

HIDALGO COUNTY
Professional Engineering Services
Contract # C-15-110-03-31
Work Authorization Form

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 1 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 and Hydrologic Design for the FM 1925 Project from 1,500 feet West of 10th Street to McColl Road.**

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 \$ **428,840.00**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D-1" – Estimated Project Fee Schedule and Man-hour Breakdown**.

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. **5-1345-431-00-124-154-0-721**

Requisition Number _____ (**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 shall serve as a Notice to Proceed as per Article 3, Period of Service on the Agreement. This Work Authorization shall 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, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on **March 31, 2015** as indicated below.

THE ENGINEER:
L&G Consulting Engineers, Inc. d/b/a
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 3-31-15 *rw*

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-Estimated Project Fee Schedule and Man-hour Breakdown

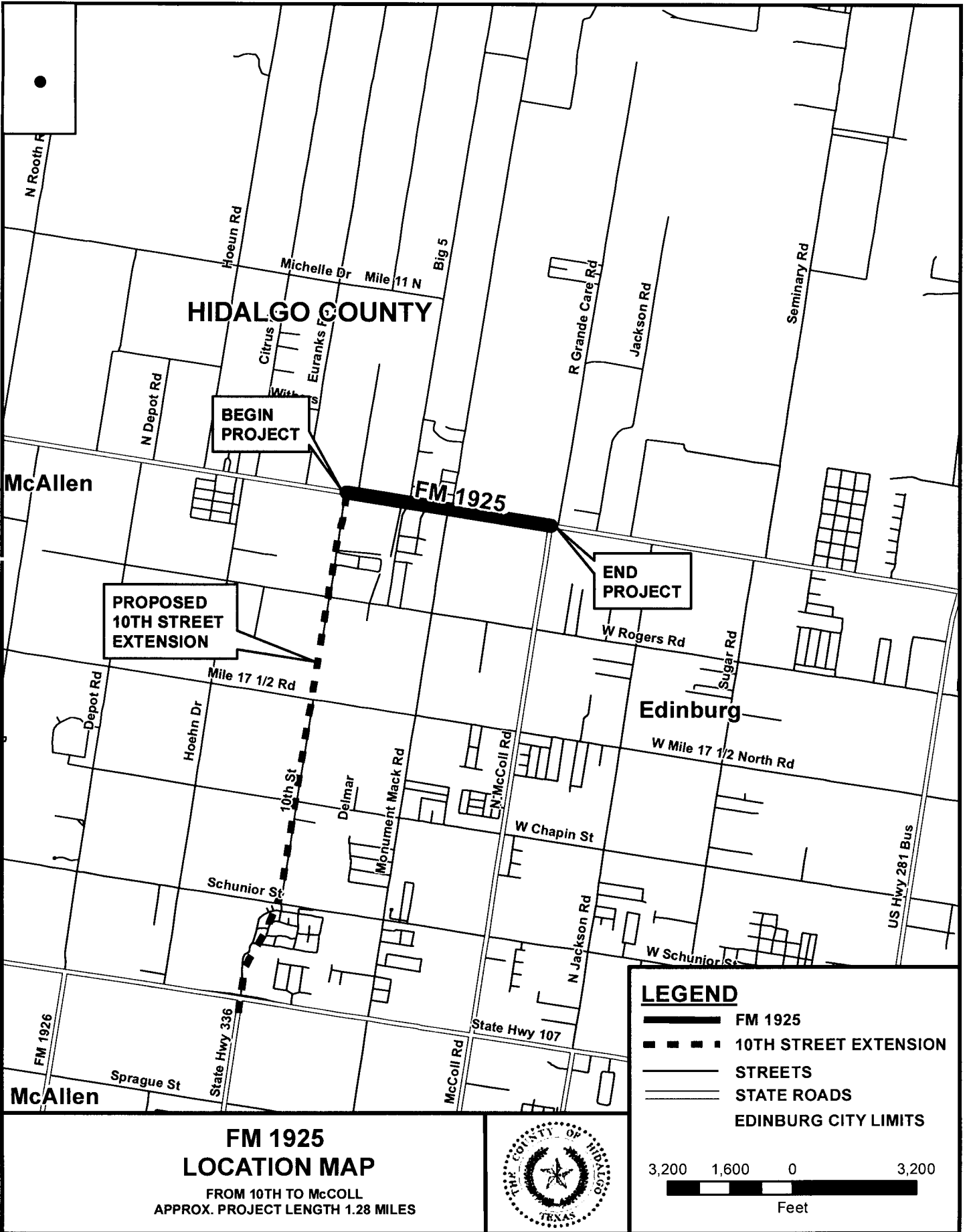


EXHIBIT "A"
Services to be provided by the County

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.

