

HIDALGO COUNTY
Professional Engineering Services
Contract # C-15-423-12-15
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, **SAMES, Inc.**, 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 surveying, plans, specifications, construction phase engineering & construction inspection for Mile 12N (FM1015-2W) Street & Drainage Improvements of Hidalgo County Precinct No.1.

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 \$ **25,108.50**. 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/Part/Section**___ of the Agreement.

PART 4. FUNDING

This Work Authorization No. 2 shall be funded through funding source:

Account No. 5-1347-431-00-121-204-0-721

Requisition Number 288801 (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 project completion as indicated in the "Exhibit C- Preliminary Work Schedule".

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 #1, Commissioner A.C. Cuellar, Jr.** _____ as to content and detail of this **Work Authorization No. 2**__.

HIDALGO COUNTY PRECINCT #1_____.

BY: _____
A.C. Cuellar, Jr., Commissioner

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 _____, 2015.

THE ENGINEER:
SAMES, Inc.

THE OWNER:
HIDALGO COUNTY



By: Samuel D. Maldonado, PE, RPLS

By: Ramon Garcia, County Judge

ATTEST:

By: Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

- EXHIBIT "A" - Service to be Provided by the Owner
- EXHIBIT "B" - Services to be Provided by the Engineer
- EXHIBIT "C" - Work Schedule
- EXHIBIT "D" - Cost Proposal

EXHIBIT "A"

Services to be provided by the OWNER

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

The **OWNER** will provide to the **ENGINEER** the following:

- (1) Authorization to the **ENGINEER** to begin work in accordance with Section 3 of this Agreement.
- (2) Payment for work performed by the **ENGINEER** and accepted by the **OWNER** in accordance with Section 6 of the Agreement.
- (3) 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.
- (4) Provide any available relevant data the **OWNER** may have on file concerning the project.
- (5) 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" of this Agreement.
- (6) Attend and participate in progress meetings as required and as coordinated and conducted by the **ENGINEER**.
- (7) Assist the **ENGINEER** in the preparation of the project mailing list; provide representation, a site and stenographer for all public meetings; additionally:

Public Meetings

- (a) Approve agenda and all exhibits prior to public meeting.
 - (b) Approve date and location of the meeting.
 - (c) Review/approve Public Meeting Report.
- (8) Attend the Preliminary Concept Conference coordinated and conducted by the **ENGINEER** and more particularly identified in Attachment "B" of the

Agreement.

(9) Assist the ENGINEER as required in the coordination with the USACE and the Federal Emergency Management Agency (FEMA) and any other coordinating agency or entity.

(10) Review and approve the Project design criteria.

(11) Review and approve change orders as required and prepared by the ENGINEER.

EXHIBIT "B"
SERVICES TO BE PROVIDED BY ENGINEER

SAM Engineering and Surveying, Inc.



Engineering Firm Reg. # F-10602

Surveying Firm Reg # 101416-00

200 South Cage Boulevard Ste. A, Pharr, Texas 78577 (P.O. Box 3353 Edinburg, TX. 78540)

December 10, 2015

A.C. Cuellar
Precinct No. 1
Hidalgo County Commissioner
1902 Joe Stephens Ave, #303
Weslaco, Texas 78596

Re: Proposal
Mile 12 N Roadway Reconstruction

Mr. Cuellar,

We are pleased to submit this Proposal as requested for Professional Engineering Services required by Hidalgo County for the Roadway Reconstruction along Mile 12 N (2220 LF west from Mile 2).

Attached please find our proposal for Professional Engineering Services to be provided for the development and completion of the project intent.

Also enclosed herein are Exhibits "B" – Scope of Services, "C" - Work Schedule, and "D1" – Fee Schedule and Man-hour Breakdown for your review and consideration.

Should you have any questions or would like to discuss this submittal further, please do not hesitate to contact us.

Respectfully,


Samuel D. Maldonado, PE, RPLS
Principal

EXHIBIT "B"

Scope of Services to be Provide by Engineer

The following provides an outline of the services to be provided by SAMES, Inc. (Engineer) in the development of Project, below identified specifically.

SAMES, Inc. shall ultimately provide Professional Engineering Services for the Hidalgo County Roadway Reconstruction Project (Project) associated with the reconstruction of Mile 12 N commencing 2220 LF west from Mile 2. The services included to be furnished under this proposal are identified in detail below as individual tasks (this list is not intended to be comprehensive):

PROFESSIONAL ENGINEERING SERVICES

- Collection of field data necessary for design,
- Horizontal data collection of identified utilities thru Texas One Call,
- Horizontal & Vertical data collection of identified utilities,
- Collection of property and easement corners identified along the project limits
- Development of civil plans - cross section pavement design, specifications and cost estimates,
- Plan Sheets (11x17in) will be provided with the plan and profile view, standard civil details and TxDOT standards,
- Sign & Seal construction drawings, specification, & estimate,
- Coordination with City of Weslaco/Hidalgo County, if required,
- Coordination with TxDOT for Driveway Permit, if required,
- Coordination with local utility companies, if required,
- Attend all necessary meetings for Plan Design as required,
- Roadway pavement design will be based on the geotechnical report provided by the owner,
- Coordination of procurement and award of project,
- Produce project as-built record drawings
- Ensure contract compliance as per project plans and specifications,
- Review and process of contractor invoices,
- Review and respond to request for information,
- Manage field conflict resolutions,
- Periodic onsite field observations,
- Conduct final walk thru, punch-list, and close-out procedures.

