

EXHIBIT "F"
Supplemental Agreement Form

THE STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

**SUPPLEMENTAL AGREEMENT NO. 4
TO WORK AUTHORIZATION NO. 2
TO AGREEMENT FOR PROFESSIONAL SERVICES
C-12-126-10-16**

This **SUPPLEMENTAL AGREEMENT** is made pursuant to the terms and conditions of Article 8 of the Agreement made by and between **HIDALGO COUNTY**, hereinafter called the "**Owner**", and **L&G ENGINEERING**, professional engineers of Mercedes, Texas, hereinafter called the "**Engineer**".

WITNESSETH

WHEREAS, the **Owner** and the **Engineer** executed the Main Contract Agreement on the 16th day of October 2012, concerning professional engineering services for the "**10th Street Expansion** project from SH 107 to FM 1925 for the preparation of PS&E hereinafter referred to as the "**Project**"; and,

WHEREAS, it has become necessary to amend "*Exhibit B – Services to be provided by the Engineer*" of Work Authorization No. 2, Article 2 of the Agreement – Scope of Work as identified below:

- *Abatement and Demolition of Guardhouse and Wall*
- *Recovery & Re-establish ROW line of 10th Street from Schunior to FM 1925*
- *Stake corners of 12 Parcels to define encroachments*
- *Subsurface Utility Engineering - 25 Spot Elevation of Calpine Effluent Line (42")*
- *Redesign of the storm drain system to avoid conflict with the Calpine 42" Effluent Line*

WHEREAS, it has become necessary to revise the "*Exhibit C – Work Schedule*" of Work Authorization No. 2, Article 2, 2.3 of the Agreement – Work Schedule to allow additional time to perform the tasks listed above; and,

WHEREAS, it has become necessary to amend "*Exhibit D-1 – Project Estimated Fee Schedule*" of Work Authorization No. 2, Part 2 of the Agreement – Estimated Cost, to increase the original Work Authorization amount of **\$2,235,398.60 to \$2,353,339.44**; therefore the amount of **Supplemental No. 4 is \$ 117,940.84.**

A. AGREEMENT

NOW THEREFORE, premises considered, the **Owner** and the **Engineer** agree that said **Agreement** is amended as follows:

- I. Sections of the Agreement, EXHIBIT "B" – SERVICES TO BE PROVIDED BY THE ENGINEER, EXHIBIT "C" – WORK SCHEDULE and EXHIBIT "D-1" – PROJECT ESTIMATED FEE SCHEDULE, are revised to reflect the above listed modifications of this Supplemental.

All other provisions are unchanged and remain in full force and effect.

IN WITNESS WHEREOF, the Engineer and the Owner have caused this Supplemental Agreement to the Agreement for Professional Services to be executed as of the 6th day of February, 2017.

THE ENGINEER:
ENGINEER

BY: [Signature]
Jacinto Garza, P.E., President

THE OWNER:
HIDALGO COUNTY

BY: Ramon Garcia
Ramon Garcia, County Judge

LIST OF EXHIBITS:

- EXHIBIT A – "Services to be provided by County"
- EXHIBIT B – "Services to be provided by Engineer"
- EXHIBIT C – "Work Schedule"
- EXHIBIT D-1 – "Project Estimated Fee Schedule"

APPROVED BY
COMMISSIONERS' COURT
ON: 2/6/17 [Signature]

EXHIBIT "A"
Services to be provided by the County

1. The County will issue work authorization to initiate all required services and designate the authorized representative of the coordination of each work authorization.
2. The County will provide copies of all subdivision plats of record and/or in the subdivision process.
3. The County will provide the Engineer with on-going guidance, timely reviews, and decisions necessary to complete services required by the work authorization in order to permit the Engineer to maintain an agreed upon project schedule.
4. The County will process all acceptable requests for payment in a timely manner.

AAMECC LLC

1327 E. Washington Ave. #242, Harlingen, TX 78550

January 3, 2017

Corina A. Argullin
L&G Engineering
2100 W. Expressway 83
Mercedes, TX 78570
(956) 565-9813 ext. 206(O)
cargullin@lgengineers.com

Re: ACM/LBP Assessment, Abatement Consulting and Demolition
Guard Shack and Block Wall
Intersection of 107 & Las Alamedas Rd
Edinburg, TX 78539
AAMECC Project No. 15-842

Dear Ms. Argullin:

AAMECC, a Texas Department of State Health Services (DSHS) Licensed Asbestos Consultant Agency (DSHS No. 10-0495) is pleased to submit the following proposal to provide an asbestos survey and lead based paint (LBP) analysis for the above referenced property. The proposed scope of work, the proposed budget, and our anticipated work schedule is outlined below.

SCOPE OF WORK

AAMECC presents the following six (6) tasks: **first**, a comprehensive asbestos survey; **second**, a lead based paint inspection; **third**, a project report; **fourth**, asbestos abatement consulting services; **fifth**, fluorescent light removal and disposal; and **sixth**, demolition.

If the onsite investigation indicates reason to believe that other potential environmental hazards are present; then, appropriate additional investigation will be recommended by AAMECC.

Task 1.0 Asbestos Containing Materials (ACM) Survey

A Texas Department of State Health Services (DSHS) licensed asbestos inspector will conduct a visual inspection of the facility for suspect asbestos containing materials (ACM). The inspector will collect bulk samples of suspect materials. The sampled materials will be delivered to a DSHS licensed laboratory and subjected to polarized light microscopy (PLM) analysis for asbestos fiber identification.

Task 2.0 Lead Based Paint (LBP) Inspection

The inspector will collect bulk samples of suspect materials. Paint samples will be collected from four (4) representative areas. The sampled materials will be delivered to a qualified laboratory and subjected to analysis by method SW-846 6010B.

Task 3.0 Report

Upon completion of Task 1.0, and 2.0 AAMECC will prepare a written report documenting our findings. Unless directed otherwise, AAMECC, and you will be the only recipient of our report, and no copies will be distributed without your prior approval.

Task 4.0 Asbestos Abatement Consulting Services

AAMECC will provide abatement specifications by a DSHS licensed consultant, project monitoring, air monitoring and written report.

Task 5.0 Contents Removal

AAMECC will provide removal and disposal of the boxes of fluorescent lights (some broken some intact).

Task 6.0 Demolition

AAMECC will provide demolition services including: the guard shack, canopy and entrance block walls: **first**, a DSHS Demolition Notification will be submitted; **second**, the demolition will be conducted in compliance with the EPA NESHAPs Regulations; **third**, the demolition will include the removal and disposal of the above ground structures and concrete foundations; and **fourth**, the site will be leveled to grade without any additional backfill.

PROPOSED BUDGET

AAMECC proposes to carry out the above services based on the following details:

Tasks 1.0 to 3.0 (2 weeks)

Asbestos Consultant (4 hrs @ \$80/hr)	\$ 320
Technician (6 hrs @ \$50/hr)	300
Light Truck (per day)	65
PLM Sample Analysis (11 samples @ \$25/each)	100
LBP Sample Analysis (4 samples @ \$40/each)	160
Sample Delivery (lump sum)	25
SUBTOTAL	\$970

Task 4.0 (3 weeks)

Asbestos Consultant for Specifications (8 hrs @ \$80/hr)	\$ 640
Project Monitoring (2 hrs @ \$50/hr)	100
Air Monitoring Technician (16 hrs @ \$50/hr)	800
Light Truck (2 days at \$65/day)	130
PCM Sample Analysis (10 samples @ \$10/each)	100
Project Report (4 hrs @ \$50/hr)	200
SUBTOTAL	\$1,970

Task 5.0 (3 weeks)

Remove and dispose of fluorescent lighting (200 boxes @ \$50/box)	10,000
SUBTOTAL	\$10,000

Task 6.0 (2 weeks)

Remove and dispose of structure and foundation (lump sum)	9,500
Remove and dispose of block walls and foundation (lump sum)	5,500
SUBTOTAL	\$15,000

GRAND TOTAL	\$27,940
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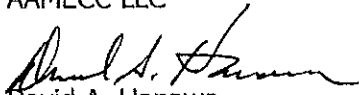
SCHEDULE

AAMECC is prepared to initiate this project immediately and submit the DSHS Notification Form.

