

HIDALGO COUNTY
Professional Engineering Services
Contract # C-11-111-04-19
Work Authorization Form

WORK AUTHORIZATION NO. 005

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between HIDALGO COUNTY, action herein by and through the Commissioner's Court, hereinafter called the "Owner," and, Guzman & Munoz Engineering and Surveying Inc., professional engineers of Mercedes, Texas, hereinafter called "Engineer".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the Engineer to provide Professional Engineering, Services for Drainage Improvements to Colonia Adams & Black (Mile 10.5 North and Mile 3 West).

The scope of services to be provided by the Owner is identified in *EXHIBIT "A" - Scope of Services to be Provided by the Owner* attached hereto.

The scope of services to be provided by the Engineer is identified in *EXHIBIT "B" - Scope of Services to be Provided by the Engineer* attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is \$ 36,695.22. This amount is based upon the costs outlined in the Estimated Cost Proposal attached hereto as EXHIBIT "D".

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 6 thru 6.5 and all applicable sections of the Agreement.

PART 4. FUNDING

This Work Authorization No. 005 shall be funded through funding source:

Account No. 1-1342-431-00-121-095-0-731 & 733

Requisition Number 203158 ←

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate on April, 30, 2012 as indicated in the "Exhibit C-Preliminary Work Schedule".

PART 6. RESPONSIBILITIES AND OBLIGATIONS

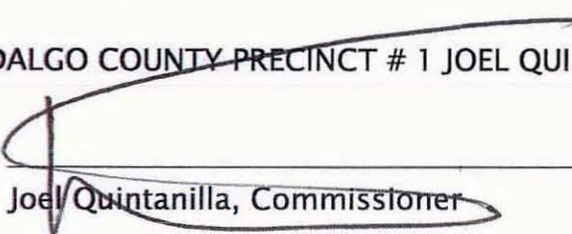
This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct #1, Commissioner** as to content and detail of this **Work Authorization No.005**.

HIDALGO COUNTY PRECINCT # 1 JOEL QUINTANILLA.

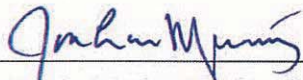
BY:


Joel Quintanilla, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 09/27/11 as indicated below and effective as of 27th day of September, 2011.

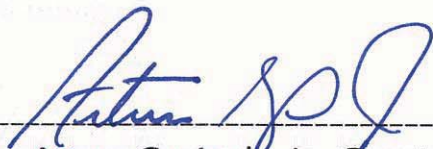
THE ENGINEER:
Guzman & Muñoz Engineering
& Surveying Inc.


By: Jose Luis Muñoz, P.E., SIT
President

THE OWNER:
HIDALGO COUNTY


By: Ramon Garcia, County Judge

APPROVED BY
COMMISSIONERS' COURT
ON: 9/27/11 

ATTEST:

By: Arturo Guajardo, Jr., County Clerk



LIST OF ATTACHMENTS

- ATTACHMENT "A" - Service to be Provided by the Owner
- ATTACHMENT "B" - Services to be Provided by the Engineer
- ATTACHMENT "C" - Work Schedule
- ATTACHMENT "D" - Cost Proposal

EXHIBIT "A"

**Scope of Services
Provided by Owner**

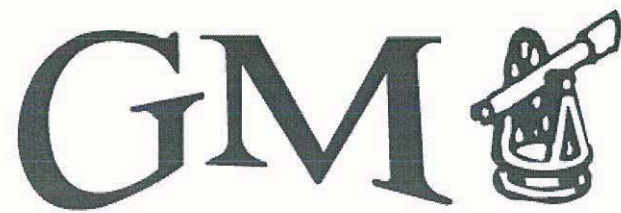


EXHIBIT “A”

HIDALGO COUNTY PRECINCT 1

Colonia Adams & Black Drainage Study and Improvements

Scope of Services

1. The following provides an outline of the services to be provided by OWNER in the development of Project.
2. The OWNER will provide to the ENGINEER the following:
3. Authorization to the ENGINEER to begin work in accordance with Section 3 of this Agreement.
4. Payment for work performed by the ENGINEER and accepted by the OWNER in accordance with Section 6 of the Agreement.
5. Assistance to the ENGINEER, as necessary, to obtain the required data and information from local, regional, State and Federal agencies that the ENGINEER cannot easily obtain as required.
6. Provide any available relevant data the OWNER may have on file concerning the project.
7. Provide timely review and decisions in response to the ENGINEER’S request for information and/or required submittals and deliverable, in order for the ENGINEER to maintain the agreed-upon work schedule prepared in accordance with Attachment “C” of this Agreement.
8. Attend and participate in progress meeting as required and as coordinated and conducted by the ENGINEER.
9. Attend the Preliminary Concept Conference coordinated and conducted by the ENGINEER and more particularly identified in Attachment “B” of the Agreement.
10. Assist the ENGINEER as required in the coordination with the USAGE and the Federal Emergency Management Agency (FEMA) and any other coordinating agency or entity.
11. Review and approve the Project design criteria.
12. Review and approve change orders if required and prepared by the ENGINEER.

