

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract #C-19-243-07-16**  
**Work Authorization Form**

**WORK AUTHORIZATION NO. 2**

**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, **JAVIER HINOJOSA ENGINEERING** professional engineers of **McALLEN** Texas, hereinafter called "Engineer".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide **Engineering services required for the preparation of construction plans for the turning lane improvements on Tom Gill Road and Mile 5 ½ Road.**

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 **\$9,200.00**. 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 Articles 5, 6, and 7 of the Agreement.

**PART 4. FUNDING**

This Work Authorization No. 4 shall be funded through funding source:

Account No. 9-1200-431-00-123-0050-721

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 upon completion of scopes of the work authorization.

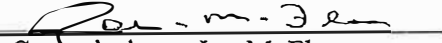
**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

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 No. 3 Commissioner **Joe M. Flores** as to content and detail of this Work Authorization No. #2

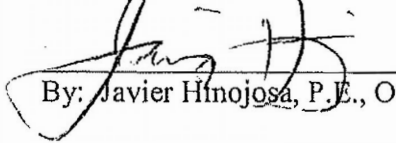
HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 3:

BY:   
Commissioner Joe M. Flores

**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 \_\_\_\_\_, 2019.

THE ENGINEER:  
JAVIER HINOJOSA ENGINEERING

  
By: Javier Hinojosa, P.E., Owner

THE OWNER:  
HIDALGO COUNTY

\_\_\_\_\_  
By: Richard Cortez, County Judge

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"**  
**Services to be Provided by the County**

The following provides an outline of the services to be provided by the **County** in the development of the **Project** .

**General**

The **Owner** will provide to the **Engineer** the following:

- (1) Payment for work performed by the **Engineer** and accepted by the **County** in accordance with Article 8 of this Agreement.
- (2) Assistance to the **Engineer**, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies that the **Engineer** cannot easily obtain.
- (3) Provide any available relevant data the **County** may have on file concerning the project.
- (4) Provide timely review and decisions in response to the **Engineer's** request for information and/or required submittals and deliverables, in order for the **Engineer** to maintain the agreed-upon work schedule prepared in accordance with **EXHIBIT "C"** attached to this Agreement.
- (5) Attend and participate in progress meetings as required and as coordinated and conducted by the **Engineer**.

## **EXHIBIT "B"**

### **Services to be provided by the Engineer**

The following provides an outline of the services to be provided by the **Engineer** in the development of the **Project**.

The **ENGINEER** will evaluate and design the Drainage Improvements as follows:

- Review existing conditions to develop the design criteria;
- Conduct field surveys to obtain information on existing conditions and topography on proposed project site;
- Identify alignments and right of ways of proposed project site;
- Prepare plans and specifications for the improvements;
- Assist in bidding of the improvements;
- Provide construction staking and periodic inspection services during the construction phase of the improvements.

**EXHIBIT C**  
**Javier Hinojosa Engineering**  
**Engineering Contract Rates**  
**Project: Tom Gill Road and Mile 5 1/2 Road Turning Lane Improvements**  
**Hidalgo County Precinct No. 3**