Should this proposal meet with your approval, please issue a purchase order.

Sincerely,

AAMECC LLC



David A. Hanawa

DSHS Individual Asbestos Consultant No: 10-5367

A&M Environmental, LLC
6536 Supply Row
Houston, Texas 77011

Phone (713) 678-7519
Fax (713) 921-7513

Bid Proposal

January 3, 2017

To: Ms. Corina A. Argullin
L&G Engineering
2100 W. Expressway 83
Mercedes, Texas 78570

Re: Guard Shack & Block Wall (Asbestos Abatement)
Intersection of 1107 & Las Alamedas Rd.
Edinburg, Texas 78739

Dear Ms. Argullin:

A&M Environmental, LLC (A&M) proposes to furnish all labor, tools, equipment and other necessary supplies for the removal and disposal of all asbestos materials above 1% in asbestos content and identified within the asbestos survey conducted by Resource Environmental Consulting, Inc at the above mentioned location. This Proposal is figured utilizing "One" 1 mobilization, working day shifts. Working hours are to be: 8:00 am – 5:00pm, Monday – Friday and does not include working nights, weekends or holidays.

A&M will complete said abatement project within "Ten" 10 working day(s). Each working day should not exceed "Eight" 8 working hours.

A&M Will Be Provided With: Electric service, construction water and toilet facilities for the duration of said abatement project. (See Line Item)

A&M will furnish: "Regulatory Workman's Compensation," "Automotive Liability Insurance," and General Liability Insurance," including risks associated with "Asbestos Abatement." Limits are "Five Million" \$5,000,000.00 combined single limit with the policy written on an occurrence basis.

This proposal does not include: Removal or disposal of any construction debris, State, County or Local Taxes such as but not limited to "ARU" fees, consulting fees, or specifications fees.

Terms of payment: Payment to A&M Environmental, LLC shall be paid in full upon completion of said asbestos abatement project, with No Retainage being withheld for any amount of time.

Bid Proposal

January 3, 2017

Re: Guard Shack & Block Wall (Asbestos Abatement)
Intersection of 1107 & Las Alamedas Rd.
Edinburg, Texas 78739

Base Bid Proposal

A&M Environmental, LLC proposes to complete said project for the total of "Six Thousand Eight Hundred Seventy Dollars" \$6,870.00.

Line Item

Owner of property, or owner's appointed representative having the authorization for Power of Attorney granted by said owner, acknowledges reading and understanding this proposal and all terms set forth within said proposal. Signing of this proposal authorizes A&M Environmental, LLC to proceed forward with said project, utilizing terms set forth within this bid proposal and further indicates that all parties agree, authorize and recognize this bid proposal to become a binding contract.

It is further understood that any deviation from the terms set forth within this proposal must be agreed to in writing and signed by all parties. Verbal agreements pertaining to or deviating from the terms of this proposal shall not become binding upon either party.

Read, Understood and Accepted,

By: _____ Date: _____

Printed Name & Title: _____

Authorized Representative Of: _____

Respectfully Submitted,

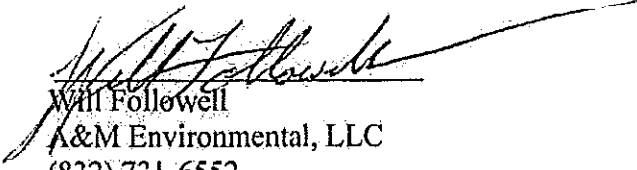

Will Followell
A&M Environmental, LLC
(832) 731-6552

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 5 - RIGHT-OF-WAY DATA

(Function Code 130- Recover Existing Project Control and Abstract Research for 12 Parcels)

Services
Provided By:
SURVEYOR CITY/COUNTY

NOTE: No work involving right-of-way (ROW) data is to be performed until the ENGINEER has given the SURVEYOR written approval of the final location of the proposed ROW lines as approved by TxDOT and the CITY.

A. RIGHT-OF-WAY MAPPING:

1. PURPOSE:

The purpose of right-of-way mapping is to prepare documents suitable for the acquisition of real property interests and the probable issuance of a title policy.

2. DEFINITIONS:

For purposes of this Contract, the following definitions shall apply:

- 2.1. Abstract Map – A drawing to scale prepared from record documents depicting proposed right-of-way lines, existing right-of-way lines, easement lines, and private property lines with relevant grantee names, recording data, and recording dates.
- 2.2. Closure/Area Calculation Sheet – A computer generated print-out of the area and the perimeter bearings, distances, curve data, and coordinates of an individual parcel of land to be acquired.
- 2.3. Access Denial Line – A line which indicates specific location where access to the roadway is denied.
- 2.4. Property Descriptions – A written metes and bounds description delineating the area and the boundary and describing the location of an individual parcel of land unique to all other parcels of land.
- 2.5. Owner – The most current title holder of record as determined by a study of the Real Property Records.
- 2.6. Parcel Plat – An 8 ½ inch by 11 inch drawing to scale depicting all the information shown on the right-of-way map regarding an individual parcel of land to be acquired.
- 2.7. Parent Tract – A unit or contiguous units of land under one ownership, comprising a single marketable tract of land consistent with the principle of highest and best use. A parent tract may be described by a single instrument or several instruments. A single parent tract cannot be severed by a public right-of-way, easement, or separate ownership which destroys unity of use.
- 2.8. Parent Tract Inset – A small line drawing, to an appropriate scale, of the parent tract perimeter placed upon the right-of-way map in the proximity of the respective parcel. Parent tract insets are used in cases where the parent tract cannot be shown to the same scale as the right-of-way map. Since parent tract insets are used to identify the limits and location of parent tracts, they should include public right-of-ways, utility easements and fee strips, and identifiable water courses which bound the parent tract.
- 2.9. Point of Beginning (P.O.B.) – A corner of the parcel of land to be acquired, located on the proposed right-of-way line and being the beginning terminus of the first course of the property description.
- 2.10. Point of Commencing (P.O.C.) – A monumented property corner which can be identified in the Real Property Records and is located outside the proposed right-of-way corridor. For title purposes, the point of commencing should be a monumented back corner of the parent tract. In the event a monumented back corner of the parent tract cannot be recovered, the nearest identifiable monumented property corner located outside the proposed right-of-way corridor may be used.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

- 2.11. Preliminary Right-of-Way Layout/Abstract Map – A drawing to scale depicting proposed right-of-way lines, existing right-of-way lines, proposed pavement, access denial lines, the proposed centerline alignment, private property lines, easement lines, visible improvements, visible utilities, the station and offset from the centerline alignment to each Point of Curvature (PC), Point of Tangency (PT), and angle point in the proposed right-of-way lines and to each PC, PT, and angle point in the existing right-of-way lines in areas of no proposed acquisition. *(Reference Sample Attached)*
- 2.12. Right-of-Way Maps/Property Description/Parcel Plats – A series of 22 inch by 34 inch and 11 inch by 17 inch drawings to scale depicting the results of relevant elements of records research, field work, analysis, computation, and map making required to determine title, delineate areas and boundaries, locate and describe utilities and improvements to the extent necessary to appraise the value and negotiate the acquisition of individual parcels of private land for a proposed right-of-way project. *(Reference Sample Attached)*

3. **WORK TO BE PERFORMED:**

NA

3.1. Preliminary Right-of-Way Layout/Abstract Map:

An abstract map shall be prepared sufficient to determine the following:

- 3.1.1. Any and all interests of public record held in the land to be acquired.
- 3.1.2. The total record holdings of an owner contiguous to land to be acquired from that owner.
- 3.1.3. Any and all interests in land to be acquired held in common (shopping mall parking lots, subdivision reserves, etc.)
- 3.1.4. Any and all improvements proposed by other agencies which may have a bearing on project development.
- 3.1.5. All called monuments, bearings, and distances as per recorded information.
- 3.1.6. Preliminary Parcel numbering system.
- 3.1.7. Any and all utilities (permitted or of record)
- 3.1.8. Reference Sample provided.