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

SECTION I - 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: Professional Engineering Services

LENGTH: 1.28 Miles

HIGHWAY: FM 1925

LIMITS: from 1,500 ft. West of 10th Street to McColl Road

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)

ENGINEER shall mean L&G Engineering.

STATE shall mean Texas Department of Transportation.

COUNTY shall mean the Hidalgo County.

EXHIBIT “B”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 2 – FEASIBILITY STUDIES
(Function Code 102)

Services Provided By:		
<u>ENGINEER</u>	<u>COUNTY</u>	
<u>YES</u>	<u>NO</u>	Preliminary Design Values <i>The Engineer will work with the Owner to establish basic design concepts, project controls and general scope of Projects.</i>
<u>YES</u>	<u>NO</u>	Preliminary Route Locations on Uncontrolled Mapping <i>The Engineer will evaluate various alternatives (route locations, alignment shifts, geometry) for the Projects.</i>
<u>YES</u>	<u>NO</u>	Uncontrolled Mapping (w/Contours & GIS Info) <i>The Engineer will investigate the existing routes and coordinate with the Owner on establishing the best-fit alignments and mapping proposed geometry for Projects. Preliminary Location Exhibit will be developed.</i>
<u>YES</u>	<u>NO</u>	Preliminary Traffic Evaluations & Trends <i>The Engineer will investigate existing traffic models and trends for the proposed Projects and adjacent roadways tying into the proposed Projects.</i>
<u>YES</u>	<u>NO</u>	Preliminary Hydrologic Map <i>The Engineer will develop a Hydrologic Map for the Projects. Hydrologic Maps will be based on LIDAR and GIS information.</i>
<u>YES</u>	<u>NO</u>	Preliminary ROW Requirements <i>The Engineer will research and identify affected property owners on the Projects utilizing the latest appraisal district file information from Hidalgo County Appraisal District and information from Carson Maps.</i>
<u>YES</u>	<u>NO</u>	Preliminary Cost Estimates <i>The Engineer will calculate preliminary construction cost estimates for the location and geometry of the Projects.</i>
<u>YES</u>	<u>NO</u>	Preliminary Environmental Analysis (for fatal flaws) <i>The Engineer will perform Preliminary Environmental Constraint Mapping to determine if any fatal flaws exist along the proposed alignment.</i>
<u>YES</u>	<u>NO</u>	Project Fact Sheet with Est. Local Cost vs. Total Project Cost <i>The Engineer will produce a Project Fact Sheet providing summaries of all pertinent items in this scope of services (as required) and providing estimated local costs vs. total project costs for the Projects.</i>
<u>YES</u>	<u>NO</u>	Meetings, Coordination & Support for Project Development <i>The Engineer shall provide coordination services and shall assist in meetings and workshops with TxDOT, Hidalgo County, Hidalgo County Drainage District No. 1 and Hidalgo County Irrigation Districts, and all other affected parties. The Engineer shall serve as representative for the Owner in coordination items. The Engineer shall coordinate with the Owner's staff on all Project related items.</i>

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

SECTION 3 - ROUTE AND DESIGN STUDIES
(Function Code 110)

Services
Provided By:
ENGINEER COUNTY

<u>YES</u>	<u>NO</u>	1. Route Location Studies*
<u>N/A</u>	<u>N/A</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 (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>N/A</u>	<u>N/A</u>	a. Pavement (See Section 7, page 7-3 for requirements)
<u>N/A</u>	<u>N/A</u>	b. Retaining Walls (See Section 10, page 10-1 for requirements)
<u>N/A</u>	<u>N/A</u>	c. Miscellaneous Structures (See Section 10, page 10-3 for requirements)
<u>N/A</u>	<u>N/A</u>	d. Bridges (See Section 11, page 11-3 thru 11-4 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.

