

HCRNA

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

PLANNING COMMITTEE MEETING

WEDNESDAY, SEPTEMBER 18, 2013 4:00 PM

PHARR CITY HALL, COUNCIL CHAMBERS

118 SOUTH CAGE BLVD., 2ND FLOOR

PHARR, TEXAS 78577

FLOR E. KOLL

PROGRAM ADMINISTRATOR

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

NOTICE OF AND AGENDA FOR A PLANNING COMMITTEE MEETING TO BE HELD BY THE BOARD OF DIRECTORS

DATE:

WEDNESDAY, SEPTEMBER 18, 2013

TIME:

4:00 PM

PLACE:

PHARR CITY HALL, 3[™] FLOOR FIRE DEPT TRAINING ROOM

118 S. CAGE BOULEVARD PHARR, TEXAS 78577

PRESIDING: RICARDO PEREZ, CHAIRMAN-PLANNING COMMITTEE

CALL TO ORDER

AGENDA

- Recommendation on Supplemental No. 5 to Work Authorization No. 6 of Professional Service Agreement with Dannenbaum Engineering for Non-destructive Utility Locations.
- Recommendation on Work Authorization No. 2 to Professional Service Agreement with DOS Land Surveying for Right of Way Mapping and Parcel Tract Platting for SH 365 from FM 396 (Anzalduas Highway) to SH 336 (10th Street).
- Recommendation on Work Authorization No. 2 to Professional Service Agreement with Quintanilla, Headley & Associates for Right of Way Mapping and Parcel Tract Platting for SH 365 from SH 336 (10th Street) to US 281/Military Highway.

ADJOURNMENT

CERTIFICATION

I, the Undersigned Authority, do hereby certify that the attached agenda of the Hidalgo County Regional Mobility Authority Board of Director's Planning Committee is a true and correct copy and that I posted a true and correct copy of said notice on the Hidalgo County Regional Mobility Web Page (www.hcrma.net) and on the bulletin board in the Hidalgo County Court House (100 North Closner, Edinburg, Texas 78539), a place convenient and readily accessible to the general public at all times, and said Notice was posted on the 13th day of September, 2013 at 5:00 pm and will remain so posted continuously for at least 72 hours preceding the scheduled time of said meeting in accordance with Chapter 551 of the Texas Government Code.

Flor E. Koll Program Administrator

Note: If you require special accommodations under the Americans with Disabilities Act, please contact Flor E. Koll at 956-402-6742 at least 24 hours before the meeting.



Memorandum

To:

Ricardo Perez, Chairman - Planning Committee

From:

Pilar Rodriguez, PE, Executive Director

Date:

September 12, 2013

Re:

Supplemental No. 5 to Dannenbaum Engineering Work Authorization Number

6

Background

At the October 27, 2011, regular meeting, the Board of Directors awarded a professional service agreement for general engineering and program management services to Dannenbaum Engineering for a maximum payable amount of \$5,000,000. Subsequently, the Board approved Work Authorizations No. 1, 3, 4, 5, 6 and Supplemental 1, 2, 3 & 4 to Work Authorization No. 6 in the amounts of \$909,960.63, \$57,750.00, \$891,814.61, \$832,369.93, \$689,834.33, \$81,309.04, \$149,120.30, \$346,720.31 and \$1,437,465.41 respectively as discussed below.

Work Authorization No. 1 - was to review prior engineering, surveying, environmental and permitting work provided to the Hidalgo County Regional Mobility Authority (HCRMA).

Work Authorization No. 2 - was cancelled by the HCRMA Board.

Work Authorization No. 3 - was to provide title reports for the SH 365 Project.

Work Authorization No. 4 - was to update the new Executive Director, oversee the update of the Traffic & Revenue study, oversee environmental clearance/preliminary design of SH 365 and oversee various other tasks related to SH 365 and IBTC Projects.

Work Authorizations No. 5 & 6 - are to continue Program Management for SH 365 and IBTC Projects. Supplemental No. 1 to Work Authorization No. 6 - was to provide a sketch level Traffic & Revenue Study for overweight trucks at the Pharr International Bridge and SH 365.

<u>Supplemental No. 2 to Work Authorization No. 6</u> - was to provide a Value Engineering Study for the SH 365 Project. <u>Supplemental No. 3 to Work Authorization No. 6</u> - was to provide a low level aerial flight and topographic survey for the IBTC Project.

<u>Supplemental No. 4 to Work Authorization No. 6</u> – was to provide updated TRZ parcels, implementation of overweight truck corridor, manage Engineers/Surveyors/Geotech for IBTC, local environment clearance of IBTC, negotiate final PS&E for SH 365, implement ProjectWise, evaluate Toll Integrator, manage Appraisers/Title Companies/ROW Agents, implement GIS for ROW Acquisition and perform value engineering for IBTC.

Goal

With the programed negotiation for the final PS&E for the SH 365 Project, vertical information for all compensable and non-compensable utilities will need to be gathered. The surveying contracts for the project (DOS Land Surveying and Quintanilla, Headley & Associates) only included horizontal locations of as part of the utility research task. In order for the Engineers of Record to perform final design, vertical (i.e. depth) locations will need to be determined. Staff is proposing to use a non-destructive method that is acceptable to all the utility agencies and/or companies. The method employs the use of water jetting with a vacuum applied to expose utilities with minimal disturbance of the cover (i.e. dirt, asphalt, concrete, etc.). A 2 inch PVC sleeve is placed over the utility to allow for the determination of the depth and the reconfirmation if necessary

DANNENBAUM ENGINEERING CORPORATION
Program Management Services for the NCRMA Roadway System

SA No. 5 to WA No. 6 Schedule Duration: (September 1, 2013 to December 31, 2013) 4.0 Months EXHBIT 'D-Additional Pee SchedulerBudget for SA NO. 6 TO WA NO. 6 flidalgo County Regional Blobility Authority (NCRBIA) Program Etragement Consultant Supplemental No. 6 to Work Authorization No. 6

Oversight of Utility Exposures and Potholing for SH 355 from FM 1016/Convay Ave. to US 281/Milltory Highway (not including from 9.45 miles East of Spur 600 to FM 2657/Stewart Rd. along US 281/Milltory Highway)

PROGRAM MANAGEMENT SERVICES DESCRIPTION	Principal Program Manager	QAQC Officer/ Independent Engineer Officer	Deputy Progress Storager (Englaser VI)	Senior Engineer (Engineer V)	Project Engineer (Engineer (v))	Chill Engineer (Engineer III)	Social Continue	Eng. Tech/CA00	Administrative Assistant	Total Labor Nrs.	Reserva	Total Cost
Oversight of Utility Exposures can Hathering for SH 365 from Hill 1910/Consey Aza, to US 2012/milesy Hagness (not behaling from 6.45 willes Einst of Sport 400 to File 2557/Slovest Rd. along US 2014/Milesy Hagness)												
1. Coordination with SUE Poulder, Utility Companies, and Surveyors						,	•		1 3	16		6 1,678.0°
2. Alachaw of Utility Engineera and Politoting Class	2	10		1		18	16		12	56		8 7,925.02
												TV 192 (7)
	国际中国	10		•		D	24		15	72		8 9,694.6
LABOR MANHOURS TOTAL	2	10			•	20	22	- 0	15	n	CHECK (MICHIE	
LABOR RATE PER HOUR	\$ 214.50		8 227.70	8 176.00	\$ 157.87	\$ £30.55					72	
TOTAL DIFECT LABOR COSTS	\$ 629 t8	8 2,024.90	<u> </u>	8	8 .	8 3,002.65	\$ 2,137.30	1	\$ 910.80	8 9,604,83		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	6,574	30.45%	0.00%	0.00%	0.09%	31,26%	22.25%	0.00%	9.40%	100.00%	CHECK (LABOR):	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MARINGLISS)	2.70%	13,09%	9.00%	0.00%	0.00%	21.00%	30.50%	0.00%	20.00%	100.00%	S SSSAED	
PERCENT LABOR UTILIZATION PER MONTH @ 170 MIRRING (LABOR HOURS 4.0 MO/ 170 MIRRING)	0.29%	1.47%	0.00%	0.00%	0.00%	3,30%	120%	0.00%	2.21%			
TOTAL DREET LABOR COST	CHA MENTAL MANAGEMENT	OWNERS OF	PER DECEMBER			(William Street Street Street			NAME OF TAXABLE PARTY.	Market State of the State of th		Section of the sectio
DRECT EXPENSES	Rate	Unit	Amount	Yotal				and the same of the same of				The second secon
Lodging / Hotel (\$100.00 / DAY)	\$ 100.00	Each	9	8 -								
Mests (830 00 / DAY)	\$ 30.00	Each	0	8							 	
Pertal Car	\$ 90.00	Each	0	8 .				45.1			1	
Air Travel	\$ 500.00	Each	0	8 .							•	
Parting	8 14.00	Each	0	\$							8	
Contraight Madi - Nother stee	\$ 50.00	Each ·	0	8							-	
Country Burelous	\$. 50.00	Each	. 0	8 .							8	
Photocopies G/CF (3.5 % 11)	\$ 0,10	Eath	0	8 -							8	
Photocopies BTW (11 X 17)	\$ 0.20	Each	0	8 .							8	
Photocopian Culor (8.5 X 11)	\$ 0.70	Eath	0	8 .							\$.	
Photocopies Color (11 X 17)	\$ 1.25	Each	0	8 .							8 .	
Cater Graphics on Foam Buard	\$ 5.00	Earth	0	8 -							5	
Newspaper Advertisement	\$ 1,000.00	Each -		8 -							8	
Court Reporter (Public Headings & Transcription)	\$ 199.00	Earth		8 .							\$.	
Translatur (English to Spanish or Sign Language)	8 150.00	Each		8 -							1	
Public Insulvement Facility Rental	\$ 500.00	Each		8 -							9 .	
Public Outreach Letton - (6 Mortilis - July, Aug., Sept., Out., Nov., Dec. 2013))	\$ 15,000 00	Munth	- 0								1 .	
Accounting Support Services	\$ 100.00	Each									8	
17 / Bapport Servicon (Industria Sins on ProjectiViae Implementation/Data Organization @ 60 hrs)	8 80.00	Each	0								8 -	
Management Support Services	8 80.00	Each	0								8	
Community Addition Support TOTAL DIRECT EXSCRISES	\$ 90.00	Each	0	A STATE OF THE REAL PROPERTY.						-	5 -	
		W-101510-1000	A SHARE STATE OF				ACTIVITY OF THE PARTY OF		A SAME			
PROJECT MANAGEMENT SERVICES (SUBCONSULT ANTIS) (AD MONTHS)												
NODS Subsurface Utility Engineering, Inc.	Non-Compensable								100		\$ 43,390,00	
RCOS Subserface Utility Engineering, Inc.	Compensable										\$ 44,000,00	
	A A STATE OF THE		MILITER OF STREET					TOTAL SPE	CIAL SERVICES FEE	SUBCONSULTANTS:	\$ 107,450,00	
GRAND TOTAL			MAN TO THE REAL PROPERTY.							Alternative College	ACCOUNT OF	8 117,054.83

