

HIDALGO COUNTY
Professional Engineering Services
Contract # C-08-477-12-09
Work Authorization Form

WORK AUTHORIZATION No. 6

THIS WORK AUTHORIZATION No. 6 is made pursuant to the terms and conditions of the Service Contract made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **Quintanilla, Headley and Associates, Inc.**, professional engineer of Edinburg, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization No.6 is for the **Engineer** to provide design for: **San Carlos Drainage Improvements: North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3)Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road**

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

PART 2. ESTIMATED COST

The estimated cost for services under this **Work Authorization No. 6** is \$ **170,100.00**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "E"**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization No.6 shall be made in accordance with **Article/Part/Section 6** of the Agreement.

PART 4. FUNDING

This Work Authorization No.6 shall be funded through funding source:

Account No. **0-1342-431-00-124-053-0-733, 0-1342-431-00-124-051-0-733 & 0-1342-431-00-124-049-0-733**

Requisition Number _____ **(MUST BE INCLUDED AFTER CC APPROVAL)**

PART 5. PERIOD OF SERVICE

This Work Authorization No.6 shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work.

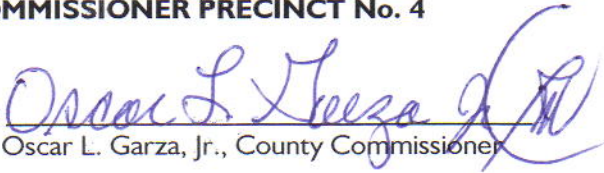
PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Work Authorization No.6 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. 4, Commissioner Oscar L. Garza, Jr.**, as to content and detail of this **Work Authorization No. 6.**

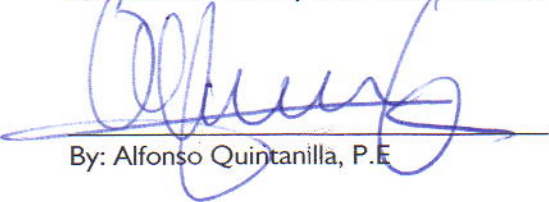
**HIDALGO COUNTY
COMMISSIONER PRECINCT No. 4**

BY: 
Oscar L. Garza, Jr., County Commissioner

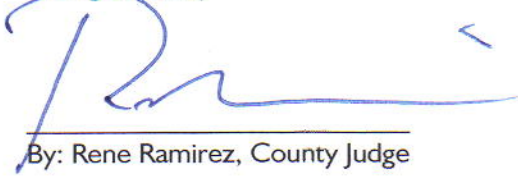
PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization No.6 is hereby accepted, approved by Hidalgo County Commissioners' Court on 10/06/10 as indicated below and effective as of 6th day of October, 2010.

THE ENGINEER:
Quintanilla, Headley and Associates, Inc.


By: Alfonso Quintanilla, P.E.

THE OWNER:
Hidalgo County


By: Rene Ramirez, County Judge

ATTEST:


By: Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

- ATTACHMENT "A"- Service to be provided by the Engineer
- ATTACHMENT "B"- Service to be provided by the Owner
- ATTACHMENT "C"- Work Schedule
- ATTACHMENT "D"- Engineering Hourly Rates
- ATTACHMENT "E"- Cost Proposal (Fee Breakdown Schedule)

EXHIBIT "A"

Scope of services to be provided by the Engineer

**Project: Hidalgo County Precinct No. 4
San Carlos Drainage Improvements
Contract No. C-08-477-12-09**

Work Authorization No. 6

San Carlos Drainage Improvements:

North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3) Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road

1. Topographic surveying
2. Survey parcels and Metes & Bounds Descriptions
3. Engineering design
4. Preparation of plans.
5. Preparation of technical specifications.
6. Construction staking and prepare cut sheets.

