

**HIDALGO COUNTY**  
**Professional Engineering Services**  
**Contract # C-12-126-10-16**  
**Work Authorization Form**

**WORK AUTHORIZATION NO. 1**

**THIS WORK AUTHORIZATION** is made pursuant to the terms and conditions of Article I of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "Owner," and, **L & G Consulting Engineers, Inc. d/b/a L&G Engineering**, professional engineers of **Mercedes, Texas** hereinafter called "Engineer".

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide Engineering Services required for the preparation of Environmental Assessment with TxDOT, Public Involvement, Schematic, Design, ROW Mapping, Compensable Utility Management for the 10<sup>th</sup> Street Extension Project from SH 107 to FM 1925.

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

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

**PART 2. ESTIMATED COST**

The estimated cost for services under this Work Authorization is \$ 621,824.10. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D-1" - Fee Schedule**.

**PART 3. PAYMENT**

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with **Article 6** of the Agreement.

**PART 4. FUNDING**

This **Work Authorization No. 1** shall be funded through funding source:  
Account No. 2-1341-431-00-124-030-XXX (*object code to be identified by Budget Dept*)  
Requisition Number 224606 (**MUST BE INCLUDED AFTER CC APPROVAL**)

**PART 5. PERIOD OF SERVICE**

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate upon completion of scopes of the work authorization, as identified on **EXHIBIT "C" – Work Schedule**.

**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

This Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

**PART 7. ACKNOWLEDGEMENT AND CONFIRMATION**

Acknowledgement and confirmation by Hidalgo County Precinct No. 4, Commissioner Joseph Palacios as to the content and detail of this Work Authorization No. 1.

**HIDALGO COUNTY  
COMMISSIONER PRECINCT NO. 4**

BY: Joseph Palacios

**PART 8. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on \_\_\_\_\_ as indicated below.

**THE ENGINEER:  
L&G ENGINEERING**

By: Jacinto Garza, P.E.  
President

**THE OWNER:  
HIDALGO COUNTY**

By: Ramon Garcia  
Ramon Garcia,  
County Judge

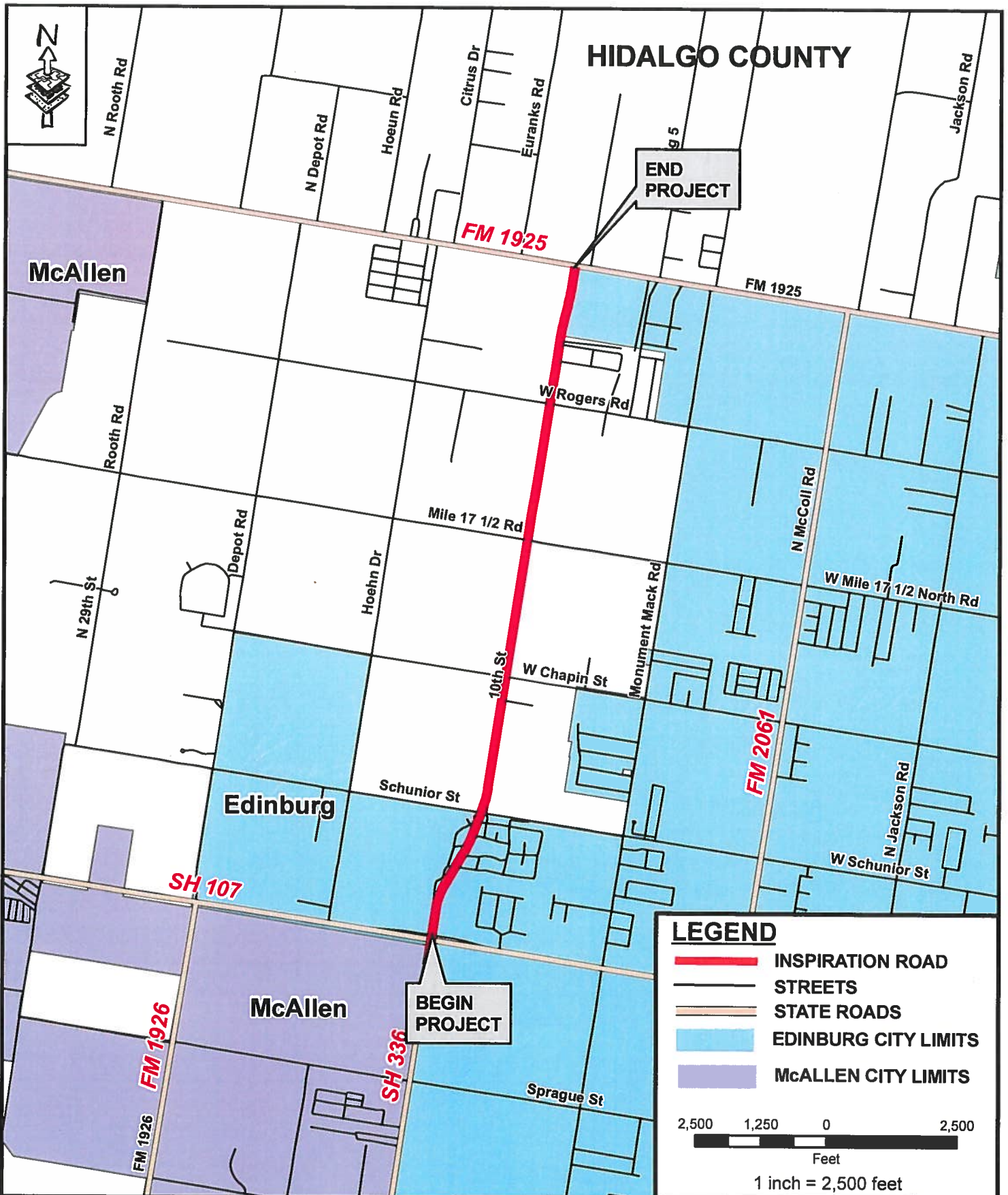
**ATTEST:**

By: Arturo Guajardo, Jr.  
County Clerk

Approved by Commissioners' Court  
on 10/16/12 *RU*

**LIST OF EXHIBITS**

- Location Map
- Exhibit A – Services to be provided by Owner
- Exhibit B – Services to be provided by Engineer
- Exhibit C – Work Schedule
- Exhibit D-1 – Fee Schedule



**EXHIBIT A**  
**10TH STREET EXTENSION**  
**LOCATION MAP**  
 FROM SH 107 TO FM 1925 (MONTE CRISTO RD)  
 APPROX. PROJECT LENGTH 2.5 MILES



**L & G Engineering**  
 Transportation Consulting Engineers

**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.

## GENERAL INSTRUCTIONS

ENGINEER shall mean L&G Engineering.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean the Hidalgo County.

