

HIDALGO COUNTY

General Engineering Services

Contract # C-06-313-09-05

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, TEDSI Infrastructure Group professional engineers of Mission, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide feasibility studies for five roadways within the jurisdiction of Precinct #1, City of Weslaco and Hidalgo County Drainage District No. 1. The five roadways to be studied are as follows.

1. Mile 6 West – Mile 9 to Mile 11 North
2. Mile 6 North Airport to FM 1015
3. Bridge St. – Mile 5 North to 18th St.
4. Border St. – Mile 5 North to 18th St.
5. Mile 5 North – FM 1015 to Mile 7 West

The scope of services to be provided by the **Owner** is identified in **ATTACHMENT "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 **ATTACHMENT "B"** – *Scope of Services to be Provided by the Engineer* attached hereto.

PART 2. ESTIMATED COST

The Lump Sum cost for services under this Work Authorization is \$50,000.00. 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 5 & 6 of the Agreement.

PART 4. FUNDING

This Work Authorization No. 1 shall be funded through funding source:

Account No. - - - - -

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 or November 30, 2006.

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. 1, Commissioner Sylvia Handy as to content and detail of this Work Authorization No. # 1.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: _____

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 _____, 2006.

THE ENGINEER:
TEDSI INFRASTRUCTURE GROUP

THE OWNER:
HIDALGO COUNTY

By: Mark W. Lupher, P.E., RPLS

By: Ramon Garcia, County Judge

ATTEST:

By: Eddy Trevino-Acting 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

ATTACHMENT "B"
Services to be Provided by the Engineer

GENERAL

This work authorization is to provide Feasibility Studies for the proposed ultimate widening of the roadways identified in Exhibit "A" attached hereto. The **Engineer** shall provide these services in accordance with Design Criteria associated with Hidalgo County & the City of Weslaco. The following tasks shall be provided by the **Engineer**.

The work to be furnished by the Engineer shall consist of management and general engineering services for Various Roadway & Drainage Improvements associated with Feasibility Studies on the following five roads: 1) Mile 6 West – Mile 9 to Mile 11 North; 2) Mile 6 North Airport to FM 1015; 3) Bridge St. – Mile 5 North to 18th St.; 4) Border St. – Mile 5 North to 18th St., 5) Mile 5 North – FM 1015 to Mile 7 West in Precinct #1. The work shall be developed in accordance with the Owner and applicable design standards and in a format acceptable to the owner, and reviewing agencies.

TASK I – The **Engineer** shall obtain all existing right-of-way maps, storm sewer, water line, sanitary sewer and public & private utility company plans for locating existing conditions.

TASK II – The **Engineer** shall determine future 20 yr. Traffic Volume projections and recommend a typical roadway section and storm drainage relief for each identified roadway identified in Exhibit "A".

TASK III – The **Engineer** shall coordinate with the City of Weslaco, Hidalgo County Drainage District No. 1 and Hidalgo County Precinct #1 for future upgrades and modifications to water lines, wastewater lines and storm drainage outfall requirements associated with the aforementioned roadways.

TASK IV – The **Engineer** shall develop conceptual layouts at a scale of 1" = 50' horizontal to depict the proposed improvements on an aerial mosaic provided by the **Owner**.

TASK V – The **Engineer** shall compile an Estimated Construction Cost Estimate for each roadway listed in Exhibit "A".

TASK VI – The **Engineer** shall identify various potential funding sources to contact for funding assistance.