43

EXHIBIT 'D-Modified Fee Schedule Budget for SA NO. 5 TO WA NO. 6

Hidalgo County Regional Mobility Authority (HCRMA) Program Management Consultant Supplemental No. 5 to Work Authorization No. 6

Oversight of Utility Exposures and Potholing for SH 365 from FM 1016/Conway Ave. to US 281/Military Highway (not including from 0.45 miles East of Spur 600 to FM 2557/Stewart Rd. along US 281/Military Highway)

RODS SUE PROPOSAL

Dannenbaum - HCRMA SH 365

July 25, 2013

			F (9)	7
Utility Location (3)				
	Rate	Unit	Quantity	Cost
Utility Locating Services(1)				
Depth = 0.00 Feet to 4.99 Feet	\$740.00	Each	12	\$ 8,880.00
Depth = 5.00 Feet to 9.99 Feet	\$940.00	Each	14	\$ 13,160.00
Depth = 10.00 Feet to 14.99 Feet	\$1,320.00	Each	9	\$ 11,880.00
Depth =15.00 Feet to 19.99 Feet	\$2,190.00	Each	2	\$ 4,380.00
Pavement Coring	\$100.00	Each	4	\$ 400.00
			37	
Mobilization/Demobilization ⁽²⁾	×			
Vacuum Truck	\$2,700.00	Trip	1	\$ 2,700.00
Reimbursables				
Traffic Control ⁽⁴⁾	\$500.00	Day	1	\$ 500.00
Per Diem (incl lodging and meals)	\$135.00		16	\$ 2,160.00
			Total	\$ 44,060.00

Notes:

- 1. Utility Locating rates are inclusive of any/all associated costs for coordination, designation of utility, minimal traffic control, and excavation. 2" PVC will be left directly above found utility for subsequent survey (to be done by others).
- 2. Per Attachment A: 37 permitted utility locations (of those 4 in roads, may need coring). Based on client direction, non-compensable utilities may be completed at later date, requiring a 2nd mobilization.
- 3. Utilities located will be invoiced based on depth excavated. Proposed total is not-to-exceed amount for completion of 93 locations.
- 4. Rental of traffic control devices will be billed at cost, if required due to location of excavation.



Memorandum

To:

Ricardo Perez, Chairman - Planning Committee

From:

Pilar Rodriguez, PE, Executive Director

Date:

September 12, 2013

Re:

Recommendation on Work Authorization No. 2 with DOS Land Surveying for

ROW Mapping of SH365 from Anzalduas Highway to 10th Street

Background

On October 27, 2011, the Hidalgo County Regional Authority (HCRMA) awarded a professional surveying service agreement to DOS Land Surveying to perform surveying work for the SH 365 Project from FM 1016 to SH 336 in the maximum payable amount of \$603,263.00.

On November 15, 2011, the HCRMA Board of Directors approved Supplemental Number 1 to the professional surveying service agreement with Consultant in the amount \$50,000.00 for a revised maximum payable amount of \$653,263.00 and also approved Work Authorization Number 1 and Work Authorization Number 2 with Consultant in the amounts of \$603,263.00 and \$50,000.00 respectively.

On November 21, 2012, the HCRMA Board of Directors Amended and Restated the professional surveying service agreement with the DOS Land Surveying to revise the Scope of Service, Work Authorization requirement and DBE/HUB reporting requirement. The maximum payable amount remained at \$653,263.00 and Work Authorizations Numbers 1 and 2 were consolidated into Work Authorization Number 1, with the aggregate amount remaining at \$653,263.00.

On March 20, 2013, the HCRMA Board of Directors approved Supplemental Number 1 to the Amended and Restate agreement with the DOS Land Surveying to revise the Scope of Service and Work Authorization Number 1 for SH 365 from FM 1016 (Conway Avenue) to SH 336 (10th Street) for an increase in the amount of \$121,494.17, for a revised maximum payable amount of \$774,772.17. Work Authorization Number 1 was revised to the amount of \$418,108.39.

<u>Goal</u>

With the negotiation of final PS&E, environmental clearance and the Vehicle Registration Fee Bond issuance for the SH 365 Project, it will be necessary to prepare maps, plats and legal descriptions for the final right of way acquisition from FM 396 (Anzalduas Highway) to SH 336 (10th Street).

WORK AUTHORIZATION NO. 2

EXHIBIT B SERVICES TO BE PROVIDED BY THE SURVEYOR



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Exhibit B.1 – Detailed Scope of Service for

Project Control

1.2 Secondary Control

Secondary Control is a series of Control points established and setup no more than 1000 feet apart and in a "line of sight" pattern. The purpose for Secondary Control is mainly for use with conventional theodolite/robotic instrumentation where an occupied and back sight point is needed. Another use for secondary control can be for GPS RTK Rover checks, initialization and calibration. The datum and values of secondary control will be derived from the Valley VRS Network.

Note: The conventional scope for this service will not be performed; instead, the "Panel points" or "Aerial Target" monumentation establish for the Aerial Photogrammetry will be utilized as Secondary Control for the TCC/SH 365 segment of this project due to its availability. In the event that conventional Secondary Control becomes necessary, the HCRMA PMC Survey Coordinator will enumerate a detailed scope for this service.

Limits for this service:

10th Street to Conway Rd., (FM 1016), Including From Shary Rd. to the GSA Connector

1.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	ovided by:		
<u>N/A</u>		1.2.1.1	Contact and Coordinate with PMC for Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc.
<u>PMC</u>	DOS	1.2.1.2	Obtain <u>Survey Control Report</u> that includes: Panel Point Data Control Sheets, Location Map and coordinate values.
		1.2.1.3	

1.2.2 Field Work Tasks.

	To be pro	vided by:				N H		
		DOS 1.2.2.1 Locate, recover and flag panel points. (Existing on Ground)						
		DOS				nd vertical coordina cedures. (Existing c	tes on all recovered panel points using GPS on Ground)	
Γ			1.2.2.3	,				

1.2.3 Office Work / Delivery Preparation Tasks

To be provided by:		Prepare and submit a REVISED Survey Control Report that includes:	
DOS	1.2.3.1	Panel Point Data Control Sheets, Location Map and coordinate values of recovered panel points.	
	1.2.3.2		



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

1.3.3 Office Work / Delivery Preparation Tasks

To be pro	vided by:						
<u>Others</u>		1.3.3.1	I TOCCOS ATE C	oordinates an o photogramn	a sasimic coore	linate value	es and all necessary panel point
Others		1.3.3.2	Proje Prima Prima Prima	ct Summary; ary Control Loc ary Control Da: Point Data Co Point Locatio	ta Sheets; entrol Sheets;		des: Pordinate values list of each aerial target
		1.3.3.3				·	