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### PROJECT DESCRIPTION

The services designated herein as “Services provided by the ENGINEER” shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: HIDALGO COUNTY

CONTROL: \_\_\_\_\_

PROJECT/DESCRIPTION: 10<sup>th</sup> STREET EXTENSION PROJECT

LENGTH: VARIABLE

HIGHWAY: \_\_\_\_\_

LIMITS: from SH 107 TO FM 1925

### EXISTING FACILITY

### PROJECT CLASSIFICATION

(Place an “X” in only one Project Classification)

- Surface Treatment
- Overlay
- Rehabilitation Existing Road (Scarify & Reshape)
- Convert Non-Freeway to Freeway
- Widen Freeway
- Widen Non-Freeway
- New Location Toll Freeway
- New Location Non-Freeway
- Interchange (New or Reconstruct)
- Bridge Widening or Rehabilitation
- Bridge Replacement
- Upgrade to Standards - Freeway
- Upgrade to Standards - Non-Freeway
- Miscellaneous Studies (Use Function Code 110 for All Tasks)

### NOTES

**ROUTE AND DESIGN STUDIES**  
(Function Code 110)

Services  
Provided By:  
ENGINEER COUNTY

- |            |           |  |
|------------|-----------|--|
| <u>YES</u> | <u>NO</u> | 1. Route Location Studies*   |
| <u>NO</u>  | <u>NO</u> | 2. Level of Service Analysis**   |
| <u>YES</u> | <u>NO</u> | 3. Traffic Evaluations and Projections   |
| <u>YES</u> | <u>NO</u> | 4. Develop Roadway Design Criteria   |
| <u>YES</u> | <u>NO</u> | 5. Preliminary Cost Estimates  |
| <u>YES</u> | <u>NO</u> | 6. Design Schematic<br>(See Section 7, page 7-1 for schematic layout requirements) |
| <u>YES</u> | <u>NO</u> | 7. Preliminary Right-of-Way Requirements   |
| <u>YES</u> | <u>NO</u> | 8. Design Concept Conference   |
|            |           | 9. Soil Core Hole Drilling   |
| <u>NO</u>  | <u>NO</u> | a. Pavement (See Section 7, pages 7-2 thru 7-3 for requirements)                   |
| <u>NO</u>  | <u>NO</u> | b. Retaining Walls (See Section 10, page 10-1 thru 10-2 for requirements)          |
| <u>NO</u>  | <u>NO</u> | c. Miscellaneous Structures (See Section 10, page 10-4 for requirements)           |
| <u>NO</u>  | <u>NO</u> | d. Bridges (See Section 11, page 11-3 for requirements)                            |
- \* The Phase I or better survey for hazardous material should be included as a determining factor of route selection. Projects which do not require additional right of way should be considered separately from an expansion or new location.

**NOTES**

**SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT**

(Function Code 120)

Services

Provided By:

ENGINEER COUNTY

1. Environmental Reports
 

All Environmental Reports shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations, Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.

  - a. Environmental Assessments
    - (1) An Environmental Assessment shall be prepared, anticipating a Categorical Exclusion.
    - (2) An Environmental Assessment shall be prepared, anticipating a Finding of No Significant Impact.
    - (3) An Environmental Assessment shall be prepared, anticipating the need for a Draft Environmental Impact Statement.
  - b. Environmental Impact Statement
    - (1) A Draft Environmental Impact Statement shall be prepared. After appropriate interagency and public reviews within time limits prescribed by the Code of Federal Regulations, Title 23, Part 771 and 43 Texas Administrative Code 2.40-2.51, a Final Environmental Impact Statement shall be prepared.
    - (2) A Section 4(f) Statement (Department of Transportation Act) shall be provided by the ENGINEER. The format and content of the statement is found in FHWA Technical Advisory T6640.8A.
  
2. Public Involvement
 

All public involvement procedures shall be in accordance with 43 Texas Administrative Code (TAC) 2.40-2.51, Code of Federal Regulations Title 23, Part 771 and Highway Design Operations and Procedures Manual, Part II-B.

  - a. A public involvement meeting(s)/hearing(s) shall be scheduled, coordinated and conducted.\*
  - b. Technical assistance, meeting(s)/hearing(s) preparation, maintenance of contracts lists, minutes of meeting(s), exhibit preparation, and other tasks outlined by the COUNTY, shall be provided.
  
3. Cultural Resources
 

Formal consultation with the State Historic Preservation Office (SHPO) and the Texas Historical Commission (THC) will be conducted by the COUNTY.

  - a. Historic Structure Studies
 

A records search and reconnaissance survey shall be performed, and documentation prepared regarding identification efforts, National Register eligibility and potential impacts to historic properties in accordance with the state's historic structure requirements.
  - b. Archeological Studies
    - (1) Files searches shall be conducted to determine if known archeological sites are present; to identify whether these sites have been listed or determined eligible for the National Register of Historic Places or have been designated State Archeological Landmarks; and to identify the need (if any) to perform additional archeological investigations.
    - (2) Archeological reconnaissance will be performed under a Texas Antiquities Permit (13 TAC 26) signed for the Sponsor by a professional archeologist with the STATE.
    - (3) Archeological survey shall be performed under a Texas Antiquities Permit (13 TAC 26) signed for the Sponsor by a professional archeologist with the STATE.

Services

Provided By:

ENGINEER COUNTY

- |            |           |  |
|------------|-----------|--|
| <u>YES</u> | <u>NO</u> | 4. Noise and Air Quality Analyses  |
|            |           | a. Noise Analysis  |
|            |           | A noise analysis shall be prepared, including predicted noise levels and the consideration and evaluation of noise mitigation, in accordance with the STATE'S Noise Guidelines. The noise analysis or a summary of the noise analysis shall be included in the environmental document for the project.   |
| <u>YES</u> | <u>NO</u> | b. Air Quality Analysis  |
|            |           | An air quality analysis shall be prepared in accordance with the STATE'S Air Quality Guidelines. The air quality analysis or a summary of the air quality shall be included in the environmental document for the project.   |
| <u>NO</u>  | <u>NO</u> | 5. Ecological Investigations   |
|            |           | A wetland survey and if necessary, a wetland delineation shall be conducted and a "wetland finding" shall be provided if necessary. As part of the environmental phase of the project, the consultant should notify the District if it is believed that a Section 404 or Section 9 permit is required, and provide the technical data to the District for application to the U.S. Army Corps of Engineers and/or the U.S. Coast Guard. |
|            |           | A determination should be made if there are potential federally listed endangered or threatened species that could be impacted. The District will be notified as soon as possible that Section 7 or 10 consultations may be required. Supporting data will be furnished to the district when consultation with the U.S. Fish and Wildlife Service is undertaken.   |
| <u>YES</u> | <u>NO</u> | 6. Hazardous Materials   |
|            |           | The consultant shall perform an Environmental Site Assessment for hazardous materials impact in accordance with the American Society for Testing and Materials (ASTM) 1528.93 (Transaction Screen Process).  |
| <u>YES</u> | <u>NO</u> | 7. General Guidelines for Preparation of Environmental Documents   |
|            |           | a. The environmental document prepared shall be provided on paper and on a formatted diskette that is compatible with the word processor program and equipment of the district office.   |
|            |           | b. Three draft copies and twelve final copies of the Environmental Assessment shall be provided.   |
|            |           | c. Ten draft copies and thirty final copies of the Draft and Final Environmental Impact Statements shall be provided.  |
|            |           | d. The environmental document shall be prepared in accordance with the content and format of FHWA Technical Advisory T6640.8A.   |
|            |           | e. Exhibits in the environmental document shall be limited to 297 millimeters by 420.5 millimeters (11 inches by 17 inches) where possible.  |

**RIGHT-OF-WAY DATA**  
(Function Code 130)

Services  
Provided By:  
ENGINEER COUNTY

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

- |            |           |   |
|------------|-----------|---|
| <u>YES</u> | <u>NO</u> | 1. Ownership Data in a .dgn file<br>a. The entire project limits.<br>b. Compensable utility ownership that has property rights on ROW shall be researched and provided.<br>c. For each drainage outfall property<br>d. For each irrigation structure pipe.  |
| <u>YES</u> | <u>NO</u> | 2. Parcel plats & Right-of-Way Map<br>a. A ROW map, parcel plats and field notes shall be prepared and furnished.<br>b. All plats and field notes must be signed and sealed by a Registered Professional Land Surveyor (RPLS).<br>c. ROW map must depict all improvements affecting ROW.  |
| <u>YES</u> | <u>NO</u> | 3. Utilities (Compensable)<br>a. Property ownership with recording information shall be shown on ROW Map and Parcel Plats with distance ties to property corners in an effort to locate utility.  |
| <u>YES</u> | <u>NO</u> | 4. Field Notes<br>a. Field notes and plats, signed and sealed by a Registered Professional Land Surveyor, for all parcels on the ROW Map<br>b. Computation Sheets for Survey Closure and Area for Each Parcel.<br>c. Ground surveys and preparation of parcel maps, legal descriptions, and right of way maps.  |
| <u>YES</u> | <u>NO</u> | 5. Survey and Stake Right-of-Way  |
| <u>YES</u> | <u>NO</u> | 6. Records as Required by the County and State<br>a. Records used to establish ownership  |
| <u>YES</u> | <u>NO</u> | 7. General Guidelines for Preparation of Right-of-Way Maps<br><i>(Sample ROW Maps and Parcel Plats and field notes attached)</i><br><b>GENERAL SPECIFICATIONS</b><br>a. All data submitted by the surveyor will be legible, organized and well documented.<br>b. The surveyor shall provide temporary signs and shall control traffic near surveying operations adequately to comply with provisions of the MUTCD; a copy of which the Surveyor acknowledges has been furnished to him. All signs, flags, and safety equipment are to be provided by the surveyor.<br>c. Permission to enter private property for surveying (Right-Of-Entry) shall be the sole responsibility of the surveyor.<br>d. The surveyor will be held responsible for the correctness of his services. The surveyor will be responsible for the completion of his services.<br>e. The surveyor will be required to complete the attached "Right-of-Way Map Checklist" and submit along with the completed R.O.W. map. All requirements of attached R.O.W. map checklist must be complete, accurate and also considered to be essential and is a part of this contract. |

**PROJECT SPECIFIC SCOPE OF SERVICES**

FC 130 – RIGHT-OF-WAY DATA – Abstract analysis, development of ROW Map sheets including parcel plats and field notes with Metes & Bounds field descriptions, and Title Commitments.

FC 150 – FIELD SURVEYING FOR PARCEL MAPPING – Recover horizontal & vertical control, locate and field tie existing ROW and boundary corners. Update topography, and reestablish corners for ROW map revisions.

**SURVEYING SCOPE OF SERVICES FOR PARCEL MAPPING**

FC 130 – RIGHT-OF-WAY DATA

Right-of-Way Documents - The SURVEYOR will utilize State examples and provide the following:

**GENERAL**

- a. Abstracting: The SURVEYOR will determine Ownership Data.
- b. Prepare individual parcel maps and field notes as needed to properly describe the right-of-way the State is to acquire.
- c. All procedures involving right-of-way maps will be in accordance with the STATE'S Right-of-Way Book I and Book II, the State's local operating procedures and according to the Texas Board of Professional Land Surveying Practices Act.
- d. All required documents will be in English units.
- e. The SURVEYOR will monument all corners with a 5/8 inch iron rod with a Surveyor's plastic cap on all parcel boundary corners.
- f. The SURVEYOR will provide to the STATE a copy of Instruments of Record.
- g. The SURVEYOR will attach graphics files compatible with the latest version of Micro-Station graphics software.
- h. The SURVEYOR will attach documents or text files compatible with the latest version of Word software.

**PARCEL PLATS**

- a. A parcel plat will be prepared for each parcel of land to be acquired. The STATE has developed standard formats for parcel plats, copies of which the SURVEYOR will request and secure for all purposes
- b. Parcel boundary lines will be delineated with appropriate bearings, distances, and curve data.
- c. Private property lines will be delineated with appropriate bearings, distances, and curve data to the extent necessary to describe the individual parcels of land to be acquired.
- d. League lines and survey lines will be shown and identified by name and abstract number.
- e. A north arrow will be shown on each sheet and, if possible, in the upper right hand corner.
- f. Monumentation set or found will be shown and described as to material and size.
- g. A station and offset will be shown for each PC, PT, and angle point in the proposed right-of-way lines and the existing right-of-way lines in areas of no proposed acquisition.
- h. Intersecting streets will be shown and identified by name and right-of-way width.
- i. A parent tract inset will be shown for each parent tract.
- j. A note will be included on each map sheet stating the basis of bearings, coordinates, and datum used.
- k. Appropriate notes will be included on the title sheet stating the following:
  - a. Month(s) and year abstracting was performed 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 map was completed by the SURVEYOR.
- l. The right-of-way account number and R.O.W. CSJ if available will be shown on each parcel map sheet.