ATTACHMENT "C"
Work Schedule

		2006			
ITEM #	TASK DESCRIPTION	August	September	October	November
1	Notice to Proceed				
2	Data Collection Services / ROW / Utilities				
3	Compiling data from Field Crews / Estimates				
4	Final Feasibility Report				

ATTACHMENT "D1"

I. ENGINEERING MANAGEMENT:

	QA/QC Mgr.	Sr. Proj. Mgr.	Sr. Engr.	Proj. Engr.	Sr. Engr. Designer	Engr. Designer	Sr. Engr. Tech.	Cadd Tech.	Clerical	Total # Hours
1) Precinct No. 1, Westlaco and HCDD#1 Interviews	2	2	2	6		0		0		8
2) Data Collection Services/ROW/ Utilities	2	2	4	12	32	40	40			40
3) Compiling data from Field crews/Estimate	1	3	4	18	40	30				12
4) Final Feasibility Report	2	4	4	18	40	32	20	4		12
	7	11	14	54	112	102	60	4		72
Sub-Total	\$1,429,267	\$2,045,451	\$2,382,224	\$8,205,844	\$13,611,361	\$10,664,102	\$6,273,000	\$296,644	\$4,813,922	436
Total Labor	\$1,429,267	\$2,045,451	\$2,382,224	\$8,205,844	\$13,611,361	\$10,664,102	\$6,273,000	\$296,644	\$4,813,922	\$48,721,811

Direct Cost:

Mileage \$0.48/Mi. \$278.19
 Total Direct Cost \$278.19

TOTAL WA #1 Amount

\$278.19
\$50,000.00

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County Precinct No. 1 Commissioner Sylvia Handy as to content and detail of this Work Authorization No. # 2.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: _____

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 _____, 2006.

THE ENGINEER:
TEDSI INFRASTRUCTURE GROUP

THE OWNER:
HIDALGO COUNTY

By: Mark W. Lupher, P.E., RPLS, Project Manager

By: Ramon Garcia, County Judge

ATTEST:

By: Eddy Trevino-Acting County Clerk

LIST OF ATTACHMENTS

ATTACHMENT "D" - Cost Proposal

ATTACHMENT "D"

MILE 6 WEST

Right-of-Way Flagging (Mile 9 North to Mile 11 North)

I. Flagging of West Right-of-Way

3-Man Survey Crew	88 hrs.	x	\$ 175.00 /hr.	=	\$ 15,400.00
Registered RPLS	16 hrs.	x	\$ 168.30 /hr.	=	\$ 2,692.80
Project Manager	10 hrs.	x	\$ 181.50 /hr.	=	\$ 1,815.00
Senior Designer	32 hrs.	x	\$ 115.83 /hr.	=	\$ 3,706.56
					<u>\$ 23,614.36</u>
Mileage	1000 miles	x	\$ 0.48 /mile	=	\$ 480.00
GPS Equipment	15 days	x	\$ 500.00 /day	=	\$ 7,500.00
					<u>\$ 7,980.00</u>

Total \$ 31,594.36

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by Hidalgo County Precinct No. 1 Commissioner Sylvia Handy as to content and detail of this Work Authorization No. # 3.

HIDALGO COUNTY
COMMISSIONER PRECINCT NO. 1:

BY: _____

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 _____, 2006.

THE ENGINEER:
TEDSI INFRASTRUCTURE GROUP

THE OWNER:
HIDALGO COUNTY

By: Mark W. Lupher, P.E., RPLS, Project Manager

By: Ramon Garcia, County Judge

ATTEST:

By: Eddy Trevino-Acting County Clerk

LIST OF ATTACHMENTS

ATTACHMENT "D" - Cost Proposal

ATTACHMENT "D"

TROPICAL FARMS COLONIA Right-of-Way Flagging

FLAGGING OF RIGHT-OF-WAY

3-Man Survey Crew	18 hrs.	x	\$ 175.00 /hr.	=	\$ 3,150.00
Project Manager	4 hrs.	x	\$ 181.50 /hr.	=	\$ 726.00
Senior Designer	6 hrs.	x	\$ 115.83 /hr.	=	\$ 694.98
					<u>\$ 4,570.98</u>

Mileage	500 miles	x	\$ 0.48 /mile	=	\$ 240.00
GPS Equipment	2 days	x	\$ 500.00 /day	=	\$ 1,000.00
					<u>\$ 1,240.00</u>

Total \$ 5,810.98