



HCRMA

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

Established August 26, 2006

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, 3rd FLOOR
FIRE DEPT TRAINING ROOM
118 S. CAGE BOULEVARD
PHARR, TEXAS 78577

PRESIDING: RICARDO PEREZ, CHAIRMAN-PLANNING COMMITTEE

CALL TO ORDER

AGENDA

1. Recommendation on Supplemental No. 5 to Work Authorization No. 6 of Professional Service Agreement with Dannenbaum Engineering for Non-destructive Utility Locations.
2. 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).
3. 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.

Supplemental No. 2 to Work Authorization No. 6 - was to provide a Value Engineering Study for the SH 365 Project.

Supplemental No. 3 to Work Authorization No. 6 - was to provide a low level aerial flight and topographic survey for the IBTC Project.

Supplemental No. 4 to Work Authorization No. 6 – 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 programmed 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

**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

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.



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HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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.

Goal

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

*Work Authorization No. 2
HCRMA Surveying Services Agreement for Dos Land Surveying, LLC for
SH 365 Segments 0032/0034 from FM 1016 (Conway Ave.) to SH 336 (10th St)
Exhibit D-2*

EXHIBIT B
SERVICES TO BE PROVIDED BY THE SURVEYOR

Work Authorization No. 2
HCRMA Surveying Services Agreement for Dos Land Surveying, LLC for
SH 365 Segments 0032/0034 from FM 1016 (Conway Ave.) to SH 336 (10th St)
Exhibit B



HCRMA

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 208 McALEEN, TX 78504 (956)882-3877

CORRESPONDENCE DATE: AUGUST 19, 2013

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 provided by:			
<u>N/A</u>	1.2.1.1	Contact and Coordinate with PMC for ... <ul style="list-style-type: none"> • Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. 	
<u>PMC</u>	<u>DOS</u>	1.2.1.2	Obtain Survey Control Report that includes: Panel Point Data Control Sheets, Location Map and coordinate values.
		1.2.1.3	

1.2.2 Field Work Tasks.

To be provided by:			
	<u>DOS</u>	1.2.2.1	Locate, recover and flag panel points. (Existing on Ground)
	<u>DOS</u>	1.2.2.2	Survey and check horizontal and vertical coordinates on all recovered panel points using GPS RTK “Control Observation” procedures. (Existing on Ground)
		1.2.2.3	

1.2.3 Office Work / Delivery Preparation Tasks

To be provided by:			
	<u>DOS</u>	1.2.3.1	Prepare and submit a REVISED Survey Control Report that includes: <ul style="list-style-type: none"> • Panel Point Data Control Sheets, • Location Map and coordinate values of recovered panel points.
		1.2.3.2	



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RIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
BANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 209 McALEEN, TX 78504 (956)982-3177

CORRESPONDENCE DATE: AUGUST 19, 2013

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

<i>To be provided by:</i>					
<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: <ul style="list-style-type: none"> ● 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			



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GANNENBAUM - PROGRAM MANAGER
 1169 NOLANA LOOP, STE 200 McALEEN, TX 78504 (956)882-3577

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

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

	<u>DOS</u>	1.4.2.2	Stake adjacent preliminary or proposed ROW lines... <ul style="list-style-type: none"> • at all Deflection PI'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.
	<u>DOS</u>	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

<i>To be provided by:</i>			
	<u>DOS</u>	1.4.3.1	Provide PMC with Stakeout report
	<u>DOS</u>	1.4.3.2	Provide reports as per PMC request, i.e., Geographic Lat/Long of staked points.
		1.4.3.3	



N/A	3.1.2.3	<p>Survey CROSSING or intersecting Highways, Streets, Roads, and etc. for project DTM.</p> <ul style="list-style-type: none"> • Cross Section the above every 100' and at all break lines. • 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)
N/A	3.1.2.4	<p>Survey and Measure all above ground and visible topical objects and features within survey corridor for project PLANIMETRICS including but not limited to:</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • (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. <ul style="list-style-type: none"> • (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Cross Culvert Survey) • Drainage Ditch / Irrigation Canal / Flood Control Structures, i.e., gates, weirs, outfalls, spillways, culverts and etc. and flow line elevations below structure. <ul style="list-style-type: none"> • (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. <ul style="list-style-type: none"> • (See Exhibit B.5 for Utility Surveying Scope)
	3.1.2.5	