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

DOS	1.4.2.2	Stake adjacent preliminary or proposed ROW lines - at all Deflection Pl's, PC's, PT's - at (1000') (EVEN STATION) intervals on straight POTs - at (1000') (EVEN STATION) intervals on curves - Stake point using (5/8"x 2") wooden hub and 4 foot wooden guard lathe. - Mark lathe with centerline station number and offset from project center.
DOS	1.4.2.3	Revisit project ONE additional time, (or as directed by PMC), to maintain and / or re-stake disturbed or obliterated points.
	1.4.2.4	

1.4.3 Office Work / Delivery Preparation Tasks

	To be pro	vided by:			2 II 94 II	, 11 %	
		DOS	1.4.3.1	Provide PMC	with Stakeout rep	eert	
		DOS	1.4.3.2	Provide repor	ts as per PMC rec	juest, i.e., Geograp	hic Lat/Long of staked points.
ſ			1.4.3.3				



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

. ,	1 2 -	Survey CROSSING or intersecting Highways, Streets, Roads, and etc. for project DTM.
-		• Cross Section the above every 100' and at all break lines.
N/A	3.1.2.3	Cross section the above from ROW to ROW plus 25'.
13//	3.1.2.3	Cross section the above out to 500' right and left of the route or corridor centerline.
-		(See Special or Mitigation Surveys for special and extended Topo Survey): Survey and Measure all above ground and visible topical objects and features within survey
		corridor for project PLANIMETRICS including but not limited to:
		· ·
		Developed sites i.e., driveways and culverts, flatwork, fences, curbs, parking,
		entrances, buildings/improvements, and etc. Note and describe all on survey
ĺ		deliverable.
		Bridges/Overpasses of Hwy, Road, and Street; i.e. deck top, embankment, railings and
		ect. and profile of natural ground below structure.
		 (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Bridge Survey)
		 Cross Culverts/Bridges of Drain Ditch, Irrigation Canal, Stream, i.e, deck top, railings,
		wing walls and etc. and profile of natural ground below structure.
	-	 (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Cross
N/A	3.1.2.4	Culvert Survey)
IV/A	3.1.2.4	 Drainage Ditch / Irrigation Canal / Flood Control Structures, i.e., gates, weirs, outfalls,
		spillways, culverts and etc. and flow line elevations below structure.
		 (See Exhibit B.6 Special or Mitigation Surveys for special, detailed or offsite
	-	Drainage / Irrigation / Flood Control Structure Survey)
		(See Exhibit B.5 Utility Survey for Storm Water Drainage / Irrigation / Flood
		Control Pipelines Survey)
		 Major Vegetation, i.e., large old trees, fruit bearing trees, dense brush clumps and etc.
		 Signage, i.e., roadway, private, billboards, etc. Note and describe sign and sign content on survey deliverable.
*		Oil and Gas Wells and facilities, i.e., well heads, battery Tanks, compressors and etc.
		Utilities, above ground visible and apparent features i.e., markers, signs, risers, poles,
		guy wires and etc.
	3.1.2.5	(222 Emilia ala tat attiti anti anti anti anti anti an
	13.2.2.3	

3.1.3 Office Work / Delivery Preparation Tasks

To be pro	ovided by:									
			Process all su	rvey data usi	ing GEOPAC-	MICROSTATIC	ON software and submit a digital			
			◆ DAT-1	DAT file (project metadata)						
N/A		3.1.3.1	TIN file (masspoints and breaklines)							
			2d.DGN file (Project Planimetrics)							
			<u> </u>	N file (Proje	ect DTM and (Contours)				
NI/A	8	3.1.3.2	Submit a 1"-	50' scale har	dcopy of proj	ect PLANIMET	RICS showing line work and labels of all			
N/A		3.1.3.2	above ground	and pertine	nt objects an	d features surv	reyed.			



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Exhibit B.3 - Detailed Scope of Service for

Topographic and Planimetric Survey

Surveys, measurements and data within the project limits to develop a Digital Terrain Model (DTM) and Planimetrics of the project route or corridor.

3.2. IN-FILL Topo and Planimetrics

This is to supplement and update the Digital Terrain Model (DTM) and Planimetrics of the project route or corridor produced by aerial photogrammetry and mapping.

Limits for this service:

 ${f 10}^{
m th}$ Street to Conway Rd., (FM 1016), Including From Shary Rd. to the GSA Connector

3.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	ovided by:		1.89, 211,	and the state of the		
PMC	DOS	3.2.1.1	 Review E extent of Intended deliverab Horizonta 	XISTING AERIA wisting Aerial M In fills that will use of survey, le and method Il and Vertical p	L MAPPING digite lapping digital file l be necessary an Extent of survey, of display, files re	Accuracy required, required form of equired and etc. Istem and datum upon where the survey
		3.2.1.2	e a see .			X ^P 1
7		3.2.1.3	1 × -1 - 1	8		

3.2.2 Field Work Tasks.

To be provided by:	1	A. A				
DOS	3.2.2.1	1	or blanks within a	erial mapping limits		
DOS	3.2.2.2	elevation sho Cross section limits 100' ea	he limits of the protection in the inside of the object of	wided aerial photog above every 100' an	grammetric DTM lef	t void or blank. Obtain flow line



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

DOS	Submit a 1"= 50' scale hardcopy of project PLANIMETRICS showing line work and labels of all above ground and pertinent objects and features surveyed. Highlight new or updated information.
DOS	Submit a 1" = 50' scale hardcopy of project DTM and Contours showing line work and labels of ground relief and elevations of project corridor. Highlight new or updated information.



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

4.2 Field Work Tasks.

To be provided by:							
DOS	4.2.1 Locate, recover, and re trace all corners and survey lines of the Land Tracts throposed project route or corridor will pass.						
DOS	4.2.2	The surveyor will begin by locating or retracing as many corners of the original grants as required to construct the boundaries of the Land Tracts included in the project for future takings. Subsequent to locating the original grant boundaries and preparing a boundary construction, the surveyor may locate corners and lines of any junior survey interior to the original grants. In this manner, the surveyor will build up a logical scheme of boundary construction.					
	4.2.3						

4.3 Office Work / Delivery Preparation Tasks

To be provided by:									
DOS	4.3.1	Perform final boundary analysis and boundary re-construction decisions of survey lines lands included in the project for future takings in accordance to all Texas Board of Profe Land Surveying rules, standards and policies. ("Footsteps of the Original Surveyor")							
DOS	4.3.2	in the project. Insure:	Prepare and deliver a completed digital Boundary Construction Map. This map will depict all survey evidence recovered in the survey. The surveyor will prepare a survey map showing the corners recovered, the courses, and distances of the boundaries and areas of lands considered in the project. - Insure that boundary map coincides with the project grid and datum control Insure that boundary map includes all easements, severances, or other exceptions that						
DOS	4.3.3	Construction M	ap and analyze ings. Prepare a r problems. Thi	for areas of uneco	d consult with PMC	small slivers of land or un- summarizing any			

NOTE:

HCRMA PMC and Design Engineers will take the surveyors Boundary Survey deliverables and develop a <u>FINAL ROW</u>
<u>FOOTPRINT</u> and then direct surveyor to start and complete the <u>Right of Way Mapping and Parcel Tract Plats</u> phase of the surveyor's scope of services.



CORRESPONDENCE DATE: JULY 23, 2013

Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

5.2 Field Work Tasks.

To be pro	vided by:							
			Complete the location of all above ground utility features that may have been missed in Exhibit 8.3 Topographic / Planimetric survey. Survey and measure all above ground risers for all underground or buried Utilities within surveyed corridor of project, including but not limited to:					
			Description, size/ diameter, material, top and flow line elevations, direction of flow, and etc. of underground utility at manholes, inlets, vaults, standpipes, vents, valves, and etc.					
	<u>DOS</u>	5.2.1	 Description, size/ diameter, material, direction of line, line connectivity, (if data is made available), natural ground elevations, at locations marked by Dig Tess and/or utility company/owner. 					
-			 Description, size/ diameter, material, elevation / height, direction of line, line connectivity, and etc. of above ground / aerial utilities. 					
			(See Exhibit B.6 Special or Mitigation Surveys for special and detailed Utility Surveys at locations designated by design engineers as possible conflict with project plans, i.e., Potholing activities)					
		5.2.2						
		5.2.3						

5.3 Office Work / Delivery Preparation Tasks

To be provided by	<i>y</i> :	and the control of th
ENG.	5.3.1	Prepare and submit digital Utility (2D) Map. Show description, size/ diameter, material, top and flow line elevations, direction of flow, , line elevation / height, direction of line, line connectivity, Dig Tess and/or utility company/owner markings of all above ground and underground / buried utilities within surveyed corridor of project.
	5.3.2	
	5.3.3	



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

6.1 Surveys for Engineering Design

6.1.2 Cross Culverts/Bridges

Measurements to obtain cross sectional, (Elevation), details on culvert components such as size, construction, apron, wingwalls, hydraulic openings, silting, and other details requested by design engineer and Prepare cross sectional, (Elevation), details and exhibits

Limits for this Service:

 ${f 10}^{
m th}$ Street to Conway Rd., (FM 1016), Including From Shary Rd. to the GSA Connector

6.1.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:		
PMC / ENG.	<u>DOS</u>	6.1.2.1.1	Contact and Coordinate with PMC and Design Engineer for • Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc.
		6.1.2.1.2	
		6.1.2.1.3	

6.1.2.2 Field Work Tasks.

To be pro	vided by:									
	DOS	1	Measurements to obtain cross sectional, (Elevation), details on culvert components such as size, construction, apron, wing walls, hydraulic openings, silting, and other details requested by design engineer							
		6.1.2.2.2								
		6.1.2.2.3							-	

6.1.2.3 Office Work / Delivery Preparation Tasks

To be pro	To be provided by:			A _n is a second		the transfer of the second	
	DOS	6.1.2.3.1 Prepare cros		s sectional, (Eleva	ation), details ar	nd exhibits as directed.	4
		6.1.2.3.2					
		6.1.2.3.3					



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

6.1 Surveys for Engineering Design

6.1.4 Utilities

Measurements to obtain cross sectional, (Elevation), details on underground/buried conduit. at locations requested by design engineers.