- m. All parcel maps should be 8-1/2" x 11" signed and sealed by a Registered Professional Land Surveyor and note referencing legal description.
- n. The acreage of the part taken should be shown to three decimal places, rounded.

**FIELD NOTE DESCRIPTIONS**

A field note description will be prepared for each parcel of land to be acquired. Field note descriptions will include, but need not be limited to, the following:

- a. The field note description will begin with a general description that will include, as a minimum:
  - (1) State, county, and city within which the proposed parcel of land to be acquired is located.
  - (2) A reference to unrecorded and recorded subdivisions by name, lot, block, and recording data to the extent applicable.
  - (3) 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.
- b. The field note description will continue with a metes and bounds description that will include, as a minimum:
  - (1) A point of commencing (outside property corner).
  - (2) A point of beginning on proposed R.O.W. line.
  - (3) 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.
  - (4) A description (8-1/2" x 11") of all monumentation set or found to include, as a minimum, size and material.
  - (5) All field note descriptions will be signed and sealed by a Registered Professional Land Surveyor.
  - (6) Note referencing parcel plat.



- Survey, county, and city limit lines shown and labeled
- Improvements shown and labeled (*see below*)
- Monumentation i.e. P.C., P.T., Break Points
- North arrow
- Scale
- Property lines
- Property descriptions i.e., lot, block, tract, subdivision, etc...
- Identify existing and proposed access denial locations (*if applicable*)

**PROPOSED INFORMATION**

- Type II Monumentation i.e. P.C., P.T., Break Points and 1500' intervals
- Survey and R.O.W. lines
- Basis of bearings
- Parcel bearings and distances correspond with traverse sheet
- Outside ties ( P.O.C.) corresponds with field notes
- Point of beginning (P.O.B.) established on proposed R.O.W. line
- Parcel tied to baseline
- Baseline information shown i.e. Stationing, bearings, curve data, etc...
- Conveyance information shown in tables i.e. parcel number, grantors name, amount of take, remainder etc...
- Math checked on remainder

**IMPROVEMENTS**

- Improvements bisected or within 25' of proposed R.O.W. line are shown on map with stationing and distance from proposed R.O.W. line. Buildings are labeled and dimensioned.
- Off-premise outdoor advertising signs within proposed R.O.W. are shown and labeled.

**UTILITIES**

- All utilities within or crossing existing and proposed right of way are shown and labeled as to size, easement or fee width, and recording data of instrument.
- Location of underground storage tanks and/or filler caps are shown and labeled

**\* DO NOT SEAL MAP**

**FIELD NOTES HEADING**

- County
- Highway
- Parcel number
- R.O.W. CSJ
- Construction CSJ

**GENERAL DESCRIPTION OR "PREAMBLE"**

- Area of parcel to be acquired is shown in acreage (0.000) for rural land and/or square feet (to nearest whole sq. ft.) for urban land or smaller parcels

**PARENT TRACT DATA IS SHOWN**

- Size of parent tract
- Survey data or lot, block, and subdivision
- Name of last recorded seller and buyer
- Date, volume and page or document number of last recorded conveyance
- Records and county of last recorded conveyance

**BEGINNING DESCRIPTION**

- Point of commencement is on outside tie and is described accurately by bearings and distances as it leads to the point of beginning.
- Point of beginning is on proposed R.O.W. line

**PARTICULAR DESCRIPTION**

- Traverse calls are clockwise sequence
- Bearings and distances correspond exactly with map, parcel sketch, and traverse sheet
- Bearings are to nearest whole second and distances are to the nearest one-hundredth of a foot
- Calls are numbered
- Denial of access shall be described from beginning to end (*if applicable*)

**CLOSING DESCRIPTION**

- Last call leads back to P.O.B.
- Restates area of parcel
- Establishes taking in existing road R.O.W. (*if applicable*)
- Legal description is referenced to Plat
- Sealed and signed
- Include an access clause whether access is permitted or denied (*if applicable*)

**PARCEL SKETCH**

- Shows P.O.B. and P.O.C.
- All data corresponds exactly with Map and Field Notes
- Sheet size is no larger than 8 1/2" x 11"
- Plat closely matches example provided
- Plat referenced to legal description
- Sealed and signed
- Include an access clause whether access is permitted or denied (*if applicable*)
- Existing utility lines and easements (deed reference, if available);

**TRAVERSE SHEET**

- Computations show area to be acquired in sq. ft. or acres, whichever is applicable
- Computations show area that is existing road R.O.W. (*if applicable*)
- Traverse calls are in clockwise sequence
- Error of closure meets the following:

Secondary rural	.0003
Primary rural - secondary urban	.0002
Urban or industrial	.00013