NA

3.2. Right-of-Way Map:

The SURVEYOR shall field locate property corners, existing right-of-way markers, improvements, visible utilities, verify and update the planimetric file, if provided, and as directed by the ENGINEER.

A right-of-way map shall be prepared for each proposed right-of-way project. A right-of-way map shall include a title sheet, an index sheet, a survey control index sheet, a horizontal and vertical control data sheet, and sufficient plan sheets to cover the proposed project, or as directed by the ENGINEER. The STATE has developed standard title sheets, index sheets, and plan sheets, copies of which the SURVEYOR shall request and secure for all purposes of this Contract. Plan sheets shall include, but need not be limited to, the following items of information. By mutual agreement between the Texas Board of Professional Land Surveying and the TxDOT, right-of-way maps need not be signed and sealed by a Registered Professional Land Surveyor.

- 3.2.1. Proposed right-of-way lines shall be delineated with appropriate bearings, distances, and curve data. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.
- 3.2.2. Existing right-of-way lines shall be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY
NA _____

3.2 *Right-of-Way Map Continued (continued)*

- 3.2.3. The proposed project baseline alignment shall be delineated with appropriate bearings, distances, and curve data. Curve data shall include the station of the curve Point of Intersection (PI), radius, delta angle, arc length, tangent length, long chord bearing and distance, and the N and E coordinates of the curve PI. All alignment PCs, PTs, and even 500 foot stations shall be labeled as to station.
- 3.2.4. Proposed paving lines combined with relevant existing paving lines shall be shown to the extent necessary to compile a complete picture of proposed traffic movements. Proposed paving on the final mylars submitted to the ENGINEER shall be shaded with a dot pattern or highlighted by some other means acceptable to the ENGINEER.
- 3.2.5. Access denial lines shall be shown sufficiently to indicate areas where access is to be denied and where access is to be permitted if required by the ENGINEER.
- 3.2.6. Private property lines shall be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired. Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance.
- 3.2.7. Porción lines, subdivision lines and survey lines shall be shown and identified by name and Porción number.
- 3.2.8. County lines and city limit lines shall be located and identified by name.
- 3.2.9. A north arrow shall be shown on each sheet, and, if possible, located in the upper right corner of the sheet.
- 3.2.10. Monumentation set or found shall be shown and described as to material and size.
- 3.2.11. A station and offset shall be shown for each PC, PT, and angle point in the proposed right-of-way lines. Stations and offsets shall be with respect to the proposed centerline alignment.
- 3.2.12. Intersecting and adjoining public right-of-ways shall be shown and identified by name, right-of-way width, and recording data.
- 3.2.13. Railroads shall be shown and identified by name, right-of-way width, and recording data.
- 3.2.14. Utility corridors shall be identified as to easement or fee and recording information shall be identified.
- 3.2.15. Easements and fee strips shall be shown and identified by width, owner, distance of easement to a property corner of the parent track, and recording data.
- 3.2.16. Building lines or set-back lines shall be shown and identified.
- 3.2.17. Visible improvements located within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be shown and identified.
- 3.2.18. Structures shall be identified as commercial or residential, by number of stories, and as to type (brick, wood frame, etc.).
- 3.2.19. Structures which are severed by a proposed right-of-way line shall be dimensioned to the extent necessary to completely delineate the severed parts.
- 3.2.20. Parking areas, billboards, and other on-premise signs which are severed by a proposed right-of-way line shall be dimensioned to the extent necessary to delineate that portion of the parking area, billboard, or sign which is located within the proposed right-of-way corridor.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY
NA _____

- 3.2 *Right-of-Way Map Continued (continued)*
- 3.2.21. In cases where structures are located outside the proposed right-of-way corridor and within 25 feet of a proposed right-of-way line, the shortest distance between the structure and the proposed right-of-way line shall be shown and field verified.
- 3.2.22. Visible utilities located within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be shown and identified.
- 3.2.23. The location of underground utilities and fuel storage tanks situated within the proposed right-of-way corridor or within 50 feet of a proposed right-of-way line shall be determined and shown as required by the ENGINEER. The visible location of stand pipes, vents and filler caps in conjunction with available design and as-built drawings may be used to determine a most probable location and size in the event an actual location is indeterminable.
- 3.2.24. Points of commencing and points of beginning shall be shown and labeled. Points of beginning shall be shown with their respective N and E surface coordinates. As an exception, a point of commencing will not be required in the case of a total taking without a remainder.
- 3.2.25. Each parcel of land to be acquired shall be identified by a parcel number which shall appear in the ownership tabulation and on the right-of-way map in the proximity of the respective parcel. If the SURVEYOR is unfamiliar with the criteria used by the STATE to assign parcel numbers, he shall seek the assistance of the ENGINEER at the time the abstract map is complete. THE SURVEYOR SHALL SEEK ASSISTANCE FROM THE ENGINEER IN DEVELOPING AN OWNERSHIP TABULATION TABLE.
- 3.2.26. An ownership tabulation shall be shown which shall include the parcel number, existing area of the parent tract, lot(s) and block(s) constituting the parent tract when applicable, owner's name, type of conveyance, film code, county clerk's file number, taking area, and remaining area of the parent tract located left and/or right of the centerline alignment. Types of conveyance, film code and file numbers refer to conveyances into the STATE and will be added to the right-of-way map by the STATE at a later date. Several blank lines shall be provided in the tabulation block to facilitate future map additions.
- 3.2.27. A parent tract inset shall be shown for each parent tract which cannot be shown to scale on the right-of-way map. The use of broken scale lines should be avoided. When parent tract insets are used, the point of commencing with the appropriate bearing and distance to the point of beginning may be shown on the parent tract inset.
- 3.2.28. A note shall be included on the title sheet and each map sheet stating the source of bearings, coordinates, and datum used.
- 3.2.29. Appropriate notes shall be included on the title sheet and each map sheet stating the following:
- a. Month(s) and year abstracting upon which the map is based.
 - b. Month(s) and year field surveys were conducted upon which the map is based.
 - c. Month and year the map was completed by the SURVEYOR.
- 3.2.30. The right-of-way CSJ number, if available, shall be shown on each right-of-way map sheet.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

NA _____

3.3. Exhibits:

An Exhibit shall be prepared for each parcel or tract consisting of a property description and a parcel plat.

3.3.1. Property Description:

A property description shall be prepared for each parcel of land to be acquired. Standard formats for property descriptions, copies of which the SURVEYOR shall request to the ENGINEER and secure for all purposes of this Contract. Property descriptions shall include, but need not be limited to, the following items of information.

