

EXHIBIT A

-Scope of Services to be provided by the County

The following provides an outline of the services to be provided by the Owner in the development of Projects (as defined and more particularly identified in Exhibit "A" attached to this Agreement).

General:

The Owner will provide to the Engineer the following:

- 1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.
- 2) Payment for work performed by the Engineer and accepted by the Owner in accordance with Article 3 of this Agreement.
- 3) Assistance to the Engineer, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies the Engineer cannot easily obtain.
- 4) Provide any available relevant data the Owner may have on file concerning the projects.
- 5) Provide timely review and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for the Engineer to maintain the agreed upon work schedule prepared in accordance with Exhibit "A" attached to this Agreement.
- 6) Attend and participate in progress meetings as required and as coordinated and conducted by Engineer.
- 7) Provide the authorization to proceed with services on project by project basis through consulting design and construction Engineer.

EXHIBIT "B"

Services to be Provided by the Engineer

PROJECT INFO:

- **Project Name:** Precinct No. 2 Priority Projects
- **Project Limits:** Throughout Hidalgo County

GENERAL SCOPE OF WORK:

The work to be performed by the **Engineer** under this Work Authorization shall consist of providing Engineering Services required for Feasibility Studies on the Precinct No. 2 Priority Projects located throughout Hidalgo County hereinafter denoted as the **Projects**.

The **Engineer** will furnish all equipment, materials, supplies, and incidentals as needed to perform the services required by this Work Authorization, except as otherwise specified in Exhibit A, "Services to be Provided by the **Owner**".

Specific activities to be performed by the **Engineer**, as generally outlined in the Contract, include the following:

SECTION 2 – FEASIBILITY STUDIES (Function Code 102)

Services
Provided By:
ENGINEER COUNTY

- | | | |
|------------|-----------|--|
| <u>YES</u> | <u>NO</u> | Preliminary Design Values The Engineer will work with the Owner to establish basic design concepts, project controls and general scope of Projects . |
| <u>YES</u> | <u>NO</u> | Preliminary Route Locations on Uncontrolled Mapping The Engineer will evaluate various alternatives (route locations, alignment shifts, geometry) for the Projects . |
| <u>YES</u> | <u>NO</u> | Uncontrolled Mapping (w/Contours & GIS Info) 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. |
| <u>YES</u> | <u>NO</u> | Preliminary Traffic Evaluations & Trends The Engineer will investigate existing traffic models and trends for the proposed Projects and adjacent roadways tying into the proposed Projects . |

*Hidalgo County Precinct Pct. 2
On-Call Services for “Road and Bridge, C.I.P. and Other Projects in General” –
WA#1 – FC102 ~ Feasibility Studies on Pct. #2 Priority Projects*

- | | | |
|------------|-----------|---|
| <u>YES</u> | <u>NO</u> | <p>Preliminary Hydrologic Map</p> <p>The Engineer will develop a Hydrologic Map for the Projects. Hydrologic Maps will be based on LIDAR and GIS information.</p> |
| <u>YES</u> | <u>NO</u> | <p>Preliminary ROW Requirements</p> <p>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.</p> |
| <u>YES</u> | <u>NO</u> | <p>Preliminary Cost Estimates</p> <p>The Engineer will calculate preliminary construction cost estimates for the location and geometry of the Projects.</p> |
| <u>YES</u> | <u>NO</u> | <p>Preliminary Environmental Analysis (for fatal flaws)</p> <p>The Engineer will perform Preliminary Environmental Constraint Mapping to determine if any fatal flaws exist along the proposed alignment.</p> |
| <u>YES</u> | <u>NO</u> | <p>Project Fact Sheet with Est. Local Cost vs. Total Project Cost</p> <p>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.</p> |
| <u>YES</u> | <u>NO</u> | <p>Meetings, Coordination & Support for Project Development</p> <p>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.</p> |

