

City of Emeryville Signal Timing

City of Emeryville – Public Works

Emeryville, CA

EXHIBIT A-1

ITEM #	Item Description	Unit	Qty	Total
1	Video Detection Adjustments	LS	1	\$24,572
	<p>Scope: Econolite Systems quote includes pricing to supply the following items.</p> <ul style="list-style-type: none"> 40th @ Adeline: Relocate the EB and WB video detection cameras from the luminaire arms to the mast arms and reconfigure detection zones for all cameras per SPM detection layout. 40th @ Harlan: Relocate the EB and WB video detection cameras from the luminaire arms to the mast arms and reconfigure detection zones for all cameras per SPM detection layout. Shellmount @ IKEA Entrance, IKEA Exist, Bay St Garage and Ohlone intersections: Re-aim NB and SB cameras for each of these locations to allow for advanced detection and program all cameras per SPM detection layout. Powell @ Beaudry: Pull new DLC cable to the advanced detection pull boxes (EB and WB), separate advanced detection loops and re-splice to individual DLC cables. Reprogram video detection systems per the SPM detection layout at all remaining locations: 40th/Emery, 40th/Hollis, 40th/Horton, Christie/Shellmound St, Shellmount St/Shellmound Way, Christie/Shellmound Way, Powell/Christie, Powell, Hollis, Powell, Doyle Furnish and install SDLC cable from all Autoscope systems to new Cobalt controllers to allow for SPM detection programming <p>Assumptions:</p> <ul style="list-style-type: none"> Christie @ Powell St Plaza will have no changes done in this scope of work. Cobalt controllers are installed, operational, and has stable communication to the TMC. Video detection systems are installed, operational, and has stable communication to the TMC. Econolite Systems is not responsible for network changes done to the video detection systems or if communication issues arise. Includes a 10% contingency. 			

ITEM #	Item Description	Unit	Qty	Total
2	Signal Timing (Phase 1)	LS	1	\$64,157
	<p>Scope:</p> <p>Phase 1</p> <ul style="list-style-type: none"> Conduct field visits at the study intersections to determine the reasons for traffic signal controllers not transitioning and implementing the optimized timing plans under time-of-day plans. Troubleshoot to ensure traffic signal controllers go through transition and optimize timing plans. Confirm timing plans developed and implemented in the field are as per the MTC PASS deliverables and provide good progression along the study corridors. Determine if the offsets need to be fine-tuned to enhance the progression. <p>Deliverables:</p> <ul style="list-style-type: none"> Technical Memorandum summarizing work completed under this Phase <p>Assumptions:</p> <ul style="list-style-type: none"> Phase 1 will consist of 17 intersections from the City of Emeryville IDEA project list. Includes a 5% contingency 			

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ITEM #	Item Description	Unit	Qty	Total
3	Signal Timing (Phase 2)	LS	1	\$42,771
	<p>Scope: Phase 2</p> <ul style="list-style-type: none"> Develop bicycle and transit priority parameters and timings to be implemented at 17 intersections. Develop parameters for priority and submit to City staff for review and input. Develop the timings for priority and implement at intersections. Adjustment to timing plans will be conducted based on field observations to ensure that timing plans are working to achieve objective. <p>Deliverables:</p> <ul style="list-style-type: none"> Bicycle and Transit Priority Timing Plans, Implementation and Fine-Tuning <p>Assumptions:</p> <ul style="list-style-type: none"> Phase 2 requires Phase 1 to be completed. Includes a 5% contingency. Phase 2 will consist of 17 intersections from Phase 1. 			

ITEM #	Item Description	Unit	Qty	Total
4	Project Management	LS	1	\$14,842
	<p>Scope:</p> <ul style="list-style-type: none"> Provide a project schedule to ensure on-time deliverables, invoices, and progress reports to summarize project status. Establish bi-weekly project meetings via teleconference to keep City informed of project progress and upcoming activities. Develop consensus on the overall project approach and clarify areas of responsibilities for Econolite and City for the implementation. Identify implementation risks and propose mitigation factors. Fine-tune the Centracs Mobility site to integrate changes from Item #1-3. <p>Assumptions:</p> <ul style="list-style-type: none"> Fine-tuning will occur once Item #1,2, and 3 are complete and approved by City. The Econolite Team will participate in bi-weekly progress meetings via teleconference. Includes a 10% contingency. 			

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General Terms & Conditions

1. All prices quoted inclusive of freight.
2. Payment shall be in accordance with the mutually agreed upon contract.
3. Price quotation is valid for 60-days.

Special Conditions

1. Please examine explanation below each bid item carefully for inclusions and exclusions.

Quote Date: May 12, 2021

Quoted by: Christopher Flores
Manager, Project Delivery
cflores@econolite.com

Contact: (714) 408-8375