Limits for this Service:

10th Street to Conway Rd., (FM 1016), Including section between Shary Rd. and the GSA Connector

6.1.4.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:	V	to the state of th
ENG.	a selection	6.1.4.1.1	Contact and Coordinate with - Irrigation District - Drainage District - IBWG - Municipalities - as to schedule for Potholing activities and Pothole locations designated by design engineers as possible conflict with project plans.
ENG. / PMC	DOS	6.1.4.1.2	Contact and Coordinate with PMC and Design Engineer for Pothole locations and potholing schedules needed. and Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc.
		6.1.4.1.3	The state of the s

6.1.4.2 Field Work Tasks.

To be pro	vided by:	d and report	i ii ii ii aeelii	A T WAS PAR WELL WAS TO SEE THE					
UTIL. DO	DOS	6.1.4.2.1	2.1 Log and survey, depths and locations of "potholes".						
i A	ja ja	6.1.4.2.2	herter action in the	And the state of t					
	, Lipe	6.1.4.2.3	in the state of the state of						

<u>6.1.4.3 Office Work / Delivery Preparation Tasks</u>

To be pro	vided by:						E 1 1 4			1
ENG.		6.1.4.3.1	5.1.4.3.1 Update digital Utility (3D) Map produce in Exhibit 8.5 Utility Surveys.							
	100	6.1.4.3.2	1	1 min 197 y	- 12-de 181		15-11-2-1	1, 22, 1	-	
		6.1.4.3.3							4	



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

6.2 Surveys for Wet Lands / Environmental / Archeology Study's

Surveys and measurements for the support of the studies that will be performed by these disciplines.

Limits for this Service:

Not Applicable... To be determined

6.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:			
<u>Others</u>		6.2.1.1	Contact and Coordinate with PMC and Environmental / Archeologist for. Intended use of survey, Extent of survey, Accuracy required, required and etc. deliverable and method of display, files required and etc. Limits, locations, areas needing additional survey.	
		6.2.1.2		
•		6.2.1.3		

6.2.2 Field Work Tasks.

To be provided by:					1 100
	6.2.2.1	N/A			
	6.2.2.2				
	6.2.2.3				

6.2.3 Office Work / Delivery Preparation Tasks

To be provided by:				
	6.2.3.1	N/A		
	6.2.3.2			
	6.2.3.3			



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

6.4 Surveys for Geotechnical Studies

Surveys and measurements to stake the location, or, to record and report the location of soil borings and other geotechnical soil testing excavations.

Limits for this Service:

10th Street to Conway Rd., (FM 1016), Including section between Shary Rd. and the GSA Connector

6.4.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:		
PMC/ Geo	DOS	6.4.1.1	Contact and Coordinate with PMC and Geotech for Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. Intended or needed Bore Hole locations.
		6.4.1.2	
	95	6.4.1.3	

6.4.2 Field Work Tasks.

To be pro	vided by:	371 111					
	DOS	6.4.2.1	Stake out 12	5 bore holes / Fie	ld locate finish	ed boreholes.	
	a the st	6.4.2.2	r Ca		100 700		1 - 1
		6.4.2.3					

6.4.3 Office Work / Delivery Preparation Tasks

To be provided by:							
	6.4.3.1	N/A					
	6.4.3.2			,			
	6.4.3.3						



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Limits for this service:

10th Street to Conway Rd., (FM 1016), Including From Shary Rd. to the GSA Connector

Final number of parcels has not been determined... Estimate 100 parcels.

7.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:	Task is Inc	cluded (no color) Task Not Included modification needed Task Not needed or performed by Others
<u>PMC</u>	DOS	7.1.1	 Contact and Coordinate with PMC for FINAL and APPROVED ROW FOOTPRINT prepared by HCRMA Design Engineers. (See Exhibit B.4 – Detailed Scope of Services for Boundary Survey). Any other information or data completed on the project to this point, i.e., final approved schematic, Planimetric Map of Project in MicroStation compatible format, Horizontal and Vertical projection, grid system and datum upon where the survey should be based and all other data the PMC has on hand.
<u>PMC</u>		7.1.2	Deliver "Abstracts of Title" or "Title Reports" of Parent Tracts prepared by Title Co.
<u>PMC</u>		7.1.3	Deliver HCRMA survey monument caps (if applicable)
<u>PMC</u>	DOS	7.1.4	Review of the HCRMA Survey Manuel and Right of Way requirements and discuss Parcel creation and numbering Requirements. The methodology of numbering ROW parcels must be correct and consistent to avoid problems in the appraisal process or with record maintenance through the ROW information system. Communicate regularly with the PMC for uniformity of Parcel creation methodology. ROW MAP Requirements. Parcel Plats and Parcel Descriptions Requirements.

7.2 Field Work Tasks.

To be provided by:		
DOS	7.2.1	 Monument the final project ROW lines Set a 5/8" diameter x 24" long rebar, capped with an "HCRMA ROW" aluminum disk along the ROW lines at all corners, angle points, and points of curvature and tangency.
DOS	7.2.2	Monument Parcel corners Set 5/8" diameter x 18" long rebar, capped with an "HCRMA ROW" aluminum disk along ROW lines Set 1/2" diameter x 18" long rebar, capped with an appropriate cap bearing identification of the sub consultant Surveyor on interior corners (corners inside the taking)
DOS	7.2.3	Verify that all planimetric features of existing topo and planimetrics within the staked parcel are current. • Exercise special care in observing both structure and aerial encroachments such as overhead electric and telephone lines with cross-arms.



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Exhibit B.8 - Detailed Scope of Service for

Construction Control and Staking

Construction Control is indented for use by the contractor that will build the HCRMA facility.

It will give the contractor a basis, or control to layout and construct the facility as per final design and construction plans. Construction Control is a series of "Benchmarks" established and setup no more than 1000 feet apart and in a "line of sight" pattern along and 1' inside one of the ROW lines. The purpose is mainly to enable the contractor to use conventional theodolite/robotic and leveling instrumentation where an occupied and backsight point is needed. Another use for secondary control can be for GPS RTK Rover and machine control checks initialization and calibration. The datum and values of secondary control will be derived from the Valley VRS Network.

Limits for this service:

10th Street to Conway Rd., (FM 1016), Including From Shary Rd. to the GSA Connector

8.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:		
PMC DOS		8.1.1	Contact and Coordinate with PMC - Intended use of survey, Timing of survey, Extent of survey, Assuracy required, required form of deliverable and method of display, files required and etc.
		8.1.2	
		8.1.3	

8.2 Field Work Tasks.

To be pro	vided by:							
	DOS	8.2.1	Set and establish Benchmarks along and 1' inside one of the project's ROW line at no more than 1000' intervals. Set benchmarks by digging 8" diameter x 18" deep post hole insert a 5/8" by 24" long iron rod in middle of hole install HCRMA benchmark cap on rod fill hole around rod with "Quikrete" cement. Mark with 4 foot wooden guard lathe marked with PGL station number.					
	DOS	8.2.2	Survey each b	enchmark using (GPS RTK "Control O	bservation" procedures for horizontal value.		
	DOS	8.2.3	Survey each b	ench mark using	3 wire leveling pro-	cedures for vertical value.		
	DOS	8.2.4	Stake PGL, or under mitigating circumstances, stake offset baseline at all Deflection PI's, PC's, PT's and 1000' (EVEN STATION) POT's. Stake PGL point using 1/2" x 18" long iron rod, (do not cap) and 4 foot wooden guard lathe marked with station number. Stake PGL using GPS RTK "Stakeout" procedures for horizontal value. Do not assign vertical value to PGL points. These points are for horizontal use only.					



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Exhibit B.9 - Detailed Scope of Service for

9.1 Right of Entry Acquisition

As with any survey, permission to enter property must be obtained and arrangements must be made with property owners, tenants, or agents responsible for the property. Letters of Entry must be obtained before the surveyor is allowed to perform any surveying activities on the project.