All property descriptions shall be signed and sealed by a Registered Professional Land Surveyor. The property description shall begin with a general description which shall include as a minimum:

- a. State, County, and Survey within which the proposed parcel of land to be acquired is located.
- b. A reference to unrecorded and recorded subdivisions by name, lot, block, and recording data to the extent applicable.
- c. A reference by name to the grantor and grantee, date and recording data of the most current instrument(s) of conveyance describing the parent tract. Use execution dates in deed references as opposed to recording or filing dates. In any case, the property description shall make clear which date is being used.

The property description shall continue with a metes and bounds description which shall include as a minimum:

- d. A point of commencing.
- e. A point of beginning with the appropriate N and E surface coordinates.
- f. A series of courses, identified by number and proceeding in a clockwise direction, describing the perimeter of the parcel of land to be acquired, and delineated with appropriate bearings, distances, and curve data.

Curve data shall include the radius, delta angle, arc length, and long chord bearing and distance. Each course shall be identified either as a proposed right-of-way line, and existing right-of-way line, or a property line of the parent tract. Each property line of the parent tract shall be described with an appropriate adjoiner call.

- g. A description of all monumentation set or found shall include, as a minimum, size and material.
- h. A reference to the source of bearings, coordinates, and datum used.

NA _____

3.3.2. Parcel Plat:

A parcel plat shall be prepared for each parcel of land to be acquired. The STATE has developed standard formats for parcel plats, copies of which the SURVEYOR shall request from the ENGINEER and secure for all purposes in this Contract. Parcel plats shall include each and every item of information shown on the right-of-way map which concerns the individual parcel. All parcel plats shall be signed and sealed by a Registered Professional Land Surveyor.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

4. **DELIVERABLES:**

In preparing right-of-way maps, the following is an outline of the work to be submitted (records should be delivered in a binder):

- | | | |
|------------|-----|--|
| <u>YES</u> | ___ | 4.1. An Abstract Map of the current record title holders included in the Preliminary Map showing the recording information for 12 parcels. |
| <u>NA</u> | ___ | 4.2. A Right-of-Way map for the project limits under cover of Title Sheet, Index Sheet, Control Data Sheet, and Exhibits of the property descriptions and parcel plats as per General Specifications defined in 2.12, 3.2 and 3.3.
<u>ROW Map Submittal Requirements:</u>
4.2.1. Two (2) paper sets of half-size ROW maps (11"x 17")
4.2.2. One (1) paper set of the full-size ROW maps (22"x 34")
4.2.3. Four (4) sets of original metes & bounds descriptions (field notes) with parcel plats (signed & sealed by the surveyor). <i>Do not include traverse sheet.</i>
4.2.4. City requires one (1) electronic copy of the ROW Map on a CD, and One (1) copy of the DGN electronic file on a CD from the surveyor- Both the electronic copy of the ROW Map and the DGN file can be on one CD.
<u>IF Roadway is ON-SYSTEM and after Administrative Approval of the ROW Maps by Division (REVISIONS) Submittal Requirements:</u>
4.2.5. Two (2) paper sets of the half-size of the affected ROW map sheets (11"x17"), detailing the <u>revision</u>
4.2.6. One (1) paper set of the full-size of the affected ROW map sheets (22"x 34"), detailing the <u>revision</u>
4.2.7. Four (4) sets of any <u>revised</u> original metes & bounds descriptions (field notes) with parcel plats (signed & sealed by the surveyor). <i>Do not include traverse sheet.</i>
4.2.8. Division needs one (1) electronic copy of the <u>revised</u> ROW Map sheets on a CD, and
4.2.9. One (1) copy of the DGN electronic file on a CD from the surveyor- detailing the <u>revision</u> -Both the electronic copy of the <u>revised</u> ROW Map sheets and the DGN file can be on one CD. |
| <u>YES</u> | ___ | 4.3. Appropriate monuments on the proposed right-of-way lines at intersecting property lines, and at all PCs, PTs, angle points, intersecting right-of-way lines of side streets, and at 1,000 foot stations of the proposed centerline alignment. |
| <u>YES</u> | ___ | 4.4. Appropriate monuments on the existing right-of-way lines in areas of no acquisition at all PCs, PTs, angle points, and 1,000 foot stations, and as directed by the ENGINEER of the proposed centerline. |
| <u>YES</u> | ___ | 4.5. A SURVEYOR's report, outlining the approach, reasons or basis for the existing right-of-way determination, and conclusions made. |
| <u>YES</u> | ___ | 4.6. Records used to establish ownership. |
| <u>NA</u> | ___ | 4.7. ROW and parcel filed notes signed and sealed by a RPLS. |
| <u>NA</u> | ___ | 4.8. Computation sheets of survey closures, ground surveys, etc. used to develop plats and meets and bound information. |
| <u>NA</u> | ___ | 4.9. Items indicated under the Automation Requirements Section 6. |
| <u>NA</u> | ___ | 4.10 Completed (Attached) Checklist with submittal of ROW Map etc. |

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

5. **GENERAL REQUIREMENTS:**

For purposes of this Contract, the following general requirements shall apply:

YES _____

- 5.1. Copies of instruments of record submitted to the ENGINEER shall be indexed by parcel number.
- 5.2. ~~Coordinates appearing on right of way maps, on parcel plats, and in property descriptions shall be surface coordinates based on the Texas State Plane Coordinate System. The combined adjustment factors (sea level factor x scale factor) which have been developed by the STATE for its use are as follows:~~
 - 5.2.1. ~~In (List Applicable Counties): Counties (_____ Zone), grid coordinates are multiplied by a combined adjustment factor of 1.xxxxxx to obtain surface coordinates. For work in Counties other than those listed, the ENGINEER will provide the combine adjustment factor.~~
- 5.3. ~~Line and curve tables may be used when necessary.~~
- 5.4. ~~The number of centerline alignment stations to be shown on a single plan sheet shall be restricted to the extent necessary to allow approximately 4 inches between match lines and sheet borders for future details and notes.~~
- 5.5. ~~A minimum 4 inch by 4 inch space shall be reserved at the bottom right corner of each map sheet for future revision notes.~~

6. **AUTOMATION REQUIREMENTS:**

In addition to standard hard copy plots and mylar copies, the following will be required electronically (*Any Files Submitted to Engineer shall be delivered in formats listed below*):

YES _____

- 6.1. Right-of-way maps and parcel plats shall be prepared using a *Micro Station* software graphics system capable of producing graphics files that can be plotted and viewed without further modification or conversion using the State's *Micro Station V8* graphics system.
- 6.2. It is the intent of the ENGINEER to secure graphics files which have elements of equal integrity, singularity, and attributes as elements prepared using the State's *Micro Station V8* graphics system.
- 6.3. For purposes of clarity, consistency, and ease of utilization, the SURVEYOR shall request and secure standards relevant to right-of-way mapping to the extent necessary to ensure that the needs of the ENGINEER are met. This includes, but may not be limited to, TxDOT seed file and corresponding units.def file, TxDOT font resource file, TxDOT GEOPAK SMD file, TxDOT DGNLIB, associated cell libraries and custom line styles, and other files as deemed appropriate for the project.
- 6.4. Graphics files furnished to the ENGINEER by the SURVEYOR shall be submitted on a Compact Disk CD, DVD or USB, in a format compatible with the STATE's computer system. The SURVEYOR shall confer with the ENGINEER regarding acceptable media and formats before making submissions. The SURVEYOR shall request and secure a Consultant File Index form provided by the ENGINEER, to be completed by the SURVEYOR, and to be submitted to the ENGINEER along with the graphics files.
- 6.5. Property descriptions shall be prepared using a computer word processing system capable of producing data files readable using *Microsoft Office Word Version 2007* word processing software.
- 6.6. Data files furnished to the ENGINEER by the SURVEYOR shall be submitted in ACSII format on a CD, DVD or USB.
- 6.7. Provide to the ENGINEER electronic copies of all instruments of record acquired pursuant to a work authorization.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