**FIELD SURVEYING AND PHOTOGRAMMETRY**  
 (Function Code 150)

Services  
 Provided By:  
ENGINEER COUNTY

- |   |  |
|---|--|
| <p><u>YES</u>      <u>NO</u></p>  | <p>1. Field Surveying</p> <p>a. Primary Project Control – 3 to 5 miles spacing<br/>                 Precision shall be 1 part in 20,000 or better, unless otherwise directed by the District Engineer.<br/>                 (1) Establish horizontal control points<br/>                 (2) Establish vertical control points</p> <p>NOTE: ALL BEARING AND DISTANCE SHALL BE BASED ON THE STATE PLANE COORDINATE SYSTEM NAD 1983, SOUTH ZONE.</p> <p>ALL DISTANCES AND COORDINATES SHALL BE SURFACE AND MAY BE CONVERTED TO GRID BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.999960</p>  |
| <p><u>YES</u>      <u>NO</u></p>  | <p>b. Secondary Project Control – Surveyor shall recover and/or reset H&amp;V Control Points as provided by the Engineer and create Survey Data Sheets for inclusion in the Project Plans.</p> <ul style="list-style-type: none"> <li>• No traverse should exceed 25 angle points. Planimetrics shall be 20 ft Lt &amp; Rt from the proposed ROW as per the schematic provided by the Engineer.</li> <li>• The unadjusted angular error should not exceed 2 seconds per angle, plus 14 seconds.</li> <li>• 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.)</li> <li>• The unadjusted vertical error should not exceed 0.03 foot per mile of traverse.</li> </ul> <p>(1) Project control base lines</p>  |
| <p><u>NO</u>      <u>NO</u><br/> <u>NO</u>      <u>NO</u><br/> <u>NO</u>      <u>NO</u><br/> <u>NO</u>      <u>NO</u></p> | <p>(2) Photogrammetric ground control</p> <ul style="list-style-type: none"> <li>(a) Establish horizontal control</li> <li>(b) Establish vertical control points</li> <li>(c) Place and maintain control point targets</li> </ul>  |
| <p><u>YES</u>      <u>NO</u></p>  | <p>c. Other Field Surveying</p> <p>(1) <b>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.</b> Set benchmarks at 1000-ft intervals along the project proposed right-of-way. Provide x, y, z for each Benchmark. Provide a BM along each outfall identified on the Hydrologic Map. The BM's shall be #5 I.R. 2-ft in depth set in concrete. <b>The surveyor shall provide an H&amp;V Book (a Sample shall be provided by the Engineer to the Surveyor).</b> The Surveyor will provide a 3-pt reference sketch with ties to the BMs for inclusion the existing H&amp;V Control Book. Establish benchmark circuit throughout the project with a tolerance of 0.03'/ft per mile error vertically.</p> <p>(2) Complete topographic and cross section survey, data processing, and CADD mapping (2D &amp; 3D) for the limits of the project.</p> <p>(3) Locate all visible utilities, data processing and CADD mapping (2D &amp; 3D) including irrigation lines. Follow sample provided by the Engineer.</p> <p>(4) Field locate cross culverts, driveway culverts, inverts, irrigation lines, within the project limits, data processing and CADD mapping (2D &amp; 3D).</p> |

Services  
 Provided By:  
ENGINEER COUNTY

- |  |  |
|--|--|
| <p><u>YES</u>      <u>NO</u></p>                                   | <p>c. Other Field Surveying (<i>continued</i>)</p> <p>(5) Right of Entry, Right of Way Research, and Appraisal District Records is the responsibility of the Surveyor.</p> <p>(6) The Surveyor shall also paint the proposed centerline on the existing pavement as approved by Engineer. (500-ft stations and a tick mark at 100 ft. stations –12 inches long with approved paint by Engineer) before construction for the purpose of utility adjustments and project location.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> |
| <p><u>YES</u>      <u>NO</u></p>                                   | <p>(10) Tie to existing underground and overhead utilities (location, elevation and direction)</p> <p><u>Horizontally</u> – 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.</p> <p><u>Vertically</u> – 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.</p>  |
| <p><u>YES</u>      <u>NO</u></p>                                   | <p>(11) Additional Field Surveying as shown below:</p> <p>(a) <u>IRRIGATION LINES</u> – The surveyor will meet with the engineer before he ties down any irrigation lines. The Engineer will provide him the existing Irrigation District Maps and the A&amp;M Data of existing irrigation lines that are identified of record. He will follow the sample given to him by the engineer and tie the structures horizontally and vertically and provide Field Books to the engineer.</p> <p>(b) <u>OUTFALLS</u> – The surveyor will provide a complete 2D &amp; 3D File including utilities of the outfall identified on the Hydrologic Map.</p> <p>(12) Driveways and Turnouts</p> <p>(a) Inventory commercial entrances, public roads and side streets separately.</p> <p>(b) Obtain centerline station. (Width at ROW, PAV'T and existing radius.</p> <p>(c) Inventory by type (dirt, caliche, gravel or paved). If paved, indicate condition in terms of no patches, has patches or has potholes.</p> <p>(d) Obtain width at R.O.W. line.</p> <p>(e) Obtain elevations at both edges of the driveway or turnout in line with the side drain.</p>   |
| <p><u>YES</u>      <u>NO</u></p>                                   | <p>(13) ROW staking (Existing and Proposed @ 1,000 ft. stations PC's PT's and Angle points as per ROW Map)</p>   |
| <p><u>NO</u>        <u>NO</u><br/> <u>YES</u>        <u>NO</u></p> | <p>(14) Soil core hole staking.</p> <p>(15) Determine changes in topography from voids and outdated maps due to development, erosion, etc.</p>   |
| <p><u>NO</u>        <u>NO</u><br/> <u>NO</u>        <u>NO</u></p>  | <p>(16) Profiles of existing drainage facilities.</p> <p>(17) Measurement of hydraulic opening under existing bridges.</p>   |

Services

Provided By:

ENGINEER   COUNTY

YES      NO  
YES      NO  
YES      NO  
N/A      N/A

YES      N/A  
YES      N/A

N/A      N/A

- c. Other Field Surveying (*continued*)
  - (18) Obtain elevations of manholes and valves of utilities
  - (19) Provide temporary signs, traffic control, flags, safety equipment, etc.
  - (20) Ties to existing bridges or culverts that may conflict with new construction.
  - (21) Bridge widening top of deck and/or top of cap elevations at the Profile Grade Line (PGL) and the edges of slab at bent locations.
  - (22) Inventory signs, mailboxes, and driveways
  - (23) Survey controlled data sheets per TxDOT guidelines.
  
- 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)

**ROADWAY DESIGN CONTROLS**

(Function Code 160)

