

**EXHIBIT D
FEE PROPOSAL**

**Nolana Loop Project - WA #2
Segment 1 ~ FM1426 (Raul Longoria Rd.) to FM907 (Alamo Rd.)
HIDALGO COUNTY PRECINCT #2**

		MANHOURS							L&G TOTAL HOURS	Total Line Item Cost
		Senior Project Manager	Senior Engineer	Senior Environmental Specialist	Senior Engineering Tech	Environmental Planner Specialist	Admin / Clerical	Lump Sum / Sub-Contract Amounts		
FY2018 CONTRACT RATE		\$ 204.04	\$ 169.06	\$ 163.23	\$ 93.28	\$ 81.62	\$ 58.30			
WA #2 - Nolana Loop Project ~ Env Re-Eval, ROW Acquisition, & Design Survey (23 Parcels Total)										
1	Environmental Fieldwork & Desktop Surveys (Inc. Report Preparation)			46	48	66	40		200	\$ 19,704.94
2	Public Involvement			20	20	40	40		120	\$ 10,727.00
3	Archeological Resources & Sub Management			8	24	40	8		80	\$ 7,275.76
3a	SUB: Archeological Resources	SEE D-4 PAGE 5 OF 5 FOR COST BREAKDOWN						\$ 26,282.25		\$ 26,282.25
4	Environmental Coordination and Management			60		36	40		136	\$ 15,064.12
5	Administrative Review of the Final ROW Map & Geometric Alignment Check	12	16		30	30	4		92	\$ 10,633.64
6	Coordination w/ TxDOT for FPAA and ROW Release	20	14				20		54	\$ 7,613.64
7	Coordination w/ TxDOT for Project Programming in ROWIS Database	14	16				18		48	\$ 6,610.92
8	ROW Acquisition Services (23 Roadway Parcels, 3 Outfall Parcels)	SEE D-1 PAGE 2 OF 5 FOR COST BREAKDOWN						\$ 384,800.00		\$ 384,800.00
9	Monitor Available Cat 7 Funds in AFA vs. Expenditures (Duration of the Project ~ 16mo)	40	24				30		94	\$ 13,968.04
10	Preliminary Coordination w/ 3 Compensable Utilities (NAWSC, Tennessee Pipeline, STEC)	12	24			32			68	\$ 9,117.76
11	Coordination and Management of Subconsultant for Field & Design Survey	10	18				4		32	\$ 5,316.68
11a	SUB: Field Surveys for Design & Construction - Roadway	SEE D-2 PAGE 3 OF 5 FOR COST BREAKDOWN						\$ 27,715.00		\$ 27,715.00
11b	SUB: ROW Mapping w/ Parcel Exhibits - Outfall	SEE D-3 PAGE 4 OF 5 FOR COST BREAKDOWN						\$ 12,000.00		\$ 12,000.00
11c	SUB: Field Surveys for Design & Construction - Outfall	SEE D-3 PAGE 4 OF 5 FOR COST BREAKDOWN						\$ 19,115.00		\$ 19,115.00
12	Minnesota Meadows Outfall Schematic & PS&E Development	100	400		900				1400	\$ 171,980.00
13	Meetings & Coordination	30	40				22		92	\$ 14,166.20
TOTAL HOURS		238	552	0	930	62	98	\$ 443,630.00	1880	
									SUB-TOTAL	\$ 762,090.95

Total Project Fee (Work Authorization #2):

\$762,090.95

EXHIBIT "D-1"

FEE SCHEDULE - L&G ENGINEERING'S ROW ACQUISITION SERVICES

Nolana Loop Project - WA #2 Segment 1 ~ FM1426 (Raul Longoria Rd.) to FM907 (Alamo Rd.)

The following is an estimated Parcel No. Cost for completing the subject project's Right-of-Way Acquisition Services as outlined in Exhibit B according to the Exhibit D "Fee Schedule" of the contract. The parcels are estimated from the approved Schematic. **The work and payment, for these services will be accomplished by L&G Engineering and approved and paid for by Hidalgo County Pct. 2- on a percent complete basis as approved by Hidalgo County Pct. 2.** L&G Engineering will be completing the work on the approximate schedule provided in Exhibit C of this Work Order or as approved by Hidalgo County Pct. 2. The Parcels will be acquired either by completing the entire negotiation of the parcel or by modifying the approved schematic to acquire the parcels. This is a lump sum cost proposal.