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

SECTION 4
SOCIAL, ECONOMIC AND ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT
(Function Code 120)

Services Provided By:		
<u>ENGINEER</u>	<u>COUNTY</u>	
		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
<u>N/A</u>	<u>N/A</u>	(1) An Environmental Assessment shall be prepared, anticipating a Categorical Exclusion.
<u>YES</u>	<u>NO</u>	(2) An Environmental Assessment shall be prepared, anticipating a Finding of No Significant Impact.
<u>N/A</u>	<u>N/A</u>	(3) An Environmental Assessment shall be prepared, anticipating the need for a Draft Environmental Impact Statement.
		b. Environmental Impact Statement
<u>N/A</u>	<u>N/A</u>	(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.
<u>N/A</u>	<u>N/A</u>	(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.
<u>YES</u>	<u>NO</u>	a. A public involvement meeting(s)/hearing(s) shall be scheduled, coordinated and conducted.*
<u>YES</u>	<u>NO</u>	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.
<u>YES</u>	<u>NO</u>	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.
<u>YES</u>	<u>NO</u>	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.
<u>YES</u>	<u>NO</u>	(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.
<u>YES</u>	<u>NO</u>	(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.

EXHIBIT “B”
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

Services
 Provided By:
ENGINEER COUNTY

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| <u>YES</u> | <u>NO</u> | <p>4. Noise and Air Quality Analyses</p> <p>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 provided as a Technical Report and results included in the administratively complete document.</p> |
| <u>YES</u> | <u>NO</u> | <p>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 provided as a Technical Report and results included in the administratively complete document for the project.</p> |
| <u>YES</u> | <u>NO</u> | <p>5. Hazardous Materials
 The consultant shall perform an Initial Site Assessment (ISA) for hazardous materials impact in accordance with the American Society for Testing and Materials (ASTM) 1528.93 (Transaction Screen Process).</p> |
| <u>YES</u> | <u>NO</u> | <p>6. General Guidelines for Preparation of Environmental Documents</p> <p>a. The Biological Impact Evaluation Report will be prepared which will include water resources, threatened and endangered species, etc. and submitted electronically to TxDOT.</p> <p>b. All cultural resource reports (i.e. Archeological and Historical Project Coordination Requests (PCRs), background and reconnaissance surveys) will be submitted electronically to TxDOT.</p> <p>c. The draft administratively complete document will be submitted to TxDOT electronically through their FTP site.</p> <p>d. The administratively complete document will be prepared in accordance with the content and format of FHWA Technical Advisory T6640.8A and the TxDOT Administrative Code 43 TAC §2.44.</p> <p>e. The administratively complete document will be submitted to TxDOT electronically through their FTP site.</p> <p>f. Upon completion and approval of the administratively and technically complete document, the Engineer will provide one (1) hard copy to the Client, one (1) hardcopy to the district, and (3) hardcopies to TxDOT ENV.</p> <p>g. Exhibits in the environmental document shall be color copies and text shall be black and white.</p> |

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

SECTION 7 - ROADWAY DESIGN CONTROLS
 (Function Code 160)

Services
 Provided By:
ENGINEER COUNTY

<u>YES</u>	<u>NO</u>	
<u>YES</u>	<u>NO</u>	
		1. Geometric Design
		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.
<u>N/A</u>	<u>N/A</u>	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. No geometric design is to be performed until the COUNTY has given the engineer written approval of the preliminary schematic layout.
		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.