EXHIBIT "C"
PROJECT SCHEDULE

Function Code 102 ~ Feasibility Studies on Pct #2 Priority Projects

| 2015 | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TASK AND DESCRIPTION | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| Feasibility Studies for all 5 Precinct #2 Priority Projects | | | | | | | | | | | | |
| Meetings & Coordination w/ Pct. #2 Staff on Project Development Activities | | | | | | | | | | | | |
| Preliminary Design Values | | | | | | | | | | | | |
| Preliminary Route Locations on Uncontrolled Mapping | | | | | | | | | | | | |
| Uncontrolled Mapping (w/ Contours & GIS Info) | | | | | | | | | | | | |
| Preliminary Traffic Evaluations & Trends | | | | | | | | | | | | |
| Preliminary Hydrologic Map | | | | | | | | | | | | |
| Preliminary ROW Requirements | | | | | | | | | | | | |
| Preliminary Cost Estimates | | | | | | | | | | | | |
| Preliminary Environmental Analysis (for fatal flaws) | | | | | | | | | | | | |
| Project Fact Sheet with Estimated Local Cost vs. Total Project Cost | | | | | | | | | | | | |

EXHIBIT D
FEE PROPOSAL
On-Call Services for "Road and Bridge, C.I.P. and Other Projects in General"
Function Code 102 ~ Feasibility Studies on Pct #2 Priority Projects

| | | MANHOURS | | | | | | L&G TOTAL HOURS |
|---|---|------------------------|-----------------|------------------|-------------------------------|---------------|------------------|-----------------|
| | | Senior Project Manager | Senior Engineer | Project Engineer | Senior Engineering Technician | CADD Operator | Admin / Clerical | |
| FC 102 ~ Feasibility Studies | | | | | | | | |
| East Eldora Rd. Project | | | | | | | | |
| 1 | Preliminary Design Values | 8 | 12 | 18 | 36 | 44 | | 118 |
| 2 | Preliminary Route Locations on Uncontrolled Mapping | 2 | 4 | 6 | 10 | 12 | | 34 |
| 3 | Uncontrolled Mapping (w/ Contours & GIS Info) | 10 | 15 | 22 | 46 | 58 | | 151 |
| 4 | Preliminary Traffic Evaluations & Trends | 4 | 6 | 9 | 12 | 16 | | 47 |
| 5 | Preliminary Hydrologic Map | 4 | 6 | 9 | 20 | 16 | | 55 |
| 6 | Preliminary ROW Requirements | 2 | 4 | 4 | 10 | 12 | | 32 |
| 7 | Preliminary Cost Estimates | 2 | 4 | 4 | 10 | 12 | | 32 |
| 8 | Preliminary Environmental Analysis (for fatal flaws) | 4 | 6 | 9 | 12 | 16 | | 47 |
| 9 | Project Fact Sheet with Estimated Local Cost vs. Total Project Cost | 6 | 9 | 14 | 26 | 32 | 24 | 111 |
| West Eldora Rd. Project | | | | | | | | |
| 1 | Preliminary Design Values | 8 | 12 | 18 | 36 | 44 | | 118 |
| 2 | Preliminary Route Locations on Uncontrolled Mapping | 2 | 4 | 6 | 10 | 12 | | 34 |
| 3 | Uncontrolled Mapping (w/ Contours & GIS Info) | 10 | 15 | 22 | 46 | 58 | | 151 |
| 4 | Preliminary Traffic Evaluations & Trends | 4 | 6 | 9 | 12 | 16 | | 47 |
| 5 | Preliminary Hydrologic Map | 4 | 6 | 9 | 20 | 16 | | 55 |
| 6 | Preliminary ROW Requirements | 2 | 4 | 4 | 10 | 12 | | 32 |
| 7 | Preliminary Cost Estimates | 2 | 4 | 4 | 10 | 12 | | 32 |
| 8 | Preliminary Environmental Analysis (for fatal flaws) | 4 | 6 | 9 | 12 | 16 | | 47 |
| 9 | Project Fact Sheet with Estimated Local Cost vs. Total Project Cost | 6 | 9 | 14 | 26 | 32 | 24 | 111 |
| Sioux Road Project | | | | | | | | |
| 1 | Preliminary Design Values | 8 | 12 | 18 | 36 | 44 | | 118 |
| 2 | Preliminary Route Locations on Uncontrolled Mapping | 2 | 4 | 6 | 10 | 12 | | 34 |
| 3 | Uncontrolled Mapping (w/ Contours & GIS Info) | 10 | 15 | 22 | 46 | 58 | | 151 |
| 4 | Preliminary Traffic Evaluations & Trends | 4 | 6 | 9 | 12 | 16 | | 47 |
| 5 | Preliminary Hydrologic Map | 4 | 6 | 9 | 20 | 16 | | 55 |
| 6 | Preliminary ROW Requirements | 2 | 4 | 4 | 10 | 12 | | 32 |
| 7 | Preliminary Cost Estimates | 2 | 4 | 4 | 10 | 12 | | 32 |
| 8 | Preliminary Environmental Analysis (for fatal flaws) | 4 | 6 | 9 | 12 | 16 | | 47 |
| 9 | Project Fact Sheet with Estimated Local Cost vs. Total Project Cost | 6 | 9 | 14 | 26 | 32 | 24 | 111 |
| Overpass at US83 and 2nd St. Project | | | | | | | | |
| 1 | Preliminary Design Values | 8 | 12 | 18 | 36 | 44 | | 118 |
| 2 | Preliminary Route Locations on Uncontrolled Mapping | 2 | 4 | 6 | 10 | 12 | | 34 |
| 3 | Uncontrolled Mapping (w/ Contours & GIS Info) | 10 | 15 | 22 | 46 | 58 | | 151 |
| 4 | Preliminary Traffic Evaluations & Trends | 4 | 6 | 9 | 12 | 16 | | 47 |
| 5 | Preliminary Hydrologic Map | 4 | 6 | 9 | 20 | 16 | | 55 |
| 6 | Preliminary ROW Requirements | 2 | 4 | 4 | 10 | 12 | | 32 |
| 7 | Preliminary Cost Estimates | 2 | 4 | 4 | 10 | 12 | | 32 |
| 8 | Preliminary Environmental Analysis (for fatal flaws) | 4 | 6 | 9 | 12 | 16 | | 47 |
| 9 | Project Fact Sheet with Estimated Local Cost vs. Total Project Cost | 6 | 9 | 14 | 26 | 32 | 24 | 111 |
| Cesar Chavez Rd. Project | | | | | | | | |
| 1 | Preliminary Design Values | 8 | 12 | 18 | 36 | 44 | | 118 |
| 2 | Preliminary Route Locations on Uncontrolled Mapping | 2 | 4 | 6 | 10 | 12 | | 34 |
| 3 | Uncontrolled Mapping (w/ Contours & GIS Info) | 10 | 15 | 22 | 46 | 58 | | 151 |
| 4 | Preliminary Traffic Evaluations & Trends | 4 | 6 | 9 | 12 | 16 | | 47 |

