

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract #C-17-329-12-19**  
**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 paving and drainage improvements for the following:**

1. **Western Road – Mile 12 to Mile 14**

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 **\$103,530.00**. 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. **2** shall be funded through funding source:

Account No. 0-1351-431-00-123- - - -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. #2.

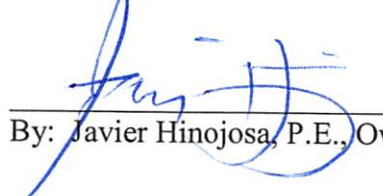
HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 3:

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 \_\_\_\_\_, 2018.

THE ENGINEER:  
JAVIER HINOJOSA ENGINEERING

  
By: Javier Hinojosa, P.E., Owner

THE OWNER:  
HIDALGO COUNTY

\_\_\_\_\_  
By: Ramon Garcia, 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: Western Road (Mile 12 to Mile 14)**  
**Hidalgo County Precinct No. 3**

Project Description: Work Authorization No. 2 Western Road (Mile 12 to Mile 14)	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	30	0	110	0	100	0	240
Design Phase	0	138	0	40	0	370	23	571
Construction Phase	0	54	0	85	0	10	23	172
<b>TOTAL HOURS</b>	0	222	0	235	0	480	46	983
<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	\$33,300.00	\$0.00	\$35,250.00	\$0.00	\$33,600.00	\$1,380.00	\$103,530.00

**EXHIBIT "D"**  
**Preliminary Construction Cost Estimate**  
**Hidalgo County Precinct No. 3 Paving Improvements**  
**Western Road (Mile 12 to Mile 14)**  
**Prepared By: Javier Hinojosa Engineering**  
**October 2, 2018**

**A. Western Road (Mile 12 to Mile 14)**

1 Subgrade Preparation	32,900	SY	@	\$2.50	=	\$82,250.00
2 12" Caliche Base	32,900	SY	@	\$10.00	=	\$329,000.00
3 2" HMAC (Type "D")	28,500	SY	@	\$13.00	=	\$370,500.00
4 4" Striping	3,600	LF	@	\$0.50	=	\$1,800.00
5 18" RCP Culverts	1,100	LF	@	\$25.00	=	\$27,500.00
6 15" ADS Culverts	1,000	LF	@	\$20.00	=	\$20,000.00
7 Driveway Repair	35	EA	@	\$400.00	=	\$14,000.00
8 Regrade Bar Ditches	42,200	LF	@	\$2.00	=	\$84,400.00
9 Safety End Treatments	35	EA	@	\$1,200.00	=	\$42,000.00
10 Mailbox Relocations	10	EA	@	\$500.00	=	\$5,000.00
11 Irrigation Crossings	2	EA	@	\$5,000.00	=	\$10,000.00
					:	
					:	<b>\$986,450.00</b>
					:	<b>\$103,530.00</b>
					:	<b>\$98,645.00</b>
					:	<b>\$29,593.50</b>
					:	<b>\$1,218,218.50</b>