3.1.3 Office Work / Delivery Preparation Tasks

To be provided by:		
N/A	3.1.3.1	<p>Process all survey data using GEOPAC—MICROSTATION software and submit a digital...</p> <ul style="list-style-type: none"> • DAT file (project metadata) • TIN file (masspoints and breaklines) • 2d.DGN file (Project Planimetries) • 2d.DGN file (Project DTM and Contours)
N/A	3.1.3.2	<p>Submit a 1" = 50' scale hardcopy of project PLANIMETRICS showing line work and labels of all above ground and pertinent objects and features surveyed.</p>



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**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:

10th 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 provided by:				
PMC	DOS	3.2.1.1	Contact and Coordinate with PMC for... <ul style="list-style-type: none"> ● OBTAIN EXISTING AERIAL MAPPING digital files, maps, data and information. ● Review Existing Aerial Mapping digital files, maps, data and determination of the extent of In fills that will be necessary and/or needed. ● Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. ● Horizontal and Vertical projection, grid system and datum upon where the survey should be based. (see primary project control) 	
		3.2.1.2		
		3.2.1.3		

3.2.2 Field Work Tasks.

To be provided by:				
	DOS	3.2.2.1	Obtain elevation shots within the limits of the provided aerial photogrammetric DTM in areas left void or blank. <ul style="list-style-type: none"> ● Survey voids or blanks within aerial mapping limits. <ul style="list-style-type: none"> ○ (See Special or Mitigation Surveys for special and extended Topo Survey). 	
	DOS	3.2.2.2	Survey, cross section and/or obtain flow line elevation shots, inside Drainage ditches, Canals and Streams within the limits of the provided aerial photogrammetric DTM left void or blank. <ul style="list-style-type: none"> ● Cross Section the inside of the above every 100' and at all break lines. Obtain flow line elevation shots. ● Cross section the above within the aerial mapping limits and beyond aerial mapping limits 100' each side. <ul style="list-style-type: none"> ○ (See Special or Mitigation Surveys for special and extended Topo Survey) 	



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CORRESPONDENCE DATE: AUGUST 19, 2013

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

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

	<u>DOS</u>	3.2.3.2	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.
	<u>DOS</u>	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. Highlight new or updated information.



CORRESPONDENCE DATE: AUGUST 19, 2013

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 through which the proposed 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 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”)	
	DOS	4.3.2	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. <ul style="list-style-type: none"> • Insure that boundary map coincides with the project grid and datum control. • Insure that boundary map includes all easements, severances, or other exceptions that the “Abstracts of Title” or “Title Reports” yield. 	
	DOS	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 un-rationalized 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 **FINAL ROW FOOTPRINT** and then direct surveyor to start and complete the **Right of Way Mapping and Parcel Tract Plats** phase of the surveyor’s scope of services.



5.2 Field Work Tasks.

To be provided by:				
	<u>DOS</u>	5.2.1	<p>Complete the location of all above-ground utility features that may have been missed in Exhibit 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:</p> <ul style="list-style-type: none"> • 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. <p>(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...)</p>	
		5.2.2		
		5.2.3		

5.3 Office Work / Delivery Preparation Tasks

To be provided by:				
	<u>ENG.</u>	5.3.1	<p>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.</p>	
		5.3.2		
		5.3.3		



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DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 209 McALEN, TX 76804 (858)852-3877

CORRESPONDENCE DATE: AUGUST 19, 2013

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:

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

6.1.2.1 Coordination, Admin., Research and Abstracting Tasks.

<i>To be provided by:</i>				
<u>PMC / ENG.</u>	<u>DOS</u>	6.1.2.1.1	Contact and Coordinate with PMC and Design Engineer for...	
			<ul style="list-style-type: none"> 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.

<i>To be provided by:</i>				
	<u>DOS</u>	6.1.2.2.1	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

<i>To be provided by:</i>				
	<u>DOS</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		



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CORRESPONDENCE DATE: AUGUST 19, 2013

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 provided by:			
<u>ENG.</u>		6.1.4.1.1	Contact and Coordinate with... <ul style="list-style-type: none"> ● Irrigation District ● Drainage District ● IBWC ● Municipalities ...as to schedule for Potholing activities and Pothole locations designated by design engineers as possible conflict with project plans.
<u>ENG. / PMC</u>	<u>DOS</u>	6.1.4.1.2	Contact and Coordinate with PMC and Design Engineer for... <ul style="list-style-type: none"> ● 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	

6.1.4.2 Field Work Tasks.

To be provided by:			
<u>UTIL Co.</u>	<u>DOS</u>	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 provided by:			
<u>ENG.</u>		6.1.4.3.1	Update digital Utility (3D) Map produce in Exhibit B.5 Utility Surveys.
		6.1.4.3.2	
		6.1.4.3.3	



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 HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
 DANHENBAUM - PROGRAM MANAGER
 1109 NOLANA LOOP, STE 209 McALEEN, TX 78504 (956)852-3877

CORRESPONDENCE DATE: AUGUST 19, 2013

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.

