

# FEE PROPOSAL

## Lambert Road Corridor Project

### Regional Traffic Signal Synchronization Program (RTSSP)

February 8, 2021





February 8, 2021

Mr. Michael Plotnik  
Traffic Manager  
City of La Habra  
110 E. La Habra Boulevard  
La Habra, California 90631

**RE: Fee Proposal for Professional Traffic Engineering Services for the Lambert Road Corridor Regional Traffic Signal Synchronization Program Project**

Dear Mr. Plotnik:

AGA is pleased to present our fee proposal to the City of La Habra to provide Professional Traffic Engineering Services for the Lambert Road Corridor Regional Traffic Signal Synchronization Program (RTSSP) Project. The fee proposal organization and format provided is in accordance with the requirements set forth in the RFP. AGA is submitting both "Technical Proposal" and "Fee Proposal" concurrently in electronic file format via Cloud Storage.

Attached are the following:

- Fee Schedule – includes hourly breakdown, sub-consultant/vendor and other direct cost per task with a "not-to-exceed" or "Lump Sum" total project fee.
- Fee Schedule for Optional Tasks
- Fee Proposal Exhibit
- Hourly Fee Schedule

AGA Engineers, Inc. does not have any existing or potential conflicts of interest, i.e. other project or commitments which could impair or undermine our firm's ability or credibility regarding the proposed services in the RFP. As a team, we are truly excited about the opportunity to work for the City on this important project.

This fee proposal will remain valid for a period of not less than 90 days from the date of this submittal.

Respectfully submitted,

AGA Engineers, Inc.

A handwritten signature in blue ink, appearing to read "Chalap K. Sadam".

**Chalap K. Sadam, P.E., T.E.**  
*President*

AGA Engineers, Inc.\Proposals\La Habra\Fee Proposal\Lambert Fee Proposal Letter.docx

**AGA Engineers, Inc.**

211 Imperial Highway, Suite 208, Fullerton, CA 92835  
(714) 992-4592 Email: [aga@agaengineersinc.com](mailto:aga@agaengineersinc.com)

**City of La Habra  
Lambert Road  
REGIONAL TRAFFIC SIGNAL SYNCHRONIZATION PROGRAM  
FEE PROPOSAL BREAKDOWN SHEET (Rev 2/8/2021)**

AGA Engineers, Inc.

Item	Description	AGA Cost	Construction & Contingency Costs <sup>1</sup>	Total
NO. 1	All labor, services, materials and equipment to complete the Primary Implementation as described in Task I for the City of La Habra	\$ 184,786.20	\$658,600.00	\$ 843,386.20
NO. 2	All labor, services, materials and equipment to complete the Primary Implementation as described in Task I for the City of Brea	\$ 328,508.80	\$822,975.80	\$1,151,484.60
NO. 3	All labor, services, materials and equipment to complete the Primary Implementation as described in Task I for Caltrans		\$10,000.00	\$ 10,000.00
NO. 4	Task II - O&M <sup>2</sup>	\$75,000.00		\$75,000.00
<b>TOTAL (ITEM NO's. 1,2,3 &amp; 4)</b>		<b>\$588,295.00</b>	<b>\$1,491,575.80</b>	<b>\$ 2,079,870.80</b>
NO. 5	Optional Items	AGA Cost	Materials & Equipment <sup>3</sup>	Total
No. 5-1	Adaptive Control Application for City of Brea - Intersections west of State College Blvd	\$19,894.00	\$190,966.20	\$210,860.20
No. 5-2	"Y-Coord" between State College Blvd and SR-57 Interchange Ramps for City of Brea	\$18,970.00		\$18,970.00
No. 5-3	Prepare Traffic Signal Modification Plan - Lambert Rd/Cliffwood Ave	\$12,488.00		\$12,488.00
No. 5-4	Special School Area Signal Timing Plans - City of La Habra	\$11,989.00		\$11,989.00
No. 5-5	Conduct Safety Review of Lambert Rd/Berry St Intersection	\$6,789.00		\$6,789.00
<b>TOTAL ITEM NO. 5</b>		<b>\$70,130.00</b>	<b>\$190,966.20</b>	<b>\$261,096.20</b>
<b>GRAND TOTAL (ITEM NOs 1-5)</b>		<b>\$658,425.00</b>	<b>\$1,682,542.00</b>	<b>\$2,340,967.00</b>

<sup>1</sup> Associated costs are per the RFP.