EXHIBIT "B"

**Scope of Services
Provided by Engineer**

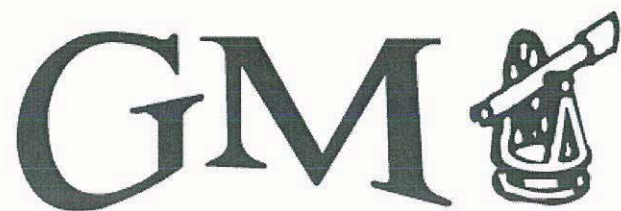


EXHIBIT “B”

HIDALGO COUNTY PRECINCT 1

Colonia Adams & Black Drainage Study and Improvements

Scope of Services

This project consists of providing all necessary bid pack documentation, as well as construction plans, surveying for the Colonia Adams & Black Drainage Study and Improvements.

The following is the work to be done for this project:

1. Drainage Study and Drainage Improvements Project
 - a. Conduct a topographic survey for the project area.
 - b. Study drainage Issues and recommend improvements
 - c. Generate plans and profiles for the proposed project.
 - d. Provide site visits to monitor construction progress.
 - e. Review pay request and make recommendations
 - f. Administer the project closeout on behalf of the County including testing observations, documentation, etc.
 - g. Generate As-Built plans for the County upon project completion.

Please find attached as Exhibit “D” a preliminary Statement of Probable Cost in order to ensure that the discussed scope is in agreement with Hidalgo County Precinct #1.

EXHIBIT "C"

Work Schedule



EXHIBIT "D"

Estimated Cost Proposal



EXHIBIT "D"

**ENGINEERS OPINON OF PROBABLE CONSTRUCTION COST
HIDALGO COUNTY PCT. 1 -COLONIA ADAMS & BLACK DRAINAGE IMPROVEMENTS
PROJECT
(Mile 10.5 North & Mile 3 West)**

ITEM NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE
Drainage Improvements					
1	Roadside Drainage Swale Cut & Reshape (Lt. & Rt.)	30	STA.	\$400.00	\$11,800.00
2	18" RCP Culvert (Driveways)	1,220	L.F.	\$36.00	\$43,920.00
3	18" Concrete Safety End Treatment	0	EA.	\$700.00	\$0.00
4	24" RCP Equalizer	120	L.F.	\$48.00	\$5,760.00
5	Concrete Headwall for 24" RCP (Equalizer)	6	EA.	\$400.00	\$2,400.00
6	Caliche Driveway Repair	1,200	L.F.	\$4.00	\$4,800.00
7	Asphalt Driveway Repair	0	L.F.	\$7.00	\$0.00
8	Concrete Driveway Repair	0	L.F.	\$12.00	\$0.00
9	36" RCP (for Grated Drop Inlet Connections to Ditch)	550	L.F.	\$65.00	\$35,750.00
10	Clean & Reshape Field Drain Ditch	27	STA.	\$500.00	\$13,500.00
11	4' X 6' Grated Drop Inlet	3	EA.	\$4,000.00	\$12,000.00
12	36" RCP Bored under Mile 3 West (Labor Only)	170	L.F.	\$100.00	\$17,000.00
13	Concrete Rip-Rap (20' X 40')	0	L.S.	\$5,000.00	\$0.00
14	Barricades, Signs & Traffic Control Plan per TxDOT TMUTCD (For Entire Project)	1	L.S.	\$1,000.00	\$1,000.00
15	Mobilization (Entire Project)	1	L.S.	\$1,000.00	\$1,000.00
Estimated Construction Cost					\$148,930.00
16	Contingency				\$14,893.00
Total Probable Engineers Estimated Construction Cost					\$163,823.00

EXHIBIT "D"

**ENGINEERS OPINON OF PROBABLE CONSTRUCTION COST
HIDALGO COUNTY PCT. 1 -COLONIA ADAMS & BLACK DRAINAGE IMPROVEMENTS
PROJECT
(Mile 10.5 North & Mile 3 West)**

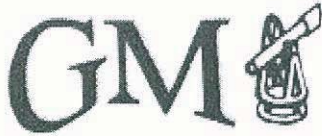
Total Probable Engineers Estimated Construction Cost					\$163,823.00
Engineering, Surveying and Special Services					
a.	Topography Surveying for Study & Design	2920	L.F.	\$3.00 / L.F.	\$8,760.00
b.	Drainage Study Fee	1	L.S.		\$5,000.00
c.	Eng. Design based on Drainage Study Fee	at	10%		\$16,382.30
d.	Const. Phase Services / Daily Inspection Fee	at	4%		\$6,552.92
Total Engineers Services					\$36,695.22
Drainage Engineering Cost		\$5,000.00			
Engineering & Surveying Cost		\$31,695.22			
Total		\$36,695.22			