NA

7. GENERAL SPECIFICATIONS:

For purposes of this Contract, the following general specifications for right-of-way mapping shall apply:

- 7.1. Completed right-of-way maps shall be submitted to the ENGINEER on single or double matte mylar, 22 inches by 34 inches in size with a 21 inch by 32 inch printed border positioned ½ inch from the top, bottom, and right edge of the sheet. Two copies on 11 inch by 17 inch paper will also be supplied to the ENGINEER.
- 7.2. Parcel plats shall be submitted to the ENGINEER on 8 ½ inch by 11 inch bond paper with respective borders of 7 ½ inches by 10 inches, positioned ½ inch from the top, bottom, and right edge of the sheet. Match lines shall be used where more than one sheet is required.
- 7.3. Right-of-way maps shall be drawn to a scale of 1 inch = 50 feet. An appropriate scale other than 1 inch = 50 feet may be used on some proposed right-of-way projects upon prior approval by the ENGINEER.
- 7.4. Since right-of-way maps are reduced in size by one-half for archiving purposes, the smallest size lettering acceptable on a right-of-way map shall be 1/10 of one inch (Leroy #100). A right-of-way map which contains any lettering smaller than 1/10 of one inch will not be accepted by the ENGINEER.
- 7.5. Parcel plats shall be drawn to a preferred scale of 1 inch = 50 feet. An appropriate scale other than 1 inch = 50 feet may be used on some proposed right-of-way projects upon prior approval by the ENGINEER. In the case of a very large parcel which would be difficult to show with clarity on a single 8 ½ inch by 11 inch sheet, the SURVEYOR shall use multiple 8 ½ inch by 11 inch sheets with matching lines.
- 7.6. The smallest size lettering acceptable on a parcel plat shall be 0.06 of an inch (Leroy #60).
- 7.7. Property descriptions shall be submitted on 8 ½ inch by 11 inch bond paper.
- 7.8. The ENGINEER has encountered a number of mylar products which are considered unacceptable. The SURVEYOR shall confer with the ENGINEER regarding mylar products he intends to use which have not been previously used on State projects.
- 7.9. Zip-A-Tone or other similar stick-on products shall not be used on right-of-way maps or parcel plats.

8. ADHERENCE TO STANDARDS:

For purposes of clarity, consistency, and ease of understanding, the CITY/COUNTY, as an acquiring agency of private property for public use, has adopted the STATE standards and formats for right-of-way mapping which have proven to facilitate the processes of negotiation, appraisal, relocation assistance, and condemnation. It shall be the responsibility of the SURVEYOR to adhere to these standards and formats to every extent possible to ensure that the needs of the acquiring agency are met.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 6 - FIELD SURVEYING AND PHOTOGRAMMETRY
(Function Code 150)

Services
Provided By:
SURVEYOR CITY/COUNTY

DESIGN AND CONSTRUCTION SURVEYS:

PURPOSE:

The purpose of a "design survey" is to provide field information in support of transportation systems design.

The purpose of a "construction survey" is to provide field data in support of highway construction.

DEFINITIONS:

A "design survey" is defined as the combined performance of research, field work, analysis, computation, and documentation necessary to provide detailed topographic (3-dimensional) mapping of a project site. A design survey may include, but need not be limited to, cross-sections or data to create cross-sections and Digital Terrain Models (DTM), horizontal and vertical location of utilities and improvements, detailing of bridges and other structures, review of right-of-way maps, establishing control points, etc.

A "construction survey" is defined as the combined performance of reconnaissance, field work, analysis, computation, and documentation necessary to provide the horizontal and vertical position of specific ground points to be used by the construction contractor for determining lines and grades.

- | | |
|----------------|---|
| <u>YES</u> ___ | <p>1. Design Surveying</p> <p>a. Primary Project Control – 3 to 5 miles spacing
Surveyor shall recover and verify existing primary control.</p> <p style="text-align: center;">NOTE: ALL BEARING AND DISTANCE SHALL BE BASED ON THE STATE PLANE COORDINATE SYSTEM NAD 1983, SOUTH ZONE. ALL DISTANCES AND COORDINATES SHALL BE SURFACE AND MAY BE CONVERTED TO GRID BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.999960</p> |
| <u>YES</u> ___ | <p>b. Secondary Project Control – Surveyor shall recover and verify existing secondary control points. Signed and sealed RPLS Survey Control Data sheets to be provided by Engineer.</p> <p>(1) No traverse should exceed 25 angle points. Planimetrics shall be 20 ft Lt & Rt from the proposed ROW as per the schematic provided by the Engineer.</p> <p>(2) The unadjusted angular error should not exceed 2 seconds per angle, plus 14 seconds.</p> <p>(3) The unadjusted ratio of precision should be one part in 10,000 or better. (The ratio of precision is the total length of the traverse divided by the total error.)</p> <p>(4) The unadjusted vertical error should not exceed 0.03 foot per mile of traverse.</p> <p>(5) Project control base lines</p> |
| <u>NA</u> ___ | <p>(6) Photogrammetric ground control</p> <p>(a) Establish horizontal control</p> <p>(b) Establish vertical control points</p> <p>(c) Place and maintain control point targets</p> |

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

NA _____

c. Other Design Surveying

- (1) **The limit of the Design surveys shall be 500-ft before and after the limits of the project as identified by the Project Engineer on the schematic. Establish horizontal and vertical control. Set H&V Control at 1000-ft intervals along the project proposed right-of-way. Provide x, y, z for each H&V Control. Provide an H&V Control along each outfall identified on the Hydrologic Map. The H&V Control shall be #5 I.R. 2-ft in depth set in concrete. The surveyor shall provide an H&V Control Book (a Sample shall be provided by the Engineer to the Surveyor). The Surveyor will provide a 3-pt reference sketch with ties to the BMs for inclusion the existing H&V Control Book. Establish benchmark circuit throughout the project with a tolerance of 0.03'/ft per mile error vertically.**
- (2) Complete topographic and cross section survey, data processing, and CADD mapping (2D & 3D) for the limits of the project.
- (3) Locate all visible utilities, data processing and CADD mapping (2D & 3D) including irrigation lines. Follow sample provided by the Engineer.
- (4) Field locate cross culverts, driveway culverts, inverts, irrigation lines, within the project limits, data processing and CADD mapping (2D & 3D).
- (5) Right of Entry, Right of Way Research, and Appraisal District Records is the responsibility of the Surveyor.
- (6) The Surveyor shall stake the proposed centerline on the existing fields as approved by Engineer before construction for the purpose of utility adjustments and project location.
- (7) Profile and cross section intersecting streets for ties into project (500-ft. beyond the proposed ROW per schematic and 20-ft wider than the existing ROW of intersecting street). Reference missing voids as per CD provided by the Engineer.
- (8) Cross section irrigation crossings for a distance of 20-ft beyond the proposed ROW at 100-ft intervals in a DTM file. Provide a complete description of irrigation appurtenances as identified by the engineer sample layout "EXHIBIT E". The SURVEYOR will meet with the ENGINEER before he ties down any irrigation lines. Jointly the SURVEYOR and the ENGINEER will identify from records such as the Irrigation District Maps and the A&M Data of existing irrigation lines that will need to be tied down. The SURVEYOR will follow the sample given to him by the ENGINEER and tie the structures horizontally and vertically and include in the field books to be submitted.
- (9) Tie Horizontally and Vertically the existing storm drain system that lies within the existing proposed ROW including the elevation of the outfall of said recovered existing storm drain systems.
- (10) Tie to existing underground and overhead utilities (location, elevation and direction)

Horizontally – The surveyor shall call the 1-800 number for the utilities to be marked on the ground as well as any city water and sewer lines. He shall tie all visible utility crossings with name, address and Phone #'s of utility companies. The engineer will coordinate with the utility companies and jointly the Surveyor and the Engineer will identify which utilities were missed and need to be tied down.

