

## Evangelina Garcia

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**From:** Noe Montez [noe.montez@co.hidalgo.tx.us]  
**Sent:** Wednesday, May 04, 2011 4:37 PM  
**To:** evangelina.garcia@co.hidalgo.tx.us  
**Subject:** FW: Work Authorization 1, 2 and 3  
**Attachments:** WORK\_AUTORIZATION\_01.pdf; WORK\_AUTORIZATION\_02.pdf;  
WORK\_AUTORIZATION\_03.pdf

Here are the 1<sup>st</sup> three work auth for the Guzman, Munoz Engineering contract.....can you help us place on next cc meeting.....we would like it on for the meeting of the 10<sup>th</sup> of may...please advise if I need to do anything on my end to make this happen. if I need to call Monica etc.....thanks

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**From:** Jeff Riviera [mailto:JRIVIERA@gmes.biz]  
**Sent:** Wednesday, May 04, 2011 4:14 PM  
**To:** noe.montez@co.hidalgo.tx.us  
**Subject:** Work Authorization 1, 2 and 3

Mr. Montez,

Enclosed as requested are Work Authorization 1,2, and 3 as requested by the Commissioner in a letter dated April 26,2011.

Thank You,

*Jeff C. Riviera*

**Guzman & Munoz Engineering and Surveying, Inc.**

8(a) Coordinator

G.I.S. Analyst

Special Projects



**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

April 27, 2011

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

RE: Mile 17 North Road Improvements (FM 3071 to FM 1015)  
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, as per your letter to us dated April 26, 2011, requesting our Work Authorization Proposal and our site visits and preliminary research along with our meeting with you and your staff on Mile 17 North has given us an understanding of the required improvements for this project. Based on this information the following are our fees for:

Engineering	\$30,300.00
Construction Phase Services/Daily Inspection	\$14,400.00
Topography Surveying	\$19,200.00

We are prepared to proceed with construction plans for the improvements of Mile 17 North. The plans will meet all criteria requirements set forth by the County. We will be performing services as follows:

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

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  
Mile 17 N. Road  
Improvements**

April 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. 001**

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, Surveying and Construction Management Services for Paving and Drainage Improvements to Mile 17 North Road, from FM 3071 (Mile 4 West) to FM 1015 (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 \$ 63,900.00. 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.001 shall be funded through funding source:

Account No. 1-1342-431-00-121-041-0-731

Requisition Number \_\_\_\_\_ (MUST BE INCLUDED AFTER CC APPROVAL)

**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.001.

HIDALGO COUNTY PRECINCT # 1 JOEL QUINTANILLA.

BY: \_\_\_\_\_

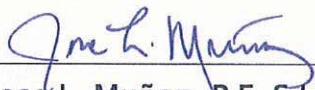
Joel Quintanilla, Commissioner

**PART 8. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on \_\_\_\_\_ as indicated below and effective as of \_\_\_\_ day of \_\_\_\_\_, 2011.

**THE ENGINEER:**  
Guzman & Muñoz Engineering  
& Surveying, Inc.

**THE OWNER:**  
HIDALGO COUNTY

  
By: Jose L. Muñoz, P.E. S.I.T.

\_\_\_\_\_  
By: Ramon Garcia, County Judge

**ATTEST:**

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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**

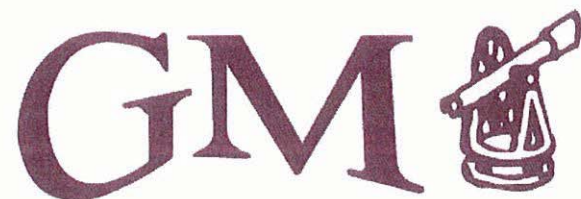
#### **Mile 17 North Road Improvements**

#### **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**

#### **Mile 17 North Road Improvements**

#### **Scope of Services**

This project consists of providing all necessary documentation and services as outlined in Hidalgo County Pct. 1 letter dated April 26, 2011, as well as construction plans,

and surveying for the Mile 17 North Road Improvements.