<i>To be provided by:</i>					
<u>Others</u>		6.2.1.1	Contact and Coordinate with PMC and Environmental / Archeologist for...		
			<ul style="list-style-type: none"> ◆ Intended use of survey, Extent of survey, Accuracy required, required form of 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.

<i>To be provided by:</i>					
		6.2.2.1	N/A		
		6.2.2.2			
		6.2.2.3			

6.2.3 Office Work / Delivery Preparation Tasks

<i>To be provided by:</i>					
		6.2.3.1	N/A		
		6.2.3.2			
		6.2.3.3			



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HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 MCCLAIN LOOP, STE 200 McALLEN, TX 78504 (956)932-2577

CORRESPONDENCE DATE: AUGUST 19, 2013

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.

<i>To be provided by:</i>				
<u>PMC/Geo</u>	<u>DOS</u>	6.4.1.1	Contact and Coordinate with PMC and Geotech for...	
			<ul style="list-style-type: none"> ◆ 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.

<i>To be provided by:</i>				
	<u>DOS</u>	6.4.2.1	Stake out 125 bore holes / Field locate finished boreholes.	
		6.4.2.2		
		6.4.2.3		

6.4.3 Office Work / Delivery Preparation Tasks

<i>To be provided by:</i>				
		6.4.3.1	N/A	
		6.4.3.2		
		6.4.3.3		



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 provided by:		Task is Included (no color)	Task Not Included	modification needed	Task Not needed or performed by Others
<u>PMC</u>	<u>DOS</u>	7.1.1			Contact and Coordinate with PMC for... <ul style="list-style-type: none"> 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>	<u>DOS</u>	7.1.4			Review of the HCRMA Survey Manuel and Right of Way requirements and discuss... <ul style="list-style-type: none"> 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:					
	<u>DOS</u>	7.2.1			Monument the final project ROW lines... <ul style="list-style-type: none"> 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.
	<u>DOS</u>	7.2.2			Monument Parcel corners... <ul style="list-style-type: none"> 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)
	<u>DOS</u>	7.2.3			Verify that all planimetric features of existing topo and planimetrics within the staked parcel are current. <ul style="list-style-type: none"> Exercise special care in observing both structure and aerial encroachments such as overhead electric and telephone lines with cross-arms.



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 provided by:			
<u>PMC</u>	<u>DOS</u>	8.1.1	Contact and Coordinate with PMC... <ul style="list-style-type: none"> 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:			
	<u>DOS</u>	8.2.1	Set and establish Benchmarks along and 1’ inside one of the project’s ROW line at no more than 1000’ intervals. <ul style="list-style-type: none"> Set benchmarks by digging 9” 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.
	<u>DOS</u>	8.2.2	Survey each benchmark using GPS RTK “Control Observation” procedures for horizontal value.
	<u>DOS</u>	8.2.3	Survey each bench mark using 3 wire leveling procedures for vertical value.
	<u>DOS</u>	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. <ul style="list-style-type: none"> 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.



HCRMA

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 208 MOBILE, TX 78504 (956) 882-3877

CORRESPONDENCE DATE: AUGUST 19, 2013

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.

<i>To be provided by:</i>				
	<u>DOS</u>	9.1.1	Identify properties along, adjacent and crossing project that may require entry and obtain ownership and address information.	
	<u>DOS</u>	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.	
	<u>DOS</u>	9.1.3		

9.2 Field Work Tasks.

<i>To be provided by:</i>				
	<u>DOS</u>	9.2.1	If contact with property owner through mail out attempts fail, attempt personal visit to property owner.	
	<u>DOS</u>	9.2.2		
	<u>DOS</u>	9.2.3		

9.3 Office Work / Delivery Preparation Tasks

<i>To be provided by:</i>				
<u>PMC</u>	<u>DOS</u>	9.3.1	Prepare and address ROE letters and mail out via registered mail.	
<u>PMC</u>	<u>DOS</u>	9.3.2	Receive ROE letters from property owners and track responses on prescribed spreadsheet. (Permitted, not permitted, non respondents and etc.)	
	<u>DOS</u>	9.3.3	Prepare and submit Tax Parcel Map showing a graphical ownership ROE status report.	