**EXHIBIT D
TASKS FEES BY MANHOURS & RATES
WORK AUTHORIZATION No. 005 - Colonia Adams & Black (Mile 10 1/2 North & Mile 3 West)**

ENGINEERING & SURVEYING FEE ESTIMATE
BASIC SERVICES

GIMES TASK	DESCRIPTION OF WORK TASK	PRINCIPAL HOURS	PROJECT ENGINEER HOURS	PROJECT MANAGER HOURS	EST HOURS	TECH / CAD HOURS	CLERICAL HOURS	SURVEYOR HOURS	3 PERSON SURVEY CREW	INSPECTOR HOURS	TOTAL HOURS	TOTAL COST PER TASK
1. PRELIMINARY ENGINEERING PLANS & SPECIFICATIONS APPROVED BY LOCALITY PHASE:												
1.1	PRELIMINARY PROJECT KICK-OFF MEETING	1	1	2	1						5	\$680.00
1.2	OBTAIN EXISTING PLANS AND REPORTS			2	2	4	2				10	\$930.00
1.3	REVIEW INFORMATION, PERFORM TOPOGRAPHIC SURVEYING FOR ENGINEERING DESIGN, SCOPE FOR GEOTECHNICAL		1					3	16		20	\$2,560.00
1.4	PREPARE PRELIMINARY PLANS AND SPECIFICATIONS	1	3	2	4	12					22	\$2,300.00
1.5	PREPARE COST ESTIMATES		1	4	4	4	2				15	\$1,530.00
1.6	SUBMIT PLANS & SPECIFICATIONS TO OWNER FOR REVIEW	1	1	1	4	4	2				13	\$1,290.00
1.7	ADDRESS REVIEW COMMENTS FROM OWNER			1	3	3	1				8	\$755.00
	TOTAL PRELIMINARY PHASE	3	7	12	18	27	7	3	16	0	93	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 1	\$540.00	\$840.00	\$1,680.00	\$1,800.00	\$2,430.00	\$315.00	\$360.00	\$2,080.00	\$0.00		\$10,045.00
2. PLANS & SPECIFICATIONS APPROVED BY REGULATORY AGENCIES PHASE:												
2.1	PREPARE FINAL PLANS	1	4	4	4	32	8	4			57	\$5,340.00
2.2	CONDUCT QUALITY ASSURANCE AND CONTROL		2	2	2	4	2	3			15	\$1,550.00
2.3	PREPARE FINAL PROJECT SPECIFICATIONS		2	2	6	12	8				30	\$2,560.00
2.4	PRESENT FINAL PLANS AND SPECIFICATIONS FOR REVIEW		2	2	2	4	1				11	\$1,125.00
2.5	REVISE FINAL PLANS AFTER REVIEW BY REGULATORY AGENCIES		2	2	4	4	2				14	\$1,370.00
2.6	PREPARE MATERIALS SCHEDULES FOR OWNER		1	2	4	6	4				17	\$1,520.00
2.7	PREPARE FINAL COST ESTIMATE	1	1	2	2	4	3				13	\$1,275.00
2.8	COORDINATE WITH GOVERNMENTAL AND OTHERS REQUIRING APPROVAL AND PREPARE PERMITS FOR CONSTRUCTION	1	1	2	6	6	6				22	\$1,990.00
	TOTAL DESIGN PHASE	3	15	18	30	72	34	7	0	0	179	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 2	\$540.00	\$1,800.00	\$2,520.00	\$3,000.00	\$6,480.00	\$1,530.00	\$840.00	\$0.00	\$0.00		\$16,710.00
3. COMPLETION OF BID ADVERTISEMENT, CONTRACT AWARD AND NOTICE TO PROCEED PHASE												
3.1	PRE-CONSTRUCTION CONFERENCE AND ASSISTANCE	1	1	2	2	2	1			2	9	\$945.00
3.2	CONDUCT PERIODIC INSPECTIONS			1						29	30	\$2,170.00
3.3	ASSIST WITH CONFLICTS AND BRI REQUESTS			1		3					4	\$410.00
3.4	REVIEW SHOP DRAWINGS			1		3					4	\$410.00
3.5	CONDUCT FINAL INSPECTION			1						2	3	\$280.00
3.6	PREPARE PUNCH LIST			1		3				2	6	\$550.00
3.7	PREPARE AS-BUILT PLANS					6				2	8	\$680.00
	TOTAL CONSTRUCTION PHASE	1	1	7	0	17	1	0	0	37	64	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 3	\$180.00	\$120.00	\$980.00	\$0.00	\$1,530.00	\$45.00	\$0.00	\$0.00	\$2,590.00		\$5,445.00

