

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. 1*, as to content and detail of this **Work Authorization No. _2_**.

HIDALGO COUNTY PRECINCT NO. 1:

By: _____
Hon. David Fuentes, Commissioner, Pct. 1

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of _____ day of _____, 2020.

THE ENGINEER:
Alpha Infrastructure Engineering PLLC

THE OWNER:
HIDALGO COUNTY

By: _____
Juan M. Gamez, PE / President

By: _____
Richard F. Cortez, County Judge

ATTEST:

By: _____
Arturo Guajardo Jr., County Clerk

BY: _____

Attachments:

- Exhibit A
- Exhibit B
- Exhibit C
- Exhibit D1

EXHIBIT "A"
HIDALGO COUNTY PRECINCT No. 1

Mile 12 N Rd and Earling Rd Roadway Improvements

SCOPE OF SERVICES
To be Provided by the Owner

EXHIBIT A

-SCOPE OF SERVICES TO BE PROVIDED BY THE OWNER

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"
HIDALGO COUNTY PRECINCT No. 1

Mile 12 N Rd and Earling Rd Roadway Improvements

SCOPE OF SERVICES
To be Provided by the Engineer

EXHIBIT B

Scope of Services to be provided by the Engineer

GENERAL MANAGEMENT / COORDINATION

1. Meet w/ Owner to establish Project Scope and Design Criteria.
2. Meet w/ Owner's Staff on all project related items.
3. Perform Quality Control & Quality Assurance (QCQA).

RIGHT-OF-WAY, UTILITIES, AND DESIGN SURVEYING

Right-of-Way & Utilities Survey

1. Survey existing roadway right-of-way and adjoining parcel lines in project coordinate system.
2. Obtain most current existing right-of-way information (plats, deeds, ownership info).
3. Prepare Project Base Map of project limits showing exist ROW and Property lines.
4. Contact "One Call" to request marking of underground utilities.
5. Request existing utility information from local utility companies.
6. Perform surveying for horizontal location of "Flagged" underground utilities & visible overhead lines.

Design Survey

- 1.** Establish project control points at each end of project.
- 2.** Establish Horizontal and Vertical Control BM's @ 1,000-Ft spacing (Est. 6 BM's).
- 3.** Perform topographic survey to 200-Ft beyond limits of project.
- 4.** Take X-Sections @ 100-Ft spacing to 20-Ft beyond ROW (when possible).
- 5.** Take driveway or intersecting road X-Sections to 10-Ft beyond ROW.
- 6.** Pick up horizontal location of all visible overhead or on-ground utilities and markings from "one-call" services.
- 7.** Take X-Sections of Irrigation Canal @ 50-Ft spacing to 200-Ft from Roadway centerline each side.
- 8.** Take X-Sections of Drain Ditch @ 50-Ft spacing to 200-Ft from Roadway centerline each side.
- 9.** Obtain Side Drain data (centerline station, size, length, flow lines, etc.).
- 10.** Obtain culvert's size of structures, type, skew angle, material.
- 11.** Locate any other topographic feature within project area (within 20-ft outside of ROW).
- 12.** Process ASCII files to develop DTM.

PLANS SPECIFICATIONS & ESTIMATE

- 1.** Title Sheet & Index of Sheets
- 2.** Project Layout
- 3.** Horizontal & Vertical Survey Control
- 4.** Existing & Proposed Typical Sections
- 5.** Develop General Notes and Specs
- 6.** Earthwork & Cross-Sections
- 7.** Figure Quantities & Prepare E&Q Sheets
- 8.** Sequence of Construction
- 9.** Traffic Control Plan General Notes
- 10.** Traffic Control Plan
- 11.** Plan & Profile (Roadway)
- 12.** Driveway & Intersection Details
- 13.** Outfall Details
- 14.** Cross Culvert X-Sections & Profiles
- 15.** Irrigation Crossing Structure Plan & Profile
- 16.** Irrigation Structures Details
- 17.** Prepare storm water pollution prevention plan (SW3P) following NPDES general permit requirements
- 18.** Provide interim drawing submittals (3 sets)
- 19.** Provide Final Drawings on 11"x17" Paper
- 20.** Provide Engineer's Construction Cost Estimate