DOS Land Surveying LLC
 Survey Services for the MCRMA
 WA No. 2
 Schedule Duration: May 1, 2012 to August 31, 2012

EXHIBIT 'D'
 Fee Schedule/Budget for
 Hidalgo County Regional Mobility Authority (MCRMA)
 Work Authorization No. 2
 SH 989 Surveying Services

SURVEY SERVICES DESCRIPTION	Registered Professional Land Surveyor	Survey Technician	CADD Operator	Admin. Clerical	3-Party Survey Crew						Total Labor Hrs.	Remarks	Total Cost
Section 7 - Right of Way Mapping and Parcel Tract Platting													
LUMP SUM FEE FOR 100 PARCELS AT \$3,100 PER PARCEL													
Funds for this service: 100 parcels estimated. Final number of parcels has not been determined.												Lump Sum	
7.1 Construction, Admin., Research and Abstracting Tasks												\$ 310,000	\$ 310,000.00
7.2 Field Work Tasks													
7.3 Office Work / Delivery Preparation Tasks													
Subtotal												0	0
Total Estimate												0	310,000.00
Total Estimate by Classification													
Contract Hourly Rate by Classification	\$ 112.50	\$ 68.00	\$ 72.00	\$ 42.25	\$ 138.13	\$ -	\$ -	\$ -	\$ -	\$ -			
Total Fee by Classification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
% Utilization by Over 6 months	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		CHECK BHSR:	0
% of Total Labor Hours	EDV(1)	EDV(2)	EDV(3)	EDV(4)	EDV(5)	EDV(6)	EDV(7)	EDV(8)	EDV(9)	EDV(10)		CHECK LABOR:	
% of Total Labor Cost	EDV(1)	EDV(2)	EDV(3)	EDV(4)	EDV(5)	EDV(6)	EDV(7)	EDV(8)	EDV(9)	EDV(10)		CHECK LABOR:	
TOTAL DIRECT LABOR COST													\$ 310,000
DIRECT EXPENSES													
Per Copy	Rate	Unit	Amount	Total									
Draw Copies	\$ 0.25	SHEET	88	\$ 24.00									\$ 24.00
Direct Expenses for Construction Staking	\$ 2,500.00	L.S.	1	\$ 2,500.00									\$ 2,500.00
				\$ -									\$ -
				\$ -									\$ -
				\$ -									\$ -
				\$ -									\$ -
				\$ -									\$ -
				\$ -									\$ -
				\$ -									\$ -
				\$ -									\$ -
TOTAL DIRECT EXPENSES				\$ 2,524.00									\$ 2,524
SPECIAL SERVICES FEE (SUBCONSULTANTS)													
None												DRS Participation	0.00%
Tasks Summary													
TOTAL SPECIAL SERVICES FEE (SUBCONSULTANTS)													
GRAND TOTAL												\$	312,524.00

**EXHIBIT H-2
Subprovider Monitoring System Commitment Agreement**

This commitment agreement is subject to the award and receipt of a signed contract from the Hidalgo County Regional Mobility Authority (Authority). **NOTE: Exhibit H-2 is required to be attached to each contract that does not include work authorizations. Exhibit H-2 is required to be attached with each work authorization. Exhibit H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: _____ and attach with the work authorization or supplemental work authorization.**

Contract #: _____ Assigned Goal: 12.2% Prime Provider Dos Land Surveying, LLC

Work Authorization (WA)#: 2 WA Amount: \$310,000.00 Date: _____

Supplemental Work Authorization (SWA) #: _____ to WA #: _____ SWA Amount: _____

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
FC Assistance with Survey	\$0
FC	\$0
Total Commitment Amount (Including all additional pages.)	\$0

IMPORTANT: The signatures of the prime and the DBE/HUB and Second Tier Subprovider, if any (both DBE and Non-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: <u>Eric C. Ybarra.</u> <i>(Please Print)</i> Title: <u>President</u> Signature _____ Date _____
DBE/HUB Sub Provider Subprovider Name: VID Number: Address: PH: _____; FX: _____ Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature _____ Date _____
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone #& Fax #: Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature _____ Date _____
VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).	



HCRMA
HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY

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.