<sup>2</sup> Includes ATSPM Configuration.

<sup>3</sup> Adaptive Control Application Materials & Equipment Cost = Total Grant Funding - [Engineering (Base & Optional Items) and Construction Costs]

**Fee Schedule - Hours and Cost Per Task (Rev 2/8/21)**

**City of La Habra  
Lambert Road RTSSP  
AGA Engineers, Inc.**

Hourly Rate	Chalap Sadam Project Manager President	Roland Hizon QA/QC Manager Sr. Project Engineer	Greg Wong Vice President	Ignacio Sanchez Sr. Transp Engineer	Ruben Perales Sr. Design Engineer	Natali Eid Esparza Sr. Proj. Development Manager	Leo Grimes Sr. Signal System Specialist	Phillip Fuentes Signal System Specialist	Andrew Luna Asst Trans Eng I	Jessica Espinoza Asst Trans Eng I	Elias Sanchez Assist. Transp Engineer	Pauline Bingham Engineering Aide II	LLG*	Aim TD	TOTAL Hour/Cost
		\$234	\$163	\$200	\$186	\$170	\$170	\$140	\$137	\$116	\$116	\$83	\$71		
<b>Task I - Primary Implementation (PI)</b>															
<b>Project Administration</b>	60	50	30	20	20	36									<b>216 / \$41,430</b>
	\$14,040	\$8,150	\$6,000	\$3,720	\$3,400	\$6,120									
<b>Task I-A Develop &amp; Implementation of Optimized Signal Synchronization Timing</b>															
Data Collection (including Prime Expenses-Counts)	4	4	4						30	20	20	17		\$10,000	<b>99 / \$21,055</b>
	\$936	\$652	\$800						\$3,480	\$2,320	\$1,660	\$1,207			
Field Review	4	4	8	4	4	4	16	16	16	16	16		\$2,064		<b>108 / \$16,828</b>
	\$936	\$652	\$1,600	\$744	\$680	\$680	\$2,240	\$2,192	\$1,856	\$1,856	\$1,328				
Signal Timing Optimization & Implementation	28	16	80			60	40	40	100	40	40	33	\$8,866		<b>477 / \$77,209</b>
	\$6,552	\$2,608	\$16,000			\$10,200	\$5,600	\$5,480	\$11,600	\$4,640	\$3,320	\$2,343			
<b>Task I-B "Before" and "After" Study</b>															
Corridor "Before" Study	4		20						30	20	40	36			<b>150 / \$16,612</b>
	\$936		\$4,000						\$3,480	\$2,320	\$3,320	\$2,556			
Corridor "After" Study	4	4	8	4	4	4	16	16	38	40	32	30			<b>200 / \$23,558</b>
	\$936	\$652	\$1,600	\$744	\$680	\$680	\$2,240	\$2,192	\$4,408	\$4,640	\$2,656	\$2,130			
<b>Task I-C Proposed Signal Timing Related System Improvements (PS&amp;E)</b>	40	20	30	100	90	40	60	60	70	120	120	76	\$23,515		<b>826 / \$136,851</b>
	\$9,360	\$3,260	\$6,000	\$18,600	\$15,300	\$6,800	\$8,400	\$8,220	\$8,120	\$13,920	\$9,960	\$5,396			
<b>Task I-D System Integration and Construction Management</b>															
System Integration	30	20		40	40		30	30		20	20	20	\$28,690		<b>250 / \$66,920</b>
	\$7,020	\$3,260		\$7,440	\$6,800		\$4,200	\$4,110		\$2,320	\$1,660	\$1,420			
Construction Management	24	40		80	90	30	80	80	60	60	40	32			<b>544 / \$89,088</b>
	\$5,616	\$6,520		\$14,880	\$15,300	\$5,100	\$11,200	\$10,960	\$6,960	\$6,960	\$3,320	\$2,272			
Prepare Final Report	10	40	12			40			20		20	24			<b>166 / \$23,744</b>
	\$2,340	\$6,520	\$2,400			\$6,800			\$2,320		\$1,660	\$1,704			
<b>Task II - Ongoing Operations and Maintenance (O&amp;M)</b>															
<b>Task II-A Monitoring &amp; Improvement of Optimized Signal Timing (24 Months)</b>	20	20	29	26		20	62	48	60	39	38	30			<b>392 / \$54,000</b>
	\$4,680	\$3,260	\$5,800	\$4,836		\$3,400	\$8,680	\$6,576	\$6,960	\$4,524	\$3,154	\$2,130			
<b>Task II-B Communication &amp; Detection System Maintenance &amp; Repair (24 Months)</b>	10	8			8		19	18		24	22	10	\$5,550		<b>119 / \$21,000</b>
	\$2,340	\$1,304			\$1,360		\$2,660	\$2,466		\$2,784	\$1,826	\$710			
<b>Task II-C On-Going Operations &amp; Maintenance (O&amp;M) Report (cost included in Task II-A and II-B)</b>															
<b>TOTALS (Hours/Cost)</b>	<b>214/\$50,076</b>	<b>186/\$30,318</b>	<b>221/\$44,200</b>	<b>194/\$36,084</b>	<b>166/\$28,220</b>	<b>204/\$34,680</b>	<b>243/\$34,020</b>	<b>228/\$31,236</b>	<b>364/\$42,224</b>	<b>339/\$39,324</b>	<b>368/\$30,544</b>	<b>276/\$19,596</b>	<b>\$68,685</b>	<b>\$10,000</b>	<b>3,547 / \$588,295</b>