Services  
Provided By:  
ENGINEER COUNTY

- |            |           |  |
|------------|-----------|--|
| <u>NO</u>  | <u>NO</u> | 1. Geometric Design  |
| <u>YES</u> | <u>NO</u> | a. Horizontal and Vertical Alignment   |
|            |           | b. Schematic Layout  |
|            |           | (1) The location of interchanges, main lanes, grade separations, frontage roads and ramps.   |
|            |           | (2) Develop vertical and horizontal alignment of main lanes, ramps and cross roads at proposed interchanges or grade separations. Frontage road alignment data need not be shown on the schematic; however, it should be developed in sufficient detail to determine ROW needs. The degree of horizontal curves and vertical curve data, including “K” values, shall also be shown for ease of checking.   |
|            |           | (3) For freeways, show the location and text of the proposed main lane guide signs. Lane lines and/or arrows indicating the number of lanes shall also be shown.   |
|            |           | (4) A complete explanation of the sequence and methods of stage construction, if proposed, including the initial and ultimate proposed treatment of crossovers and ramps.  |
|            |           | (5) The tentative ROW limits.  |
|            |           | (a) Provide a roadway Design System (RDS) or (GEOPAK) computer tape of the preliminary earthwork to verify ROW requirements.   |
|            |           | (b) Provide a graphics file containing the approved schematic.   |
|            |           | (6) The geometric (pavement cross slopes, lane and shoulder widths, slope rates for fills and cuts) of the typical sections of proposed highway main lanes, ramps, frontage roads, and cross roads.  |
|            |           | (7) The current and projected traffic volumes as provided by the TxDOT (20 year traffic projection, unless otherwise determined by the District Engineer).   |
|            |           | (8) The control of access lines if Interstate or designated under House Bill 179.  |
|            |           | (9) Direction of traffic flow on all roadways.   |
|            |           | (10) Location and width of median openings for highway without access control.   |
|            |           | (11) The geometric of speed change (acceleration, deceleration, climbing) lanes.   |
| _____      | _____     | 2. General Guidelines for Project Development  |
|            |           | a. Prior to preparing detailed plans for a proposed project, a preliminary schematic layout shall be prepared which indicates the general geometric features and location requirements peculiar to the project. An uncontrolled aerial mosaic will be provided for this use. Four copies of the schematic layout shall be submitted through the district to the Design Division for approval and subsequent coordination with the Federal Highway Administration (FHWA) where applicable. The layout shall be submitted for two-lane arterial highway projects on new locations and for all multi-lane highway projects. <b>No geometric design is to be performed until the COUNTY has given the engineer written approval of the preliminary schematic layout.</b> |
|            |           | b. All geometric design shall be in conformance with the State's Design Division, Operations and Procedures Manual, except where variances are permitted in writing by the STATE.  |
|            |           | c. The schematic layout shall include basic information which is necessary for the proper review and evaluation including the items listed above in the checklist for schematic layout.  |
|            |           | d. Handling of traffic during construction shall be a consideration in the development of preliminary designs.   |

**DRAINAGE**  
 (Function Code 161)

Services  
 Provided By:  
ENGINEER COUNTY

All hydraulic design shall be in accordance with the TxDOT's Hydraulic Manual, except where variances are permitted in writing by the COUNTY.

<u>YES</u>	<u>NO</u>	1. Hydrologic Studies, Discharges
<u>YES</u>	<u>NO</u>	a. Drainage area maps showing existing conditions and proposed improvements.
		b. Hydrologic data/discharge determination
		2. Hydraulic Drainage Study and Documentation
<u>N/A</u>	<u>N/A</u>	a. Hydraulic computations
		(1) Storm water detention available within the ROW (linear ft. along side drain ditch).
<u>NO</u>	<u>NO</u>	(2) Storm water detention required outside the ROW (as per HCDD#1)
<u>YES</u>	<u>NO</u>	(3) Culverts
<u>YES</u>	<u>NO</u>	(4) Bridge waterways
<u>YES</u>	<u>NO</u>	(5) Channels
<u>YES</u>	<u>NO</u>	(6) Storm sewers/inlets
<u>NO</u>	<u>NO</u>	(7) Pump stations
<u>YES</u>	<u>NO</u>	(8) Storm Water Management facilities
<u>YES</u>	<u>N/A</u>	(9) Other
		(a) Irrigation Canals/Siphons
<u>NO</u>	<u>NO</u>	b. Hydraulic report(s)
<u>N/A</u>	<u>N/A</u>	c. Federal Emergency Management Agency (FEMA) floodway requirements
<u>NO</u>	<u>N/A</u>	d. Determine impact of proposed drainage plan on the following receiving stream(s)
		(1) Hidalgo County Drainage District Outfalls
		(2) All Irrigation District Outfalls impacted
		3. Layout, Structural Design and Detailing of Drainage Features
		a. Culverts
<u>YES</u>	<u>NO</u>	(1) New culverts
<u>YES</u>	<u>NO</u>	(2) Culvert widening and/or lengthening
<u>YES</u>	<u>NO</u>	(3) Culvert replacements
		b. Storm sewers
<u>YES</u>	<u>NO</u>	(1) New storm sewers
<u>YES</u>	<u>NO</u>	(2) Modify existing storm sewers
<u>YES</u>	<u>NO</u>	(3) Inlets
<u>YES</u>	<u>NO</u>	(4) Manholes
<u>YES</u>	<u>NO</u>	(5) Trunk lines
		c. Pump stations
<u>YES</u>	<u>NO</u>	d. Subsurface drainage at retaining walls
<u>YES</u>	<u>N/A</u>	e. Outfall channel(s) within the ROW
<u>YES</u>	<u>NO</u>	f. Outfall channel(s) outside the ROW
<u>NO</u>	<u>NO</u>	g. Detention Pond(s) within the ROW
<u>NO</u>	<u>NO</u>	h. Detention Pond(s) outside the ROW
<u>YES</u>	<u>NO</u>	i. Summary of Quantities
<u>YES</u>	<u>NO</u>	j. Storm Water Management facilities
<u>YES</u>	<u>NO</u>	4. Storm Water Pollution Prevention Plan (SW3P)
<u>NO</u>	<u>NO</u>	5. Scour Evaluation - Waterway Structures only (to be completed by Bridge Engineer under FC 170.

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**ADDITIONAL RESONSIBILITIES**  
**(As applicable to Work Authorization No. 1)**

**Easements, Letters of Permission, Etc.**

The ENGINEER shall be responsible for delineating easements. The ENGINEER will be responsible for securing the necessary legal instruments.

**Coordination of Utilities**

The ENGINEER shall furnish the COUNTY prints of a project layout which will be distributed by ENGINEER to various utility companies to determine which utilities are in the limits of the project. These shall be preliminary layouts. Upon completion of the preliminary drainage plans and U&D sheets, the ENGINEER shall distribute to the various utility companies and request return. Upon return of these prints, the ENGINEER will schedule a meeting with the various utility companies to discuss potential conflicts and conformance with the State's Utility Accommodation Policy. The ENGINEER is responsible for coordination with the various utility companies for exposing potential conflicts and field ties to uncover utilities in potential conflict areas.

**Meetings**

Meetings will be held with the FHWA, State Officials, local governments, property owners, utility owners, railroad companies, other consulting firms, etc., as needed or required by the COUNTY. The ENGINEER shall coordinate through the COUNTY for the development of this project with any local entity having jurisdiction or interest in the project (i.e., city, county, etc).

**Specifications, Special Provisions, Special Specifications**

Use the State's standard specifications or previously approved special provisions and/or special specifications. If a special provision and/or special specification is developed for this project, it shall be in the State's format and incorporate references to approved State test procedures.