Limits for this service:

10th Street to Conway Rd., (FM 1016),, Excluding section between Shary Rd. and the GSA Connector

9.1 Coordination, Admin., Research and Abstracting Tasks.

To be prov	vided by:		
	DOS	9.1.1	Identify properties along, adjacent and crossing project that may require entry and obtain ownership and address information.
	DOS	9.1.2	Coordinate with HCRMA Program Management as to a) form and content of letter b) extent of permissions to request c) general procedures to be followed and HCRMA requirements.
	DOS	9.1.3	

9.2 Field Work Tasks.

To be pro	ovided by:		
	DOS	9.2.1	If contact with property owner through mail out attempts fail, attempt personal visit to property owner.
	DOS	9.2.2	
	DOS	9.2.3	

9.3 Office Work / Delivery Preparation Tasks

To be pro	vided by:							
<u>PMC</u>	DOS	9.3.1	Prepare and address ROE letters and mail out via registered mail.					
<u>PMC</u>	DOS	9.3.2	(Permitted not	ters from property owners permitted, non responder	te and ate)	prescribed spreadsheet.		
	DOS	9.3.3	Prepare and sub	omit Tax Parcel Map showi	ng a graphical ownershi	p ROE status report.		

DOS Land Surveying LLC Eurvey Services for the HCRMA WA No. 2 Schedule Duration: May 1, 2012 to August 21, 2013

EDURAT TO Fee Schedule-Budget for datgo County Regional Hebblity Authority (HCRMA) Work Authorization No. 2 SH 365 Serveying Services

SURVEY SERVICES GESCRIPTION	Registered Professional Land Surveyor	Survey Technician	CADO Operator	Admini Clerical	3-Person Survey Crew					Total Labor Hrs.	Remarks	Tesk Cost
ection 7 - Right of Way Mapping and Percel Tract Platting	<u> </u>											
LUMP SUB FEE FOR 100 PARCELS AT \$3,100 PER PARCEL. THE BY THE SENSE. TO passels estimated. Shall handler of passels has not been											Lump Sum	
efembet	L										\$ 319,000	6 310,00
7.1 Coordination, Admin., Research and Abstracting Tasks												
7.2 Field Work Tooks			I									
7.3 Office Work / Delivery Preparation Tasks												
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GENON/HOE

EXHIBIT H-2 Subprovider Monitoring System Commitment Agreement

Work Authorization (WA)#: WA Amount: S310,000.00	Regional Mobility Authority (Authority). <i>NOTE: Exdoes not include work authorizations. Exhibit H-2 Exhibit H-2 is also required to be attached to estably to be attached to estably the form must be completed.</i>	l and receipt of a signed contract from the Hidalgo County Schibit H-2 is required to be attached to each contract that is required to be attached with each work authorization each supplemental work authorization. If DBE/HUI ed and signed. If no DBE/HUB Subproviders are used attach with the work authorization or supplemental work Prime Provider Dos Land Surveying, LLC						
(List by category of work or task description. Attach additional pages, if necessary.) FC Assistance with Survey FC S0 Total Commitment Amount (Including all additional pages.) IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and N DBE) and the total commitment amount must always be on the same page. Provider Name: Dos Land Surveying, LLC Address: 1002 E. Expressway 83 Weslaco, TX 78596 VID Number: 12617524421 PH: (956) 969-4183; FX: (956) 447-8194 Email: ericybarra@doslandsurveying.com Name:	Work Authorization (WA)#:2 WA Amount:\$31 Supplemental Work Authorization (SWA) #: to WA #							
Total Commitment Amount (Including all additional pages.) IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and N DBE) and the total commitment amount must always be on the same page. Provider Name: Dos Land Surveying, LLC Address: 1002 E. Expressway 83 Weslaco, TX 78596 VID Number: 12617524421 PH: (956) 969-4183; FX: (956) 447-8194 Email: ericybarra@doslandsurveying.com Name:	(List by category of work or task description. Attach add necessary.)	dditional pages, if (For each category of work or tas description shown.)						
Total Commitment Amount (Including all additional pages.) IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and N DBE) and the total commitment amount must always be on the same page. Provider Name: Dos Land Surveying, LLC Address: 1002 E. Expressway 83 Weslaco, TX 78596 VID Number: 12617524421 PH: (956) 969-4183; FX: (956) 447-8194 Email: ericybarra@doslandsurveying.com Name: Eric C. Ybarra. (Please Print) Title: President Name: (Please Print) Title: Ti								
IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and N DBE) and the total commitment amount must always be on the same page. Provider Name: Dos Land Surveying, LLC Address: 1002 E. Expressway 83 Weslaco, TX 78596 VID Number: 12617524421 PH: (956) 969-4183; FX: (956) 447-8194 Email: ericybarra@doslandsurveying.com DBE/HUB Sub Provider Subprovider Name:	FC	\$0						
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DBE/HUB Sub Provider Subprovider Name: VID Number: Address: PH:; FX: Email:	Address: 1002 E. Expressway 83 Weslaco, TX 78596 VID Number: 12617524421 PH: (956) 969-4183; FX: (956) 447-8194	(Please Print) Title: President						
	Subprovider Name: VID Number: Address:	Name:						
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone #& Fax #: Email: Signature Name: (Please Print) Title: Signature Date	Subprovider Name: VID Number: Address: Phone #& Fax #:	(Please Print) Title:						
VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, ple		by the Comptroller. If a firm does not have a VID Number, please						



Memorandum

To:

Ricardo Perez, Chairman – Planning Committee

From:

Pilar Rodriguez, PE, Executive Director

Date:

September 12, 2013

Re:

Recommendation on Work Authorization No. 2 with Quintanilla, Headley & Associates for ROW Mapping of SH365 from 10th Street to US 281/Military

Highway

Background

On October 27, 2011, the Hidalgo County Regional Authority (HCRMA) awarded a professional surveying service agreement to DOS Land Surveying to perform surveying work for the SH 365 Project from FM 1016 to SH 336 in the maximum payable amount of \$415,438.75.

On November 15, 2011, the HCRMA Board of Directors approved Supplemental Number 1 to the professional surveying service agreement with Consultant in the amount \$25,000.00 for a revised maximum payable amount of \$440,438.75 and also approved Work Authorization Number 1 and Work Authorization Number 2 with Consultant in the amounts of \$415,438.75 and \$25,000.00 respectively.

On November 21, 2012, the HCRMA Board of Directors Amended and Restated the professional surveying service agreement with the DOS Land Surveying to revise the Scope of Service, Work Authorization requirement and DBE/HUB reporting requirement. The maximum payable amount remained at \$440,438.75 and Work Authorizations Numbers 1 and 2 were consolidated into Work Authorization Number 1, with the aggregate amount remaining at \$440,438.75.

On March 20, 2013, the HCRMA Board of Directors approved Supplemental Number 1 to the Amended and Restate agreement with the DOS Land Surveying to revise the Scope of Service and Work Authorization Number 1 for SH 365 from FM 1016 (Conway Avenue) to SH 336 (10th Street) for an increase in the amount of \$353,753.75, for a revised maximum payable amount of \$794,192.50. Work Authorization Number 1 was revised to the amount of \$422,496.25.

Goa

With the negotiation of final PS&E, environmental clearance and the Vehicle Registration Fee Bond issuance for the SH 365 Project, it will be necessary to prepare maps, plats and legal descriptions for the final right of way acquisition from SH 336 (10th Street) to US 281/Military Highway.

WORK AUTHORIZATION NO. 2

EXHIBIT B SERVICES TO BE PROVIDED BY THE SURVEYOR



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Exhibit B.1 – Detailed Scope of Service for

Project Control

1.2 Secondary Control

Secondary Control is a series of Control points established and setup no more than 1000 feet apart and in a "line of sight" pattern. The purpose for Secondary Control is mainly for use with conventional theodolite/robotic instrumentation where an occupied and back sight point is needed. Another use for secondary control can be for GPS RTK Rover checks, initialization and calibration. The datum and values of secondary control will be derived from the Valley VRS Network.

Note: The conventional scope for this service will not be performed; instead, the "Panel points" or "Aerial Target" monumentation establish for the Aerial Photogrammetry will be utilized as Secondary Control for the TCC/SH 365 segment of this project due to its availability. In the event that conventional Secondary Control becomes necessary, the HCRMA PMC Survey Coordinator will enumerate a detailed scope for this service.

