

**AMENDMENT TO  
PROFESSIONAL SERVICES AGREEMENT  
FOR CIVIL ENGINEERING SERVICES FOR  
THE BABCOCK ROAD (WEST HAUSMAN TO UTSA BOULEVARD) PROJECT  
NO.: 23-03865  
AMENDMENT NO. 1**

This Amendment to the Professional Services Agreement for Civil Engineering Services for the Babcock Road (West Hausman to UTSA Boulevard) Project ("Project"), is entered into by and between the City of San Antonio ("City"), a home rule municipal corporation, acting by and through its City Manager, and Legacy Engineering Group, PLLC ("Consultant"), acting by and through its duly authorized corporate representative, as set out below. The City and Consultant are referred to collectively herein as the "Parties".

**WHEREAS**, on November 10, 2022, through Ordinance 2022-11-10-0872, City Council approved the execution of a Professional Services Agreement between the Parties for Professional Services for the Project; and

**WHEREAS**, on May 22, 2023, the Parties executed a Professional Services Agreement in an amount not to exceed \$1,048,395.93 ("Original Agreement"); and

**WHEREAS**, the Parties desire to add additional Civil Engineering services and increase the contract capacity by \$433,508.14 to the Project, as described in the Fee Proposal attached as **Exhibit 1**, and summarized in the table below:

Original contract capacity	\$1,048,395.93
Amendment amount	\$433,508.14
New contract capacity	\$1,481,904.07

**WHEREAS**, it is understood between the Parties that **Exhibit 1** is attached solely for reference to the additional scope of services contained therein, and City is not bound by any additional terms or conditions contained therein nor in any attachments thereto; and

**WHEREAS**, the Contract Price is hereby revised to a not to exceed amount of \$1,481,904.07; and

**NOW THEREFORE**, in consideration of the terms, covenants, agreements and demises herein contained each to the other given, the sufficiency and receipt of which are hereby acknowledged, the Original Agreement is amended as follows:

1. **Contract Price.** The not to exceed amount of the Contract Price is hereby increased in the amount of \$433,508.14 for a revised not to exceed Contract Price of ONE MILLION, FOUR HUNDRED EIGHTY-ONE THOUSAND, NINE HUNDRED FOUR, AND 07/100 U.S. DOLLARS (\$1,481,904.07).

2. **Additional Services.** The additional services described in the proposal letter attached as Exhibit 1, excluding any additional terms contained therein or in any attachments thereto, are hereby added and incorporated into the Original Agreement.

Except as amended hereby, all other provisions of the Agreement and corresponding Amendments are hereby retained in their entirety and remain unchanged.

**EXECUTED** and **AGREED** on this date: \_\_\_\_\_.

**CITY OF SAN ANTONIO**

**LEGACY ENGINEERING GROUP,  
PLLC**

\_\_\_\_\_  
(Signature)

Razi Hosseini, P.E., R.P.L.S.  
Director/City Engineer  
Public Works Department

\_\_\_\_\_  
(Signature)

Oscar Michael Garza, PE, PTOE, RSP1  
President & CEO

Approved as to Form:

\_\_\_\_\_  
Tino Gallegos  
Assistant City Attorney

## **Exhibit 1**



March 19, 2024

James C. Wucinski, P.E.  
Senior Engineer / Project Manager  
City of San Antonio Public Works Department  
114 W. Commerce Street, 5th Floor  
San Antonio, TX 78205

Sub: Project #23-03865 – 2022 COSA Bond Program  
Babcock Road Project (W Hausman Rd to UTSA Blvd) – Proposal for Amendment to Agreement

Dear Mr. Wucinski:

Legacy Engineering Group is pleased to submit this proposal for an amendment to the Professional Services Agreement on the above-referenced project due to the additional scope of work requested by the City of San Antonio. The additional scope of work includes extending the northern project limits approximately 1,300 LF to the north (near University Row), adding a southbound right turn lane at the intersection of Babcock Road & W Hausman Road, adding a northbound right turn lane at the intersection of Babcock Road & UTSA Blvd, and incorporating the Maverick Creek Trail Project design into the plans. We propose to perform work as described in the attached Fee Schedule per the latest DGM, the Project Work Plan, and Exclusions/Modifications to the Scope of Services document.

As shown in the table below, the total Base Fee increase requested is \$279,925.28; if approved, we propose to provide these services under a lump sum fee that will be paid as defined in the table below or as approved by the City of San Antonio. It should be noted that Additional Services and Allowance Allocations of \$153,582.86 are also proposed which will be utilized as needed and only as approved by you and your staff.

BASE SERVICES	
70% Design Phase	\$192,845.88
95% Design Phase	\$69,644.36
Bid Phase	\$7,487.40
Construction Phase	\$7,277.00
Project Closeout	\$2,670.64
<b>TOTAL BASE SERVICES:</b>	<b>\$279,925.28</b>
ADDITIONAL SERVICES / ALLOWANCES	
WPAP Services (Edwards Aquifer Recharge Zone)	\$27,714.78
Design Services (Incorporate Maverick Creek Project)	\$52,206.08
SUE Services	\$48,662.00
Additional Engineering Services	\$25,000.00

Thank you very much for giving us the opportunity to continue to serve you and your team!

Sincerely,

A handwritten signature in blue ink, appearing to read "Oscar Michael Garza".

Oscar Michael Garza, PE, PTOE, RSP<sub>1</sub>  
Project Manager ~ Legacy Engineering Group

**OVERALL PWP SUMMARY ~ BABCOCK ROAD PHASE I PROJECT (EXTENDED LIMITS SUPPLEMENTAL)**

Base Fee	Amount
Legacy	\$ 148,854.00
CHA (Drainage)	\$ 35,174.28
WPS (Survey)	\$ 46,400.00
CP&Y (SW3P)	\$ 19,116.00
Garver (QAQC)	\$ 11,255.00
RETL (Geotech)	\$ 10,895.00
PCI (Trees)	\$ 8,231.00
<b>Base Fee Sub-Total:</b>	<b>\$ 279,925.28</b>

Additional Services	Amount
Legacy (Maverick Creek)	\$ 24,517.00
CHA (Maverick Creek)	\$ 23,489.08
RVK (Maverick Creek)	\$ 4,200.00
CHA (WPAP)	\$ 27,714.78
Half (SUE Services)	\$ 48,662.00
<b>Additional Service Sub-Total:</b>	<b>\$ 128,582.86</b>

Allowance	Amount
Additional Engineering Services	\$ 25,000.00
<b>Additional Service Sub-Total:</b>	<b>\$ 25,000.00</b>