4. SUBMITTAL OF AS BUILT PLANS TO LOCALITY PHASE:												
4.1	SURVEY FOR AS BUILT PLANS										18	\$2,320.00
4.2	DRAFTING OF AS BUILT PLANS										8.058	\$725.22
4.3	REVIEW AS BUILT PLANS										4	\$400.00
4.4	SUBMIT AS BUILT PLANS TO OWNER										4	\$330.00
4.5	CLOSE OUT DOCUMENTS TO OWNER										7	\$720.00
	TOTAL DESIGN PHASE										41.058	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 2	\$180.00	\$120.00	\$280.00	\$200.00	\$905.22	\$180.00	\$480.00	\$2,080.00	\$70.00		\$4,495.22
	TOTAL ENGINEERING BASIC SERVICES LABOR COST	\$1,440.00	\$2,880.00	\$5,460.00	\$5,000.00	\$11,345.22	\$2,070.00	\$1,680.00	\$4,160.00	\$2,660.00		\$36,695.22
	TOTAL ENGINEERING BASIC SERVICES LABOR COST FOR ALL CLASSIFICATIONS	\$36,695.22										
	TOTAL COST	\$36,695.22										



GUZMAN & MUÑOZ
ENGINEERING AND SURVEYING, INC.
Texas Registered Engineering Firm F-8017

2020 E. EXPRESSWAY 83
MERCEDDES, TX 78570

PHONE: (956) 565-4637
FAX: (956) 565-4636

September 20, 2011

Commissioner Joel Quintanilla
County of Hidalgo, Precinct # 1
1902 Joe Stephens Ave.
Weslaco, Texas 78596

RE: Colonia Adams & Black (Mile 10 ½ North & Mile 3 West)
Drainage Study and Improvements
Engineering Services Proposal

Commissioner Quintanilla:

It is our pleasure to submit to Hidalgo County Precinct # 1, this proposal for Professional Engineering Services in relation to the above mentioned project and your request for a Work Authorization proposal. Our site visits and preliminary research along with our meeting with you and your staff concerning Colonia Adams & Black and the adjoining areas, has given us an understanding of the required improvements for this project. Based on this information the following are our fees for engineering services:

Topography Surveying for Study & Design	\$ 8,760.00
Drainage Study	\$ 5,000.00
Engineering Design from Drainage Study Recommendations	\$16,382.30
Construction Phase Services/Daily Inspection	\$ 6,552.92

We are prepared to proceed with the drainage study and construction plans for the improvements to Colonia Adams & Black and the adjoining areas. The plans will meet all criteria requirements set forth by the County. We will be performing services as follows:

- Topographic Survey
- Drainage Study
- Plans
- Specifications
- Construction Cost Estimates
- Construction Oversight
- Close Out Documentation
- As-Built Plans

This is our best and final offer. Should you have any questions or concerns please feel free to contact our office at (956) 565-4637.

Respectfully Submitted,

Jose L. Muñoz, P.E., S.I.T.
Principal

Hidalgo County Precinct #1 Colonia Adams & Black Improvements

September 2011



2020 E. Expressway 83
Mercedes, Texas 78570
(956) 565-4637

HIDALGO COUNTY
Professional Engineering Services
Contract # C-11-111-04-19
Work Authorization Form

WORK AUTHORIZATION NO. 006

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between HIDALGO COUNTY, action herein by and through the Commissioner's Court, hereinafter called the "Owner," and, Guzman & Munoz Engineering and Surveying Inc., professional engineers of Mercedes, Texas, hereinafter called "Engineer".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the Engineer to provide Professional Engineering, Services for Colonia Lucero Del Norte Drainage Improvements at Mile 11 North and Mile 2 West.

The scope of services to be provided by the Owner is identified in *EXHIBIT "A" - Scope of Services to be Provided by the Owner* attached hereto.

The scope of services to be provided by the Engineer is identified in *EXHIBIT "B" - Scope of Services to be Provided by the Engineer* attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is \$ 56,920.80. This amount is based upon the costs outlined in the Estimated Cost Proposal attached hereto as EXHIBIT "D".

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with Article 6 thru 6.5 and all applicable sections of the Agreement.

PART 4. FUNDING

This Work Authorization No. 010 shall be funded through funding source:

Account No. 1-1342-431-00-121-094-0-731& 732

Requisition Number 203160



PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate on April, 30, 2012 as indicated in the "Exhibit C-Preliminary Work Schedule".

PART 6. RESPONSIBILITIES AND OBLIGATIONS

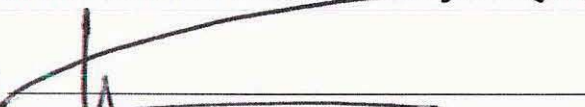
This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County Precinct #1, Commissioner as to content and detail of this Work Authorization No.010.

HIDALGO COUNTY PRECINCT # 1 JOEL QUINTANILLA.

BY:

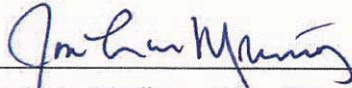

Joel Quintanilla, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 09/27/11 as indicated below and effective as of 27th day of September, 2011.

THE ENGINEER:

Guzman & Muñoz Engineering
& Surveying Inc.