Limits for this service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North
of Las Milpas Road to US HWY 281 (Military Highway)

1.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:	1 . V . Digit	
<u>N/A</u>		1.2.1.1	Contact and Coordinate with PMC for Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. ——
<u>PMC</u>	QHA	1.2.1.2	Obtain <u>Survey Control Report</u> that includes: Panel Point Data Control Sheets, Location Map and coordinate values.
	.4	1.2.1.3	

1.2.2 Field Work Tasks.

To be pro	vided by:			
	QHA	1.2.2.1	ocate, recover and flag panel points. (Ex	isting on Ground)
-	<u>QHA</u>	11///	Survey and check horizontal and vertical RTK "Control Observation" procedures. (I	epordinates on all recovered panel points using GPS existing on Ground)
		1.2.2.3		

1.2.3 Office Work / Delivery Preparation Tasks

To be pro	vided by:			
	<u>QHA</u>	1.2.3.1	Prepare and submit a REVISED <u>Survey Control Report</u> that includes: - Panel Point Data Control Sheets, - Location Map and coordinate values of recovered panel points.	
		1.2.3.2		



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

1.3.3 Office Work / Delivery Preparation Tasks

To be provided	by:	
<u>Others</u>	1.3.3.1	Process XYZ coordinates and submit coordinate values and all necessary panel point information to photogrammetrist
<u>Others</u>	1.3.3.2	Prepare and Submit Survey Control Report that includes: - Project Summary; - Primary Control Location Map; - Primary Control Data Sheets; - Panel Point Data Control Sheets; - Panel Point Location Map and Panel Points coordinate values list of each aerial target point.
	1.3.3.3	· · · · · · · · · · · · · · · · · · ·



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

	QHA	1.4.2.2	Stake adjacent preliminary or proposed ROW lines at all Deflection Pl's, PC's, PT's at (1000') (EVEN STATION) intervals on straight POTs at (1000') (EVEN STATION) intervals on curves Stake point using (5/8"x 2") wooden hub and 4 foot wooden guard lathe. Mark lathe with centerline station number and offset from project center.
	QHA	1.4.2.3	Revisit project ONE additional time, (or as directed by PMC), to maintain and / or re stake disturbed or obliterated points.
1 4		1.4.2.4	

1.4.3 Office Work / Delivery Preparation Tasks

To be pro	vided by:			- 21 - 1	2 2					
	QHA	1.4.3.1	Provide PMC	with Stakeout rep	ert					
	QHA	1.4.3.2	Provide repor	Provide reports as per PMC request, i.e., Geographic Lat/Long of staked points.						
		1.4.3.3								



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

		Survey CROSSING or intersecting Highways, Streets, Roads, and etc. for project DTM.
		 Cross Section the above every 100' and at all break lines.
N/A	3.1.2.3	 Cross section the above from ROW to ROW plus 25'.
		 Cross section the above out to 500' right and left of the route or corridor centerline.
		(See Special or Mitigation Surveys for special and extended Topo Survey)
		Survey and Measure all above ground and visible topical objects and features within survey
		corridor for project PLANIMETRICS including but not limited to:
		 Developed sites i.e., driveways and culverts, flatwork, fences, curbs, parking,
		entrances, buildings/improvements, and etc. Note and describe all on survey
		deliverable.
		 Bridges/Overpasses of Hwy, Road, and Street; i.e. deck top, embankment, railings and
		ect. and profile of natural ground below structure.
		 (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Bridge
		Survey)
		 Cross Culverts/Bridges of Drain Ditch, Irrigation Canal, Stream, i.e, deck top, railings,
		wing walls and etc. and profile of natural ground below structure.
		 (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Cross
N/A	3.1.2.4	Culvert Survey)
N/A	3.2.2.	 Drainage Ditch / Irrigation Canal / Flood Control Structures, i.e., gates, weirs, outfalls,
		spillways, culverts and etc. and flow line elevations below structure.
		 (See Exhibit B.6 Special or Mitigation Surveys for special, detailed or offsite
		Drainage / Irrigation / Flood Control Structure Survey)
		 (See Exhibit B.5 Utility Survey for Storm Water Drainage / Irrigation / Flood
		Control Pipelines Survey)
		 Major Vegetation, i.e., large old trees, fruit bearing trees, dense brush clumps and etc.
		 Signage, i.e., roadway, private, billboards, etc. Note and describe sign and sign content
		on survey deliverable.
		Oil and Gas Wells and facilities, i.e., well heads, battery Tanks, compressors and etc.
		 Utilities, above ground visible and apparent features i.e., markers, signs, risers, poles,
		guy wires and etc.
		→ (See Exhibit B.5 for Utility Surveying Scope)
	3.1.2.5	

3.1.3 Office Work / Delivery Preparation Tasks

To be prov	vided by:								
			Process all survey data using	GEOPAC - MICROS	STATION software and submit a digital				
			 DAT file (project me 	tadata)					
N/A		3.1.3.1 • TIN file (masspoints and breaklines)							
◆ 2d.DGN file (Project Planimetrics)									
			- 2d.DGN file (Project	DTM and Contours)				
21/2		2122	Submit a 1" = 50' scale harde	opy of project PLA	VIMETRICS showing line work and labels of all				
N/A		3.1.3.2	above ground and pertinent	objects and feature	es surveyed.				



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor, Pharr, Texas 78577

Exhibit B.3 – Detailed Scope of Service for

Topographic and Planimetric Survey

Surveys, measurements and data within the project limits to develop a Digital Terrain Model (DTM) and Planimetrics of the project route or corridor.

3.2. IN-FILL Topo and Planimetrics

This is to supplement and update the Digital Terrain Model (DTM) and Planimetrics of the project route or corridor produced by aerial photogrammetry and mapping.

Limits for this service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North of Las Milpas Road to US HWY 281 (Military Highway)

3.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	o be provided by:			20 W 20 W		4	
PMC	QHA	3.2.1.1	• Revie exter • Inten delive • Horiz	IN EXISTING W Existing A It of In fills t ded use of s Prable and IT ontal and Ve	AERIAL MAP erial Mappin hat will be ne urvey, Extent nethod of disp	digital filessary ar of survey, lay, files r	ital files, maps, data and information. iles, maps, data and determination of th ind/or needed. y, Accuracy required, required form of required and etc. system and datum upon where the surventred.
51 =	=	3.2.1.2	e La	5 - 14		1 9 -4	
		3.2.1.3					

3.2.2 Field Work Tasks.

To be provided by:					ale e			
QHA	3.2.2.1	.2.2.1 Obtain elevation shots within the limits of the provided aerial photogrammetric DTM in ar left void or blank. - Survey voids or blanks within aerial mapping limits. - (See Special or Mitigation Surveys for special and extended Topo Survey).						
QHA	3.2.2.2	and Streams - Gross eleva Cross	within the limit Section the in tion shots section the ab 100' each side	ts of the providuside of the abo	ed aerial p ve every 1 aerial maj	n shots, inside Drainage ditches, Canals photogrammetric DTM left void or blank. OO' and at all break lines. Obtain flow line pping limits and beyond aerial mapping respecial and extended Topo Survey)		



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

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QHA		Submit a 1"= 50' scale hardcopy of project PLANIMETRICS showing line work and labels of all above ground and pertinent objects and features surveyed. Highlight new or updated information.
QHA	3.2.3.3	Submit a 1" = 50' scale hardcopy of project DTM and Contours showing line work and labels of ground relief and elevations of project corridor. <u>Highlight new or updated information.</u>



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

<u>QHA</u> 4.1.5	Prepare digital "Working Sketch", or "Deed Draft Record Sketch". (This will evolve into the Final "Boundary Map" as field survey data is performed)
-------------------	---

4.2 Field Work Tasks.

To be provided by:	-	1,11		- 1	. 1		47.0	
QHA	4.2.1	Locate, recover, and re-trace all corners and survey lines of the Land Tracts through which the proposed project route or corridor will pass.						
QHA	4.2.2	required to calculate takings. Subscenstruction	construct the sequent to lo the surveye ts. In this ma	boundaries of cating the origon may locate o	f the Land Trac sinal grant bou corners and lin	ny corners of the original grants as ets included in the project for future indaries and preparing a boundary es of any junior survey interior to t up a logical scheme of boundary	e	
	4.2.3						7 1	

4.3 Office Work / Delivery Preparation Tasks

To be provided by:					
QHA	4.3.1	Perform final boundary analysis and boundary re-construction decisions of survey lines for the lands included in the project for future takings in accordance to all Texas Board of Professional Land Surveying rules, standards and policies. ("Footsteps of the Original Surveyor")			
QHA	QHA Prepare and deliver a completed digital Boundary Construction Map. This map survey evidence recovered in the survey. The surveyor will prepare a survey me corners recovered, the courses, and distances of the boundaries and areas of line the project. Insure that boundary map coincides with the project grid and datum consumer that boundary map includes all easements, severances, or other the "Abstracts of Title" or "Title Reports" yield.				
QHA	4.3.3	Overlay the most current PROPOSED/PRELIMINARY ROW Corridor onto the Boundary Construction Map and analyze for areas of uneconomic remainders, small slivers of land or unrationalized takings. Prepare a written report and consult with PMC summarizing any discrepancies or problems. This will also be shown on the survey map. This will also be known as the Preliminary ROW Map.			

