 420,215.59
LESS PREVIOUS INVOICES	\$ 363,755.95
CURRENT PAYMENT DUE	\$ 56,459.64

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

Mission Inlet Recert. Project WA#1

Reference: Inv#11324565

Date: 09/30/13

P.O.#622510

	Hrs		Rate	Total
Senior Project Manager	10.00	X	206.39	\$2,063.90
Senior Engineer	12.00	X	169.97	\$2,039.64
Design Engineer	16.00	X	109.27	\$1,748.32
Senior Engineer Tech	0.00	X	75.88	\$0.00
ROW Administrator	20.00	X	103.20	\$2,064.00
Admin/Clerical	24.00	X	54.63	\$1,311.12

Grand Total of Hours

\$ 9,226.98
(Difference due to rounding hours)
\$ -

Invoice Summary

Man Hours	\$ 9,226.98
Sub Contract	\$ 47,232.66
<small>(See Attached Sub Invoice for Man Hour Breakdown)</small>	

Direct Expenses	Current Units		Rate		
20 ft. Long by 3 ft. Tall Hydro Map (60sq. Ft) @\$5.00/sq. ft	0	X	300.00	\$	-
8.5 X 11 Copies (i.e. Corr. w/Landowners) - (2,000 units)	0	X	1.00	\$	-
11 x 17 Copies (i.e. various Exhibits) - (750 units)	0	X	1.50	\$	-
Travel (Estimated at 2 Trips each to Denton/El Paso/Maryland)	0	X	2,500.00	\$	-
					\$ -
					\$ -
					(Difference due to rounding)

Total Per Invoice Submitted

\$ 56,459.64