Goal

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



CORRESPONDENCE DATE: AUGUST 19, 2013

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 provided by:			
<u>N/A</u>		1.2.1.1	Contact and Coordinate with PMC for ... <ul style="list-style-type: none"> • Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. •
<u>PMC</u>	<u>QHA</u>	1.2.1.2	Obtain Survey Control Report that includes: Panel Point Data Control Sheets, Location Map and coordinate values.
		1.2.1.3	

1.2.2 Field Work Tasks.

To be provided by:			
	<u>QHA</u>	1.2.2.1	Locate, recover and flag panel points. (Existing on Ground)
	<u>QHA</u>	1.2.2.2	Survey and check horizontal and vertical coordinates on all recovered panel points using GPS RTK “Control Observation” procedures. (Existing on Ground)
		1.2.2.3	

1.2.3 Office Work / Delivery Preparation Tasks

To be provided by:			
	<u>QHA</u>	1.2.3.1	Prepare and submit a <u>REVISED Survey Control Report</u> that includes: <ul style="list-style-type: none"> • <u>Panel Point Data Control Sheets,</u> • <u>Location Map and coordinate values of recovered panel points.</u>
		1.2.3.2	



HCRMA
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BANNENBAUM - PROGRAM MANAGER
1109 MOLANA LOOP, STE 200 McALEEN, TX 78504 (956)982-3677

CORRESPONDENCE DATE: AUGUST 19, 2013

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: <ul style="list-style-type: none">● 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		



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CORRESPONDENCE DATE: AUGUST 19, 2013

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>	1.4.2.2	Stake adjacent preliminary or proposed ROW lines... <ul style="list-style-type: none"> ● at all Deflection PI'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.
	<u>QHA</u>	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

<i>To be provided by:</i>			
	<u>QHA</u>	1.4.3.1	Provide PMC with Stakeout report
	<u>QHA</u>	1.4.3.2	Provide reports as per PMC request, i.e., Geographic Lat/Long of staked points.
		1.4.3.3	



N/A	3.1.2.3	<p>Survey CROSSING or intersecting Highways, Streets, Roads, and etc. for project DTM.</p> <ul style="list-style-type: none"> • Cross Section the above every 100' and at all break lines. • 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)'
N/A	3.1.2.4	<p>Survey and Measure all above ground and visible topical objects and features within survey corridor for project PLANIMETRICS including but not limited to:</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> ○ (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. <ul style="list-style-type: none"> ○ (See Exhibit B.6 Special or Mitigation Surveys for special and detailed Cross Culvert Survey) • Drainage Ditch / Irrigation Canal / Flood Control Structures, i.e., gates, weirs, outfalls, spillways, culverts and etc. and flow line elevations below structure. <ul style="list-style-type: none"> ○ (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. <ul style="list-style-type: none"> ○ (See Exhibit B.5 for Utility Surveying Scope)
	3.1.2.5	

3.1.3 Office Work / Delivery Preparation Tasks

To be provided by:			
N/A	3.1.3.1	<p>Process all survey data using GEOPAC— MICROSTATION software and submit a digital...</p> <ul style="list-style-type: none"> • DAT file (project metadata) • TIN file (masspoints and breaklines) • 2d.DGN file (Project Planimetries) • 2d.DGN file (Project DTM and Contours) 	
N/A	3.1.3.2	<p>Submit a 1"= 50' scale hardcopy of project PLANIMETRICS showing line work and labels of all above ground and pertinent objects and features surveyed.</p>	



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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 provided by:				
PMC	QHA	3.2.1.1	Contact and Coordinate with PMC for... <ul style="list-style-type: none"> • OBTAIN EXISTING AERIAL MAPPING digital files, maps, data and information. • Review Existing Aerial Mapping digital files, maps, data and determination of the extent of In-fills that will be necessary and/or needed. • Intended use of survey, Extent of survey, Accuracy required, required form of deliverable and method of display, files required and etc. • Horizontal and Vertical projection, grid system and datum upon where the survey should be based. (see primary project control) 	
		3.2.1.2		
		3.2.1.3		

3.2.2 Field Work Tasks.

To be provided by:				
	QHA	3.2.2.1	Obtain elevation shots within the limits of the provided aerial photogrammetric DTM in areas left void or blank. <ul style="list-style-type: none"> • Survey voids or blanks within aerial mapping limits. <ul style="list-style-type: none"> ○ (See Special or Mitigation Surveys for special and extended Topo Survey). 	
	QHA	3.2.2.2	Survey, cross section and/or obtain flow line elevation shots, inside Drainage ditches, Canals and Streams within the limits of the provided aerial photogrammetric DTM left void or blank. <ul style="list-style-type: none"> • Cross Section the inside of the above every 100' and at all break lines. Obtain flow line elevation shots. • Cross section the above within the aerial mapping limits and beyond aerial mapping limits 100' each side. <ul style="list-style-type: none"> ○ (See Special or Mitigation Surveys for special and extended Topo Survey) 	

PMC Survey Coordinator

James Aranda, R.P.L.S.