By: Jose Luis Muñoz, P.E., SIT
President

THE OWNER:

HIDALGO COUNTY



By: Ramon Garcia, County Judge

ATTEST:



By: Arturo Guajardo, Jr., County Clerk

**APPROVED BY
COMMISSIONERS' COURT**

ON: 9/27/11

LIST OF ATTACHMENTS

- ATTACHMENT "A" - Service to be Provided by the Owner
- ATTACHMENT "B" - Services to be Provided by the Engineer
- ATTACHMENT "C" - Work Schedule
- ATTACHMENT "D" - Cost Proposal

EXHIBIT "A"

**Scope of Services
Provided by Owner**

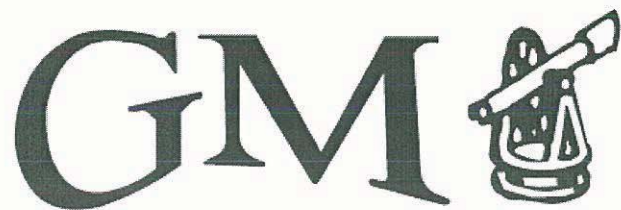


EXHIBIT “A”

HIDALGO COUNTY PRECINCT 1

Colonia Lucero Del Norte Drainage Study and Improvements

Scope of Services

1. The following provides an outline of the services to be provided by OWNER in the development of Project.
2. The OWNER will provide to the ENGINEER the following:
3. Authorization to the ENGINEER to begin work in accordance with Section 3 of this Agreement.
4. Payment for work performed by the ENGINEER and accepted by the OWNER in accordance with Section 6 of the Agreement.
5. Assistance to the ENGINEER, as necessary, to obtain the required data and information from local, regional, State and Federal agencies that the ENGINEER cannot easily obtain as required.
6. Provide any available relevant data the OWNER may have on file concerning the project.
7. Provide timely review and decisions in response to the ENGINEER’S request for information and/or required submittals and deliverable, in order for the ENGINEER to maintain the agreed-upon work schedule prepared in accordance with Attachment “C” of this Agreement.
8. Attend and participate in progress meeting as required and as coordinated and conducted by the ENGINEER.
9. Attend the Preliminary Concept Conference coordinated and conducted by the ENGINEER and more particularly indentified in Attachment “B” of the Agreement.
10. Assist the ENGINEER as required in the coordination with the USAGE and the Federal Emergency Management Agency (FEMA) and any other coordinating agency or entity.
11. Review and approve the Project design criteria.
12. Review and approve change orders if required and prepared by the ENGINEER.

EXHIBIT "B"

**Scope of Services
Provided by Engineer**

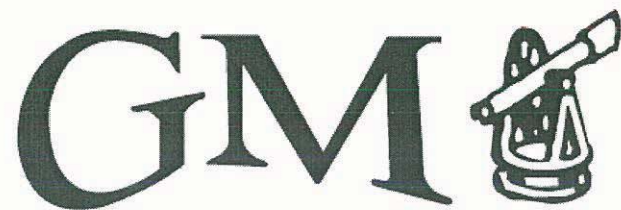


EXHIBIT “B”

HIDALGO COUNTY PRECINCT 1

Spanish Palms Subdivision Drainage Study & Improvements

Scope of Services

This project consists of providing all necessary bid pack documentation, as well as construction plans, and surveying for Spanish Palms Subdivision Drainage Study & Improvements.

The following is the work to be done for this project:

1. Drainage Study and Drainage Improvements Project
 - a. Conduct a topographic survey for the project area.
 - b. Study drainage Issues and recommend improvements
 - c. Provide drainage easements documents for acquisition.
 - d. Generate plans and profiles for the proposed project.
 - e. Provide site visits to monitor construction progress.
 - f. Review pay request and make recommendations
 - g. Administer the project closeout on behalf of the County including testing observations, documentation, etc.
 - h. Generate As-Built plans for the County upon project completion.

Please find attached as Exhibit “D” a preliminary Statement of Probable Cost in order to ensure that the discussed scope is in agreement with Hidalgo County Precinct #1.

EXHIBIT "C"

Work Schedule

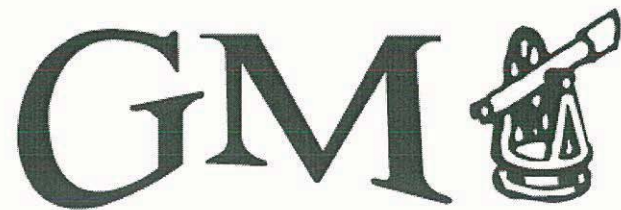


EXHIBIT "D"

Estimated Cost Proposal



EXHIBIT "D"

**ENGINEERS OPINON OF PROBABLE CONSTRUCTION COST
HIDALGO COUNTY PCT. 1 - COLONIA LUCERO DEL NORTE DRAINAGE IMPROVEMENTS
PROJECT
(Mile 11 North & Mile 2 West)**

