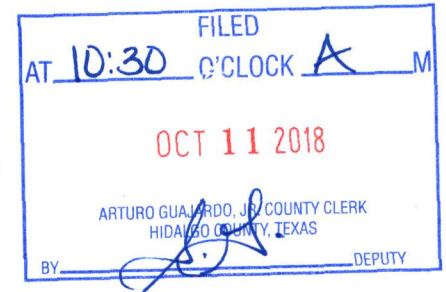


HIDALGO COUNTY
Professional Engineering Services
Contract #C-17-329-12-19
Work Authorization Form



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. 8-1351-431-00-123-0721

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:

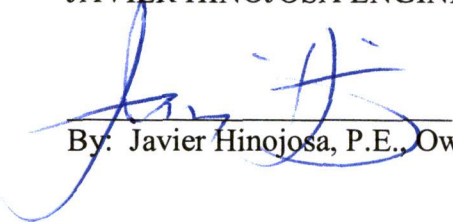
BY: 
Commissioner Joe M. Flores

PART 8. ACCEPTANCE AND APPROVAL


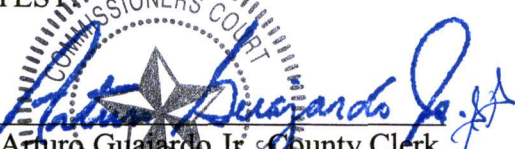
This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 10/9/18 as indicated below and effective as of ____ day of _____, 2018.

THE ENGINEER:
JAVIER HINOJOSA ENGINEERING

THE OWNER:
HIDALGO COUNTY


By: Javier Hinojosa, P.E., Owner


By: Ramon Garcia, County Judge

ATTEST


by: Arturo Guajardo Jr., County Clerk

APPROVED BY
COMMISSIONERS' COURT
ON: 10/9/18 

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
TOTAL HOURS	0	222	0	235	0	480	46	983
RATE PER HOUR	\$225.00	\$150.00	\$145.00	\$150.00	\$110.00	\$70.00	\$30.00	
TOTAL COST	\$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
					:	
					:	\$986,450.00
					:	\$103,530.00
					:	\$98,645.00
					:	\$29,593.50
					:	\$1,218,218.50