

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

**WORK AUTHORIZATION NO. 1**

**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 paving improvements for the following:**

**1. Inspiration Road – Mile 5 to Mile 6 1/8**

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 **\$65,040.00**. 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. 3 shall be funded through funding source:

Account No. 9-1200-431-00-123-005-0-721

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.

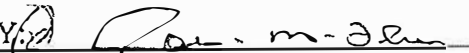
**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

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. #1.

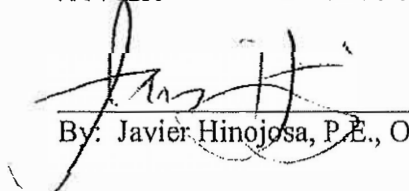
HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 3:

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 Paving and 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 roadways;
- Identify alignments and right of ways of proposed roadways;
- Develop typical cross sections for proposed roadway and drainage improvements;
- 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: Inspiration Road Paving Improvements (Mile 5 to Mile 6 1/8)**  
**Hidalgo County Precinct No. 3**

Project Description: Work Authorization No. 3 Inspirition Road Paving Improvements (Mile 5 to Mile 6 1/8)	Project Principal	Project Engineer	R.P.L.S.	G.P.S. Survey Crew	3 Man Survey Crew	CADD/Designer	Clerical	Total Hours & Cost
<b>Preliminary Phase</b>	0	20	0	69	0	62	0	151
<b>Design Phase</b>	0	87	0	25	0	232	14	358
<b>Construction Phase</b>	0	34	0	53	0	6	14	107
<b>TOTAL HOURS</b>	0	141	0	147	0	300	28	616
<b>RATE PER HOUR</b>	\$225.00	\$150.00	\$145.00	\$150.00	\$110.00	\$70.00	\$30.00	
<b>TOTAL COST</b>	\$0.00	\$21,150.00	\$0.00	\$22,050.00	\$0.00	\$21,000.00	\$840.00	\$65,040.00

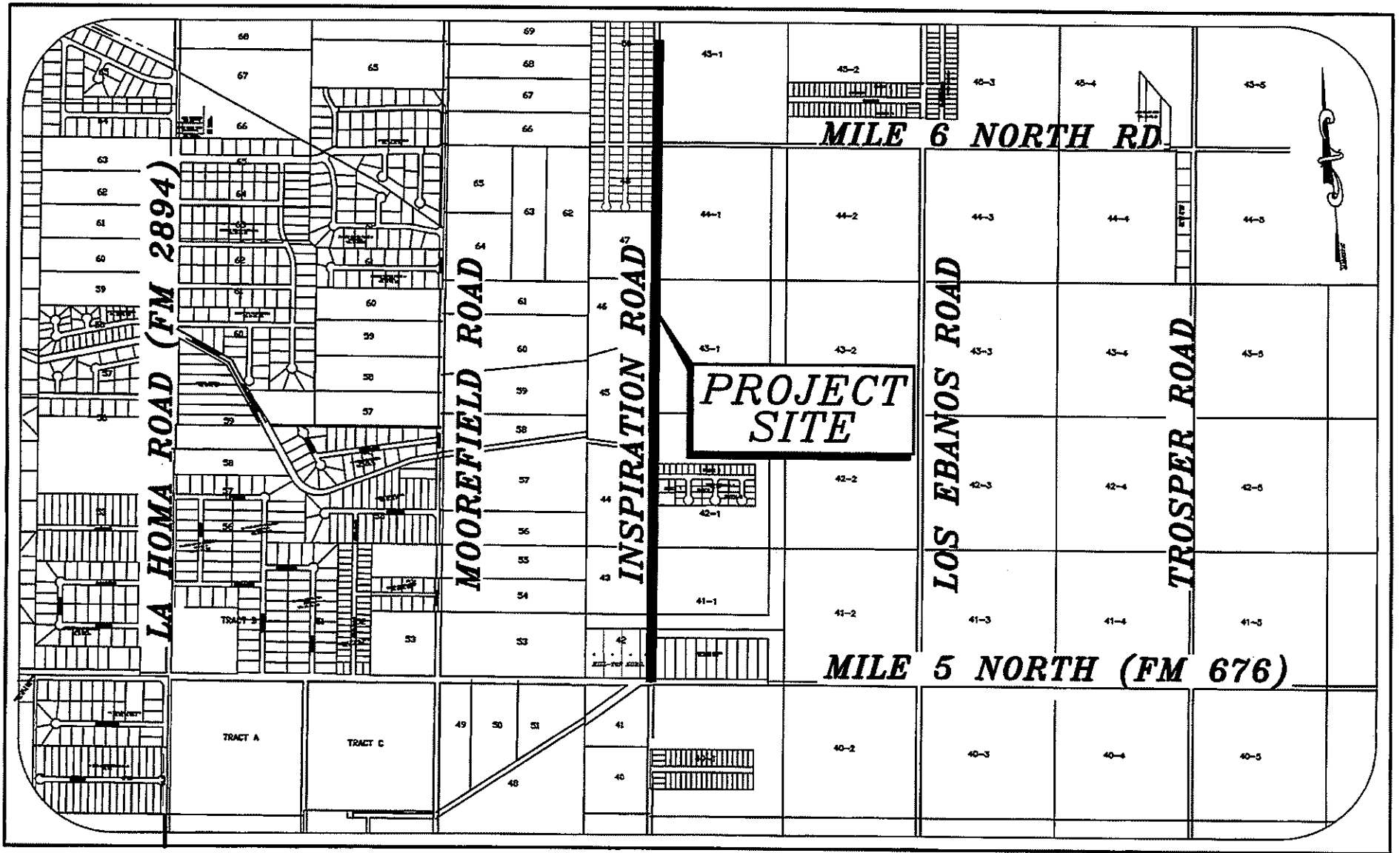
**EXHIBIT "D"**  
**Preliminary Construction Cost Estimate**  
**Hidalgo County Precinct No. 3 Paving Improvements**  
**Inspiration Road (Mile 5 to Mile 6 1/8)**  
**Prepared By: Javier Hinojosa Engineering**  
**May 21, 2019**