<b>TOTAL AMOUNT:</b>	<b>\$ 433,508.14</b>
----------------------	----------------------

Base Fee								
Activity	Legacy	CHA	WPS	CP&Y	Garver	RETL	PCI	Total
70% Design	\$ 100,477.00	\$ 22,972.88	\$ 37,190.00	\$ 12,206.00	\$ 5,122.00	\$ 10,895.00	\$ 3,983.00	\$ 192,845.88
95% Design	\$ 39,252.00	\$ 8,385.36	\$ 6,580.00	\$ 6,910.00	\$ 5,122.00	-	\$ 3,395.00	\$ 69,644.36
Bid Phase Services	\$ 3,601.00	\$ 2,022.40	-	-	\$ 1,011.00	-	\$ 853.00	\$ 7,487.40
Construction Phase Services	\$ 3,651.00	\$ 996.00	\$ 2,630.00	-	-	-	-	\$ 7,277.00
Project Closeout	\$ 1,873.00	\$ 797.64	-	-	-	-	-	\$ 2,670.64
<b>Total Basic Design Services Fee</b>	<b>\$ 148,854.00</b>	<b>\$ 35,174.28</b>	<b>\$ 46,400.00</b>	<b>\$ 19,116.00</b>	<b>\$ 11,255.00</b>	<b>\$ 10,895.00</b>	<b>\$ 8,231.00</b>	<b>\$ 279,925.28</b>

Additional Services					
Activity	Legacy	CHA	RVK	Half	Total
WPAP Services		\$ 27,714.78			\$ 27,714.78
Maverick Creek Project	\$ 24,517.00	\$ 23,489.08	\$ 4,200.00		\$ 52,206.08
Survey Services					-
SUE Services				\$ 48,662.00	\$ 48,662.00
<b>Total Additional Services</b>	<b>\$ 24,517.00</b>	<b>\$ 51,203.86</b>	<b>\$ 4,200.00</b>	<b>\$ 48,662.00</b>	<b>\$ 128,582.86</b>

Allowances	
Activity	Total
Additional Engineering Services Allowance	\$ 25,000.00
<b>Total Allowances</b>	<b>\$ 25,000.00</b>

<b>TOTAL NOT-TO-EXCEED AMOUNT:</b>	<b>\$ 433,508.14</b>
------------------------------------	----------------------

City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Extended Project Limits)  
 Prime Consultant: Legacy Engineering Group  
 Proposal Date: 2/20/2024  
 Prepared By: Oscar Michael Garza, PE, PTOE, RSP1 (Project Manager)

	Project Manager \$160.00	Project Engineer \$132.00	Design Engineer \$125.00	EIT III \$101.00	EIT I \$97.00	Eng Tech III \$84.50	CADD Tech II \$83.00	Admin/ Clerical \$65.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
<b>70% Design (Updates to Original Project Limits)</b>	<b>20</b>	<b>47</b>	<b>75</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>86</b>	<b>1</b>	<b>294</b>	<b>\$32,547.00</b>
01. Project Management and General Items										
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, dc	1	2	2					1	6	\$739.00
01.080. QA/QC (processes, communication, and deliverables)	1	2							3	\$424.00
04. Roadway Design										
04.020. Update Typical Roadway Sections (Existing and Proposed) for various roadways in project a	1	2	2	4			8		17	\$1,742.00
04.030. Update Horizontal Roadway Alignments	1	2	4						7	\$924.00
04.040. Update Roadway Profiles	1	4	8						13	\$1,688.00
04.050. Update Street Cross Sections	1	4	8	16			16		45	\$4,632.00
07. Utility Coordination / Management										
07.010. Update Utility Basemap	1	4	8	8			24		45	\$4,488.00
07.020. Update Utility Coordination (Section 5.0 of the DGM)	2	4	4						10	\$1,348.00
07.030. Incorporate Joint-Bid Utility Plans	1	4	4	8			8		25	\$2,660.00
07.040. Update Utility Conflict Matrix and continually monitor throughout design for resolution of all ut	4	8	16						28	\$3,696.00
08. Traffic Control Plan										
08.010. Update Construction Phasing Typical Sections	1	1	1	1			2		6	\$684.00
08.020. Update Construction Phasing and Sequence of Work	1	1	1	2			2		7	\$785.00
08.030. Update Construction Phasing Layouts	1	1	1	2			2		7	\$785.00
09. Other Plans										
09.010. Update Intersection Layouts	1	2	4	8			8		23	\$2,396.00
09.050. Update Pavement Marking and Signing Plan	1	4	8	16			16		45	\$4,632.00
11. Cost Estimating										
11.010. Update Current Cost Estimate	1	2	4						7	\$924.00
<b>70% Design (PS&amp;E) (Extended Project Limits)</b>	<b>54</b>	<b>72</b>	<b>116</b>	<b>164</b>	<b>0</b>	<b>0</b>	<b>224</b>	<b>2</b>	<b>632</b>	<b>\$67,930.00</b>
01. Project Management and General Items										
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, dc	2	2	2					2	8	\$964.00
01.080. QA/QC (processes, communication, and deliverables)	2								2	\$320.00
04. Roadway Design										
04.010. General Sheets – Index, Summaries / Quantities, Supplemental General Notes	2	2	2	6			6		18	\$1,938.00
04.020. Refine Typical Roadway Sections (Existing and Proposed) for various roadways in project ar	2	2	2	4			6		16	\$1,736.00
04.030. Horizontal Roadway Alignments	2	2	4						8	\$1,084.00
04.040. Roadway Profiles	2	4	6						12	\$1,598.00
04.050. Street Cross Sections	2	2	6	12			12		34	\$3,542.00
04.060. Develop Plan and Profile sheets for 1" = 40' plans unless PM specified differently	2	6	12	12			20		52	\$5,484.00
04.070. Driveway Summary Sheet	2	2	2	4			4		14	\$1,570.00
07. Utility Coordination / Management										
07.010. Utility Basemap	2	2	4	6			12		26	\$2,686.00
07.020. Utility Coordination (Section 5.0 of the DGM)	4	4	4						12	\$1,668.00
07.030. Incorporate Joint-Bid Utility Plans	2	2	2	4			4		14	\$1,570.00
07.040. Update Utility Conflict Matrix and continually monitor throughout design for resolution of all ut	4	6	6						16	\$2,182.00