\* See attached spreadsheet for breakdown of LLG hours and labor rates.

**LINSCOTT, LAW & GREENSPAN, ENGINEERS**  
**COST ESTIMATE - February 2020 FEE SCHEDULE**

JOB . Lambert RTSSP Proposal

JOB DESCRIPTION: Lambert RTSSP Proposal

01-Feb-21

HOURS													HOURS	COST
TASK	PRIN	Associate Principal	Senior Traffic Engineer	Senior Signal Systems Specialist	TEII	TEI	SR TP	TPIII	EAI	SR CAD	Engineering Technician I	WP	PER TASK	PER TASK
3 PS&E		5	90	15							20		130	\$23,515
5 Field Review and Signal Timing Implementation		5		34							40		79	\$10,930
7 System Integration		5		130							40		175	\$28,690
9 O&M				30									30	\$5,550
													0	\$0
													0	\$0
													0	\$0
													0	\$0
													0	\$0
													0	\$0
													0	\$0
													0	\$0
													0	\$0
													0	\$0
<b>TOTAL HOURS</b>	0	15	90	209	0	0	0	0	0	0	100	0	<b>414</b>	
<b>BILLING RATE</b>	\$268	\$240	\$198	\$185	\$148	\$127	\$175	\$148	\$126	\$122	\$86	\$80		
<b>TOTAL BUDGET</b>	<b>\$0</b>	<b>\$3,600</b>	<b>\$17,820</b>	<b>\$38,665</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,600</b>	<b>\$0</b>		<b>\$68,685</b>
<b>REIMBURSABLES</b>														
AMOUNT	DESCRIPTION												COST	
	Blueprints/Graphics												\$0	
	Auto Reimbursement (@ 0.575/mile)												\$0	
	Parking												\$0	
	Photo/Video												\$0	
													\$0	
<b>TOTAL REIMBURSABLES</b>													<b>\$0</b>	
<b>SUBCONSULTANTS</b>														
TASK	NAME						DESCRIPTION						COST	
													\$0	
													\$0	
<b>TOTAL BUDGET</b>													<b>\$68,685</b>	