EXHIBIT “B”

Scope of services to be provided by the Owner

**Project: Hidalgo County Precinct No. 4
San Carlos Drainage Improvements
Contract No. C-08-477-12-09**

Work Authorization No. 6

San Carlos Drainage Improvements:

North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3) Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road

GENERAL

The Owner will provide the following:

- (1) Authorization to begin work.
- (2) Payment for work performed by the **Engineer**.
- (3) Provide any available relevant data on file concerning the project.

EXHIBIT “C”

Work Schedule

**Project: Hidalgo County Precinct No. 4
San Carlos Drainage Improvements
Contract No. C-08-477-12-09**

Work Authorization No. 6

San Carlos Drainage Improvements:

North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3) Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road

The Engineer shall provide the deliverables for this project 60 days after the written notice to proceed.

EXHIBIT “D”

Engineer’s Hourly Rates

**Project: Hidalgo County Precinct No. 4
San Carlos Drainage Improvements
Contract No. C-08-477-12-09**

Work Authorization No. 6

San Carlos Drainage Improvements:

North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3) Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road

1. Licensed Professional Engineer	\$ 150.00
2. Registered Professional Land Surveyor	\$ 150.00
3. Three Man Survey Crew	\$ 125.00
4. Computer Technician	\$ 85.00
5. Administrative	\$ 60.00
6. Research	\$ 50.00

EXHIBIT "E"

Cost Proposal (Fee Breakdown)

**Project: Hidalgo County Precinct No. 4
San Carlos Drainage Improvements
Contract No. C-08-477-12-09**

Work Authorization No. 6

San Carlos Drainage Improvements:

North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3) Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road

1.	Topographic survey, Survey Parcels and Engineering Design	-\$ 144,600.00
2.	Construction Staking	-\$ 25,500.00
3.	Engineering Fee	-\$ 170,100.00

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

REGISTRATION NUMBER F-1513
CONSULTING ENGINEERS · LAND SURVEYORS
124 EAST STUBBS STREET, EDINBURG, TEXAS 78539
PHONE: (956) 381-6480 FAX: (956) 381-0527

Construction Cost Estimate: Date Prepared: September 8, 2010 Sheet 1 of 1

Project: North Branch Drain Ditch East Extension

Location: San Carlos, Texas

Owner: Hidalgo County Pct. No. 4

Type of Estimate: Engineer's Estimate

Estimator: Alfonso Quintanilla, P.E., R.P.L.S.

BASIS OF ESTIMATE

No Design Complete
 Preliminary Design
 Final Design

Item	Description	Unit	Quantity	Unit Cost	Total
I. Drainage Improvements					
	Ditch Excavation	CY	104,900	3.50	367,150.00
	Haul Off Excess Excavated Dirt	CY	94,900	3.00	284,700.00
II. Road Crossing					
	24" R.C.P.	LF	120	35.00	4,200.00
	54" R.C.P.	LF	220	90.00	19,800.00
	Gravel Bedding	CY	260	30.00	7,800.00
	Sand Backfill & Compaction	CY	380	28.00	10,640.00
	Concrete Headwall (60 Yards of Concrete Rebar, & Forms)	EA	2	40,000.00	80,000.00
	10" Caliche Base	SY	300	15.00	4,500.00
	2" Hot Mix	SY	300	12.00	3,600.00
	Water Line Adjustments	EA	1	7,000.00	7,000.00
	Irrigation Line Adjustments	EA	1	25,000.00	25,000.00
	24" Headwall	LF	2	15,000.00	30,000.00
				Subtotal:	844,390.00
	Engineering Fee (Includes Survey Parcels)				92,300.00
	Geotechnical Fee				8,000.00
	Right of Way Acquisition (Estimated)	AC	11.40	10,000.00	114,000.00
				Total:	1,058,690.00

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

REGISTRATION NUMBER F-1513
 CONSULTING ENGINEERS · LAND SURVEYORS
 124 EAST STUBBS STREET, EDINBURG, TEXAS 78539
 PHONE: (956) 381-6480 FAX: (956) 381-0527

Construction Cost Estimate: Date Prepared: September 8, 2010 Sheet 1 of 1

Project: North Branch Drain Ditch West Extension

Location: Monte Cristo Road & Kenyon Road

Owner: Hidalgo County Pct. No. 4

Type of Estimate: Engineer's Estimate

Estimator: Alfonso Quintanilla, P.E., R.P.L.S.