08. Traffic Control Plan									
08.010. Construction Phasing Typical Sections	2	2	2	6		8		20	\$2,104.00
08.020. Construction Phasing and Sequence of Work	2	2	2	4		6		16	\$1,736.00
08.030. Construction Phasing Layouts	2	4	6	12		12		36	\$3,806.00
08.040. Traffic control and advanced warning devices	2	2	4	8		8		24	\$2,556.00
08.050. Detour layouts and barricade plans	2	4	6	12		20		44	\$4,470.00
08.080. Pedestrian detours	2	4	8	16		20		50	\$5,124.00
08.090. Joint-bid utilities incorporation (joint-design or non-joint-design)	2	2	4	6		6		20	\$2,188.00
09. Other Plans									
09.010. Intersection Layouts	4	4	8	16		16		48	\$5,112.00
09.030. Traffic Signal Plans (Modifications at UTSA Blvd Intersection)	4	8	16	24		40		92	\$9,440.00
09.050. Pavement Marking and Signing Plan	2	4	8	12		24		50	\$5,052.00
<b>95% Design (PS&amp;E) (Extended Project Limits)</b>	<b>30</b>	<b>46</b>	<b>68</b>	<b>92</b>	<b>0</b>	<b>0</b>	<b>126</b>	<b>2</b>	<b>\$39,252.00</b>
01. Project Management and General Items									
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, dc	2	2	2				2	8	\$964.00
01.080. QA/QC (processes, communication, and deliverables)	2							2	\$320.00
04. Roadway Design									
04.010. General Sheets – Index, Summaries / Quantities, Supplemental General Notes	1	2	2	4		4		13	\$1,410.00
04.020. Refine Typical Roadway Sections (Existing and Proposed) for various roadways in project ar	1	2	2	2		4		11	\$1,208.00
04.030. Horizontal Roadway Alignments	1	2	2					5	\$674.00
04.040. Roadway Profiles	1	2	4					7	\$924.00
04.050. Street Cross Sections	1	2	4	6		6		19	\$2,028.00
04.060. Develop Plan and Profile sheets for 1" = 40' plans unless PM specified differently	1	4	6	6		12		29	\$3,040.00
04.070. Driveway Summary Sheet	1	2	2	2		2		9	\$1,042.00
07. Utility Coordination / Management									
07.010. Utility Basemap	1	2	2	4		6		15	\$1,576.00
07.020. Utility Coordination (Section 5.0 of the DGM)	2	2	2					6	\$834.00
07.030. Incorporate Joint-Bid Utility Plans	1	2	2	2		2		9	\$1,042.00
07.040. Update Utility Conflict Matrix and continually monitor throughout design for resolution of all ut	2	4	4					10	\$1,348.00
08. Traffic Control Plan									
08.010. Construction Phasing Typical Sections	1	1	1	4		4		11	\$1,153.00
08.020. Construction Phasing and Sequence of Work	1	1	1	2		4		9	\$951.00
08.030. Construction Phasing Layouts	1	2	4	6		6		19	\$2,028.00
08.040. Traffic control and advanced warning devices	1	1	2	4		4		12	\$1,278.00
08.050. Detour layouts and barricade plans	1	2	4	6		12		25	\$2,526.00
08.080. Pedestrian detours	1	2	4	8		12		27	\$2,728.00
08.090. Joint-bid utilities incorporation (joint-design or non-joint-design)	1	1	2	4		4		12	\$1,278.00
09. Other Plans									
09.010. Intersection Layouts	2	2	4	8		12		28	\$2,888.00
09.030. Traffic Signal Plans (Modifications at UTSA Blvd Intersection)	2	2	4	8		16		32	\$3,220.00
09.050. Pavement Marking and Signing Plan	2	4	8	16		16		46	\$4,792.00
<b>Bid Phase (Extended Project Limits)</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>\$3,601.00</b>
12. Bid Phase								0	\$0.00
12.010. Submit 100% Plans With All Joint-Bid Utilities		1	1					2	\$257.00
12.020. Final Project Specifications Book		1	1				1	3	\$322.00
12.030. Submittal List		1	1				1	3	\$322.00
12.040. Finalize Constructability Issues		1	1					2	\$257.00
12.050. Review Utility Conflict Report and Address Pending Items		1	1					2	\$257.00
12.060. Participate in 100% Review Meeting		1	1					2	\$257.00
12.070. Assist the City in Preparing Advertising Documents		1	1				1	3	\$322.00
12.080. Distribute Plans and Specifications to Contractors and Plan Rooms		1	1					2	\$257.00
12.090. Participate in Pre-Bid Meeting		1	1					2	\$257.00
12.100. Respond to Contractor Questions		1	1					2	\$257.00
12.110. Prepare and Distribute Necessary Addenda		1	1					2	\$257.00
12.120. Evaluate Bids, Prepare Bid Tabulation, and Issue Letter of Recommendation		1	1				1	3	\$322.00
12.130. Participate in Pre-Con meeting		1	1					2	\$257.00

<b>Construction Phase (Extended Project Limits)</b>	<b>9</b>	<b>9</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>27</b>	<b>\$3,651.00</b>
13. Construction Management										
13.020. Review Contractor Pay Estimates	1	1	1						3	\$417.00
13.030. Review / Negotiate Change Orders	1	1	1						3	\$417.00
13.040. Review Shop Drawings	1	1	1						3	\$417.00
13.050. Respond to RFI's	1	1	1						3	\$417.00
13.060. Project Site Visits and Reports (Minimum Two Per Month)	1	1	1						3	\$417.00
13.070. Participate in all Construction Progress Meetings and Prepare Meeting Minutes (Coincide With)	1	1	1					1	4	\$482.00
13.080. Final Walkthrough and Punchlist Review	1	1							2	\$292.00
13.100. Prepare project record drawings and update quarterly	1	1	1				1		4	\$500.00
13.110. Participate in one-year warranty inspection of project	1	1							2	\$292.00
<b>Project Closeout (Extended Project Limits)</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>17</b>	<b>\$1,873.00</b>
01. Project Management and General Items										
01.090. Operations and Maintenance Manual	1	1	1						3	\$417.00
14. Project Closeout										
14.010. Provide Record Drawings	1	1	4				8		14	\$1,456.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>115</b>	<b>189</b>	<b>284</b>	<b>321</b>	<b>0</b>	<b>0</b>	<b>445</b>	<b>10</b>	<b>1364</b>	<b>\$148,854.00</b>



City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Extended Project Limits)  
 Prime Consultant: Legacy Engineering Group  
 Proposal Date: 2/20/2024  
 Prepared By: Oscar Michael Garza, PE, PTOE, RSP1 (Project Manager)