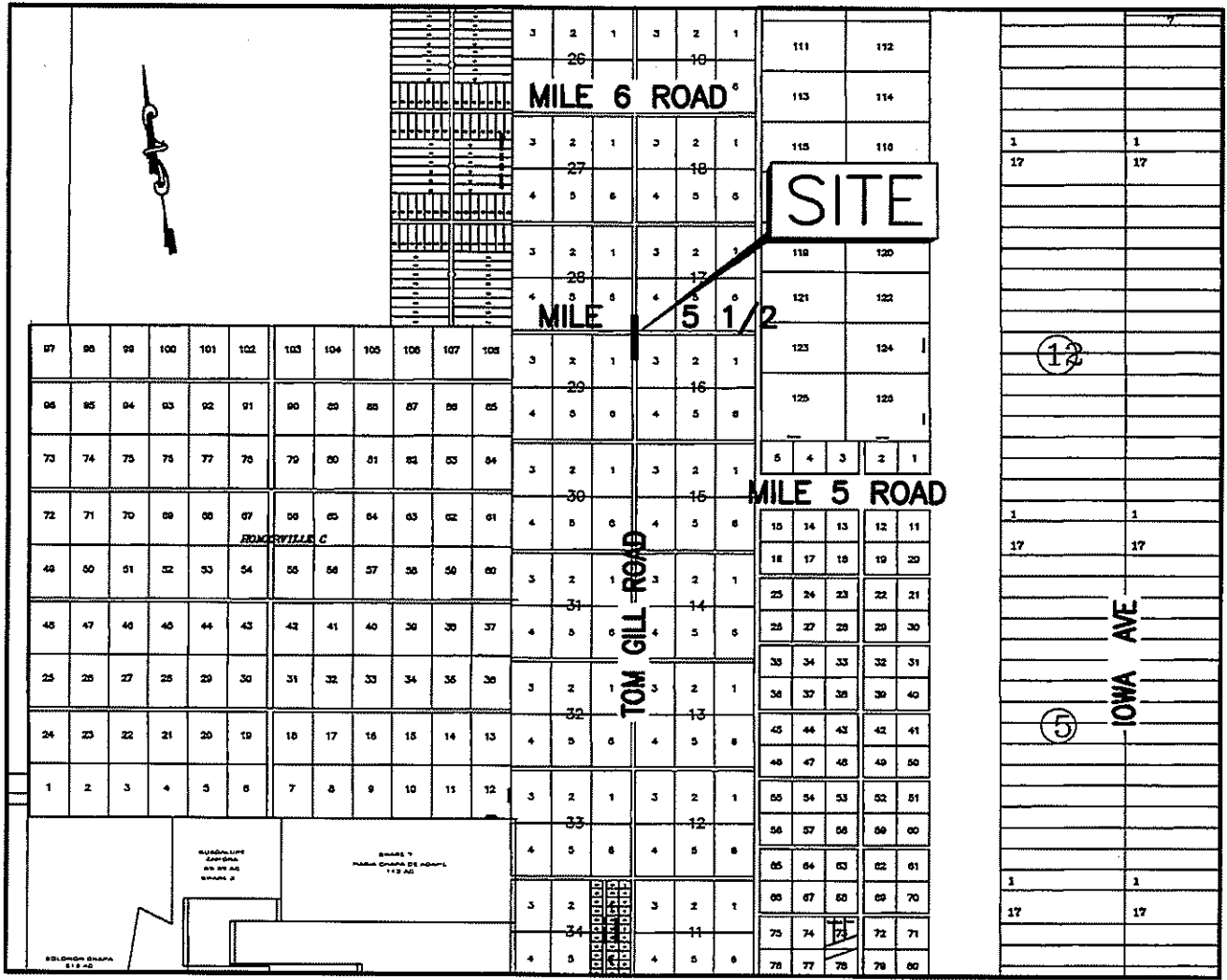
Project Description: Work Authorization No. 4 Tom Gill Road and Mile 5 1/2 Road Turning Lane Improvements	Project Principal	Project Engineer	R.P.L.S.	G.P.S. Survey Crew	3 Man Survey Crew	CADD/Designer	Clerical	Total Hours & Cost
Preliminary Phase	0	5	0	8	0	10	0	23
Design Phase	0	12	0	3	0	32	2	49
Construction Phase	0	5	0	7	0	2	2	16
<b>TOTAL HOURS</b>	0	22	0	18	0	44	4	88
<b>RATE PER HOUR</b>	<b>\$225.00</b>	<b>\$150.00</b>	<b>\$145.00</b>	<b>\$150.00</b>	<b>\$110.00</b>	<b>\$70.00</b>	<b>\$30.00</b>	
<b>TOTAL COST</b>	<b>\$0.00</b>	<b>\$3,300.00</b>	<b>\$0.00</b>	<b>\$2,700.00</b>	<b>\$0.00</b>	<b>\$3,080.00</b>	<b>\$120.00</b>	<b>\$9,200.00</b>

**EXHIBIT "D"**  
**Preliminary Cost Estimate**  
**Hidalgo County Precinct No. 3**  
**Tom Gill Road and Mile 5 1/2 Road Turning Lane Improvements**  
**Prepared By: Javler Hinojosa Engineering**  
**May 21, 2019**

**Tom Gill Road and Mile 5 1/2 Road Turning Lane**

1. Unc. Excavation	625	CY	@	\$5.00	=	\$3,125.00
2. Grade Bar Ditches	1,200	LF	@	\$2.00	=	\$2,400.00
3. 10" Flexible Base	1,250	SY	@	\$12.00	=	\$15,000.00
4. 1 1/2" HMAC Type "D"	1,050	SY	@	\$15.00	=	\$15,750.00
5. Lime Treated Subgrade (If Required)	1,250	SY	@	\$2.00	=	\$2,500.00
6. Lime (If Required)	16	TONS	@	\$185.00	=	\$2,960.00
7. 1 1/4" HMA Overlay	2,700	SY	@	\$12.00	=	\$32,400.00
8. 18" RC Pipe Culvert	60	LF	@	\$40.00	=	\$2,400.00
9. Safety End Treatment	2	EA	@	\$1,500.00	=	\$3,000.00
10. Striping	LUMP SUM		@	\$3,000.00	=	\$3,000.00
11. Traffic Control	LUMP SUM		@	\$5,000.00	=	\$5,000.00

<b>Subtotal</b>	:	<b>\$87,535.00</b>
<b>Engineering Fee</b>	:	<b>\$9,200.00</b>
<b>Contingency (10%)</b>	:	<b>\$8,753.50</b>
<b>Material Testing</b>	:	<b>\$2,626.05</b>
<b>Total</b>	:	<b>\$108,114.55</b>



# TOM GILL ROAD AND 5-1/2 MILE TURNING LANES

LOCATION MAP