**Project Manager/Engineer Communication**

The ENGINEER shall designate one Texas Registered Professional Engineer to be responsible throughout the project for project management and all communications, including billing, with the COUNTY's Director. Any replacements to the ENGINEER's designated Project Manager/Engineer must be approved by the COUNTY.

Engineering documents produced for the department's engineering projects shall be signed, sealed and dated or CADD sealed in accordance with Administrative Order No. 5-89 and Administrative Circular No. 26-91.

**Design Responsibilities**

The ENGINEER is responsible for design errors and/or omissions that become evident before, during or after construction of the project. The ENGINEER's responsibility for all questions arising from design errors and/or omissions will be determined by the COUNTY and all decisions shall be final and binding. This would include, but not necessarily be limited to:

1. All design errors and/or omissions resulting in additional design work to correct the errors and/or omissions.
2. Preparation of design documents and detail drawings necessary for a field change due to design errors and/or omissions.
3. Revision of original tracings to the extent required for a field change due to design errors and/or omissions.

The ENGINEER shall promptly make necessary revisions or corrections resulting from the ENGINEER's errors, omissions or negligent acts without additional compensation. Acceptance of the work by the COUNTY will not relieve the ENGINEER of the responsibility for subsequent correction of any such errors or omissions or for clarification of any ambiguities.

**Document and Information Exchange**

Data, Plan Sheets, General Notes and/or Specifications provided to the COUNTY shall be furnished on 8GB USB flash drives. Each 8 GB flash drive shall have a file titled Table of Contents. The Table of Contents shall indicate the locations of files within the directory structure of the documentation.

General Notes and specifications shall be provided in MS Office 2007 format. Plan sheets shall be provided in Microstation DGN or GEOPAK GPK format. PDF copies of plan sheets shall also be provided.

Two copies of the documentation shall be provided to the COUNTY.

If required, the ENGINEER shall provide to the COUNTY, a CD that contains all the plan sheets for the project. The graphics tape shall be compatible with the COUNTY's computer system.

CD Tape Required (YES or NO): YES

**Proposal Time**

The time indicated in the proposal and the contract shall include time necessary for reviews, approval, etc.

**Office Location**

The ENGINEER will perform the services to be provided under this agreement out of their office or offices listed below:

<u>Service</u>	<u>Office Location</u>
PS&E	Mission Office
Schematic	Mission Office
Environmental Document	Mercedes Office

The work effort will be managed out of the \_\_\_\_\_ Mercedes \_\_\_\_\_  
(City)  
office located at 2100 West Expressway 83 \_\_\_\_\_,  
(Address)  
Mercedes \_\_\_\_\_, \_\_\_\_\_ Texas \_\_\_\_\_.  
(City) (State)



**EXHIBIT "D-1"**  
FEE SCHEDULE

**ESTIMATED PRELIMINARY  
PROJECT FACT SHEET  
10TH ST. EXTENSION PROJECT**

ROADWAY PROJECT: .....	10th St. North Extension PROJECT	
LIMITS: .....	SH 107 to FM 1925	
EXISTING ROADWAY SECTION: .....	40' – Rural	
EXISTING ROW WIDTH: .....	80 Varies and New Location	
PROPOSED ROADWAY SECTION: .....	4-lane divided urban	
PROPOSED ROW WIDTH: .....	120ft	
ESTIMATED CONSTRUCTION COST .....	<b>\$8,250,000.00</b>	
LENGTH: .....	2.5 Miles	
<b>ESTIMATED PROJECT COSTS</b>	<b>STATE/MPO</b>	<b>LOCAL</b>
<b>WORK AUTHORIZATION NO. 1</b>		
<b>PHASE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, DESIGN, ROW MAPPING</b>		
Environmental Assessment with TxDOT		\$ 95,024.83
Public Involvement for Environmental Assessment		\$ 20,019.67
Archeological and Historical Research		\$ 20,022.48
Engineering Technical Support at Public Mtgs with Layouts etc		\$ 20,005.84
Schematic		\$ 118,815.08
Hydrological Map		\$ 30,017.18
Office Surveys for Schematic (Preliminary Ownership Identification and Property Rights)		\$ 20,017.05
ROW Map (ESTIMATED 52 PARCELS)		\$ 207,906.22
Relocated Homes/Businesses		\$ -
Compensable Utility Management Oversight (1-person for 10 months) /2 Phase I Work		\$ 89,995.75
<b>SUB-TOTAL</b>	<b>\$ -</b>	<b>\$ 621,824.10</b>
<b>WORK AUTHORIZATION NO. 2</b>		
<b>PHASE II- PS&amp;E and ROW Acquisition</b>		
Right-of-Way Costs - Acq. Services @ (est. 52 Parcels @ \$12,800/Parcel Avg.)		\$ 665,600.00
Compensable Utilities Management Oversight (1-person for 10 months) /2 Phase II Work		\$ 90,000.00
Roadway Right-of-Way Costs - (120 ft. for 1/2 mile @ \$4.00/sq ft)	\$ 960,000.00	\$ 240,000.00
COMPENSABLE UTILITY COSTS (UNKOWN \$300,000 IS FOR BUDGET PURPOSES)	\$ 240,000.00	\$ 60,000.00
Field Surveys for Design and Construction		\$ 125,000.00
PS&E Development		\$ 660,000.00
PS&E Development for OUTFALL(S)		UNKNOWN
Signal Design		\$ 120,000.00
Permitted Utilities Coordination	\$ -	\$ 90,000.00
<b>PHASE II- CONSTRUCTION OVERSIGHT</b>		
ROADWAY CONSTRUCTION COST	\$ 8,167,500.00	\$ 82,500.00
Construction Inspection & Testing (11.5%)	\$ -	\$ 948,750.00
L&G Construction Management (18 Months)		\$ 162,000.00
<b>SUB-TOTAL</b>	<b>\$ 9,367,500.00</b>	<b>\$ 3,243,850.00</b>
<b>GRAND TOTAL</b>	<b>\$9,367,500.00</b>	<b>\$ 3,865,674.10</b>

Work Authorization No. 1 Phase I	FY 12	\$ 621,824.10	NOT ISSUED
Work Authorization No. 2 Phase II	FY 13	\$ 1,912,600.00	NOT ISSUED

State Estimated Cost  
 Local Estimated Cost

<b>TOTAL ESTIMATED COUNTY COST:</b>	<b>\$</b>	<b>3,865,674.10</b>	29.21%
<b>TOTAL ESTIMATED PROJECT COST:</b>	<b>\$</b>	<b>13,233,174.10</b>	
<b>COUNTY COSTS NOT INCLUDED IN WORK AUTHORIZATION:</b>	<b>\$</b>	<b>1,331,250.00</b>	
<b>COUNTY COSTS ELIGIBLE (NOT AVAILABLE YET) FOR FEDERAL FUNDS</b>		<b>\$ 948,750.00</b>	