	Project Manager \$160.00	Project Engineer \$132.00	Design Engineer \$125.00	EIT III \$101.00	EIT I \$97.00	Eng Tech III \$84.50	CADD Tech II \$83.00	Admin/ Clerical \$65.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
<b>70% Design (PS&amp;E) (Incorporating Maverick Creek Project)</b>	<b>10</b>	<b>12</b>	<b>18</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>52</b>	<b>1</b>	<b>137</b>	<b>\$14,259.00</b>
01. Project Management and General Items										
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, do	1	1	1					1	4	\$482.00
01.080. QA/QC (processes, communication, and deliverables)	1								1	\$160.00
04. Roadway Design										
04.050. Update Street Cross Sections	1	1	2	8			8		20	\$2,014.00
04.060. Update Plan and Profile sheets for 1" = 40' plans unless PM specified differently	1	2	4	4			8		19	\$1,992.00
07. Utility Coordination / Management										
07.010. Update Utility Basemap	1	1	2	4			8		16	\$1,610.00
08. Traffic Control Plan										
08.010. Update Construction Phasing Typical Sections	1	1	1	4			4		11	\$1,153.00
08.030. Update Construction Phasing Layouts	1	2	2	8			8		21	\$2,146.00
08.050. Update Detour layouts and barricade plans	1	2	2	8			8		21	\$2,146.00
08.080. Update Pedestrian detours	1	1	2	4			4		12	\$1,278.00
09. Other Plans										
09.010. Update Intersection Layouts	1	1	2	4			4		12	\$1,278.00
<b>95% Design (PS&amp;E) (Incorporating Maverick Creek Project)</b>	<b>10</b>	<b>9</b>	<b>16</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>1</b>	<b>97</b>	<b>\$10,258.00</b>
01. Project Management and General Items										
01.070. Project Administration (includes but not limited to invoicing, sub consultants management, do	1	1	1					1	4	\$482.00
01.080. QA/QC (processes, communication, and deliverables)	1								1	\$160.00
04. Roadway Design										
04.050. Update Street Cross Sections	1	1	2	2			4		10	\$1,076.00
04.060. Update Plan and Profile sheets for 1" = 40' plans unless PM specified differently	1	1	2	1			4		9	\$975.00
07. Utility Coordination / Management										
07.010. Update Utility Basemap	1	1	2	2			4		10	\$1,076.00
08. Traffic Control Plan										
08.010. Update Construction Phasing Typical Sections	1	1	1	2			2		7	\$785.00
08.030. Update Construction Phasing Layouts	1	1	2	2			4		10	\$1,076.00
08.050. Update Detour layouts and barricade plans	1	1	2	2			8		14	\$1,408.00
08.080. Update Pedestrian detours	1	1	2	4			8		16	\$1,610.00
09. Other Plans										
09.010. Update Intersection Layouts	1	1	2	4			8		16	\$1,610.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>20</b>	<b>21</b>	<b>34</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>94</b>	<b>2</b>	<b>234</b>	<b>\$24,517.00</b>

City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)  
 Prime Consultant: Legacy Engineering Group  
 Subconsultant: Camacho-Hernandez & Associates, LLC  
 Proposal Date: 2/20/2024  
 Prepared By: John Hernandez

	Project Manager \$165.00	Senior Engineer \$135.00	Design Engineer \$124.50	EIT I \$96.50	EIT III \$103.88	Engineering Tech \$85.22	CADD \$83.66	Admin/ Clerical \$62.00	
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK / PHASE FEE
<b>70% Design (PS&amp;E) (Extended Project Limits)</b>	<b>3</b>	<b>19</b>	<b>52</b>	<b>40</b>	<b>52</b>	<b>24</b>	<b>24</b>	<b>2</b>	<b>\$22,972.88</b>
01. Project Management and General Items									
01.070. Project Administration	1		2					2	\$538.00
01.080. QA/QC	2	2							\$600.00
05. Drainage Design									
05.010. Establish Drainage Discharge									
05.010.010. Delineate drainage areas and establish flow patterns		2	8		12				\$2,512.56
05.010.020. Model Hydrology (Pre-Project and Post-Project)		2	4						\$768.00
05.010.030. Calculate Design Discharges		1	2						\$384.00
05.020. Design Storm Drain Facilities (Plan and Profile)									
05.020.010. Roadways and Storm Drain System		4	12	40	40	24	24		\$14,102.32
05.020.070. Mandatory Detention/Downstream Analysis		8	24						\$4,068.00
<b>95% Design (PS&amp;E) (Extended Project Limits)</b>	<b>4</b>	<b>8</b>	<b>18</b>	<b>14</b>	<b>14</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>\$8,385.36</b>
01. Project Management and General Items									
01.070. Project Administration	2		4					4	\$1,076.00
01.080. QA/QC	2	2							\$600.00
05. Drainage Design									
05.020. Design Storm Drain Facilities (Plan and Profile)									
05.020.010. Roadways and Storm Drain System		4	6	14	14	8	8		\$5,443.36
05.020.070. Mandatory Detention/Downstream Analysis		2	8						\$1,266.00
<b>Bid Phase (Extended Project Limits)</b>	<b>0</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>\$2,022.40</b>
12. Bid Phase									
12.010. Submit 100% Plans With All Joint-Bid Utilities		1	1	1	1	2	2		\$797.64
12.020. Final Project Specifications			1						\$124.50
12.030. Submittal List			1						\$124.50
12.040. Finalize Constructability Issues		1	2		2				\$591.76
12.100. Respond to Contractor Questions		1	2						\$384.00
<b>Construction Phase (Extended Project Limits)</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>\$996.00</b>
13. Construction Management									
13.040. Review Shop Drawings/Submittals			2						\$249.00
13.050. Respond to RFI's			2						\$249.00
13.060. Project Site Visits			4						\$498.00
<b>Project Closeout (Extended Project Limits)</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>\$797.64</b>
14. Project Closeout									
14.010. Provide Record Drawings		1	1	1	1	2	2		\$797.64
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>7</b>	<b>31</b>	<b>86</b>	<b>56</b>	<b>70</b>	<b>36</b>	<b>36</b>	<b>6</b>	<b>\$35,174.28</b>

City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)  
 Prime Consultant: Legacy Engineering Group  
 Subconsultant: Westwood Professional Services  
 Proposal Date: 2/20/2024  
 Prepared By: Mark Miller, PE,