RIGHT-OF-WAY ACQUISITION SERVICES

Parcel Type	Estimated Number of Parcels	Project Admin (Per Parcel)	Title Services Per Parcel	Appraisal Services Per Parcel	Appraisal Review Per Parcel	Appraisal Update	Negotiation Fees Per Parcel	Closing Services Per Parcel	**Relocation (Residential/ Business)	Grand Total of Task
Roadway	23	\$4,250.00	\$2,100.00	\$3,250.00	\$900.00		\$4,000.00	\$300.00		
Outfall	3	\$4,250.00	\$2,100.00	\$3,250.00	\$900.00		\$4,000.00	\$300.00		
	Sub Total of Tasks	\$110,500.00	\$54,600.00	\$84,500.00	\$23,400.00	*	\$104,000.00	\$7,800.00	**	\$384,800.00

(*) Appraisal Update costs included in Project Administration.

(**) Relocation assistance cost are not included in this proposal.

- Any condemnation support required will be provided by L&G Engineering as part of the administrative costs.

**BUDGET
LUMP SUM RATE BASIS OF PAYMENT**

Work Authorization No.

Project: Nolana Road Supplemental Design Surveys
County: Hidalgo County, Texas
From: Varies
To: Varies

Exhibit D-2

Vickrey and Associates, Inc.
 1216 E. Jasmin Ave. Ste. C
 McAllen, Texas 78501
 TBPLS Firm No. 10004100

Lump Sum- Not to Exceed/ Specified Rate SUE

TASK AND DESCRIPTION	Survey PM	Senior Survey Technician/SIT	Survey Technician	3-man Survey Crew	2-man Survey Crew	Utility Coord./ Abstractor	Admin/ Clerical	Total Hours/ Units	Cost
Design Survey									
HOURLY RATE	\$175.00	\$105.00	\$85.00	\$180.00	\$150.00	\$90.00	\$70.00		
Work Authorization No. 1- Design/Topography/ SUE									
PHASE 1- Design Survey									
A. FM 907- Alamo Road (1,000 LF Total)									
1. Verify Existing HV Control	1	1	0	0	5	0	0	7	\$1,030.00
2. Field Surveys	0	0	0	0	16	2	0	18	\$2,580.00
3. Utilties	0	0	0	0	2	0	0	2	\$300.00
B. Raul Longoria to East Drain Ditch (2,500 LF total)									
1. Verify Existing HV Control	1	1	0	0	4	0	0	6	\$880.00
2. Field Surveys	0	0	0	0	40	0	0	40	\$6,000.00
3. Utilties	0	0	0	0	2	2	0	4	\$480.00
4. Existing ROW	2	12	0	0	8	4	0	26	\$3,170.00
Total hours	4	14	0	0	77	8	0	103	
Subtotal Design Survey	\$700.00	\$1,470.00	\$0.00	\$0.00	\$11,550.00	\$720.00	\$0.00		\$14,440.00
PHASE 2- Deliverables									
A. Mapping	0	8	4	0	0	0	1	13	\$1,250.00
B. Geopak/ Tin Files	0	8	4	0	0	0	0	12	\$1,180.00
C. QAQC	2	4	0	0	0	0	0	6	\$770.00
Total Hours	2	20	8	0	0	0	1	31	
Subtotal Deliverables	\$350.00	\$2,100.00	\$680.00	\$0.00	\$0.00	\$0.00	\$70.00		\$3,200.00
PHASE 3- Utlity Investigation									
A. Utlity crossings/inverts/coordiuation									
1. Irrigation Inverts	1	4	3	0	16	8	0	32	\$3,970.00
2. Water line locates	1	4	2	0	6	8	0	21	\$2,385.00
3. Sanitary Sewer locates	1	4	2	0	6	8	0	21	\$2,385.00
4. Gas Exposure locates	1	2	2	0	4	2	0	11	\$1,335.00
Total hours	4	14	9	0	32	26	0	85	
Total Fee Phase 3	\$700.00	\$1,470.00	\$765.00	\$0.00	\$4,800.00	\$2,340.00	\$0.00		\$10,075.00
Total Fee Phase 1, Phase 2, Phase 3									\$27,715.00
Total Fee									\$27,715.00

**BUDGET
LUMP SUM RATE BASIS OF PAYMENT**

Work Authorization No.

Project: Nolana Outfall
County: Hidalgo County, Texas
From: Nolana
To: LJ Drain Ditch

Exhibit D-3

Vickrey and Associates, Inc.
1216 E. Jasmin Ave. Ste. C
McAllen, Texas 78501
TBPLS Firm No. 10004100