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

Services
 Provided By:
ENGINEER COUNTY

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| <u>N/A</u> | <u>N/A</u> | 2. General Guidelines for Project Development (<i>continued</i>) <ul style="list-style-type: none"> e. Upon approval of the schematic layout by Design Division (FHWA on Federal-aid projects), it shall be the basis for an exhibit at any required public hearing prior to final development of the project. If there are any changes to the schematic after the Design Division and FHWA approval and before the public hearing, four copies of the revised schematic, as displayed at the hearing, shall be submitted either prior to or accompanying the public hearing data. If there are no changes in the schematic as displayed at the hearing, only photographs of the schematic and other displays shall be submitted with the public hearing data. f. For all freeway construction projects, these schematics shall show the location and text of the proposed main lane guide signs. A schematic layout shall be submitted through the district to the Traffic Operations Division, Traffic Safety Section for approval and subsequent coordination with the FHWA. All signing shall be in conformance with the Texas MUTCD. g. On complex projects, informal contact through the district with the Design Division and FHWA personnel is encouraged with regard to development of preliminary design prior to official schematic submission. h. The engineer shall furnish a project tape that is compatible with the STATE's computer system, a project listing, and a cross section plot showing the original design sections containing the earthwork input and original cross sections for the project. Accuracy of the earthwork design is of utmost importance since it is the basis for contractor payments and construction staking. |
| <u>N/A</u> | <u>N/A</u> | 3. Exhibit for Airway/Highway Clearance Permits |
| <u>NO</u> | <u>N/A</u> | 4. Grading Design <ul style="list-style-type: none"> a. Refine the horizontal and vertical alignment of main lanes, frontage roads, ramps, cross roads and direct connectors based upon the approved schematic layout. Determine vertical clearances at grade separations and overpasses, taking into account the appropriate super elevation rate. b. Typical Sections c. Design Cross Sections d. Determine Cut and Fill Quantities e. Slope Stability Analysis f. Embankment Foundation Stability Analysis g. Embankment Settlement Analysis |
| <u>NO</u> | <u>N/A</u> | 5. Pavement Design <ul style="list-style-type: none"> a. Prior to initiating detailed plan preparations for a project, a preliminary investigation shall be made to determine the approximate section and pavement type to be used for the pavement structure. The Flexible Pavement Design Manual for flexible pavement, "Appendix F" of the Design Division, Operations and Procedures Manual, and the current AASHTO Guide for the Design of Pavement Structures, may be used for this purpose. b. The typical section shall also reflect proposed geometric including pavement cross slopes, lane and shoulder widths, and slope rates whenever this data have not been previously shown on a schematic submission. c. Embankment and Subgrade <ul style="list-style-type: none"> (1) Soil Core Holes (Show cost estimate with Function Code 110) <ul style="list-style-type: none"> (a) Along center line (b) Along center line of each roadway The location and minimum number of soil core holes required for this project are as follows: (To be determined when schematic is being completed) |
| <u>N/A</u> | <u>N/A</u> | |
| <u>N/A</u> | <u>N/A</u> | |

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

Services
 Provided By:
ENGINEER COUNTY

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| <u>NO</u>

<u>NO</u>
<u>NO</u>
<u>NO</u>
<u>NO</u>
<u>NO</u>
<u>NO</u> | <u>N/A</u>

<u>N/A</u>
<u>N/A</u>
<u>N/A</u>
<u>N/A</u>
<u>N/A</u> | 5. Pavement Design <i>(continued)</i>
c. Embankment and Subgrade <i>(continued)</i>
(2) Identify, interpret and summarize geologic features that affect engineering design
(PI, Sulfate content, % of lime)
d. Traffic Data for Pavement Design by STATE
e. Basic Design Criteria
f. Life Cycle Cost Analysis(es)
g. Cost Data
h. Pavement Material Properties
i. Rehabilitation Investigations
(1) Core Hole Survey (Show cost estimate with Function Code 110)
(a) Determine type and depth of existing material, pavement, etc. The Engineer
will determine whether to salvage ACP and FLEXBASE as well as their
properties and provide this information to TxDOT. |
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EXHIBIT "B"
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER

SECTION 8 - 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 Map
		a. Hydrologic data/discharge determination for outfalls
		2. Hydraulic Drainage Study and Documentation
		a. Hydraulic computations and Drainage area maps showing existing conditions and proposed improvements.
<u>N/A</u>	<u>N/A</u>	(1) Storm water detention available within the ROW (linear ft. along side drain ditch).
<u>N/A</u>	<u>N/A</u>	(2) Storm water detention required outside the ROW (as per HCDD#1)
<u>N/A</u>	<u>N/A</u>	(3) Culverts
<u>N/A</u>	<u>N/A</u>	(4) Bridge waterways
<u>N/A</u>	<u>N/A</u>	(5) Channels
<u>N/A</u>	<u>N/A</u>	(6) Storm sewers/inlets
<u>N/A</u>	<u>N/A</u>	(7) Pump stations
<u>N/A</u>	<u>N/A</u>	(8) Storm Water Management facilities
<u>N/A</u>	<u>N/A</u>	(9) Other
		(a) Irrigation Canals/Siphons
<u>N/A</u>	<u>N/A</u>	b. Hydraulic report(s)
<u>N/A</u>	<u>N/A</u>	c. Federal Emergency Management Agency (FEMA) floodway requirements
<u>N/A</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>N/A</u>	<u>N/A</u>	(1) New culverts
<u>N/A</u>	<u>N/A</u>	(2) Culvert widening and/or lengthening
<u>N/A</u>	<u>N/A</u>	(3) Culvert replacements
		b. Storm sewers
<u>N/A</u>	<u>N/A</u>	(1) New storm sewers
<u>N/A</u>	<u>N/A</u>	(2) Modify existing storm sewers
<u>N/A</u>	<u>N/A</u>	(3) Inlets
<u>N/A</u>	<u>N/A</u>	(4) Manholes
<u>N/A</u>	<u>N/A</u>	(5) Trunk lines
		c. Pump stations
<u>N/A</u>	<u>N/A</u>	d. Subsurface drainage at retaining walls
<u>N/A</u>	<u>N/A</u>	e. Outfall channel(s) within the ROW
<u>N/A</u>	<u>N/A</u>	f. Outfall channel(s) outside the ROW
<u>N/A</u>	<u>N/A</u>	g. Detention Pond(s) within the ROW
<u>N/A</u>	<u>N/A</u>	h. Detention Pond(s) outside the ROW
<u>N/A</u>	<u>N/A</u>	i. Summary of Quantities
<u>N/A</u>	<u>N/A</u>	j. Storm Water Management facilities
<u>N/A</u>	<u>N/A</u>	4. Storm Water Pollution Prevention Plan (SW3P)
<u>N/A</u>	<u>N/A</u>	5. Scour Evaluation - Waterway Structures only (to be completed by Bridge Engineer under FC 170.

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

SECTION 14 - ADDITIONAL RESPONSIBILITIES

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.

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

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 "C" - PROJECT WORK SCHEDULE

FM 1925 (Monte Cristo Rd)
From 10th Street To McColl Rd
Length = 1.28 miles

TASK AND DESCRIPTION	FIRM	2015												2016											
		MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
Phase I: EA, Public Involvement, Schematic and Hydrologic Map																									
Public Involvement																									
Develop Alternatives & Matrix	L&G																								
Advertise & Conduct Public Meeting	L&G																								
Select TPA	L&G																								
Schematic and Hydrologic Map																									
Develop Schematic	L&G																								
Hydrologic Map	L&G																								
TxDOT Review & Revisions	TxDOT																								
TxDOT Schematic Approval	TxDOT																								
Environmental Document																									
Field Work and Develop Technical Reports	L&G																								
Process Technical Reports	TxDOT																								
Administratively Complete Document	TxDOT																								
Afford an Opportunity for Public Hearing	TxDOT																								
Environmental Decision	TxDOT																								