Vertically – The engineer shall identify all utilities that are potential conflicts and that need to be tied vertically. The engineer will advise the surveyor in writing of the needed vertical ties and the surveyor will tie the lines vertically once the surveyor has coordinated the exposure and provide the information to the engineer.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

- NA 2. **Photogrammetric Products**
- a. Uncontrolled Photography
 - (1) Contact Prints
 - (2) Mosaics
 - (3) Digital ortho plots
 - b. Mapping
 - (1) Planimetric Maps
 - (2) Contour Maps
 - (3) Cross Sections
 - (4) Profiles
 - (5) Digital Terrain Models (DTM)
3. **UTILITY SUBSURFACE INVESTIGATION:**
Utility Quality Levels are in cumulative order (least to greatest) as follows
- NA 3.1. Quality Level C - Existing Records: Utilities are plotted from review of available existing records that will be generated by the Engineer on the schematic and provided to the surveyor for his further creation of a Utility Map which will be turned in as a deliverable as part of this work order.
- NA 3.2. Quality Level B - Surface Visible Feature Survey: The Surveyor shall gather the field tied Utility Information and compare it to the existing records (if any) as provided by the Engineer and correlate with surveyed surface-visible features. The surveyor shall create a Utility Layout Map or plan layout 2D, showing the limits of the proposed project and limits of the work area required for this work authorization; including highway stations, limits within existing or proposed right of way. Correlate utility owner records with designating data and resolve discrepancies using professional judgment. A color-coded composite utility facility plan with utility owner names, quality levels, line sizes and subsurface utility locate (test hole) locations. The Layout Map will include all utilities that have been field tied – 2D Horizontal Utilities. This Layout will be provided to the Engineer and a meeting held with Engineer to identify which utilities will need to be tied down vertically. A note must be placed on the designate deliverable only that states "lines sizes are from best available records". All above ground appurtenance locations must be included in the deliverable to the Engineer. This information will be provided in the latest version of Micro Station or Geopak used by the State. The electronic file will be delivered on C.D. or DVD. A hard copy is required and must be signed, sealed, and dated by the Surveyor. Note: Determine and inform the Engineer of the approximate utility depths at critical locations. This depth indication is understood by the Engineer to be approximate only and is not intended to be used for preparing the construction plans.
- YES 3.3. **Subsurface Utility Locate (Test Hole) Service (Quality Level A). THE SURVEYOR SHALL ESTIMATE LOCATING VERTICALLY 25 UTILITES PER MILE OR AS IDENTIFIED BY THE ENGINEER.** Locate shall mean to obtain precise horizontal and vertical position, material type, condition, size and other data that may be obtainable about the utility facility and its surrounding environment through exposure by non-destructive excavation techniques that ensures the integrity of the utility facility. Subsurface Utility Locate (Test Hole) Services (Quality Level A) are inclusive of Quality Levels B and C. The Surveyor shall:
- 3.3.1 Review the requested test hole locations that have been identified by the Engineer and Coordinate with utility owner inspectors as may be required by law or utility owner policy.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
Provided By:
SURVEYOR CITY/COUNTY

3. *Utility Subsurface (continued)*

- 3.3.2 Measure and record the following data on an appropriately formatted test hole data sheet that has been sealed and dated by the Engineer:
- Elevation of top and/or bottom of utility tied to the datum of the furnished plan.
 - Identify a minimum of two benchmarks utilized. Elevations shall be within an accuracy of 15mm (.591 inches) of utilized benchmarks.
 - Elevation of existing grade over utility at test hole location.
 - Horizontal location referenced to project coordinate datum.
 - Outside diameter of pipe or width of duct banks and configuration of non-encased multi-conduit systems.
 - Utility facility material(s).
 - Utility facility condition.
 - Coating/Wrapping information and condition.
 - Unusual circumstances or field conditions.
- 3.3.3 Excavate test holes in such a manner as to prevent any damage to wrappings, coatings, cathodic protection or other protective coverings and features. Water excavation can only be utilized with written approval from the appropriate State District Office.
- 3.3.4 Back fill all excavations with appropriate material, compact backfill by mechanical means, and restore pavement and surface material. The Engineer shall be responsible for the integrity of the backfill and surface restoration for a period of three years. Install a marker ribbon throughout the backfill.
- 3.3.5 Provide complete restoration of work site and landscape to equal or better condition than before excavation.
- 3.3.6 Plot utility location position information on the Utility Layout sheet and identify the vertical elevation and sealed by the responsible Surveyor. This information will be provided in the latest version of Micro Station or Geopak format used by the State. The electronic file will be delivered on C.D or DVD.

4. **DELIVERABLES:**

The deliverables to be specified in individual work authorizations for design surveys and construction surveys may be any combination of the following:

- | | | |
|------------|-----|---|
| <u>NA</u> | ___ | 4.1. Digital Terrain Models (DTM) in a format acceptable by the ENGINEER. |
| <u>YES</u> | ___ | 4.2. Final H&V Field Book Binder with all pertinent information obtained in the field for Design Surveys. Maps, plans, or sketches prepared by the SURVEYOR showing the results of field surveys. |
| <u>YES</u> | ___ | 4.3. Computer printouts or other tabulations summarizing the results of field surveys. |
| <u>YES</u> | ___ | 4.4. Digital files or media acceptable by the ENGINEER containing field survey data. |
| <u>YES</u> | ___ | 4.5. Maps, plans, sketches, or other documents acquired from utility companies, private corporations, or other public agencies, the contents of which are relevant to the survey. |
| <u>YES</u> | ___ | 4.6. Field survey notes, as electronic and/or hard copies. |
| <u>NA</u> | ___ | 4.7. A H&V Control Book identifying the basis of the Primary and Secondary Control and an 8 ½ inch by 11 inch survey control data sheet for each construction control point which shall include, but need not be limited to, a location sketch, a physical description of the point including a minimum of two reference ties, surface coordinates, a surface adjustment factor, elevation, and the horizontal and vertical |

EXHIBIT "B"
 SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

datums used. Survey control data sheets shall be signed and sealed by the supervising Registered Professional Land Surveyor.

Services
 Provided By:
 SURVEYOR CITY/COUNTY

		4. <i>Deliverables (continued)</i>
NA	___	4.8. Final mylar set of 11 inch by 17 inch Survey Control data sheets sign and seal by the RPLS per TxDOT guidelines.
NA	___	4.9. A digital and/or hard copy of all computer printouts of horizontal and vertical conventional traverses, GPS analysis and results, data including property descriptions with field notes and plats, right-of-way maps, and survey control data sheets to include in the H&V Field Book Binder.
YES	___	4.10. Survey reports in a format requested by the ENGINEER.
YES	___	4.11. Items indicated under the Automation Requirements Section 6.