	Project Manager \$220.00	Senior Engineer \$210.00	Engineer II \$190.00	Engineer I \$170.00	Graduate Engineer I \$140.00	Engineering Tech V / Designer III \$140.00	RPLS \$200.00	Survey Tech \$165.00	Survey 2-Man Crew \$190.00	Admin I \$80.00	
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK / PHASE FEE
<b>70% Design (Base Fee - Extended Project Limits)</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>92</b>	<b>85</b>	<b>2</b>	<b>\$37,190.00</b>
<b>01. Project Management and General Items</b>											
01.070. Project Administration (includes but not limited to invoicing, sub consultants management)	2									2	\$600.00
01.080. QA/QC (processes, communication, and deliverables)	1	4									\$1,060.00
<b>02. Right-of-Way Surveying and Mapping</b>											
02.010. Acquire Ownership Information							1	6			\$1,190.00
02.020. Secure Right-of-Entry							1	8			\$1,520.00
02.030. Survey ROW											\$0.00
02.030.01 Apparent ROW							4	12	10		\$4,680.00
02.050. Prepare ROW Map											\$0.00
<b>03. Topographic Surveying / Base Mapping</b>											
03.010. Establish Primary Project Control							2	2	6		\$1,870.00
03.020. Establish Secondary Project Control							1	2	6		\$1,670.00
03.030. Set Project Centerline or Baseline											\$0.00
03.030.01 Interval 50'											\$0.00
03.040. Survey Topographic Features							4	24	25		\$9,510.00
03.050. Survey Cross Sections / Spot Elevations to Develop DTM / Cross Sections											\$0.00
03.050.01 25 feet into adjacent property								8	12		\$3,600.00
03.060. Secure utility maps (any and all known utilities)											\$0.00
03.070. Survey Quality Level C Locates							2	12			\$2,380.00
03.080. Survey Trees									16		\$3,040.00
03.090. Survey Bridges and Structures							2	6	10		\$3,290.00
03.100. Survey Ordinary High Water Mark (Coordinate with Environmental Division)											\$0.00
03.110. Develop Project Layout Sheet With Control Points											\$0.00
03.120. Stake Storm Drain Outfall Alignment (Coordinate with Environmental Division)							4	12			\$2,780.00
03.130. Centerline / ROW Staking for Utility Relocation Prior to Project Bid (2 times: 1 – prior to utility design (non joint-design), 2-prior to utility construction (non joint-bid))											\$0.00
<b>95% Design (Extended Project Limits Survey)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>12</b>	<b>20</b>	<b>0</b>	<b>\$6,580.00</b>
<b>03. Topographic Surveying / Base Mapping</b>											
03.130. Centerline / ROW Staking for Utility Relocation Prior to Project Bid (2 times: 1 – prior to utility design (non joint-design), 2-prior to utility construction (non joint-bid))							4	12	20		\$6,580.00
<b>Construction Phase</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>\$2,630.00</b>
<b>13. Construction Management</b>											
13.010. Reestablish Project Control Points for Contractor Prior to Construction							2	2	10		\$2,630.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>106</b>	<b>115</b>	<b>2</b>	<b>\$46,400.00</b>

City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)  
 Prime Consultant: Legacy Engineering Group  
 Subconsultant: Camacho-Hernandez & Associates, LLC  
 Proposal Date: 2/20/2024  
 Prepared By: John Hernandez

	Project Manager \$165.00	Senior Engineer \$135.00	Design Engineer \$124.50	EIT I \$96.50	EIT III \$103.88	Engineering Tech \$85.22	CADD \$83.66	Admin/ Clerical \$62.00	
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK / PHASE FEE
<b>70% Design (PS&amp;E) (Incorporating Maverick Creek Project)</b>	<b>5</b>	<b>11</b>	<b>34</b>	<b>28</b>	<b>28</b>	<b>16</b>	<b>16</b>	<b>4</b>	<b>\$15,103.72</b>
01. Project Management and General Items									
01.070. Project Administration	2		6					4	\$1,325.00
01.080. QA/QC	3	3							\$900.00
05. Drainage Design									
05.020. Design Storm Drain Facilities (Plan and Profile)									
05.020.010. Roadways and Storm Drain System		4	12	28	28	16	16		\$10,346.72
05.020.070. Mandatory Detention/Downstream Analysis		4	16						\$2,532.00
<b>95% Design (PS&amp;E) (Incorporating Maverick Creek Project)</b>	<b>4</b>	<b>8</b>	<b>18</b>	<b>14</b>	<b>14</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>\$8,385.36</b>
01. Project Management and General Items									
01.070. Project Administration	2		4					4	\$1,076.00
01.080. QA/QC	2	2							\$600.00
05. Drainage Design									
05.020. Design Storm Drain Facilities (Plan and Profile)									
05.020.010. Roadways and Storm Drain System		4	6	14	14	8	8		\$5,443.36
05.020.070. Mandatory Detention/Downstream Analysis		2	8						\$1,266.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>9</b>	<b>19</b>	<b>52</b>	<b>42</b>	<b>42</b>	<b>24</b>	<b>24</b>	<b>8</b>	<b>\$23,489.08</b>

City of San Antonio - Public Works Department

Design Guidance Manual  
PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)  
Prime Consultant: Legacy Engineering  
Subconsultant: Camacho - Hernandez & Associates  
Proposal Date: 2/20/2024  
Prepared By: John Hernandez, P.E.

Position/Personnel Title (as defined below)	Project Manager	Design Engineer	EIT III	Engineering Technician	CADD	Admin/Clerical		
	\$165.00	\$124.50	\$103.88	\$85.22	\$79.00	\$62.00		
Task to be performed/Phase Description (including Sub-consultant work)	Hours	Hours	Hours	Hours	Hours	Hours	Total Hours	Task Fee
<b>16.090.010 - Water Pollution Abatement Plan (Extended Project Limits)</b>								
<b>General Services</b>	0	6	6	1	0	6	19	\$1,827.50
Coordination with TCEQ		2	2				4	\$456.76
Prepare and compile WPAP report for preliminary submittal to TCEQ		2	4	1		4	11	\$997.74
Respond to comments and submit final WPAP report to TCEQ		2				2	4	\$373.00
<b>General Information Form (TCEQ-0587)</b>	0	3	4	6	0	0	13	\$1,300.34
Prepare Road Map Exhibit		1	1	2			4	\$398.82
Prepare USGS/ERZ Map		1	2	4			7	\$673.14
Prepare project description and document proposed improvements		1	1				2	\$228.38
<b>Geologic Site Assessment Coordination</b>	0	5	2	0	0	2	9	\$954.26
Coordinate with Geologist		2					2	\$249.00
Conduct site assessment with Geologist		1					1	\$124.50
Review Site Assessment report and provide comments		2					2	\$249.00
Compile Site Assessment report and prepare documents for TCEQ			2			2	4	\$331.76
<b>Water Pollution Abatement Plan Form and Attachments</b>	0	7	12	6	0	4	29	\$2,877.38
Research and determine existing and potential factors affecting water quality		1					1	\$124.50
Develop pre and post-development storm water quality volume calculations		2					2	\$249.00
Determine storm water treatment facility and prepare a suitability letter		1	6			2	9	\$871.78
Prepare a letter indicating a Geologic Assessment will be required		1				2	3	\$248.50
Develop an overall Site Plan to include the existing and proposed features, sequence of major activities, impervious acreage and calculations, proposed water quality features, and general construction notes		2	6	6			14	\$1,383.60
<b>Temporary Storm Water (TCEQ-0602)</b>	0	12	18	2	0	0	32	\$3,534.28
Complete the Temporary Storm Water Section form		1					1	\$124.50
Develop and document the spill response actions for the site. This will describe measures to reduce the discharge of pollutants to drainage systems or watercourses		1	2				3	\$332.26
Research and determine potential sources of pollutants during construction		1	3				4	\$436.14
Develop the sequence of major activities to include the construction of temporary and permanent BMP's		1	2				3	\$332.26
Develop and document the Temporary Best Management Practices and Measures		1	2				3	\$332.26
Coordinate with the storm water designer to determine existing and proposed runoff calculations.		1	2				3	\$332.26
Determine if Temporary Sediment ponds are required		1	2				3	\$332.26
Develop and document inspection and maintenance procedures for Temporary BMP's		2	2				4	\$456.76
Develop and document a schedule of interim and permanent soil stabilization procedures		2	2				4	\$456.76
Coordinate and assist Prime with developing the temporary storm water pollution prevention layouts and details		1	1	2			4	\$398.82