02_B.3 TOPO-QHA Scope of Service

Page 4



HCRMA

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 200 McALEEN, TX 78504 (956)852-3877

CORRESPONDENCE DATE: AUGUST 19, 2013

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>	3.2.3.2	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.
	<u>QHA</u>	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. Highlight new or updated information.



CORRESPONDENCE DATE: AUGUST 19, 2013

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	<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)
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4.2 Field Work Tasks.

<i>To be provided by:</i>			
	<u>QHA</u>	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.
	<u>QHA</u>	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

<i>To be provided by:</i>			
	<u>QHA</u>	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”)
	<u>QHA</u>	4.3.2	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. <ul style="list-style-type: none"> ● Insure that boundary map coincides with the project grid and datum control. ● Insure that boundary map includes all easements, severances, or other exceptions that the “Abstracts of Title” or “Title Reports” yield.
	<u>QHA</u>	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 un-rationalized 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 **FINAL ROW FOOTPRINT** and then direct surveyor to start and complete the **Right of Way Mapping and Parcel Tract Plats** phase of the surveyor’s scope of services.



HCRMA

HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
DANNENBAUM - PROGRAM MANAGER
 1189 NOLANA LOOP, STE 209 MCALEEN, TX 78504 (959)882-3677

CORRESPONDENCE DATE: AUGUST 19, 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 provided by:				
	<u>QHA</u>	5.2.1	<p>Complete the location of all above ground utility features that may have been missed in Exhibit 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:</p> <ul style="list-style-type: none"> • 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. <p>(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...)</p>	
		5.2.2		
		5.2.3		

5.3 Office Work / Delivery Preparation Tasks

To be provided by:				
	<u>ENG.</u>	5.3.1	<p>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.</p>	
		5.3.2		
		5.3.3		



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.

<i>To be provided by:</i>				
PMC / ENG.	QHA	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.

<i>To be provided by:</i>				
	QHA	6.1.2.2.1	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	
		6.1.2.2.2		
		6.1.2.2.3		

6.1.2.3 Office Work / Delivery Preparation Tasks

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



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 provided by:			
<u>ENG.</u>		6.1.4.1.1	Contact and Coordinate with... <ul style="list-style-type: none"> • Irrigation District • Drainage District • IBWC • Municipalities ... as to schedule for Potholing activities and Pothole locations designated by design engineers as possible conflict with project plans.
<u>ENG / PMC</u>	<u>QHA</u>	6.1.4.1.2	Contact and Coordinate with PMC and Design Engineer for... <ul style="list-style-type: none"> • 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	

6.1.4.2 Field Work Tasks.

To be provided by:			
<u>UTIL Co.</u>	<u>QHA</u>	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 provided by:			
<u>ENG.</u>		6.1.4.3.1	Update digital Utility (3D) Map produce in Exhibit B.5 Utility Surveys.
		6.1.4.3.2	
		6.1.4.3.3	



HCRMA

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DANNENBAUM - PROGRAM MANAGER
1109 NOLANA LOOP, STE 209 McALEEN, TX 78504 (956)852-3577

CORRESPONDENCE DATE: AUGUST 19, 2013

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.

<i>To be provided by:</i>					
<u>Others</u>		6.2.1.1	Contact and Coordinate with PMC and Environmental / Archeologist for...		
			<ul style="list-style-type: none"> • Intended use of survey, Extent of survey, Accuracy required, required form of 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.

<i>To be provided by:</i>					
		6.2.2.1	N/A		
		6.2.2.2			
		6.2.2.3			

6.2.3 Office Work / Delivery Preparation Tasks

<i>To be provided by:</i>					
		6.2.3.1	N/A		
		6.2.3.2			
		6.2.3.3			



CORRESPONDENCE DATE: AUGUST 19, 2013

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 provided by:				
<u>PMC/Geo</u>	<u>QHA</u>	6.4.1.1	Contact and Coordinate with PMC and Geotech for... <ul style="list-style-type: none"> ◆ 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 provided by:				
	<u>QHA</u>	6.4.2.1	Stake out 28 bore holes / Field locate finished boreholes	
		6.4.2.2		
		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		