**A. Inspiration Road Paving Improvements (Mile 5 to Mile 6 1/8)**

1. Unclassified Excavation	8,000	CY	@	\$5.00	=	\$40,000.00
2. Subgrade Preparation	16,100	SY	@	\$2.50	=	\$40,250.00
3. 10" Caliche Base	16,100	SY	@	\$9.00	=	\$144,900.00
4. 2" HMAC (Type "D")	14,400	SY	@	\$14.00	=	\$201,600.00
5. 4" Striping	3,000	LF	@	\$0.50	=	\$1,500.00
6. 15" RCP Culverts (Driveways)	1,200	LF	@	\$22.00	=	\$26,400.00
7. Asphalt Driveway Repair	50	EA	@	\$500.00	=	\$25,000.00
8. Concrete Driveway Repair	5	EA	@	\$1,000.00	=	\$5,000.00
9. Regrade Bar Ditches	10,500	LF	@	\$2.00	=	\$21,000.00
10. Safety End Treatments	40	EA	@	\$1,200.00	=	\$48,000.00
11. 2" HMAC Overlay (Mile 5 to Ditch)	2,200	SY	@	\$14.00	=	\$30,800.00
12. Adjust Manhole	4	EA	@	\$1,500.00	=	\$6,000.00
13. Traffic Sensor Replacement	1	EA	@	\$4,000.00	=	\$4,000.00
14. Traffic Control	LUMP	SUM	@	\$15,000.00	=	\$15,000.00
15. Utility Adjustments	LUMP	SUM	@	\$10,000.00	=	\$10,000.00

<b>Subtotal</b>	:	<b>\$619,450.00</b>
<b>Engineering and Surveying Fee</b>	:	<b>\$65,040.00</b>
<b>Contingency (10%)</b>	:	<b>\$61,945.00</b>
<b>Material Testing</b>	:	<b>\$18,583.50</b>
<b>Total</b>	:	<b>\$765,018.50</b>

**NOTE: Paving Improvements consist of reconstruction of roadway from Mile 6 1/8 south approximately 5,100 LF to the Hidalgo County Drainage District No. 1 drain ditch and overlay the street section south of the ditch to Mile 5.**



LOCATION MAP

**HIDALGO COUNTY PRECINCT NO. 3  
INSPIRATION ROAD PAVING IMPROVEMENTS**