5. **GENERAL REQUIREMENTS:**

- 5.1. Design surveys and construction surveys shall be performed under the supervision of a Registered Professional Land Surveyor currently registered with the Texas Board of Professional Land Surveying.
- 5.2. Horizontal ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the STATE.
- 5.3. Reference may be made to standards of accuracy for horizontal control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.
- 5.4. Vertical ground control used for design surveys and construction surveys, furnished to the SURVEYOR by the ENGINEER or based on acceptable methods conducted by the SURVEYOR, shall meet the standards of accuracy required by the ENGINEER.
- 5.5. Reference may be made to standards of accuracy for vertical control traverses, as described in the FGCS Standards and Specifications for Geodetic Control Networks, latest edition, the TxDOT Survey Manual, latest edition, the TxDOT GPS Manual of Practice, latest edition, or the TSPS Manual of Practice for Land Surveying in the State of Texas, as may be applicable.
- 5.6. Side shots or short traverse procedures used to determine horizontal and vertical locations shall meet the following criteria:
 - Side shots or short traverses shall begin and end on horizontal and vertical ground control as described above.
 - Standards, procedures, and equipment used shall be such that horizontal locations relative to the control may be reported within the following limits:
 - Bridges and other roadway structures: less than 0.1 of one foot.
 - Utilities and improvements: less than 0.2 of one foot.
 - Cross-sections and profiles: less than 1 foot.
 - Bore holes: less than 3 feet.
 - Standards, procedures, and equipment used shall be such that vertical locations relative to the control may be reported within the following limits:
 - Bridges and other roadway structures: less than 0.02 of one foot.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

- Utilities and improvements: less than 0.1 of one foot.
- Cross-sections and profiles: less than 0.2 of one foot.
- Bore holes: less than 0.5 of one foot.

Services
Provided By:
SURVEYOR CITY/COUNTY

5. **AUTOMATION REQUIREMENTS:**

- 6.1 Planimetric design files (DGN) shall be fully compatible with the State's *Micro Station V8* graphics program without further modification or conversion.
- 6.2 Electronically collected and processed field survey data files shall be fully compatible with the State's *CADD* systems without further modification or conversion. All files shall incorporate only those feature codes currently being used by the STATE.
- 6.3 Digital Terrain Models (DTM) shall be fully compatible with the STATE's GEOPAK system without further modification or conversion. All DTM files shall be fully edited and rectified to provide a complete digital terrain model with all necessary break lines.

EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

ADDITIONAL RESPONSIBILITIES

A. TRAFFIC CONTROL:

The SURVEYOR shall control traffic in and near surveying operations adequately to comply with provisions of the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI and the latest edition of the Occupational Safety Manual both of which can be found on the TxDOT internet site.

In the event field crew personnel must divert traffic or close traveled lanes, a Traffic Control Plan based upon principles outlined in the latest edition of the TxDOT Manual on Uniform Traffic Control Devices – Part VI shall be prepared by the SURVEYOR and approved by the ENGINEER prior to commencement of field work. A copy of the approved plan shall be in the possession of field crew personnel on the job site at all times and shall be made available to the ENGINEER for inspection upon request.

B. INVOICING:

Payment requests shall include a SURVEYOR's invoice. With each payment request, the SURVEYOR shall submit a project status report which will, as a minimum, include the percentage of total work complete as of the date of the payment request and a description of current work activity. The percentage of total work complete shall not be based simply on the percentage of funds expended, but shall be based on the best judgment of the SURVEYOR as to the percentage of actual work complete.

C. EASEMENTS, LETTERS OF PERMISSION, ETC.

The SURVEYOR shall be responsible for delineating easements. The SURVEYOR will be responsible for securing the necessary legal instruments and obtaining all Right-of-Entries (ROEs).

D. MEETINGS:

The ENGINEER shall setup the necessary meetings with the SURVEYOR in order to assure all field information is provided on-time and products are delivered in accordance with TxDOT's specifications. SURVEYOR must attend all meetings involving data provided if requested by ENGINEER.

E. PROJECT MANAGER/SURVEYOR COMMUNICATION:

The SURVEYOR shall designate one Texas Registered Professional Land Surveyor (RPLS) to be responsible throughout the project for project surveying coordination and all communications, including billing, with the ENGINEER.

F. OFFICE LOCATION:

The SURVEYOR will perform the services to be provided under this agreement out of a local office and have a crew available to perform requested tasks within 24 hours of request. The coordinating SURVEYOR's Project Manager (RPLS) shall be accessible at all times and working from the local office.

Client: Hidalgo County

EXHIBIT "C"
WORK SCHEDULE
10th Street Ext - WA #2 - Suppl #4
 From SH 107 to FM 1925
 Length = 2.5 miles

TASK AND DESCRIPTION	FIRM	2017											
		FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
<u>10th Street Extension (SH 107-FM1925)</u>													
<u>Suppl. #4 to WA #2: Asbestos & Surveying</u>													
Asbestos Abatement & Demolition													
ACM/LBP Assessment & Demo (Guardhouse & Wall)	L&G												
Abatement	L&G												
Field Inspections & Management	L&G												
Survey Work for Encroachment & Calpine Effluent Line													
Recover & Re-establish ROW (Schunior to SH 107)	L&G												
SUE work for Calpine Effluent Line	L&G												
Field Inspections & Management	L&G												
Storm Sewer Design Changes For Calpine Line													
Redesign Storm Sewer to Accommodate Calpine Effluent Line	L&G												

 L&G FUNCTION

		Sub-Contract Amounts	TOTAL LINE ITEM COST	ROUNDED TOTAL LINE ITEM COST
CONTRACT RATE				
SUPPLEMENTAL #4 TO WORK AUTHORIZATION NO. 2				
<i>Assessment, Abatement and Demolition of Guardhouse and Wall</i>				
1	ACM/LBP Assessment, Abatement Consulting and Demolition - SUB	\$ 27,940.00	\$ 27,940.00	\$ 27,940.00
2	Abatement - SUB	\$ 6,870.00	\$ 6,870.00	\$ 6,870.00
3	L&G Field Inspections and Management of Abatement and Demolition of Guardh	\$ -	\$ 10,066.94	\$ 10,066.94
<i>Survey Work for 10th Street</i>				
4	FC 130 - Recovery & Re-establish ROW line of 10th St from Schunior to FM 1925 parcels to define encroachments - SUB	\$ 4,507.00	\$ 4,507.00	\$ 4,507.00
5	FC 150 - Subsurface Utility Engineering-25 Spot Elevation of Calpine Effluent Line	\$ 18,434.00	\$ 18,434.00	\$ 18,434.00
6	FC 150 - Design Changes to address Calpine Effluent Line		\$ 40,085.14	\$ 40,085.14
7	L&G Management of Surveyor for FC 130 & FC 150		\$ 10,037.76	\$ 10,037.76
SUB-TOTAL		\$ 57,751.00	\$ 117,940.84	\$ 117,940.84

\$95,000.00
\$25,000.00
\$30,000.00

\$ 117,940.84

\$ 117,940.84

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

L&G Consulting Engineers, Inc.
Mercedes , TX United States

Certificate Number:
2017-160916

Date Filed:
02/01/2017

Date Acknowledged:

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Hidalgo County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

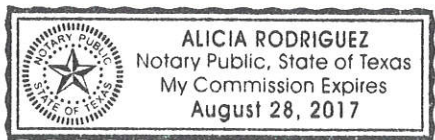
C-12-126-10-16
Professional Engineering Services - 10th Street Extension Project Supplemental No. 4 to Work Auth. No. 2

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Sandoval , Armando	Mercedes , TX United States		X
	Garza , Jacinto	Mercedes , TX United States	X	

5 Check only if there is NO Interested Party.

6 AFFIDAVIT

I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.



[Handwritten Signature]

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said Jacinto Garza, this the 1st day of February, 2017, to certify which, witness my hand and seal of office.