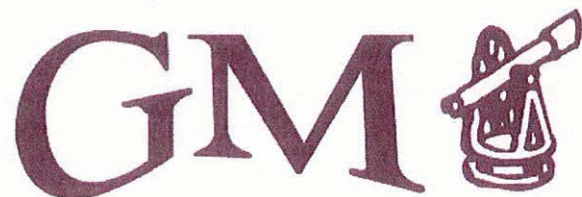
The following is the work to be done for this project:

1. Road Improvements
  - a. Conduct a topographic survey for the project area.
  - b. Generate plans and profiles for the proposed project.
  - c. Provide site visits to monitor construction progress.
  - d. Review pay request and make recommendations
  - e. Administer the project closeout on behalf of the County including testing observations, documentation, etc.
  - f. 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 OPINION OF PROBABLE CONSTRUCTION COST  
HIDALGO COUNTY PCT. 1 -MILE 17 NORTH IMPROVEMENTS PROJECT  
From: Mile 4 West To: Mile 3 West**

ITEM NO.	DESCRIPTION	EST.		UNIT PRICE	TOTAL PRICE
		QTY	UNIT		
<b>Section 1 - Sta. 53+23 to Sta. 56 + 00 Reconstruction (3 lanes, 2 - 12' &amp; 1 - 14' Left, 277 feet length)</b>					
1	Reworking Base Courses - Type B (TxDOT Item 251)	623	S.Y.	\$2.50	\$1,557.50
2	6" New Caliche Type E , Grade 4 (as needed)	343	Tons	\$14.00	\$4,802.00
3	12" Lime Treated Sub-Grade	1,214	S.Y.	\$4.50	\$5,463.00
4	Lime-stabilized Sub-Grade (4% by Weight)	23	Ton	\$140.00	\$ 3,220.00
5	Prime Coat (MC-30) (0.2 gal/S.Y.)	243	Gal.	\$4.00	\$972.00
6	Hot Mix Asphalt Concrete Pavement (Type D) (2" Comp. Thick)	1,214	S.Y.	\$10.00	\$12,140.00
7	Driveway (Asphalt) 1 1/2 " HACP w/ 6" Caliche Base	0	S.Y.	\$7.00	\$0.00
8	Driveway Concrete Repair 4' Wide (6X6X6ga WM)	0	S.F.	\$5.00	\$0.00
9	48 " Reinf. Concretete Valley Gutter	39	L.F.	\$18.00	\$702.00
10	18" Conc. Curb & Gutter Reinf.	112	L.F.	\$11.00	\$1,232.00
11	4" Wide Refl. Pav. Mrk - Type II - (TxDOT Item 666)	600	L.F.	\$1.50	\$900.00
12	Raised Pav. Mrk Type II-A-A (TxDOT Item 672)	50	EA.	\$7.00	\$350.00
13	18" RCP Culvert	160	L.F.	\$28.00	\$4,480.00
14	18" Conc. S.E.T.	4	EA.	\$900.00	\$3,600.00
15	Cleaning & Reshaping Ditches	3	STA.	\$300.00	\$840.00
16	Barricades, Signs & Traffic Handling (For Entire Project)	1	L.S.	\$12,000.00	\$12,000.00
17	Mobilization (Entire Project)	1	L.S.	\$11,000.00	\$11,000.00
<b>SUB-TOTAL AMOUNT</b>					<b>\$63,258.50</b>

<b>Section 2 - Sta. 56 + 00 to Sta. 58+23 Reconstruction (Transition 3 Lanes to 2 Lanes, 224 feet length)</b>					
1	Reworking Base Courses - Type B (TxDOT Item 251)	500	S.Y.	\$2.50	\$1,250.00
2	6" New Caliche Type E , Grade 4 (as needed)	275	Tons	\$14.00	\$3,850.00
3	12" Lime Treated Sub-Grade	725	S.Y.	\$4.50	\$3,262.50
4	Lime-stabilized Sub-Grade (4% by Weight)	19	Ton	\$140.00	\$ 2,660.00
5	Prime Coat (MC-30) (0.2 gal/S.Y.)	145	Gal.	\$4.00	\$580.00
6	Hot Mix Asphalt Concrete Pavement (Type D) (2" Comp. Thick)	725	S.Y.	\$11.00	\$7,975.00
7	Driveway (Asphalt) 1 1/2 " HACP w/ 6" Caliche Base	0	S.Y.	\$7.00	\$0.00
8	Driveway Concrete Repair 4' Wide (6X6X6ga WM)	0	S.F.	\$5.00	\$0.00
9	4" Wide Refl. Pav. Mrk - Type II - (TxDOT Item 666)	510	L.F.	\$1.50	\$765.00
10	Raised Pav. Mrk Type II-A-A (TxDOT Item 672)	45	EA.	\$7.00	\$315.00
11	18" RCP Culvert	0	L.F.	\$28.00	\$0.00
12	18" Conc. S.E.T.	8	EA.	\$900.00	\$7,200.00
13	Cleaning & Reshaping Ditches	2	STA.	\$300.00	\$600.00
<b>SUB-TOTAL AMOUNT</b>					<b>\$28,457.50</b>