 L&G FUNCTION
 ENVIRONMENTAL ASSESSMENT WORK
 TxDOT FUNCTION

EXHIBIT D-1
ESTIMATED PROJECT FEE SCHEDULE AND MAN-HOUR BREAKDOWN

FM 1925 PROJECT
From 10th Street to McColl Road

	MANHOURS											TOTAL HOURS	Sub-Contract Amounts / ROW COST	ROUNDED TOTAL LINE ITEM COST		
	Senior Project Manager	Senior Engineer	Senior Environmental Scientist / Specialist	Project Engineer	Design Engineer	ROW Administrator	EIT	Environmental Scientist / Specialist	Senior Engineer Tech	Engineer Tech	CADD Operator / GIS Analyst				Admin / Clerical	Biologist
CONTRACT RATE	215.40	167.89	136.21	123.54	114.04	107.70	82.36	79.19	79.19	76.02	66.52	57.02	50.68			
WORK AUTHORIZATION NO. 1																
PHASE 1 - EA, PUBLIC INVOLVEMENT, SCHEMATIC, DESIGN																
1 Environmental Assessment with TXDOT (CE Less than 30 Acres)	80		250					200			245	100	201	1056		\$ 96,000.00
2 Public Involvement for Environmental Assessment and 1 Public Meeting	30		35	39		10		28.25			41.25	17	38	236.5		\$ 25,000.00
3 Archeological and Historical Research - Ama Terra (SUB), (see Exh. D-1, page 2 & 3 of 3)	1		12	6				12			5.5	4	15	0		\$ 4,895.00
4 Coordination of Archeological and Historical Research - L&G	25		44	31		30					44.75	24	24	222.75		\$ 24,000.00
5 Engineering Technical Support at Public Meetings with Layouts, etc.	18	20		46	77		52		48.25	84.25	939.75	11.25	24	1276.5		\$ 97,840.00
6 Schematic	14	24	8	65	32		37.75	16	81	20	163.75	8	6	455.5		\$ 42,000.00
7 Hydrological Map	10	11		31	49		29.25		28	28	35	5	1	206.25		\$ 21,000.00
8 Office Surveys for Schematic (Preliminary Ownership Identification and Property Rights)	10	18		17	19	9	17.25		18	28	35	5	1	176.25		\$ 18,000.00
9 Preliminary Compensable Utilities Identification on Schematic for Approval by TXDOT/FHWA	24	24		36	60		44		17	61	109	28		404		\$ 39,000.00
10 Update Schematic based on Field Surveys and ROW Map as provided by the City of Edinburg and comments by TXDOT/County for Schematic/EA update w/FHWA	8	7	8	12		11	14.25	11	14	14	16	9	13	123.25		\$ 12,000.00
1 Engineering Technical Support at Public Hearing with Layouts, etc.	21	17	18	18		19	18.25	22	29	29	37	32	23	254.25		\$ 25,000.00
2 Public Involvement for 1 Public Hearing																
UB-TOTAL	221	121	375	301	237	79	212.75	286.25	83.25	297.25	1686	245.25	321	4413.25	\$ 25,105.40	\$ 403,735.00

Subtotal Manhour Fee with Sub-Consultant Costs: \$ 428,846.03

*** Total Project Fee: \$ 428,840.00**

*Rounded Figure

**EXHIBIT "D-1" - FEE SCHEDULE
CULTURAL RESOURCE INVESTIGATIONS
FM 1925: FROM 10TH STREET TO FM 2061
HIDALGO COUNTY, TEXAS**

Cost Breakdown: Task 2								
LABOR	Research Design	Field Survey	Survey Report	Admin	Total	Units	Unit Price	Cost
Principal				1	1	hour	\$ 206.00	\$ 206.00
Historical Architect	2		2		4	hour	\$ 124.00	\$ 496.00
Architectural Historian	24	12	28		64	hour	\$ 103.00	\$ 6,592.00
Historian			16		16	hrs	\$ 82.00	\$ 1,312.00
GIS Specialist			4		4	hour	\$ 74.00	\$ 296.00
Administrative Asst				2	2	hour	\$ 80.00	\$ 160.00
TOTAL LABOR								\$ 9,062.00
EXPENSES	Research Design	Field Survey	Survey Report	Admin	Total	Units	Unit Price	Cost
Air fare		1			1	r/t	\$ 400.00	\$ 400.00
Rental car		1			1	day	\$ 70.00	\$ 70.00
Fuel for rental car					0	gallon	\$ 3.25	\$ -
Lodging and taxes					0	night	\$ 100.00	\$ -
Meal Allowance					0	day	\$ 46.00	\$ -
Copies, b/w			30	20	50	each	\$ 0.10	\$ 5.00
Copies, color			10		10	each	\$ 1.00	\$ 10.00
TOTAL EXPENSES								\$ 485.00
TOTAL TASK 2								\$ 9,547.00