NOTE:

HCRMA PMC and Design Engineers will take the surveyors Boundary Survey deliverables and develop a <u>FINAL ROW</u> <u>FOOTPRINT</u> and then direct surveyor to start and complete the <u>Right of Way Mapping and Parcel Tract Plats</u> phase of the surveyor's scope of services.



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

5.2 Field Work Tasks.

To be provided by:		
	5.2.1	Complete the location of all above ground utility features that may have been missed in Exhib B.3 Topographic / Planimetric survey. Survey and measure all above ground risers for all underground or buried Utilities within surveyed corridor of project, including but not limited to: Description, size/ diameter, material, top and flow line elevations, direction of flow, and etc. of underground utility at manholes, inlets, vaults, standpipes, vents, valves, and etc. Description, size/ diameter, material, direction of line, line connectivity, (if data is made available), natural ground elevations, at locations marked by Dig Tess and/or utility company/owner. Description, size/ diameter, material, elevation / height, direction of line, line connectivity, and etc. of above ground / aerial utilities. (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Utility Surveys at locations designated by design engineers as possible conflict with project plans, i.e., Potholing activities)
- 1 - 2 - 2 - 2	5.2.2	
	5.2.3	

5.3 Office Work / Delivery Preparation Tasks

To be pro	vided by:		그 그는 전 : [10] [10] [10] [10] [10] [10] [10] [10]
ENG.		5.3.1	Prepare and submit digital Utility (2D) Map. Show description, size/ diameter, material, top and flow line elevations, direction of flow, , line elevation / height, direction of line, line connectivity, Dig Tess and/or utility company/owner markings of all above ground and underground / buried utilities within surveyed corridor of project.
	4.5	5.3.2	
	A. 1	5.3.3	



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

6.1 Surveys for Engineering Design

6.1.2 Cross Culverts/Bridges

Measurements to obtain cross sectional, (Elevation), details on culvert components such as size, construction, apron, wingwalls, hydraulic openings, silting, and other details requested by design engineer and Prepare cross sectional, (Elevation), details and exhibits

Limits for this Service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North of Las Milpas Road to US HWY 281 (Military Highway)

6.1.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:			î e i vi.
PMC / ENG.	<u>QHA</u>	6.1.2.1.1	ontact and Coordinate with PMC and Design Engineer for - Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc.	sf
		6.1.2.1.2		
		6.1.2.1.3		

6.1.2.2 Field Work Tasks.

To be pro	vided by:						- V
	<u>QHA</u>		size, constru	ction, apron, w	ingwalls, hyd	**	on culvert components such as ng, and other details requested by ails and exhibits
		6.1.2.2.2					
		6.1.2.2.3				x	

6.1.2.3 Office Work / Delivery Preparation Tasks

To be provided by:								
	<u>QHA</u>	6.1.2.3.1	Prepare cross sectional, (Elevation), details and exhibits as directed.					
	_	6.1.2.3.2						
		6.1.2.3.3						



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

6.1 Surveys for Engineering Design

6.1.4 Utilities

Measurements to obtain cross sectional, (Elevation), details on underground/buried conduit. at locations requested by design engineers.

Limits for this Service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North of Las Milpas Road to US HWY 281 (Military Highway)

6.1.4.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:			
ENG.		6.1.4.1.1	Contact and Coordinate with - Irrigation District - Drainage District - IBWC - Municipalities - Municipalities - as to schedule for Potholing activities and Pothole locations designated by design enginates as possible conflict with project plans.	neers
ENG / PMC	QHA	6.1.4.1.2	Contact and Coordinate with PMC and Design Engineer for - Pothole locations and potholing schedules needed. and Intended use of survey, Extent of survey, Accuracy required, required form deliverable and method of display, files required and etc.	r of
		6.1.4.1.3		

6.1.4.2 Field Work Tasks.

To be pro	vided by:		
UTIL Co.	QHA	6.1.4.2.1	Log and survey, depths and locations of "potholes".
		6.1.4.2.2	
		6.1.4.2.3	

6.1.4.3 Office Work / Delivery Preparation Tasks

To be pro	To be provided by:							
ENG.		6.1.4.3.1	i.1.4.3.1 Update digital Utility (3D) Map produce in Exhibit B.5 Utility Surveys.					
		6.1.4.3.2						
		6.1.4.3.3						



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

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6.2 Surveys for Wet Lands / Environmental / Archeology Study's

Surveys and measurements for the support of the studies that will be performed by these disciplines.

Limits for this Service:

Not Applicable... To be determined

6.2.1 Coordination, Admin., Research and Abstracting Tasks.

To be prov	vided by:							
<u>Others</u>		6.2.1.1	Intend delive	led use (rable an	Extent of displ	of survey, ay, files r	Accuracy	e dust
		6.2.1.2						
		6.2.1.3						

6.2.2 Field Work Tasks.

To be provided by:				P.
	6.2.2.1	N/A		
	6.2.2.2			
	6.2.2.3			

6.2.3 Office Work / Delivery Preparation Tasks

To be provided by:						
	6.2.3.1	N/A				
	6.2.3.2					
	6.2.3.3					



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

6.4 Surveys for Geotechnical Studies

Surveys and measurements to stake the location, or, to record and report the location of soil borings and other geotechnical soil testing excavations.

Limits for this Service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North of Las Milpas Road to US HWY 281 (Military Highway)

6.4.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:		Part of the second seco
PMC / Geo	QHA	6.4.1.1	Contact and Coordinate with PMC and Geotech for Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. Intended or needed Bore Hole locations.
		6.4.1.2	
		6.4.1.3	

6.4.2 Field Work Tasks.

	To be pro	vided by:						1742
		QHA	6.4.2.1	Stake out 28 l	oore holes / Field	locate finished bo	reholes	
ĺ			6.4.2.2					
			6.4.2.3					

6.4.3 Office Work / Delivery Preparation Tasks

To be provided by:		2, 2	19 25 T		
	6.4.3.1	N/A			
	6.4.3.2				
	6.4.3.3			To the second se	,



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

Limits for this service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North of Las Milpas Road to US HWY 281 (Military Highway)

Final number of parcels has not been determined... Estimate 100 parcels.

7.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:		
<u>PMC</u>	QHA	7.1.1	 Contact and Coordinate with PMC for FINAL and APPROVED ROW FOOTPRINT prepared by HCRMA Design Engineers. (See Exhibit B.4 – Detailed Scope of Services for Boundary Survey). Any other information or data completed on the project to this point, i.e., final approved schematic, Planimetric Map of Project in MicroStation compatible format, Horizontal and Vertical projection, grid system and datum upon where the survey should be based and all other data the PMC has on hand.
<u>PMC</u>		7.1.2	Deliver "Abstracts of Title" or "Title Reports" of Parent Tracts prepared by Title Co.
<u>PMC</u>		7.1.3	Deliver HCRMA survey monument caps (if applicable)
<u>PMC</u>	QHA	7.1.4	 Review of the HCRMA Survey Manuel and Right of Way requirements and discuss Parcel creation and numbering Requirements. The methodology of numbering ROW parcels must be correct and consistent to avoid problems in the appraisal process or with record maintenance through the ROW information system. Communicate regularly with the PMC for uniformity of Parcel creation methodology. ROW MAP Requirements. Parcel Plats and Parcel Descriptions Requirements.

7.2 Field Work Tasks.

To be pro	ovided by:						
	QHA	7.2.1	• Se		er x 24" long rel		with an "HCRMA ROW" aluminum disk nts, and points of curvature and tangency.
	QHA	7.2.2	• Se ald • Se ide	ong ROW lines t 1/2" diameter	× 18" long reba	r, capped v	vith an "HCRMA ROW" aluminum disk vith an appropriate cap bearing on interior corners (corners inside the
	QHA	7.2.3	are curren	t. ercise special ca		both struct	nd planimetrics within the staked parcel sure and aerial encroachments such as ross-arms.



Project No. & Name: 4652 – HCRMA Program Management Consultant Project

Client Name & Address: HCRMA – 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

Exhibit B.8 – Detailed Scope of Service for

Construction Control and Staking

Construction Control is indented for use by the contractor that will build the HCRMA facility.

It will give the contractor a basis, or control to layout and construct the facility as per final design and construction plans. Construction Control is a series of "Benchmarks" established and setup no more than 1000 feet apart and in a "line of sight" pattern along and 1' inside one of the ROW lines. The purpose is mainly to enable the contractor to use conventional theodolite/robotic and leveling instrumentation where an occupied and backsight point is needed. Another use for secondary control can be for GPS RTK Rover and machine control checks initialization and calibration. The datum and values of secondary control will be derived from the Valley VRS Network.