BASIS OF ESTIMATE

No Design Complete
 Preliminary Design
 Final Design

Item	Description	Unit	Quantity	Unit Cost	Total
I. Drainage Improvements (Open Ditch)					
	Ditch Excavation	CY	34,300	3.50	120,050.00
	Haul Off Excess Excavated Dirt	CY	44,500	3.00	133,500.00
	Remove Existing Drain Pipe	LF	1,400	12.00	16,800.00
				Subtotal:	270,350.00
	Engineering & (Includes Survey Parcels)				25,300.00
	Right of Way Acquisition (Estimated)	AC	4.80	30,000.00	144,000.00
				Total:	439,650.00

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

REGISTRATION NUMBER F-1513
 CONSULTING ENGINEERS · LAND SURVEYORS
 124 EAST STUBBS STREET, EDINBURG, TEXAS 78539
 PHONE: (956) 381-6480 FAX: (956) 381-0527

Construction Cost Estimate: Date Prepared: September 29, 2010 Sheet 1 of 1

Project: San Carlos Drainage Improvements - Schunior Drain

Location: San Carlos, Texas

Owner: Hidalgo County Pct. No. 4

Type of Estimate: Engineer's Estimate

Estimator: Alfonso Quintanilla, P.E., R.P.L.S.

BASIS OF ESTIMATE

No Design Complete
 Preliminary Design
 Final Design

Item	Description	Unit	Quantity	Unit Cost	Total
I. TEX-MEX ROAD WEST OF 83RD STREET					
	18" R.C.P.	EA	160	28.00	4,480.00
	54" Storm Pipe	LF	320	90.00	28,800.00
	Gravel Bedding	CY	220	30.00	6,600.00
	Sand Backfill & Compaction	CY	400	28.00	11,200.00
	Concrete Headwall	EA	2	40,000.00	80,000.00
	10" Caliche Base	SY	350	15.00	5,250.00
	2" Hot Mix	SY	350	12.00	4,200.00
	Adjust Waterline	LS	1	5,000.00	5,000.00
	Remove Exist 36" R.C.P.	LF	320	12.00	3,840.00
	Type "CC" Inlet	EA	2	2,500.00	5,000.00
			Subtotal: \$		154,370.00
	ENGINEERING FEE			\$	15,400.00
			TOTAL: \$		169,770.00

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

REGISTRATION NUMBER F-1513
CONSULTING ENGINEERS · LAND SURVEYORS
124 EAST STUBBS STREET, EDINBURG, TEXAS 78539
PHONE: (956) 381-6480 FAX: (956) 381-0527

Construction Cost Estimate: Date Prepared: September 29, 2010 Sheet 1 of 1

Project: San Carlos Drainage Improvements - Schunior Drain

Location: San Carlos, Texas

Owner: Hidalgo County Pct. No. 4

Type of Estimate: Engineer's Estimate

Estimator: Alfonso Quintanilla, P.E., R.P.L.S.

BASIS OF ESTIMATE

No Design Complete
 Preliminary Design
 Final Design

Item	Description	Unit	Quantity	Unit Cost	Total
I. TEX-MEX ROAD & 83RD STREET CROSSING					
	18" R.C.P. Storm Pipe	EA	240	28.00	6,720.00
	54" Storm Pipe	LF	160	90.00	14,400.00
	Gravel Bedding	CY	110	30.00	3,300.00
	Sand Backfill & Compaction	CY	200	28.00	5,600.00
	Concrete Headwall	EA	2	40,000.00	80,000.00
	10" Caliche Base	SY	350	15.00	5,250.00
	2" Hot Mix	SY	350	12.00	4,200.00
	Waterline Adjustment	LS	1	5,000.00	5,000.00
	Backfill & Compact Exist Drain Ditch	CY	600	6.00	3,600.00
	Remove Exist 36" R.C.P.	LF	80	12.00	960.00
	Type "CC" Inlet	EA	2	2,500.00	5,000.00