ITEM NO.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE
Drainage Improvements					
1	Existing Drainage Swales Cut & Reshape	70	STA.	\$400.00	\$28,000.00
2	Remove & Reinstall Existing Fencing (within Swales)	300	L.F.	\$10.00	\$3,000.00
3	Caliche Driveway Repair	0	L.F.	\$4.00	\$0.00
4	Asphalt Driveway Repair	0	L.F.	\$7.00	\$0.00
5	Concrete Wingwalls @ Existing Ditch Discharge	2	EA.	\$6,000.00	\$12,000.00
6	48" RCP Class III (Open Cut)	520	L.F.	\$160.00	\$83,200.00
7	Clean & Reshape Field Drain Ditch	13	STA.	\$500.00	\$6,500.00
8	4' X 7'-5" Type "C-C" Grated Inlet	2	EA.	\$4,000.00	\$8,000.00
9	MBGF @ Discharge Ditch	0	L.F.	\$100.00	\$0.00
10	Concrete Rip-Rap (20' X 40')	0	L.S.	\$5,000.00	\$0.00
11	Barricades, Signs & Traffic Control Plan per TxDOT TMUTCD (For Entire Project)	1	L.S.	\$1,000.00	\$1,000.00
12	Mobilization (Entire Project)	1	L.S.	\$1,000.00	\$1,000.00
Estimated Construction Cost					\$142,700.00
13	Contingency				\$14,270.00
Total Probable Engineers Estimated Construction Cost					\$156,970.00

EXHIBIT "D"

**ENGINEERS OPINON OF PROBABLE CONSTRUCTION COST
HIDALGO COUNTY PCT. 1 - COLONIA LUCERO DEL NORTE DRAINAGE IMPROVEMENTS
PROJECT
(Mile 11 North & Mile 2 West)**

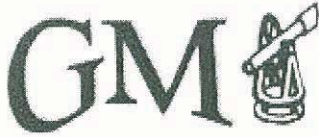
Total Probable Engineers Estimated Construction Cost					\$156,970.00
Engineering, Surveying and Special Services					
a.	Topography Surveying for Study & Design	8315	L.F.	\$3.00 / L.F.	\$24,945.00
b.	Drainage Study Fee	1	L.S.		\$5,000.00
c.	Eng. Design based on Drainage Study Fee	at	10%		\$15,697.00
d.	Const. Phase Services / Daily Inspection Fee	at	4%		\$6,278.80
e.	Drainage Easements (Survey, M&B description & Plat)	2	EA.	\$2,500.00	\$5,000.00
Total Engineers Services					\$56,920.80
Drainage Engineering Cost		\$5,000.00			
Engineering & Surveying Cost		\$51,920.80			
Total		\$56,920.80			

**EXHIBIT D
TASKS FEES BY MANHOURS & RATES**

ENGINEERING & SURVEYING FEE ESTIMATE
BASIC SERVICES

WORK AUTHORIZATION No. 006 - Colonia Lucero Del Norte (Mile 11 North & Mile 2 West)