Limits for this service:

From 10th Street To 200' North of Las Milpas Road, excluding the TCC/IBTC Interchange, AND From 200' North of Las Milpas Road to US HWY 281 (Military Highway)

8.1 Coordination, Admin., Research and Abstracting Tasks.

To be pro	vided by:		
<u>PMC</u>	<u>QHA</u>	8.1.1	Intended use of survey, Timing of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc.
		8.1.2	
		8.1.3	

8.2 Field Work Tasks.

To be provided	by:	
Qt	HA 8.2.1	Set and establish Benchmarks along and 1' inside one of the project's ROW line at no more than 1000' intervals. Set benchmarks by digging 8" diameter x 18" deep post hole insert a 5/8" by 24" long iron rod in middle of hole install HCRMA benchmark cap on rod fill hole around rod with "Quikrete" cement. Mark with 4 foot wooden guard lathe marked with PGL station number.
Qt	IA 8.2.2	Survey each benchmark using GPS RTK "Control Observation" procedures for horizontal value.
QH	IA 8.2.3	Survey each bench mark using 3-wire leveling procedures for vertical value.
Qt	<u>IA</u> 8.2.4	Stake PGL, or under mitigating circumstances, stake offset baseline at all Deflection Pl's, PG's, PT's and 1000' (EVEN STATION) POT's. Stake PGL point using 1/2" x 18" long iron rod, (do not cap) and 4 foot wooden guard lathe marked with station number. Stake PGL using GPS RTK "Stakeout" procedures for horizontal value. Do not assign vertical value to PGL points. These points are for horizontal use only.



Project No. & Name: 4652 - HCRMA Program Management Consultant Project

Client Name & Address: HCRMA - 118 S. Cage Blvd, 4th Floor Pharr, Texas 78577

Exhibit B.9 – Detailed Scope of Service for

9.1 Right of Entry Acquisition

As with any survey, permission to enter property must be obtained and arrangements must be made with property owners, tenants, or agents responsible for the property. Letters of Entry must be obtained before the surveyor is allowed to perform any surveying activities on the project.

Limits for this service:

From 10th Street To 200' North of Las Milpas Road excluding the TCC/IBTC Interchange.

9.1 Coordination, Admin., Research and Abstracting Tasks.

To be provided by	:	
QHA	9.1.1	Identify properties along, adjacent and crossing project that may require entry and obtain ownership and address information.
QHA	9.1.2	Coordinate with HCRMA Program Management as to a) form and content of letter b) extent of permissions to request c) general procedures to be followed and HCRMA requirements.
QHA	9.1.3	

9.2 Field Work Tasks.

To be pro	ovided by:		
	QHA	9.2.1	If contact with property owner through mail-out attempts fail, attempt personal visit to property owner.
	<u>QHA</u>	9.2.2	
	QHA	9.2.3	

9.3 Office Work / Delivery Preparation Tasks

To be pro	vided by:		
<u>PMC</u>	QHA	9.3.1	Prepare and address ROE letters and mail out via registered mail.
<u>PMC</u>	<u>QHA</u>	19 3 7	Receive ROE letters from property owners and track responses on prescribed spreadsheet. (Permitted, not permitted, non respondents and etc.)
	QHA	9.3.3	Prepare and submit Tax Parcel Map showing a graphical ownership ROE status report.

Quintanilla, Headley and Associates, Inc. Survey Services for the MCRISIA Work Authorization No.2 Behedule Duratine: August 1, 2013 to August 21, 2014 EARRENT OF Fee SchedulefBudget for Usingo County Regional Mobility Authority (HCRSIA Work Authorization No. 2 841 365 Surveying Services

SURVEY SERVICES DESCRIPTION	Registered Professional Land Surveyor	Survey Tech	CAAD Tech	CADD Workstation with Platter	3 Person Field Party					Total Labor Res.	Recerts	Tank Cost
ection 7 - Right of Way Maguing and Parcel Tract Platting	<u> </u>											
LLIMP SUM FREE FOR 100 PARCIELS AT \$3,500 PER PARCES.											Lump Sum	
rate for this service, Silparteris extracted displayable of coronis has not been depreted.	l	L					L	1	l	1	\$ 310,000	\$ 310,00
7.1 Coordination, Admin., Research and Abstracting Tasks												
7.2 Flood Work Tasks									L			
7.3 Office Work / Outvery Proposation Tasks	\vdash											
		S-2000	0	0.000	C 10 0 2 10 2	0	0	0	0	0		\$ 210,00
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Contract Hourly Rate by Claseffortion	\$ 165.00	8 62.75	\$ 55.00	\$ 55.00	8 191.25	8		S	1		1	
Total Fee by Classification	8 -	6 :	8 -	8 .	8 -	8 .	8 .	8 .	8	8 .	1	
											CHECK (DEGN):	
% Utilization by Over 6 coordin	0.00%	0.00%	6.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
% of Total Labor Hours	#CBV/EB	6001/01	#DRV#1	#DP/785	FERVIUS	SDR/SII	STORYIN	#DINEDS	#DR/III	EDAME	CHECK BABORS	
% of Total Labor Cost	600/103	EDDV/Rt	(EDN/B)	SECOVICE:	(CIVID)	#DIV(S)	#DDV/GH	#DN/DI	(CONO)	(DARR)	0	
DTAL DIRECT LABOR COST						The second second			The Part of the Pa		ALC: NAME OF TAXABLE PARTY.	\$ 310,00
RECT EXPENSES	Rate	User	Amount	Total								
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				8 -							3 .	
				\$ ·							5 .	
				8 .							5 .	
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				1							6	
				8 .							8	
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OTAL ORIECT EXPENSES	HARRIST ALICO	STREET, STREET										

Exhin 0 8/13/2013

EXHIBIT H-2

Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award Regional Mobility Authority (Authority). NOTE: Exdoes not include work authorizations. Exhibit H-2 Exhibit H-2 is also required to be attached to Subproviders are used, the form must be complete indicate with "N/A" on this line: and conthorization.	chibit H-2 is req is required to l each suppleme d and signed. attach with the	uired to be attached to each contract that be attached with each work authorization. If <u>DBE/HUB</u> If no DBE/HUB Subproviders are used, work authorization or supplemental work			
Contract #: Assigned Goal: 12.2% I Work Authorization (WA)#: 2WA Amount:\$3 Supplemental Work Authorization (SWA) #: to WA # Revised WA Amount:	10,000.00	Date:			
Description of Work (List by category of work or task description. Attach add necessary.) Survey	description shown.) \$68,200.00				
Total Commitment Amount (Including all additional policy) IMPORTANT: The signatures of the prime and the DBE DBE) and the total commitment amount must always be of	E/HUB and Secon	\$0 d Tier Subprovider, if any (both DBE and Non-			
Provider Name: Quintanilla, Headley & Associates Inc. Address: 124 E. Stubbs Edinburg, Texas 78539 VID Number: 17426481671 PH: (956) 381-6480; FX: (956) 381-0527 Email: alfonsoq@qhaengineering.com	(Please Print) Title:	Alfonso Quintanilla President Date			
DBE/HUB Sub Provider Subprovider Name: CVQ Land Surveyors VID Number: 12601525863 Address: 517 Beaumont McAllen, TX 78501 PH: (956) 618-1551; FX: (956) 618-1547 Email: cvq@cvqls.com		os Vasquez			
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone #& Fax #: Email:	Name:(Please Print) Title:				
VID Number is the Vendor Identification Number issued henter the owner's Social Security or their Federal Employee	y the Comptroller	. If a firm does not have a VID Number, please			

EXHIBIT H-2

Subprovider Monitoring System Commitment Agreement

Regional Mobility Authority (Authority). NOTE: Ex	chihit H_2 is rea	signed contract from the Hidalg	
does not include work authorizations. Exhibit H-2	-	•	
Exhibit H-2 is also required to be attached to	-		
Subproviders are used, the form must be complete			
indicate with "N/A" on this line: and	attach with the	work authorization or supplemen	ntal work
authorization.			
Contract #: Assigned Goal: 12.2%			
Work Authorization (WA)#: WA Amount:\$3	310,000.00	Date:	
Supplemental Work Authorization (SWA) #: to WA		WA Amount:	
Revised WA Amount:			
Description of Work		Dollar Amount	
(List by category of work or task description. Attach ad	ditional pages, if	(For each category of work	or task
necessary.)		description shown.)	
Engineering-Related Tasks		\$68,200.00	
FC		\$0	
Total Commitment Amount (Including all additional page 1)	\$0		
·			
IMPORTANT: The signatures of the prime and the DB		d Tier Subprovider, if any (both DBE	and Non-
DBE) and the total commitment amount must always be	on the same page.		
Provider Name: Quintanilla, Headley & Associates	Name	A16 O ::11-	
Inc.	Name:(Please Print)	Alfonso Quintanilla	
Address: 124 E. Stubbs Edinburg, Texas 78539		President	
VID Number: 17426481671			
PH: (956) 381-6480; FX: (956) 381-0527			
Email: alfonsoq@qhaengineering.com	Signature	Date	
Email: alfonsoq@qhaengineering.com <u>DBE</u> /HUB Sub Provider Subprovider Name:	Name:	Date Javier Hinojosa	
Email: alfonsoq@qhaengineering.com DBE/HUB Sub Provider Subprovider Name: Javier Hinojosa Engineering	Name:	Javier Hinojosa	-
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