**EXHIBIT D-1**  
**PROJECT FEE SCHEDULE AND**  
**ESTIMATED MANHOUR BREAKDOWN**

10TH STREET EXTENSION PROJECT

	MANHOURS												TOTAL HOURS	Sub-Contract Amounts / ROW COST	TOTAL LINE ITEM COST
	Senior Project Manager	Senior Engineer	Project Engineer	Design Engineer	EIT	Senior Engineer Tech	Engineer Tech	CADD Operator	Senior Environmental Scientist /Specialist	Environmental Scientist /Specialist	Admin / Clerical				
<b>CONTRACT RATE</b>	199.89	166.58	119.38	105.50	72.18	69.41	66.63	58.30	119.38	69.41	49.97				
<b>WORK AUTHORIZATION NO. 1</b>															
<b>PHASE I - EA, PUBLIC INVOLVEMENT, SCHEMATIC, DESIGN, ROW MAPPING</b>															
1 Environmental Assessment with TxDOT	70	0	55	0	0	0	0	0	200	600	179	1104		\$ 95,024.83	
2 Public Involvement for Environmental Assessment	49	0	10	26	0	26	0	0	25	0	30	166		\$ 20,019.67	
3 Archeological and Historical Research	51	0	10	25	0	29	0	0	25	0	20	160		\$ 20,022.48	
4 Engineering Technical Support at Public Meetings with Layouts, etc.	25	20	16	16	0	16	16	16	16	16	39	196		\$ 20,005.84	
5 Schematic	84	90	360	186	0	352	0	0	0	0	0	1072		\$ 118,815.08	
6 Hydrological Map	48	79	0	0	0	0	100	0	0	0	12	239		\$ 30,017.18	
7 Office Surveys for Schematic (Preliminary Ownership Identification and Property Rights)	30	20	0	10	0	80	0	40	0	0	35	215		\$ 20,017.05	
8 ROW Map (ESTIMATED 52 PARCELS)	50	40	30	0	0	0	42	20	0	0	34	216	\$ 182,003.68	\$ 25,902.54	
9 Relocated Homes/Businesses	0	0	0	0	0	0	0	0	0	0	0	0		\$ -	
10 Compensable Utility Management Oversight (1-person for 10 mo.) / 2 Phase I Work	119	90	158	3	0	200	0	200	0	0	130	900		\$ 89,995.75	
<b>SUB-TOTAL</b>	<b>526</b>	<b>339</b>	<b>639</b>	<b>268</b>	<b>0</b>	<b>703</b>	<b>158</b>	<b>276</b>	<b>266</b>	<b>616</b>	<b>479</b>	<b>4268</b>	<b>\$ 182,003.68</b>	<b>\$ 439,820.42</b>	

Subtotal Manhour Fee with Sub-Consultant Costs \$ 621,824.10

**Total Project Fee: \$ 621,824.10**

**APPROVED**

**AI-34701**

**Purchasing Department**

**42. G. 0.**

**CC REGULAR**

**Meeting**

**Date:**

**10/16/2012**

**Submitted For:** Martha L Salazar

**Submitted By:** Letty Saenz, PURCHASING DEPT.

**Department:** PURCHASING DEPT.

Information

CAPTION

a. Requesting approval of a "professional engineering services" agreement with **L&G CONSULTING ENGINEERS, INC. d/b/a L&G ENGINEERING** for: "Professional Engineering Services" in connection to "job specific" **PROJECT: "Extension of 10th Street (SH 107 to FM 1925) within Hidalgo County Precinct No. 4.**



b. Requesting approval of **Work Authorization No. 1 (Phase I)** for (\$ 621, 824.10) from **L&G CONSULTING ENGINEERS, INC. d/b/a L&G ENGINEERING** for Professional Engineering Services" in connection to "job specific" **PROJECT: Preperation of Environment Assessmental Assessment with TxDOT, Pblc Involvment, Schematic, Design, ROW Mapping, Compensable Utility Management for: Extension of 10th Street (SH 107 to FM 1925)within Hidalgo County Precinct No. 4.**

c. Requesting approval of a "professional surveying services" agreement with **DOS LAND SURVEYING** for: "**Surveying Services**" (on an as needed basis) for projects located within **Hidalgo County Precinct No. 4.**

d. Requesting approval of a professional services agreement with **HARVEY L. HEERSSEN d/b/a HLH APPRAISAL SERVICES** for the purposes of "**Review of Appraisal Services**" (on an as needed basis) for projects located with **Hidalgo County Precinct No. 4.**

BACKGROUND

Contract #C-12-126-10-16-L & G Engineering (Extension of 10th Street Project)

Work Authorization No. 1 (Phase I) - L & G Engineering - C-12-126-10-16 (Extension of 10th Street Project)

Contract # C-12-223-10-16 - HLH Appraisal Services

Contract # C-12-224-10-16 - Dos Land Surveying

Fiscal Impact

FISCAL YEAR: 2012

ACCT. #: 2-1200-431-00-124-007-0-719

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

FISCAL YEAR: 2012

ACCT. #: 2-1200-431-00-124-007-0-731

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

FISCAL YEAR: 2012

ACCT. #: 2-1341-431-00-124-030-XXX

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

FISCAL YEAR:

ACCT. #:

FUNDS AVAILABLE Y/N?:

MATCHING FUNDS Y/N?:

BUDGETARY IMPACT:

Acct# 2-1341-431-00-124-030-XXX (obj. code to be determined by Budget Dept per Pct 4 staff)

\*\*Note: This acct to be utilized for Project: Extension of 10th Street within Precinct 4 with contracted engineering firm, L&G Engineering

Attachments

Contract#C-12-126-10-16-L&G Engineering-10th St Proj-Pct 4

WA#1-L&G Eng(10th St Proj)-Pct 4

email-legal apprvd L&G

email-legal apprvd WA-L&G

Contract#C-12-223-10-16-HLH Appraisals-Pct 4

email-legal apprvd-HLH

Contract#C-12-224-10-16-DLSurveying-Pct 4

email-legal apprvd DLS

Form Review

**Inbox**

**Reviewed By**

**Date**

Purchasing Department

Budget & Management

Auditor's Office

Form Started By: Letty Saenz

Started On: 10/11/2012 11:29 AM