**EXHIBIT D
FEE PROPOSAL
On-Call Services for "Road and Bridge, C.I.P. and Other Projects in General"
Function Code 102 ~ Feasibility Studies on Pct #2 Priority Projects**

| | | | | | | | | |
|---|--|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|----------------------|
| 5 | Preliminary Hydrologic Map | 4 | 6 | 9 | 20 | 16 | | 55 |
| 6 | Preliminary ROW Requirements | 2 | 4 | 4 | 10 | 12 | | 32 |
| 7 | Preliminary Cost Estimates | 2 | 4 | 4 | 10 | 12 | | 32 |
| 8 | Preliminary Environmental Analysis (for fatal flaws) | 4 | 6 | 9 | 12 | 16 | | 47 |
| 9 | Project Fact Sheet with Estimated Local Cost vs. Total Project Cost | 6 | 9 | 14 | 26 | 32 | 20 | 107 |
| Overall Project Items | | | | | | | | |
| 1 | Meetings & Coordination w/ Pct. #2 Staff on Project Development Activities | 60 | 30 | 20 | | | 20 | 130 |
| Subtotal Hours | | 270 | 360 | 495 | 910 | 1090 | 136 | 3261 |
| Hourly Base Rate | | \$ 70.00 | \$ 58.00 | \$ 43.00 | \$ 30.00 | \$ 22.00 | \$ 20.00 | |
| FY 15 Contract Hourly Rate w/ OH Mult. (178.12%) & Fixed Fee (12.00%) | | \$ 218.04 | \$ 180.66 | \$ 133.94 | \$ 93.45 | \$ 68.53 | \$ 62.30 | |
| Total Labor Costs | | \$ 58,870.80 | \$ 65,037.60 | \$ 66,300.30 | \$ 85,039.50 | \$ 74,697.70 | \$ 8,472.80 | \$ 358,418.70 |

L&G Direct Expenses

40 Ft. Long by 3.5 Ft. Tall Project Exhibits (140 sq. ft.) @ \$5.00/sq. ft. - 5 Total Prints for Each of the 5 Projects

Subtotal (Direct Expenses)

Cost Proposal

\$ 17,500.00

\$ 17,500.00

Grand Total \$ 375,918.70