<b>Permanent Storm Water Section (TCEQ-0600)</b>	<b>2</b>	<b>35</b>	<b>46</b>	<b>32</b>	<b>32</b>	<b>0</b>	<b>147</b>	<b>\$14,721.02</b>
Complete Permanent Storm Water Section Form		1					1	\$124.50
Complete Impervious Cover Waiver Attachment		1					1	\$124.50
Determine upgradient storm water and required bmps and prepare statement		1	2				3	\$332.26
Prepare statement/attachment identifying BMP's for on-site storm water		1					1	\$124.50
Prepare statement/attachment identifying BMP's for surface streams		1					1	\$124.50
Prepare statement/attachment for request to seal existing features		1					1	\$124.50
Prepare statement/attachment explaining the construction plans for the structural BMP's		1	4				5	\$540.02
Prepare statement/attachment documenting the installation, maintenance, and repair of permanent BMP's		1					1	\$124.50
Prepare statement/attachment documenting the Pilot-scale field testing plan		1					1	\$124.50
Prepare statement/attachment documenting measures for minimizing surface stream contamination		1					1	\$124.50
Design and develop the construction plans for the permanent BMP's		12	32	32	32		108	\$10,073.20
Develop the signed and sealed engineering calculations for the permanent BMP's		8	8				16	\$1,827.04
Prepare Agent Authorization form		1					1	\$124.50
Prepare Core Data Form		1					1	\$124.50
Prepare WPAP application form		1					1	\$124.50
WPAP QAQC	2	2					4	\$579.00
Total Hours:	2	68	88	47	32	12	249	
Total Fee Proposal (Not to Exceed):	\$330.00	\$8,466.00	\$9,141.44	\$4,005.34	\$2,528.00	\$744.00		\$25,214.78
<b>DIRECT EXPENSES/ALLOWANCES</b>								\$2,500.00
Geological Assessment								\$2,500.00
<b>Total</b>								<b>\$27,714.78</b>

**City of San Antonio - Public Works Department**

Design Guidance Manual

**PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN**

Project: **Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)**  
 Prime Consultant: **Legacy Engineering**  
 Subconsultant: **CPY/STV**  
 Proposal Date: **2/20/2024**  
 Prepared By: **Luis Cuellar, PE**

	Principal \$245.00	Project Manager \$205.00	Project Engineer \$155.00	EIT III \$110.00	Eng Tech III \$139.00	Admin \$90.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
<b>70% Design (Extended Project Limits)</b>	<b>0</b>	<b>6</b>	<b>20</b>	<b>16</b>	<b>44</b>	<b>0</b>	<b>86</b>	<b>\$12,206.00</b>
09. Other Plans								
09.060. SW3P Plan								
09.060.010. SW3P Narrative		2	4		4		10	\$1,586.00
09.060.020. SW3P Layouts		4	16	16	40		76	\$10,620.00
<b>95% Design (Extended Project Limits)</b>	<b>0</b>	<b>4</b>	<b>10</b>	<b>16</b>	<b>20</b>	<b>0</b>	<b>50</b>	<b>\$6,910.00</b>
09. Other Plans								
09.060. SW3P Plan								
09.060.010. SW3P Narrative		2	2		4		8	\$1,276.00
09.060.020. SW3P Layouts		2	8	16	16		42	\$5,634.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>0</b>	<b>10</b>	<b>30</b>	<b>32</b>	<b>64</b>	<b>0</b>	<b>136</b>	<b>\$19,116.00</b>

## City of San Antonio - Public Works Department

Design Guidance Manual

### PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: **Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)**  
 Prime Consultant: **Legacy Engineering Group**  
 Subconsultant: **Garver, LLC**  
 Proposal Date: **2/20/2024**  
 Prepared By: **A. Schroller**

	Support Manager \$294.00	Quality Manager \$294.00	Senior Engineer \$239.00	Project Engineer \$196.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
<b>70% Design (Extended Project Limits)</b>	<b>1</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>21</b>	<b>\$ 5,122.00</b>
01. Project Management and General Items						
01.070. consultants management, document management, PRIMELink)	1				1	\$ 294.00
01.080. QA/QC (processes, communication, and deliverables)		4	8	4	16	\$ 3,872.00
01.081. Constructability Review			4		4	\$ 956.00
<b>95% Design (Extended Project Limits)</b>	<b>1</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>21</b>	<b>\$ 5,122.00</b>
01. Project Management and General Items						
01.070. consultants management, document management, PRIMELink)	1				1	\$ 294.00
01.080. QA/QC (processes, communication, and deliverables)		4	8	4	16	\$ 3,872.00
01.081. Constructability Review			4		4	\$ 956.00
<b>Bid Phase (Extended Project Limits)</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>4</b>	<b>\$ 1,011.00</b>
12. Bid Phase						
12.040. QA/QC		1	1		2	\$ 533.00
12.041. Finalize Constructability Issues			2		2	\$ 478.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>2</b>	<b>9</b>	<b>27</b>	<b>8</b>	<b>46</b>	<b>\$ 11,255.00</b>



City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project:

Prime Consultant:

Subconsultant:

Proposal Date:

Prepared By:

Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)

Legacy Engineering Group

Rock Engineering and Testing Lab, LLC

2/20/2024

Kyle Hammock, P.E.