Lump Sum- Not to Exceed

TASK AND DESCRIPTION	RPLS	Senior Survey	Survey	3-man	2-man	Utility Coord./	Admin/	Total	Cost
Design Survey, Right of Way Mapping, Parcel Exhibits	Task Leader	Technician/SIT	Technician	Survey Crew	Survey Crew	Abstractor	Clerical	Hours	
HOURLY RATE	\$175.00	\$105.00	\$85.00	\$180.00	\$150.00	\$90.00	\$70.00		
Work Authorization No. 1- Design/Topography/ Utilities/ Ex. ROW's									
PHASE 1- Design Survey									
A. Horizontal and Vertical Control									
a. H/V Control Every 1,000' (5/8" x36" Plastic Cap- 4 points)	1	1	0	0	16	0	0	18	\$2,680.00
a. Field (RTK, Levels)	0	0	0	0	20	2	0	22	\$3,180.00
b. Processing	1	16	0	0	0	0	0	17	\$1,855.00
d. Right of Entry	1	0	0	0	0	0	8	9	\$735.00
2. Design Survey									
a. Field (100' cross sections, 200' East- West @ Minnesota. 500' at	0	0	0	0	24	0	0	24	\$3,600.00
b. Utilities (Texas 811, Irrigation District Coordination)	1	2	0	0	8	8	0	19	\$2,305.00
c. Processing	0	8	0	0	0	0	0	8	\$840.00
3. Deliverables									
a. Control Sheets	2	8	0	0	0	0	0	10	\$1,190.00
b. CADD (Graphics, Tin)	2	16	0	0	0	0	0	18	\$2,030.00
c. QAQC	4	0	0	0	0	0	0	4	\$700.00
Total hours	12	51	0	0	68	10	8	149	
Total Fee Phase 1	\$2,100.00	\$5,355.00	\$0.00	\$0.00	\$10,200.00	\$900.00	\$560.00		\$19,115.00
Phase 2- Right of Way Mapping and Parcel Exhibits (Est. 3 Parcels)									
A. ROW Mapping									\$3,000.00
B. Parcel Exhibits(3 Parcels@ \$3,000 each)									\$9,000.00
Total Fee Phase 2									\$12,000.00
Total Fee PH 1 and PH 2									\$31,115.00

Exhibit D-4

AmaTerra Environmental 20-396 - 10/8/2020

L&G - Nolana Loop Re-Eval									
	Project Management & Admin	Archeology Background Study	Archeology				Total	Rate	Total cost
			antiquities permit application	prefield and field work	draft report	final report and curation			
Principal	4						4	\$232.00	\$ 928.00
Program Director	4						4	\$164.00	\$ 656.00
Project Manager	8	1		1	1	1	12	\$142.00	\$ 1,704.00
Archeologist VI/ Sr. Principal Investigator		4	4	4	8	2	22	\$136.00	\$ 2,992.00
Archeologist V/ Principal Investigator							0	\$101.00	\$ -
Archeologist IV/Project Arch./Lab Director		8	4	32	40	12	96	\$91.00	\$ 8,736.00
Archeologist III/Field Director				28	8	6	42	\$86.00	\$ 3,612.00
Archeologist II/Crew Chief							0	\$77.00	\$ -
Archeologist I/Technician							0	\$67.00	\$ -
GIS Specialist		4	2	2	6	2	16	\$109.00	\$ 1,744.00
GIS Technician/Illustrator/Drafter							0	\$70.00	\$ -
Admin./Document Production Spvr	4				8	2	14	\$88.00	\$ 1,232.00
Editor							0	\$74.00	\$ -
Clerical	4						4	\$61.00	\$ 244.00
	\$ 3,316.00	\$ 1,850.00	\$ 1,126.00	\$ 6,224.00	\$ 6,916.00	\$ 2,416.00			
Subtotal	\$ 3,316.00	\$ 1,850.00	\$	\$ 16,682.00	\$	\$ 2,416.00			\$ 21,848.00
meals				8			8	\$ 55.00	\$ 440.00
lodging (tax included)				8			8	\$ 110.00	\$ 880.00
Mileage				700			700	\$ 0.58	\$ 406.00
Field Supplies				1			1	\$ 100.00	\$ 100.00
Backhoe Rental				1			1	\$1,500.00	\$ 1,500.00
TARL site registration						2	2	\$ 96.00	\$ 192.00
Curation-CAS						3	3	\$ 262.00	\$ 786.00
Copies, B&W	75	10	25	30	75	150	365	\$ 0.10	\$ 36.50
Copies, color	25	5	10	10	25	50	125	\$ 0.75	\$ 93.75
	\$ 26.25	\$ 4.75	\$ 10.00	\$ 3,336.50	\$ 218.25	\$ 838.50			
Subtotal	\$ 26.25	\$ 4.75	\$	\$ 4,403.25	\$	\$ 838.50			\$ 4,434.25
TOTAL	\$ 3,342.25	\$ 1,854.75	\$	\$ 21,085.25	\$	\$ 838.50			\$ 26,282.25

Archeological Investigations
Re-Evaluation of the Nolana Loop Project,
Hidalgo County, Texas