Cost Breakdown: Task 3								
LABOR	Permit Application	Field Survey	Draft Report	Final Report	Total	Units	Unit Price	Cost
Principal				1	1	hour	\$ 216.00	\$ 216.00
Senior Archeologist	4		10	2	16	hour	\$ 128.00	\$ 2,048.00
Archeologist III					0	hour	\$ 73.00	\$ -
Archeologist II	1	24	28	4	57	hour	\$ 68.00	\$ 3,876.00
Archeologist I	4	24	8		36	hour	\$ 58.00	\$ 2,088.00
GIS Specialist	1		8		9	hour	\$ 80.00	\$ 720.00
Administrative Asst			6	4	10	hour	\$ 88.00	\$ 880.00
TOTAL LABOR								\$ 9,828.00
EXPENSES	Permit Application	Field Survey	Draft Report	Final Report	Total	Units	Unit Price	Cost
Curation				0.25	0.25	drawer	\$ 1,300.00	\$ 325.00
Lodging and taxes		4			4	night	\$ 100.00	\$ 400.00
Meal Allowance		6			6	day	\$ 46.00	\$ 276.00
Shipping				1	1	each	\$ 15.00	\$ 15.00
Mileage		700			700	mile	\$ 0.565	\$ 395.50
Copies, b/w	20	50	300	300	670	each	\$ 0.550	\$ 368.50
Copies, color	20	10	150	200	380	each	\$ 0.10	\$ 38.00
TOTAL EXPENSES								\$ 1,818.00
TOTAL TASK 3								\$ 11,646.00
Mileage	Austin-Edinburg		300					
	On-project miles		100					
	Edinburg-Austin		300					
			700 miles					

EXHIBIT "D-1" - FEE SCHEDULE
 CULTURAL RESOURCE INVESTIGATIONS
 FM 1925: FROM 10TH STREET TO FM 2061
 HIDALGO COUNTY, TEXAS



Schedule of Values	
FM 1925: 10th Street to FM 2061	
TASK	
1: Historical and Archeological Project Coordination Request/Draft NEPA Text	\$ 3,912.40
2: Historic Resources Research Design, Reconnaissance Survey and Report	\$ 9,547.00
3: Archeological Survey and Report	\$ 11,646.00
TOTAL	\$ 25,105.40

Cost Breakdown: Task 1								
LABOR	Historical PCR	Archeological PCR		Admin	Total	Units	Unit Price	Cost
Principal				1	1	hrs	\$ 216.00	\$ 216.00
Senior Archeologist		4			4	hrs	\$ 128.00	\$ 512.00
Archeologist III					0	hrs	\$ 73.00	\$ -
Archeologist II		12			12	hrs	\$ 68.00	\$ 816.00
Archeologist I					0	hrs	\$ 58.00	\$ -
Historical Architect	4				4	hrs	\$ 133.00	\$ 532.00
Architectural Historian					0	hrs	\$ 96.00	\$ -
Historian	12				12	hrs	\$ 82.00	\$ 984.00
GIS Specialist	4	4			8	hrs	\$ 80.00	\$ 640.00
Administrative Asst				2	2	hrs	\$ 88.00	\$ 176.00
TOTAL LABOR								\$ 3,876.00
EXPENSES	Historical PCR	Archeological Background		Admin	Total	Units	Unit Price	Cost
Copies, b/w	20	20		24	64	each	\$ 0.10	\$ 6.40
Copies, color	10	20			30	each	\$ 1.00	\$ 30.00
TOTAL EXPENSES								\$ 36.40
TOTAL TASK 1								\$ 3,912.40

TOTAL AMOUNT	\$115,657.00
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I. Pct. 3

1. AI-49083

- Requesting authorization and approval to purchase Five (5) New or Newer 2015 Ford F-150 Extended Cab PU through the County's membership/participation with Buyboard's awarded vendor, Silsbee Ford Inc. (Contract #430-13) in the amount of **\$100,728.00** which includes delivery and a one time Buyboard fee of \$400.00. (Project #2015-129-OGG)

J. Pct. 4

1. AI-49058

A. Acceptance and approval to execute the final form of a Professional Engineering Agreement with **L&G Engineering**, for: **"Job Specific" Project: FM 1925 (from 1,500 ft. West of 10th Street to McColl Road) within Hidalgo County Precinct No. 4**, and as (approved by CC for negotiations on CC 03/03/15);

APPROVED

B. Acceptance and approval of **Work Authorization No. 1** (with an estimated cost of **\$ 428,840.00**) as submitted by project engineer, **L&G Engineering** for engineering services for: **"Job Specific" Project: FM 1925 (from 1,500 ft. West of 10th Street to McColl Road) within Hidalgo County Precinct No. 4**, under agreement# **C-15-110-03-31**.