[Handwritten Signature]

Signature of officer administering oath

Alicia Rodriguez
Printed name of officer administering oath

Notary
Title of officer administering oath

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY CERTIFICATION OF FILING

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

L&G Consulting Engineers, Inc.
Mercedes , TX United States

Certificate Number:
2017-160916

Date Filed:
02/01/2017

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

Hidalgo County

Date Acknowledged:
02/02/2017

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

C-12-126-10-16
Professional Engineering Services - 10th Street Extension Project Supplemental No. 4 to Work Auth. No. 2

4	Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
			Controlling	Intermediary
	Sandoval , Armando	Mercedes , TX United States		X
	Garza , Jacinto	Mercedes , TX United States	X	

5 Check only if there is NO Interested Party.

6 AFFIDAVIT I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.

Signature of officer administering oath Printed name of officer administering oath Title of officer administering oath

SPECIAL MEETING - February 6, 2017

BE IT REMEMBERED, that on this 6th day of February A.D., 2017, there was begun and held a SPECIAL MEETING of the Honorable Commissioners' Court of Hidalgo County, Texas, wherein the following members thereof were present, to-wit:

HONORABLE RAMON GARCIA

HIDALGO COUNTY JUDGE

HONORABLE DAVID FUENTES

COMMISSIONER, PRECINCT NO. 1

HONORABLE JOSEPH PALACIOS

COMMISSIONER, PRECINCT NO. 4

and ARTURO GUAJARDO, JR., COUNTY CLERK & EX-OFFICIO CLERK OF THE COMMISSIONERS' COURT of Hidalgo County, Texas, wherein the following proceedings were had, to-wit:



AGENDA
CC REGULAR CONSENT
COMMISSIONERS' COURT
February 6, 2017
9:30 A.M.

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Commissioners' Court will be held at the Edinburg Council Chambers 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

NOTICE TO THE PUBLIC
CONSENT AGENDA

The following items are of a routine or administrative nature. The Commissioners' Court has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Court Commissioner, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.

On motion by COMMISSIONER PCT. 4, JOSEPH PALACIOS, seconded by COMMISSIONER PCT. 1, DAVID FUENTES, the Court made a UNANIMOUS vote of approval for the exception of Items. 7.A., 10.A., 10.G.2., 10.I.C., 10.M., 10.N., 10.U., and 10.W. to be pulled for further discussion.

Vote: 3 - 0 - Unanimously

Court proceeded to Consent Item.7.A.

1. **AI-58408** **Approval of check register and payment of claims and bills** - (Payments from Juvenile Probation, Adult Probation, LEOSE Fund, DA Motor Vehicle Theft Fund, DA Check Fraud Fund, DA Forfeiture Fund, Sheriff Forfeiture Funds, Constable Forfeiture Funds, HIDTA Forfeiture Funds and VIT Interest Fund are presented for recording purposes only.)

2. **Auditor's Office:**
 - A. **AI-58410** Presentation of Fund Information Report

 - B. **AI-58278** Pursuant to Local Government Code Sections 114.023-.025, requesting approval of Monthly Financial Reports for the Months of October 2016 and November 2016.

9. Budget & Management:

- A. AI-58286** 1. Approval of reimbursement in the amount of \$45,241.44 to Aetna Insurance Company for claims paid on behalf of Hidalgo County for 01/18/17.
2. Approval of wire transfer to cover claims paid.
- B. AI-58313** 1. Approval of reimbursement in the amount of \$312,007.92 to Aetna Insurance Company for claims paid on behalf of Hidalgo County from 01/20/17 to 01/25/17.
2. Approval of wire transfer to cover claims paid.
- C. AI-58285** Self-Insured (2202)
Requesting approval of reimbursement of the Hidalgo County Workers' Comp. Claims paying account for claims paid by Tristar Risk Management for the period of January 16-31, 2017 in the amount of \$73,830.80 and requesting approval of wire transfer.
- D. AI-58284** 1. Approval of reimbursement in the amount of \$372,200.48 to Blue Cross Blue Shield Insurance Company for claims paid on behalf of Hidalgo County from 01/14/17 to 01/27/17.

01/14-20/17	\$292,189.23
01/21-27/17	\$ 80,011.25
TOTAL	\$372,200.48

 2. Approval of wire transfer to cover claims paid.
- E. AI-58323** TXDOT Pct 1 FM493 (Champion-US281) (1315):
Clarification/Correction to amount stated on AI-58163, previously approved by commissioners' court on 1/24/17, check payable to Texas Department of Transportation Trust Fund should be in the amount of \$6,055.10 to cover the County's additional estimated share of Right of Way Direct State Costs, with authority for the County Treasurer to issue check after review, audit, and processing procedures are completed by the County Auditor. (CSJ#0863-01-057)

10.

Purchasing Dept:

Notes:

A. FOR ANY CONTRACTS(S) AWARDED AND APPROVED UNDER THIS AGENDA, EXECUTED COPIES OF THE CONTRACT(S) WILL BE AVAILABLE ON THE COUNTY INTRA-NET WEBSITE AND WILL BE FOWARDED VIA E-MAIL, FAX OR HAND DELIVERED TO HIDALGO COUNTY AUDITOR'S OFFICE.

B. ANY AND ALL REQUESTS FOR PAYMENT(S) APPROVED WILL BE SUBJECT TO COUNTY AUDITORS PROCESSING PROCEDURES INCLUDING AUTHORITY FOR COUNTY TREASURER TO ISSUE PAYMENT(S)/CHECK(S).

Court proceeded to consent Item. 10.M.

J. AI-58295

APPROVED

Requesting approval of SA4 to WA2 for the ["Abatement/Demolition of the Guardhouse and Wall" with additional survey work and the re-design of the storm drain system] in connection to "job specific" Project: Extension of 10th Street Project (SH107 - FM1925) under agreement #C-12-126-10-16 with L&G Consulting Engineering, Inc. for Hidalgo County Precinct No. 4

K. AI-58321

New Courthouse Project:
Acceptance and approval of the following invoice in connection with drainage improvements @ SH107 & Bus 281(PO#750481):

Vendor	Invoice Date	Invoice#	Amount
L&G Engineering, Inc.	1/31/17	11326128	\$102,451.45

L. AI-58322

Executive Office - Traffic Engineering:
Acceptance and approval of Invoice #11326108 dated 1/31/17 in the amount of \$7,681.76 for the month of January 2017 from L&G Consulting Engineers, Inc. contracted engineer for HCMPO Policy Meeting and HCMPO Technical Meeting. (PO#733569)

M. AI-58327

Requesting approval to enter into a 36 Month Capital Lease with Canon through a Texas DIR contract #TSO-3101, for 93rd District Court.

Valde Guerra requested the item to be approve subject to legal approval.

On motion by COMMISSIONER PCT. 4, JOSEPH PALACIOS, seconded by COMMISSIONER PCT. 1, DAVID FUENTES, the Court made a UNANIMOUS vote of approval subject to legal approval.

Vote: 3 - 0 - Unanimously

N. AI-58331

Approval of Payment Application No. 1 in the amount of \$140,737.75 submitted by Bearkat Construction LLC, awarded contractor for Precinct 1's Mile 9 North Road FEMA Project as certified for payment by project engineer, TEDSI Infrastructure Group, C-16-290-09-06.

Linda Fong informed that Martha Salazar is going to contact the vendor to obtain the information that's required to process payment and was going to recommend approving subject to confirmation of extension.

On motion by COMMISSIONER PCT. 4, JOSEPH PALACIOS, seconded by COMMISSIONER PCT. 1, DAVID FUENTES, the Court made a UNANIMOUS vote of approval subject to confirmation of extension.

Vote: 3 - 0 - Unanimously