## EXHIBIT "D"

**ENGINEERS OPINION OF PROBABLE CONSTRUCTION COST  
HIDALGO COUNTY PCT. 1 -MILE 17 NORTH IMPROVEMENTS PROJECT  
From: Mile 4 West To: Mile 3 West**

Section 3 - Sta. 58+23 to Sta. 106+75 (2 lanes overlay, 4,852 feet length)					
1	Hot Mix Asphalt Concrete Pavement (Type D) (1½" Comp. Thick) (Over-Lay)	11,325	S.Y.	\$7.50	\$ 84,937.50
2	Tack Coat (SS-1) (0.05 gal/S.Y.)	566	Gal.	\$4.00	\$2,265.00
3	Driveway (Asphalt) 1 1/2 " HACP w/ 6" Caliche Base	160	S.Y.	\$8.00	\$1,280.00
4	Driveway Concrete Repair 4' Wide (6X6X6ga WM)	1,175	S.F.	\$5.00	\$5,875.00
5	4" Wide Refl. Pav. Mrk - Type II - (TxDOT Item 666)	2,430	L.F.	\$1.50	\$3,645.00
6	18" RCP Culvert	128	L.F.	\$28.00	\$3,584.00
7	18" Conc. S.E.T.	14	EA.	\$900.00	\$12,600.00
8	Cleaning & Reshaping Ditches	21	STA.	\$300.00	\$6,300.00
9	4 X 6 Grated Inlets	6	EA.	\$3,000.00	\$18,000.00
10	24" RCP for inlets	100	L.F.	\$48.00	\$4,800.00
11	36" RCP for inlets	200	L.F.	\$72.00	\$14,400.00
12	80' X 10' Conc. Rip-Rap (Stl. Reinf)	800	S.F.	\$7.50	\$6,000.00
<b>SUB-TOTAL AMOUNT</b>					<b>\$163,686.50</b>

Section 4 - Sta. 106+75 to Sta. 107+37 (2 lanes 62 feet length)					
1	Reworking Base Courses - Type B (TxDOT Item 251)	140	S.Y.	\$2.50	\$350.00
2	6" New Caliche Type E , Grade 4 (as needed)	48	Tons	\$14.00	\$672.00
3	12" Lime Treated Sub-Grade	166	S.Y.	\$4.50	\$747.00
4	Lime-stabilized Sub-Grade (4% by Weight)	4	Ton	\$140.00	\$ 560.00
5	Prime Coat (MC-30) (0.2 gal/S.Y.)	33	Gal.	\$4.00	\$132.00
6	Hot Mix Asphalt Concrete Pavement (Type D) (2" Comp. Thick)	165	S.Y.	\$9.00	\$1,485.00
7	Driveway (Asphalt) 1 1/2 " HACP w/ 6" Caliche Base	11	S.Y.	\$7.00	\$77.00
8	Driveway Concrete Repair 4' Wide (6X6X6ga WM)	0	S.F.	\$3.50	\$0.00
9	4" Wide Refl. Pav. Mrk - Type II - (TxDOT Item 666)	67	L.F.	\$1.50	\$100.50
10	18" RCP Culvert	32	L.F.	\$28.00	\$896.00
11	18" Conc. S.E.T.	2	EA.	\$900.00	\$1,800.00
12	Cleaning & Reshaping Ditches	1	STA.	\$300.00	\$300.00
<b>SUB-TOTAL AMOUNT</b>					<b>\$7,119.50</b>

<b>Total Probable Engineers Estimated Construction Cost</b>	<b>\$262,522.00</b>
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a. 10% Contingency	\$26,250.00
b. Engineering	\$30,300.00
c. Constuction Phase Services / Daily Inspection	\$14,400.00
d. Topography Surveying	\$19,200.00
	5420 L.F.