Subtotal: \$ 134,030.00

ENGINEERING FEE

\$ 13,400.00

TOTAL: \$ 147,430.00

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

REGISTRATION NUMBER F-1513
CONSULTING ENGINEERS · LAND SURVEYORS
124 EAST STUBBS STREET, EDINBURG, TEXAS 78539
PHONE: (956) 381-6480 FAX: (956) 381-0527

Construction Cost Estimate: Date Prepared: September 29, 2010 Sheet 1 of 1

Project: San Carlos Drainage Improvements - Schunior Drain

Location: San Carlos, Texas

Owner: Hidalgo County Pct. No. 4

Type of Estimate: Engineer's Estimate

Estimator: Alfonso Quintanilla, P.E., R.P.L.S.

BASIS OF ESTIMATE

No Design Complete
 Preliminary Design
 Final Design

Item	Description	Unit	Quantity	Unit Cost	Total
I. TEX-MEX ROAD AT SCHOOL ENTRANCE					
	18" R.C.P.	EA	200	28.00	5,600.00
	54" Storm Pipe	LF	200	90.00	18,000.00
	Gravel Bedding	CY	140	30.00	4,200.00
	Sand Backfill & Compaction	CY	250	28.00	7,000.00
	Concrete Headwall	EA	2	40,000.00	80,000.00
	10" Caliche Base	SY	280	15.00	4,200.00
	2" Hot Mix	SY	280	12.00	3,360.00
	Backfill & Compact Exist Drain Ditch	CY	600	6.00	3,600.00
	Remove Exist 36" R.C.P.	LF	170	12.00	2,040.00
				Subtotal:	\$ 128,000.00
	ENGINEERING FEE				\$ 12,800.00
				TOTAL:	\$ 140,800.00

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

REGISTRATION NUMBER F-1513
CONSULTING ENGINEERS · LAND SURVEYORS
124 EAST STUBBS STREET, EDINBURG, TEXAS 78539
PHONE: (956) 381-6480 FAX: (956) 381-0527

Construction Cost Estimate: Date Prepared: September 29, 2010 Sheet 1 of 1

Project: San Carlos Drainage Improvements - Tex-Mex Drain West

BASIS OF ESTIMATE

Location: San Carlos, Texas

Owner: Hidalgo County Pct. No. 4

No Design Complete
 Preliminary Design
 Final Design

Type of Estimate: Engineer's Estimate

Estimator: Alfonso Quintanilla, P.E., R.P.L.S.

Item	Description	Unit	Quantity	Unit Cost	Total
I. FROM TEX-MEX ROAD TO CURVE ROAD					
	18" R.C.P.	LF	160	28.00	4,480.00
	36" R.C.P.	LF	220	40.00	8,800.00
	48" R.C.P.	LF	80	70.00	5,600.00
	Gravel Bedding	CY	140	30.00	4,200.00
	Sand Backfill & Compaction	CY	250	28.00	7,000.00
	Concrete Headwall	EA	3	15,000.00	45,000.00
	10" Caliche Base	SY	350	15.00	5,250.00
	2" Hot Mix	SY	350	12.00	4,200.00
	Adjust Exist Waterline	LS	1	7,000.00	7,000.00
	Backfill & Compact Exist Drain Ditch	CY	1,000	6.00	6,000.00
	Remove Exist R.C.P.	LF	170	12.00	2,040.00
	Type "CC" Inlets	EA	4	2,500.00	10,000.00
				Subtotal:	\$ 109,570.00
	ENGINEERING FEE				\$ 10,900.00
				TOTAL:	\$ 120,470.00

October 26, 2010

contractor D. Wilson Construction Co., in connection with the "Construction of New Pct.2 Administration Office & Other County Offices", C-09-037C-11-17.

approved 4. AI-23619 Requesting approval of Change Order No. 2 increase in of 18 calendar day with Total Commitment LLC(contractd vendor for "North Tower Road Crossing Drainage Improvement Project") reflecting weather days, due to recent rains, ground conditions too wet to conduct work within the project area, with authority for County Judge to execute document.