CONSTRUCTION PHASE SERVICES

- 1.** Review submittals
- 2.** Review Construction Materials Testing Reports
- 3.** Perform Construction Site Observations
- 4.** Perform Final Inspection
- 5.** Prepare Construction Record Drawings
- 6.** Close out Project

Engineering Schedule Summary	Duration	2020				
		December	January	February	March	April
Management / Coordination	30 days					
PS&E	60 days					
Construction Assitance	120 Day					

Total Days to Perform Project 102

Engineering Schedule Summary	Duration	2020				
		December	January	February	March	April
Management / Coordination	30 days					
PS&E	60 days					
Construction Assitance	120 Day					

Total Days to Perform Project 102

Exhibit D-1

-Estimated Project Fee Schedule

WA2 Mile 12N RD
Mile 1 East to Mile 2 East

Task and Description	Principal	Project Manager	Senior Engineer	R.P.L.S	Senior Engineering Technician	CAD Technician	Survey Crew	Clerical	Total
Hourly Rate	\$ 240.00	\$ 160.00	\$ 140.00	\$ 150.00	\$ 70.00	\$ 68.00	\$ 150.00	\$ 40.00	
A. General Management and Co	10	10	15	0	20	20	0	10	85
	\$ 2,400.00	\$ 1,600.00	\$ 2,100.00	\$ -	\$ 1,400.00	\$ 1,360.00	\$ -	\$ 400.00	\$ 9,260.00
B. PS&E									
	40	50	50	0	65	72	0	40	317
	\$ 9,600.00	\$ 8,000.00	\$ 7,000.00	\$ -	\$ 4,550.00	\$ 4,896.00	\$ -	\$ 1,600.00	\$ 35,646.00
C. Construction Oversight Services									
	3	4	8	0	8	6	0	10	39
	\$ 720.00	\$ 640.00	\$ 1,120.00	\$ -	\$ 560.00	\$ 408.00	\$ -	\$ 400.00	\$ 3,848.00

Total Professional Man Hour Estimate	53	64	73	0	93	98	0	60	441
Total Estimated Professional Services Fee	\$ 12,720.00	\$ 10,240.00	\$ 10,220.00	\$ -	\$ 6,510.00	\$ 6,664.00	\$ -	\$ 2,400.00	\$ 48,754.00

Exhibit D-1

-Estimated Project Fee Schedule

WA2 Earling RD
Goolie Rd to Valverde

Task and Description	Principal	Project Manager	Senior Engineer	R.P.L.S	Senior Engineering Technician	CAD Technician	Survey Crew	Clerical	Total
Hourly Rate	\$ 240.00	\$ 160.00	\$ 140.00	\$ 150.00	\$ 70.00	\$ 68.00	\$ 150.00	\$ 40.00	
A. General Management and Co	5	10	15	0	20	20	0	10	80
	\$ 1,200.00	\$ 1,600.00	\$ 2,100.00	\$ -	\$ 1,400.00	\$ 1,360.00	\$ -	\$ 400.00	\$ 8,060.00
B. PS&E									
	27	40	40	0	55	68	0	38	268
	\$ 6,480.00	\$ 6,400.00	\$ 5,600.00	\$ -	\$ 3,850.00	\$ 4,624.00	\$ -	\$ 1,520.00	\$ 28,474.00
C. Construction Oversight Services									
	3	4	7	0	7	6	0	10	37
	\$ 720.00	\$ 640.00	\$ 980.00	\$ -	\$ 490.00	\$ 408.00	\$ -	\$ 400.00	\$ 3,638.00

Total Professional Man Hour Estimate	35	54	62	0	82	94	0	58	385
Total Estimated Professional Services Fee	\$ 8,400.00	\$ 8,640.00	\$ 8,680.00	\$ -	\$ 5,740.00	\$ 6,392.00	\$ -	\$ 2,320.00	\$ 40,172.00