	Principal/ Partner	Project Manager	Senior Engineer	Design Engineer	Engineering Tech	Admin/Clerical	Geologist		
	\$225.00	\$185.00	\$175.00	\$150.00	\$85.00	\$60.00	\$100.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
<b>70% Design (Extended Project Limits)</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>2</b>	<b>43</b>	<b>\$ 5,970.00</b>
06.010 Project Set Up		1						1	\$ 185.00
Utility Coordination and Boring Layout		1			3			4	\$ 440.00
Field Exploration, Drilling and Sampling				2	7			9	\$ 895.00
Boring Logs		1				1	2	4	\$ 445.00
Pavement Design based on CoSA Requirements			4	2				6	\$ 1,000.00
Meetings	1		2	2				5	\$ 875.00
Draft Report		2	4			2		8	\$ 1,190.00
Review/Edits	1	1						2	\$ 410.00
Final Review/Sign	1	1						2	\$ 410.00
Deliverables						2		2	\$ 120.00
<b>Direct Expenses (see itemization)</b>									<b>\$4,925.00</b>
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>3</b>	<b>7</b>	<b>10</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>2</b>	<b>43</b>	<b>\$10,895.00</b>

Direct Expenses	Quantity	Unit	Rate	Total
Mobilization (LS) for Personnel & Equipment	1	ls	\$350.00	\$350.00
Soil Drilling - borings < 50 ft	30	foot	\$20.00	\$600.00
Soil Drilling - borings 50 to 100 ft	0	foot	\$25.00	\$0.00
Rock Coring - borings < 50 ft	0	foot	\$26.00	\$0.00
Rock Coring - borings 50 to 100 ft	0	foot	\$32.00	\$0.00
Pavement Core	4	each	\$250.00	\$1,000.00
Bentonite Hole Plug	0	foot	\$8.00	\$0.00
CoSA Road-Cut Permit Bond	1	each	\$400.00	\$400.00
Backfill and Patch Street Borings	4	ls	\$75.00	\$300.00
Traffic Control - Flagger and Signage Only	0	day	\$500.00	\$0.00
Traffic Control - Lane Closure	1	day	\$1,500.00	\$1,500.00
Determination of Moisture Content in Soil Materials	15	test	\$10.00	\$150.00
Atterberg Limits	5	test	\$75.00	\$375.00
Percent Soil Finer than No. 200 sieve	5	test	\$50.00	\$250.00
Sieve Analysis	0	test	\$125.00	\$0.00
Hydrometer	0	test	\$195.00	\$0.00
Determination of Sulfate Content in Soils	0	test	\$40.00	\$0.00
One Dimensional Swell Test	0	test	\$125.00	\$0.00
U-U Triaxial Compression Test	0	test	\$110.00	\$0.00
Unconfined Compression Test	0	test	\$60.00	\$0.00
Lime Series	0	test	\$425.00	\$0.00
CBR	0	test	\$550.00	\$0.00
<b>Sub-Total Direct Expenses</b>				<b>\$4,925.00</b>

City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)  
 Prime Consultant: Legacy Engineering Group  
 Subconsultant: Poznecki-Camarillo, LLC  
 Proposal Date: 2/20/2024  
 Prepared By: Fernando Camarillo, PE

	Principal/ Partner \$315.00	Project Manager \$225.00	Engineer II \$178.00	Engineer I \$150.00	EIT II \$120.00	CADD/ Technician II \$120.00	Project Admin \$65.00		
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	TASK HOURS	TASK / PHASE FEE
<b>70% Design (Extended Project Limits)</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>1</b>	<b>10</b>	<b>5</b>	<b>1</b>	<b>27</b>	<b>\$ 3,983.00</b>
01. Project Management and General Items									
01.030. Design Review Meetings (70%)		1	1					2	\$ 403.00
Project Administration (includes but not limited to invoicing, sub consultants management, document									
01.070. management, PRIMELink)		1					1	2	\$ 290.00
01.080. QA/QC (processes, communication, and deliverables)		1						1	\$ 225.00
09. Other Plans									
09.070. Tree Preservation / Mitigation Plan		1	1		6	4		12	\$ 1,603.00
09.080. Details and Specifications									
09.080.010. Special Details			1		1	1		3	\$ 418.00
09.080.020. List of Governing Specifications			1		1			2	\$ 298.00
09.080.030. Special Provisions			1		1			2	\$ 298.00
09.080.040. Special Specifications			1		1			2	\$ 298.00
11. Cost Estimating									
11.010. 70% Plans Cost Estimate				1				1	\$ 150.00
<b>95% Design (Extended Project Limits)</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>3</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>21</b>	<b>\$ 3,395.00</b>
01. Project Management and General Items									
01.030. Design Review Meetings (95%)		1		1				2	\$ 375.00
Project Administration (includes but not limited to invoicing, sub consultants management, document									
01.070. management, PRIMELink)		1					1	2	\$ 290.00
01.080. QA/QC (processes, communication, and deliverables)		1						1	\$ 225.00
09. Other Plans									
09.070. Tree Preservation / Mitigation Plan		1		1	2	2		6	\$ 855.00
09.080. Details and Specifications									
09.080.010. Special Details		1			1	1		3	\$ 465.00
09.080.020. List of Governing Specifications		1			1			2	\$ 345.00
09.080.030. Special Provisions		1			1			2	\$ 345.00
09.080.040. Special Specifications		1			1			2	\$ 345.00
11. Cost Estimating									
11.010. 95% Plans Cost Estimate				1				1	\$ 150.00
<b>BID PHASE</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>\$ 853.00</b>
12. Bid Phase									
12.010. Submit 100% Plans With All Joint-Bid Utilities	1		1		2	1		5	\$ 853.00
<b>TOTAL BASE FEE WITH HOUR BREAKDOWN</b>	<b>1</b>	<b>12</b>	<b>7</b>	<b>4</b>	<b>18</b>	<b>9</b>	<b>2</b>	<b>53</b>	<b>\$ 8,231.00</b>

City of San Antonio - Public Works Department

Design Guidance Manual

PROJECT WORK PLAN AND FEE PROPOSAL BREAKDOWN

Project: Babcock Road Phase I Project (Hausman Rd to UTSA Blvd)  
 Prime Consultant: Legacy Engineering Group  
 Subconsultant: Halff Associates, Inc.  
 Proposal Date: 2/20/2024  
 Prepared By: Chris Villar, PE