**OPTIONAL TASKS - Fee Schedule - Hours and Cost Per Task (Rev 2/8/21)**

**City of La Habra  
Lambert Road RTSSP - Optional Tasks  
AGA Engineers, Inc.**

Optional Task	Hourly Rate	Chalap Sadam	Roland Hizon	Greg Wong	Ignacio Sanchez	Ruben Perales	Natali Eid Esparza	Leo Grimes	Phillip Fuentes	Andrew Luna	Jessica Espinoza	Elias Sanchez	Pauline Bingham	TOTAL Hour/Cost
		Project Manager President	QA/QC Manager Sr. Project Engineer	Vice President	Sr. Transp Engineer	Sr. Design Engineer	Sr. Proj. Development Manager	Sr. Signal System Specialist	Signal System Specialist	Assc Trans Eng I	Assc Trans Eng I	Assist. Transp Engineer	Engineering Aide II	
<b>Task III - Optional Tasks</b>														
Task 1	Adaptive Control Application for City of Brea - Intersections west of State College Blvd	8 \$1,864	8 \$1,304	24 \$4,800		12 \$2,040		16 \$2,240	16 \$2,192	24 \$2,784	13 \$1,508	14 \$1,162		<b>135 / \$19,894</b>
Task 2	"Y-Coord" between State College Blvd and SR-57 Interchange Ramps for City of Brea	4 \$932		16 \$3,200	4 \$744	16 \$2,720		32 \$4,480	30 \$4,110	24 \$2,784				<b>126 / \$18,970</b>
Task 3	Prepare Traffic Signal Modification Plan - Lambert Rd/Cliffwood Ave	4 \$932	4 \$652		12 \$2,232	12 \$2,040				18 \$2,088	22 \$2,552	24 \$1,992		<b>96 / \$12,488</b>
Task 4	Special School Area Signal Timing Plans - City of La Habra	2 \$466	2 \$326	8 \$1,600				19 \$2,660	13 \$1,781	21 \$2,436	12 \$1,392	16 \$1,328		<b>93 / \$11,989</b>
Task 5	Conduct Safety Review of Lambert Rd/Berry St Intersection	4 \$932	4 \$652	4 \$800	4 \$744		4 \$680			12 \$1,392	4 \$464	5 \$415	10 \$710	<b>51 / \$6,789</b>
<b>TOTALS (Hours/Cost)</b>		<b>22/\$5,126</b>	<b>18/\$2,934</b>	<b>52/\$10,400</b>	<b>20/\$3,720</b>	<b>40/\$6,800</b>	<b>4/\$680</b>	<b>67/\$9,380</b>	<b>59/\$8,083</b>	<b>99/\$11,484</b>	<b>52/\$6,032</b>	<b>45/\$3,735</b>	<b>10/\$710</b>	<b>501 / \$70,130</b>



## Hourly Fee Schedule

President	\$	234
Vice President	\$	200
Principal Transportation Engineer	\$	193
Senior Transportation Engineer	\$	186
Senior Design Engineer/Senior Project Development Manager	\$	170
Advanced System Integrator	\$	163 to 167
Senior Associate/Senior Project Engineer	\$	163
Transportation Engineer/System Integrator	\$	141 to 154
Design Engineer	\$	141
Senior Signal Systems Specialist/Construction Inspector	\$	140
Signal Systems Specialist	\$	137
Associate Transportation Engineer III	\$	135
Associate Transportation Engineer II	\$	119 to 128
Associate Transportation Engineer I	\$	109 to 116
Project Coordinator/Project Administrator	\$	96 to 106
Associate Engineer II	\$	96 to 103
Assistant Engineer	\$	93
CADD Operator/Associate Engineer I/Assistant Project Coordinator	\$	87
Transportation Engineering Assistant	\$	77 to 83
Traffic Enumerator, Engineering Aide II	\$	71
Engineering Aide I	\$	58 to 64
Engineering Intern	\$	48 to 51

### **AGA Engineers, Inc.**

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