C. Pct. 4

1. AI-23556 Acceptance and approval of Work Authoriztion #6 with a proposed fee of \$ 170,100.00 with Quintanilla, Headley & Associates, Inc. for "San Carlos Drainage Improvement Projects":

approved a. North Branch Drain Extension:
1. from North San Carlos Estates to 2,000.0 feet East of Valverde Road;
2. from Kenyon Road East 1,400.0 feet;

approved b. Schunior Drain Crossings:
1. Tex-Mex Road West of 83rd Street;
2. Tex-Mex Road & 83rd Street;
3. Tex-Mex Road East of 83rd Street at School Entrance;

approved c. Tex-Mex Drain West Crossings:
1. North of Curry Road;
2. Curry Road, 3) South of Curry Road;
all located within Hidaigo County Precinct No. 4, through Contract #C-08-477-12-09.

D. Co. Wide

nothing to report 1. HIDALGO COUNTY RE: REAL ESTATE ACQUISITIONS- Requesting authority to obtain and approval of (when applicable), including, but not limited to, the following items necessary in anticipation of real property/estate acquisition(s): fair market value appraisals, inspections, surveys, all phases-environmental assessments, title reports or title policies services, commercial contracts (improved property) or option contracts with authority for County Auditor to issue required earnest money payment(s) or option payment(s) and County Judge or Presiding Officer to execute necessary/required document(s)

28. Adjourn 10:45

AI-23556

45.G.O.

Pct4-WA#6-QHA-C-08-477-12-09 (San Carlos Drainage Improvements Project)

CC REGULAR

Date: 10/26/2010
 Submitted By: Letty Saenz, PURCHASING DEPT.
 Submitted For: Marty Salazar
 Department: PURCHASING DEPT.
 Agenda Category: Purchasing Department

Sub-category: Prct. 4

Information

CAPTION

Requesting acceptance, and approval of WORK AUTHORIZATION #6 with a proposed fee of \$ 170,100.00 with QUINTANILLA, HEADLEY & ASSOCIATES, INC. for "SAN CARLOS DRAINAGE IMPROVEMENTS PROJECT" (North Branch Drain Extension – 1) From North San Carlos Estates to 2,000.0 Feet East of Valverde Road, 2) From Kenyon Road East 1,400.0 Feet; Schunior Drain Crossings – 1) Tex-Mex Road West of 83rd Street, 2) Tex-Mex Road & 83rd Street, 3)Tex-Mex Road East of 83rd Street at School Entrance; Tex-Mex Drain West Crossings – 1) North of Curry Road, 2) Curry Road, 3) South of Curry Road) within Hidalgo County Precinct No. 4, in connection to Contract #C-08-477-12-09.

BACKGROUND

WA#6-QHA-C-08-477-12-09
 Pct 4- Memo Request

Fiscal Impact

FISCAL YEAR: 2010 ACCT. #: 0-1342-431-00-124-053-0-733
 FUNDS AVAILABLE Y/N?: MATCHING FUNDS Y/N?:
 BUDGETARY IMPACT:

FISCAL YEAR: 2010 ACCT. #: 0-1342-431-00-124-051-0-733
 FUNDS AVAILABLE Y/N?: MATCHING FUNDS Y/N?:
 BUDGETARY IMPACT:

FISCAL YEAR: 2010 ACCT. #: 0-1342-431-00-124-049-0-733
 FUNDS AVAILABLE Y/N?: MATCHING FUNDS Y/N?:
 BUDGETARY IMPACT:

Attachments

Link: [WA#6-QHA-C-08-477-12-09](#)
 Link: [Memo-Pct 4](#)

Form Routing/Status

Route Seq Inbox	Approved By Date	Status
(Originator)	Letty Saenz 10/19/2010 04:02 PM	CREATED