C. Requesting exemption from competitive bidding requirements under the Texas Local Government Code, Section 262.024 (A) (4) for a "professional engineering services";

D. Presentation of the scoring grid (for the purposes of ranking by CC) the firm graded & evaluated through the County's approved "pool" of Engineering Firms in connection to Professional Engineering Services for: **"On Call" "Buildings Repairs, Renovations, Alterations, Additions and/or Other related Services to County Owned Buildings"** located within **Hidalgo County Precinct No. 4**;

ENGINEERING FIRMS:

Totals	Half Associates, Inc.	Joyce-Cook, Inc.	R.O. Engineering, PLLC
Scores	98	95	94
Ranking			

E. Authority for the Purchasing Department to negotiate a Professional Services Agreement for the purposes of an **"On Call"- Engineering Services** for: **"Buildings Repairs, Renovations, Alterations, Additions and/or Other related Services to County Owned Buildings"** located within **Hidalgo County Precinct 4**, with the No. 1 ranked firm _____.

F. Requesting exemption from competitive bidding requirements under the Texas Local Government Code, Section 262.024 (A) (4) for a "professional appraisal";

G. Presentation of the scoring grid (for the purposes of ranking by CC) the firm graded & evaluated through the County's approved "pool" of Appraisal Firms in connection to Professional Appraisal Services for an: **"On Call" Appraisal Services** for projects located within **Hidalgo County Precinct No. 4**;

APPRAISAL FIRMS:

manpower.

22. Precinct #4 - Comm. Palacios:

A. AI-48980

1. Approval of Interlocal Cooperation Agreement between Hidalgo County and Edinburg Consolidated Independent School District (parking lot paving projects as listed on Exhibit A)
2. In accordance with Texas Government Code Section 791.014, approval of Interlocal Cooperation Agreement Project known as the Bus Parking Paving Project

23. Budget & Management - Sergio Cruz:

A. AI-49124

Approval to submit IRS Form 2848 designating Steve Crain as Hidalgo County authorized representative, with authorization for County Judge to sign the required document.

B. Budget Appropriations:

1. AI-49010

Justice Crt Tech (1242):

Approval of 2015 appropriation of funds for Justice Crt Tech in the amount of \$2,860.22 to fund wireless devices.

2. AI-48990

Planning & Engineering (1200):

Approval of 2015 appropriation of funds from the R&B unreserved fund balance for Planning & Engineering (fund 1200, program 002) in the amount of \$223,992.95 to fund change in funding source for various positions previously approved by Commissioners' Court.

3. AI-49038

CO2014 - Pct. 4 (1345)

Approval of 2015 appropriation/interfund of funds in the amount of \$2,403,459.38 to fund various road projects.

4. AI-48991

Pct 2 Rd. Maint./Adm. (1200):

Approval of 2015 appropriation of funds from the R&B unreserved fund balance for Pct 2 Rd. Maintenance (program 006) and Pct 2 Adm. (program 005) in the amount of \$343,237.76 to fund operating expenditures.

24. Purchasing Department - Marty Salazar:

Notes:

A. FOR ANY CONTRACT(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



**AGENDA
HIDALGO COUNTY
COMMISSIONERS COURT
MEETING
March 31, 2015
9:30 A.M.**

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

- 1. Roll Call**
- 2. Pledge of Allegiance**
- 3. Prayer**
- 4. Approval of Consent Agenda**
- 5. Open Forum**
- 6. County Judge's Office:**
 - A. AI-49126**
Resolution proclaiming April 2015 as Autism Awareness Month
 - B. AI-49036**
Proclamation declaring April 7, 2015 as National Service Recognition Day in Hidalgo County
 - C. AI-49025**
Proclamation declaring March 2015 as Professional Social Workers Month in Hidalgo County in recognition of the men and women who provide compassionate assistance to the citizens of Hidalgo County, the great State of Texas, and to our nation.
 - D. AI-49080**
 1. Approval for Hidalgo County to participate in the 2015 Tech Prep Job Shadow Days Program for April 16, 2015.
 2. Authorization for the County Judge to sign the Affiliation Agreement for the Internship-Preceptorship Program
 3. Approval of the appointment of intern Leslie Y. Leal from the Business, Education and Technology Academy in Edinburg
 - E. AI-49041**
Discussion, consideration and approval regarding Interlocal Agreement between Hidalgo County and Mission Consolidated School District to broadcast Commissioners Court meetings.