	Project Manager \$215.00	Construction Manager \$186.00	Task Lead / Engineer IV \$180.00	GISP \$144.00	RPLS \$175.00	Survey Tech \$105.00	SUE/Survey Crew 2-Man \$180.00	SUE Manager \$150.00	SUE Level B Crew \$185.00	Designating 1-Man Crew \$100.00	Clerical/Admin \$95.00	SUE Level A Potholes \$2,600.00	
TASK CODE AND DESCRIPTION	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	HOURS	Each	TASK / PHASE FEE
16.050.010 - SUE (Extended Project Limits)													
70% Design	1	2	20	20	1	0	24	0	60	0	0	10	\$48,662.00
Additional Services													
16.050.010 - SUE QL_B	1	2	20	20	1		24		60				\$22,662.00
16.050.010 - SUE QL_A												10	\$26,000.00
Total Fee Proposal (Not to Exceed):	\$215.00	\$372.00	\$3,600.00	\$2,880.00	\$175.00	\$0.00	\$4,320.00	\$0.00	\$11,100.00	\$0.00	\$0.00	\$26,000.00	\$48,662.00



2002 N. Saint Mary's St.  
San Antonio, TX 78212  
210.733.3535

January 10, 2024

Oscar M. Garza, PE, PTOE, RSP  
President/CEO  
Legacy Engineering Group  
7800 W. Interstate 10, Suite 830  
San Antonio, TX 78230

Re: Additional Services Request No. 01 – Lighting Revisions  
COSA Civil Bond – Babcock Rd (Ldscp)

**OSCAR**, our team was asked to redesign the lighting from bollard lighting to pole-mounted LED lighting. This revision created additional scope for us and our MEP consultant, Alderson. This work is in addition to our basic services agreement and compensation for the work will be as follows:

RVK	\$960
Alderson	\$3,240

Therefore, we request approval in the amount of **Four Thousand Two Hundred Dollars (\$4,200)**. We have included a fee matrix for the corresponding fee along with detailed description of lighting changes.

If this meets with your approval, please sign below and return a copy to RVK for our files. Thank you for your consideration.

Approval:

Jason E. Puchot, AIA, ACHA, EDAC, LEED AP  
Senior Vice President, Architecture

-----  
Oscar M. Garza, PE, PTOE, RSP  
President/CEO

Joseph S. Cannata, ASLA  
Landscape Architect | Senior Associate

The Texas Board of Architectural Examiners has jurisdiction over complaints regarding the professional practices of persons registered as Architects, persons registered as landscape architects, and persons registered as registered interior designers in Texas. Complaints should be addressed to: Texas Board of Architectural Examiners, P. O. Box 12337, Austin, TX 78711-2337 - Telephone: (512) 305-9000, Fax: (512) 305-8900, <http://www.tbae.state.tx.us>

Irrigation in Texas is regulated by the Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087.

sb  
Z:\2022\22131A - COSA Civil Bond - Babcock Rd (Ldsp)\contracts\additional services\ASR.01 Lighting Revisions\22131A.ASR 01 Lighting Revisions.docx



## Extra Service 01 Babcock Road Trailhead Lighting

January 3, 2024

Joe Cannata, Senior Associate  
RVK Architecture  
2002 N. Saint Mary's St.  
San Antonio, TX 78212

Re: **Babcock Road Trailhead Lighting**  
**AAI Project Number: 23-046**  
**AAI Project Manager: Todd Sparrow, PE**

### SCOPE OF EXTRA SERVICES

- Provide re-design for pole-mounted LED lighting to be used along trail in lieu of bollard lighting.
  - Revised photometric study to determine new lighting fixture selection and new lighting fixture layout.
  - Revised plan components to reflect new design (circuitry, schedules, details, etc.)
  - Revised Specifications.

### COST FOR EXTRA SERVICES

- ☐ Hourly per Attached Rate Schedule  
☐ Hourly per Attached Rate Schedule, not to exceed \$\_\_\_\_\_.  
☒ Lump Sum of **\$3,250.00.**  
☐ Other \_\_\_\_\_

Please authorize our proceeding with the Extra Services Authorization itemized above by signing and returning a copy of this form to our office.

ALDERSON & ASSOCIATES, INC.

RVK ARCHITECTURE

Authorized Signature

Authorized Signature

Linda G. Alderson  
Printed Name, Title

Printed Name, Title

January 2, 2024  
Date

Date



Fee/Price Proposal Breakdown for Professional Services

Project Name:	COSA Babcock Rd
Project Number	22131.A
Date Proposal Submitted:	01.09.2024
Principal in Charge	HJW

Position/Personnel Title	Principal Landscape Architecture RVK Architecture	Project Engineer II Alderson & Assoc.	Landscape Architect RVK Architecture	EIT Alderson & Assoc.	Drafting/Technical Support Staff RVK Architecture	Administration Support Staff RVK Architecture	Admin / Clerical Alderson & Assoc.	
Fully-Loaded Hourly Wage Rates <small>* (as defined below)</small>	\$210	\$165	\$130	\$110	\$100	\$100	\$80	
Task to be performed/Phase Description	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Total Hours
40% Design								0
Design Progress Review Meetings								0
QA/QC								0
Illumination Plans								0
40% Cost Estimate								0
Electrical Design								
Electrical Coord. With CPS for service								0
Electrical design of new lighting at trailhead		4	2	22	6	1	2	37
Specifications								0
Meetings								0
Site visit								0
70% Design								
QA/QC								0
Special Review Coordination								0
Cost Estimate								0
Attend Public Meeting with Exhibits								0
95% Design								
Design Review Meeting								0
QA/QC								0
Special Review Coordination								0
Cost Estimate								0
Bid Phase								
Submit 100% Plans								0

Participate in 100% Review Meeting								0
Construction Phase								
Review Shop Drawings								0
Respond to RFI's								0
Project Site Visits and Reports								0
Participate in One-Year Warranty Inspection								0
RFI during bidding								0
Submittal Review								0
Project Meetings								0
Construction Reviews								0
Final Punch								0
As Builts								0
<b>Total Hours:</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>22</b>	<b>6</b>	<b>1</b>	<b>2</b>	<b>37</b>
<b>Total Fee Proposal (Not to Exceed):</b>	<b>\$0</b>	<b>\$660</b>	<b>\$260</b>	<b>\$2,420</b>	<b>\$600</b>	<b>\$100</b>	<b>\$160</b>	<b>\$4,200</b>

\* A fully-loaded Hourly Wage Rate is defined as an employee's base hourly rate plus labor overhead (including fringe benefits), general and administrative (indirect) expenses, profit and escalation (if applicable).