EXHIBIT "C"
WORK SCHEDULE

EXHIBIT "C"

Work Schedule

The following provides an outline of the time schedule anticipated for each task required for the proposed Professional Services to be provide by SAMES, Inc. in the development of the Project.

SURVEYING SERVICES: December 31, 2015

DESIGN SERVICES: January 1, 2016 - February 29, 2016

BID & AWARD: March 1, 2016 – April 1, 2016

CONSTRUCTION: April 15, 2016 – August 31, 2016

EXHIBIT "D"
COST PROPOSAL

EXHIBIT "D"

Hourly Rates

Principal	\$150.00
Registered Professional Land Surveyor	\$125.00
Project Engineer/Professional Engineer	\$125.00
Right of Way Agent	\$75.00
Design Engineer/Graduate Engineer	\$70.00
CADD Manager/Tech III	\$55.00
GIS Tech/ CADD Tech II	\$50.00
CADD Tech I	\$40.00
Resident Project Representative	\$50.00
Clerical	\$25.00
GPS Crew	\$125.00
2-Man Survey Crew	\$80.00
Party Chief	\$40.00

EXHIBIT "D1"

Fee Schedule and Estimated Man-hour Breakdown

The following provides an outline of the anticipated fee schedule that will be followed as our services are completed.

Service Description	Fee Schedule Description	Fee
Engineering Design		\$ 25,108.50
	30% Submittal	\$7,532.55
	60% Submittal	\$7,532.55
	100% Submittal	\$7,532.55
	At Contract Award	\$2,510.85

Total Lump Sum Amount - \$25,108.50

EXHIBIT D-1
ESTIMATED PROJECT FEE SCHEDULE AND MAN-HOUR BREAKDOWN
HIDALGO COUNTY MILE 12 N
2220 LF WEST FROM MILE 2

ORIGINAL	PROPOSED	INCREASE
2200	2200	0.00%
1	1	0.00%
\$25,108.50	\$25,108.50	0.00%

FEE INCREASE JUSTIFICATION (CHECK BOX)
 Project Limits Changed - Original limits are from A to B and New limits are from A to C
 New Location Added - xyz is added as a new improvement location
 Improvement Type Changed: Resurfacing has changed to Reconstruction
 Acquisition Services Added:

TASK DESCRIPTIONS	Scale	No. of Sheets	Principal	Project Manager	Senior Engineer	Project Engineer (PE)	Design Engineer	CADD Manager	CADDIGIS Tech	Survey Manager	Survey Crew	Project Admin	Totals
PROJECT CONTROLS													
Develop Project Scope			1.5			2							3.5
Internal Review						2							2
Public Agency Coordination/Permitting (including County, City, TxDOT, TCEQ, HCID 1)						1							1
Cost Estimate Preparation per Submittal (30%, 60%, 100%)						3							3
Monthly Invoicing						2						9.04	11.04
QUALITY CONTROL													
QA/QC Reviews 30% Submittal						2	2						4
QA/QC Reviews 60% Submittal						2	2						4
QA/QC Reviews 100% Submittal						2	2						4
Milestone Review Meetings with PMC (30%, 60%, Final)						2	2						4
ENGINEERING DESIGN													
Data Collection / Field Survey						4	2	8	8				20
Process Field Data						4	2	8	8				20
Review of geotechnical report						0.5	0.5						1
Develop Project Plans 30%						0.5	8	30	30				68.5
Develop Project Plans 60%						0.5	14	30	40				84.5
Develop Project Plans 100%						0.5	12	24	24				60.5
Address Review Comments						8	8	8	8				24
Assemble Front End						0.5	2	2	2				2.5
Develop and Assemble Technical Specifications						0.5	2	2	2				2.5
Prepare Bid Advertisement/Coordinate with Newspaper/Contact potential Bidders						0.5	2	2	2				2.5
Addressing Bid Questions						0.5	2	2	2				2.5
Prepare and Issue Addenda						0.5	2	2	2				2.5
Conduct Bid opening / Check and Tabulate Bids						0.5	2	2	2				2.5
Council Meeting for Contract Awards			1			1	1	1	1				3
Prepare Construction Award Documents						0.5	4	4	4				4.5
Pre-Construction Conference						1	1	1	1				2
Periodic Site Observations						1	8	8	8				9
Contractor Submittal Reviews						1	4	4	4				5
Contractor Pay/Request Reviews						1	4	4	4				5
PROJECT CLOSE-OUT SERVICES													
Construction Closeout						1	15	10	10				0
Submit As-Built Plans						1	4	118	128				16
SUBTOTAL		0	2.5	0	0	30.5	111.5	118	128	0	0	9.04	374.54
Loaded Hourly Rates						\$ 125.00	\$ 70.00	\$ 55.00	\$ 50.00			\$ 25.00	
Direct Labor						\$ 3,812.50	\$ 7,805.00	\$ 6,490.00	\$ 6,400.00			\$ 226.00	\$ 25,108.50
Expenses (Parking, Mileage, Postal, Printing, Copying and Misc Direct Expenses)													
TOTAL ESTIMATE		0	\$ 375.00	\$ -	\$ -	\$ 3,812.50	\$ 7,805.00	\$ 6,490.00	\$ 6,400.00	\$ -	\$ -	\$ 226.00	\$ 25,108.50