GAMES TASK	DESCRIPTION OF WORK TASK	PRINCIPAL HOURS	PROJECT ENGINEER HOURS	PROJECT MANAGER HOURS	EFF HOURS	TECH / CAADD HOURS	CLERICAL HOURS	SURVEYOR HOURS	3 PERSON SURVEY CREW	INSPECTOR HOURS	TOTAL HOURS	TOTAL COST PER TASK
1. PRELIMINARY ENGINEERING PLANS & SPECIFICATIONS APPROVED BY LOCALITY PHASE:												
1.1	PRELIMINARY PROJECT KICK-OFF MEETING	1	2	2	1						6	\$800.00
1.2	OBTAIN EXISTING PLANS AND REPORTS			2	4	8	2				16	\$1,490.00
1.3	REVIEW INFORMATION, PERFORM TOPOGRAPHIC SURVEYING FOR ENGINEERING DESIGN, SCOPE FOR GEOTECHNICAL		2					3	40		45	\$5,800.00
1.4	PREPARE PRELIMINARY PLANS AND SPECIFICATIONS	2	4	2	8	24					40	\$4,080.00
1.5	PREPARE COST ESTIMATES		2	2	2	16	2				24	\$2,250.00
1.6	SUBMIT PLANS & SPECIFICATIONS TO OWNER FOR REVIEW	1	2	1	4	8	2				18	\$1,770.00
1.7	ADDRESS REVIEW COMMENTS FROM OWNER			1	4	4	2				11	\$990.00
	TOTAL PRELIMINARY PHASE	4	12	10	23	60	8	3	40	0	160	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 1	\$720.00	\$1,440.00	\$1,400.00	\$2,300.00	\$5,400.00	\$360.00	\$360.00	\$5,200.00	\$0.00		\$17,180.00
2. PLANS & SPECIFICATIONS APPROVED BY REGULATORY AGENCIES PHASE:												
2.1	PREPARE FINAL PLANS	1	4	6	16	32	8	4			71	\$6,820.00
2.2	CONDUCT QUALITY ASSURANCE AND CONTROL		1	2	4	4	2	3			16	\$1,610.00
2.3	PREPARE FINAL PROJECT SPECIFICATIONS		4	4	16	32	12				68	\$6,060.00
2.4	PRESENT FINAL PLANS AND SPECIFICATIONS FOR REVIEW		2	2	2	4	1				11	\$1,125.00
2.5	REVISE FINAL PLANS AFTER REVIEW BY REGULATORY AGENCIES		4	2	8	16	4				34	\$3,180.00
2.6	PREPARE MATERIALS SCHEDULES FOR OWNER		1	2	8	12	4				27	\$2,460.00
2.7	PREPARE FINAL COST ESTIMATE	1	1	2	4	8	3				19	\$1,835.00
2.8	COORDINATE WITH GOVERNMENTAL AND OTHERS REQUIRING APPROVAL AND PREPARE PERMITS FOR CONSTRUCTION	1	1	2	8	12	6				30	\$2,730.00
	TOTAL DESIGN PHASE	3	18	22	66	120	40	7	0	0	276	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 2	\$540.00	\$2,160.00	\$3,080.00	\$6,600.00	\$10,800.00	\$1,800.00	\$840.00	\$0.00	\$0.00		\$25,820.00
3. COMPLETION OF BID ADVERTISEMENT, CONTRACT AWARD AND NOTICE TO PROCEED PHASE												
3.1	PRE-CONSTRUCTION CONFERENCE AND ASSISTANCE	1	1	4		4	2			2	14	\$1,450.00
3.2	CONDUCT PERIODIC INSPECTIONS		8	1						60	69	\$5,300.00
3.3	ASSIST WITH CONFLICTS AND RFI REQUESTS			1		3					4	\$410.00
3.4	REVIEW SHOP DRAWINGS			1		2					3	\$320.00
3.5	CONDUCT FINAL INSPECTION			1						2	3	\$280.00
3.6	PREPARE PUNCH LIST			1		2				2	5	\$460.00
3.7	PREPARE AS-BUILT PLANS					2				2	4	\$320.00
	TOTAL CONSTRUCTION PHASE	1	9	9	0	13	2	0	0	68	102	
	HOURLY RATE	\$180.00	\$120.00	\$140.00	\$100.00	\$90.00	\$45.00	\$120.00	\$130.00	\$70.00		
	SUB-TOTAL PHASE 3	\$180.00	\$1,080.00	\$1,260.00	\$0.00	\$1,170.00	\$90.00	\$0.00	\$0.00	\$4,760.00		\$8,540.00



GUZMAN & MUÑOZ
ENGINEERING AND SURVEYING, INC.
Texas Registered Engineering Firm F-8017

2020 E. EXPRESSWAY 83
MERCEDDES, TX 78570

PHONE: (956) 565-4637
FAX: (956) 565-4636

September 21, 2011

Commissioner Joel Quintanilla
County of Hidalgo, Precinct # 1
1902 Joe Stephens Ave.
Weslaco, Texas 78596

RE: Colonia Lucero Del Norte and adjoining areas
Drainage Study and Improvements
Engineering Services Proposal

Commissioner Quintanilla:

It is our pleasure to submit to Hidalgo County Precinct # 1, this proposal for Professional Engineering Services in relation to the above mentioned project and your request for a Work Authorization proposal. Our site visits and preliminary research along with our meeting with you and your staff concerning Colonia Lucero Del Norte and the adjoining areas, has given us an understanding of the required improvements for this project. Based on this information the following are our fees for engineering services:

Topography Surveying for Study & Design	\$24,945.00
Drainage Study	\$ 5,000.00
Engineering Design from Drainage Study Recommendations	\$15,697.00
Construction Phase Services/Daily Inspection	\$ 6,278.80
Drainage Easements	\$ 5,000.00

We are prepared to proceed with the drainage study and construction plans for the improvements of Colonia Lucero Del Norte. The plans will meet all criteria requirements set forth by the County. We will be performing services as follows:

- Topographic Survey
- Drainage Study
- Drainage Easements (Survey, Metes & Bounds)
- Plans
- Specifications
- Construction Cost Estimates
- Construction Oversight
- Close Out Documentation
- As-Built Plans

This is our best and final offer. Should you have any questions or concerns please feel free to contact our office at (956) 565-4637.

Respectfully Submitted,

Jose L. Muñoz, P.E., S.I.T.
Principal

Hidalgo County Precinct #1 Colonia Lucero Del Norte Drainage Improvements

September 2011



2020 E. Expressway 83
Mercedes, Texas 78570
(956) 565-4637

FOR COUNTY TREASURER TO ISSUE PAYMENT(S)/CHECK(S).