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CORRESPONDENCE DATE: AUGUST 19, 2013

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 provided by:				
<u>PMC</u>	<u>QHA</u>	7.1.1	Contact and Coordinate with PMC for... <ul style="list-style-type: none"> 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>	<u>QHA</u>	7.1.4	Review of the HCRMA Survey Manuel and Right of Way requirements and discuss... <ul style="list-style-type: none"> 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:				
	<u>QHA</u>	7.2.1	Monument the final project ROW lines... <ul style="list-style-type: none"> 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. 	
	<u>QHA</u>	7.2.2	Monument Parcel corners... <ul style="list-style-type: none"> 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) 	
	<u>QHA</u>	7.2.3	Verify that all planimetric features of existing topo and planimetrics within the staked parcel are current. <ul style="list-style-type: none"> Exercise special care in observing both structure and aerial encroachments such as overhead electric and telephone lines with cross-arms. 	

PMC Survey Coordinator

James Aranda, R.P.L.S.

02_B.7 ROW MAPPING-QHA Scope of Service

Page 2



HCRMA
 HIDALGO COUNTY REGIONAL MOBILITY AUTHORITY
 DANNENBAUM - PROGRAM MANAGER
 1109 NOLANA LOOP, STE 200 McALEEN, TX 78504 (957)882-3577

CORRESPONDENCE DATE: AUGUST 19, 2013

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 provided by:			
<u>PMC</u>	<u>QHA</u>	8.1.1	Contact and Coordinate with PMC... <ul style="list-style-type: none"> 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:			
	<u>QHA</u>	8.2.1	Set and establish Benchmarks along and 1’ inside one of the project’s ROW line at no more than 1000’ intervals. <ul style="list-style-type: none"> 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.
	<u>QHA</u>	8.2.2	Survey each benchmark using GPS RTK “Control Observation” procedures for horizontal value.
	<u>QHA</u>	8.2.3	Survey each bench mark using 3-wire leveling procedures for vertical value.
	<u>QHA</u>	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. <ul style="list-style-type: none"> 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.



CORRESPONDENCE DATE: AUGUST 19, 2013

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:			
	<u>QHA</u>	9.1.1	Identify properties along, adjacent and crossing project that may require entry and obtain ownership and address information.
	<u>QHA</u>	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.
	<u>QHA</u>	9.1.3	

9.2 Field Work Tasks.

To be provided by:			
	<u>QHA</u>	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	
	<u>QHA</u>	9.2.3	

9.3 Office Work / Delivery Preparation Tasks

To be provided by:			
<u>PMC</u>	<u>QHA</u>	9.3.1	Prepare and address ROE letters and mail out via registered mail.
<u>PMC</u>	<u>QHA</u>	9.3.2	Receive ROE letters from property owners and track responses on prescribed spreadsheet. (Permitted, not permitted, non respondents and etc.)
	<u>QHA</u>	9.3.3	Prepare and submit Tax Parcel Map showing a graphical ownership ROE status report.

Quintanilla, Heasley and Associates, Inc.
 Survey Services for the HCRMA
 Work Authorization No. 2
 Schedule Duration: August 1, 2014 to August 31, 2014

EXHIBIT 'D'
 Fee Schedule/Budget for
 Hidalgo County Regional Mobility Authority (HCRMA)
 Work Authorization No. 2
 SH 268 Surveying Services

SURVEY SERVICES DESCRIPTION	Registered Professional Land Surveyor	Survey Tech	CAD Tech	CAD Workstation with Printer	3 Person Field Party					Total Labor Hrs.	Remarks	Task Cost
Section 7 - Right of Way Mapping and Parcel Trust Platting												
1.000 Right of Way Mapping (R/W) - 500' x 500' Grid												Lump Sum
Units for this service, 50 parcels estimated. Final number of parcels may not have been determined.											\$	310,000.00
7.1 Coordination, Admin., Research and Kiosking Tasks												
7.2 Field Work Tasks												
7.3 Office Work / Delivery Preparation Tasks												
Subtotal	0	0	0	0	0	0	0	0	0	0		\$ 310,000.00
Total Manhours by Classification												
Contract Hourly Rate by Classification	\$ 105.00	\$ 68.75	\$ 55.00	\$ 55.00	\$ 191.25	\$ -	\$ -	\$ -	\$ -	\$ -		
Total Fee by Classification	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
% Allocation by Over 6 months	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		CHECK (00000)
% of Total Labor Hours	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)		CHECK LABOR/HR
% of Total Labor Cost	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)	(000/0)		\$ -
TOTAL DIRECT LABOR COST												\$ 310,000.00
DIRECT EXPENSE	Rate	Unit	Amount	Total								
		LB	1 \$	\$ -								\$ -
				\$ -								\$ -
				\$ -								\$ -
				\$ -								\$ -
				\$ -								\$ -
				\$ -								\$ -
				\$ -								\$ -
				\$ -								\$ -
TOTAL DIRECT EXPENSES				\$ -								\$ -
SPECIAL SERVICES FEE (SUBCONSULTANTS)												
None											\$600 Participation 0.00%	
TOTAL SPECIAL SERVICES FEE (SUBCONSULTANTS)												
GRAND TOTAL												\$ 310,000.00