A. Hidalgo County

nothing to report

1. **Current inter-local(s) and/or contract(s) for the "Housing of Inmates"**

2. **Presentation for discussion, consideration and action**

Including, but not limited to, the following items in connection with New Adult Detention Center:

nothing to report a-c

a) Detention Facility Law Enforcement Center Design- Build Contract with including action regarding Landmark Application for payment, final punch list and release of retainage

b) Construction of additional pod(s)

c) Selection and engagement of an architect for the construction of additional pods

3. Presentation for discussion, consideration and action (if necessary) including, but not limited to the following:

nothing to report a-c

a) Renovations of administration building

b) Other ongoing county owned building construction, renovation repair projects

c) Emergency situations occurring since last agenda meeting

4. **AI-28775** Pursuant to previous approval (08/22/11) of award and contract (C-11-186-08-22)with Texas Land Reclamation, a request by awarded vendor to permit the subcontracting of **UTW Transportation** in connection to "Hidalgo County-Tire Disposal" project inasmuch as UTW Transportation provides the transporting of the tires for Texas Land Reclamation to the facility.

approved

B. Pct. 1

approved

1. **AI-28627** Presentation of bids received as detailed and attached herein for the purpose of award and approval of contract document with the lowest vendor meeting all specifications and/or requirements as attached hereto for: Hidalgo County Precinct 1 Purchase of Reclaimed Asphalt Pavement (RAP) Material - RFB No. 2011-177-08-03-YZV.

2. **AI-28762** Approval of request for Work Authorizations as follows with Guzman & Munoz Engineering & Surveying, Inc. for professional engineering services through Contract #C-11-111-04-19 as further detailed:

approved

→ a. Work Authorization No. 004-\$77,837.00 for "Paving and Drainage Improvements to Mile 17 North Road, From FM 3071 (Mile 4 West), west 2,720 Feet and From FM 1015 (Mile 3 West), east 400 Feet".

approved
approved
approved

→ b. Work Authorization No. 005-\$36,695.22 for "Drainage Improvements to Colonia Adams & Black (Mile 10.5 North and Mile 3 West)".

→ c. Work Authorization No. 006-\$56,920.80 for "Colonia Lucero Del Norte Drainage Improvements At Mile 11 North And Mile 2 West.

3. **AI-28672** Acceptance and approval of Supplemental Agreement No. 1 to Work Authorization No. 001 of an increase amount of \$141,615.04 to be combined with previous approved amount of \$63,900.00 thus resulting with a grand total not to exceed the amount of \$205,515.04 in connection to Contract #C-11-111-04-19 with Guzman & Munoz Engineering and Surveying, Inc. for professional engineering services for "Paving and Drainage Improvements to Mile 17 North Road from FM 3071 (Mile 4 West) to FM 1015 (Mile 3 West).

Work Authorization No.004

Work Authorization No.005

Work Authorization No.006

Form Review

Inbox	Reviewed By	Date
Purchasing Department	Darlene Betancourt	09/22/2011 10:06 AM
Budget & Management	Merlen P. Munoz	09/22/2011 10:18 AM
Purchasing Department	Darlene Betancourt	09/22/2011 10:06 AM
Budget & Management	Merlen P. Munoz	09/22/2011 10:18 AM
Ivan Cantu		
Auditor's Office		
Form Started By: Vangie Garcia		Started On: 09/21/2011 04:23 PM



AI-28762

18. B. 2.

CC REGULAR

Meeting

Date: 09/27/2011

Submitted For: Martha Salazar

Submitted By: Vangie Garcia, PURCHASING DEPT.

Department: PURCHASING DEPT.

Information

CAPTION

Approval of request for Work Authorizations as follows with Guzman & Munoz Engineering & Surveying, Inc. for professional engineering services through Contract #C-11-111-04-19 as further detailed:

- a. Work Authorization No. 004-\$77,837.00 for "Paving and Drainage Improvements to Mile 17 North Road, From FM 3071 (Mile 4 West), west 2,720 Feet and From FM 1015 (Mile 3 West), east 400 Feet".
- b. Work Authorization No. 005-\$36,695.22 for "Drainage Improvements to Colonia Adam & Black (Mile 10.5 North and Mile 3 West)".
- c. Work Authorization No. 006-\$56,920.80 for "Colonia Lucero Del Norte Drainage Improvements At Mile 11 North And Mile 2 West.

BACKGROUND

The Precinct has requested emergency transfers in order to comply with the entering of the requisitions in the system prior to CC placement for approval. The Precinct has spoken to Auditor's Office and are currently in the process of initiating these tranfers.

Fiscal Impact

FISCAL YEAR: 2011

ACCT. #: 1-1342-431-00-121-085-0-731

FUNDS AVAILABLE Y/N?: Y/pending MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

Mile 17N (M4W-M3W) funding for WA #4 is pending posting of emergency transfer JE #14045.

FISCAL YEAR: 2011

ACCT. #: 1-1342-431-00-121-095-0-731/733

FUNDS AVAILABLE Y/N?: Y/pending MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

Colonia Adams & Black-Funding for WA #5 is pending posting of emergency transfer JE #14045

FISCAL YEAR: 2011

ACCT. #: 1342-431-00-121-094-0-731/732

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

Attachments