EXHIBIT H-2

Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Hidalgo County Regional Mobility Authority (Authority). **NOTE: Exhibit H-2 is required to be attached to each contract that does not include work authorizations. Exhibit H-2 is required to be attached with each work authorization. Exhibit H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: _____ and attach with the work authorization or supplemental work authorization.**

Contract #: _____ Assigned Goal: 12.2% Prime Provider Quintanilla, Headley & Associates Inc.

Work Authorization (WA)#: 2 WA Amount: \$310,000.00 Date: _____

Supplemental Work Authorization (SWA) #: _____ to WA #: _____ SWA Amount: _____

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
Survey	\$68,200.00
FC	\$0
Total Commitment Amount (Including all additional pages.)	\$0

IMPORTANT: The signatures of the prime and the DBE/HUB and Second 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 Inc. Address: 124 E. Stubbs Edinburg, Texas 78539 VID Number: 17426481671 PH: (956) 381-6480; FX: (956) 381-0527 Email: alfonsoq@qhaengineering.com	Name: _____ Alfonso Quintanilla (Please Print) Title: _____ President Signature _____ 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	Name: _____ Carlos Vasquez (Please Print) Title: _____ President Signature _____ Date _____
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone #& Fax #: Email:	Name: _____ (Please Print) Title: _____ Signature _____ Date _____
VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).	

EXHIBIT H-2

Subprovider Monitoring System Commitment Agreement

This commitment agreement is subject to the award and receipt of a signed contract from the Hidalgo County Regional Mobility Authority (Authority). **NOTE: Exhibit H-2 is required to be attached to each contract that does not include work authorizations. Exhibit H-2 is required to be attached with each work authorization. Exhibit H-2 is also required to be attached to each supplemental work authorization. If DBE/HUB Subproviders are used, the form must be completed and signed. If no DBE/HUB Subproviders are used, indicate with "N/A" on this line: _____ and attach with the work authorization or supplemental work authorization.**

Contract #: _____ Assigned Goal: 12.2% Prime Provider Quintanilla, Headley & Associates Inc.

Work Authorization (WA)#: 2 WA Amount: \$310,000.00 Date: _____

Supplemental Work Authorization (SWA) #: _____ to WA #: _____ SWA Amount: _____

Revised WA Amount: _____

Description of Work <i>(List by category of work or task description. Attach additional pages, if necessary.)</i>	Dollar Amount <i>(For each category of work or task description shown.)</i>
Engineering-Related Tasks	\$68,200.00
FC	\$0
Total Commitment Amount (Including all additional pages.)	\$0

IMPORTANT: The signatures of the prime and the DBE/HUB and Second 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 Inc. Address: 124 E. Stubbs Edinburg, Texas 78539 VID Number: 17426481671 PH: (956) 381-6480; FX: (956) 381-0527 Email: alfonsoq@qhaengineering.com	Name: _____ Alfonso Quintanilla <i>(Please Print)</i> Title: _____ President Signature _____ Date _____
DBE/HUB Sub Provider Subprovider Name: Javier Hinojosa Engineering VID Number: 74-2865301 (Federal I.D.) Address: 416 E. Dove Avenue McAllen, TX 78504 PH: (956) 668-1588; FX: (956) 994-8102 Email: javhin@rgv.rr.com	Name: _____ Javier Hinojosa <i>(Please Print)</i> Title: _____ President Signature _____ Date _____
Second Tier Sub Provider Subprovider Name: VID Number: Address: Phone #& Fax #: Email:	Name: _____ <i>(Please Print)</i> Title: _____ Signature _____ Date _____
VID Number is the Vendor Identification Number issued by the Comptroller. If a firm does not have a VID Number, please enter the owner's Social Security or their Federal Employee Identification Number (if incorporated).	