







May 20, 2024

Mr. Jeffrey J. Hitch, P.E.
City Engineer
City of Murrieta
1 Town Square
Murrieta, California 92562

SUBJECT: PROPOSAL FOR TRAFFIC ENGINEERING SERVICES FOR CAPITAL IMPROVEMENT PLAN PROJECTS FOR THE CITY OF MURRIETA, CALIFORNIA (JOB NUMBER 16750-F)

Dear Jeff:

Pursuant to your request, RICK is pleased to present a Scope of Services and associated Fee to provide professional engineering services for the subject project. This work consists of assisting the Engineering Department with providing traffic engineering services for the following Capital Improvement Plan (CIP) Projects, from July 1, 2023 through June 30, 2024:

-  Citywide Signal Modifications (CIP 13049)
-  Neighborhood Traffic Management Program (CIP 13050)
-  Traffic Signal Optimization/Congestion Management (CIP 13053)
-  Priority Traffic Signals (CIP 13054)

Thank you for the opportunity to provide these services. Should you have any questions regarding this proposal, please feel free to contact me at (619) 291-0707. Thank you for requesting RICK to provide these services.

Sincerely,

RICK



Brian R. Stephenson, P.E., T.E., P.T.O.E.
RCE No.69471
Associate Principal

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Enclosure

SCOPE OF WORK

Citywide Signal Modifications (CIP 13049)

Provide traffic engineering services related to Citywide Traffic Signal Modifications. Typical tasks include the following:

- Maintain the City's left-turn phasing warrant analysis and signalized intersections throughout the City, and determine future intersection needs for protected left-turn phasing.
- Identify locations for Closed Circuit Television (CCTV) installations. Typical tasks include preparing bid specifications and documents for the CCTV's installations, and assisting City Staff with advertising the project(s) and providing Project Management.
- Identify locations for installation of cabinet switches. The switches will bring multiple types of communication equipment back to the TMC, for monitoring of battery-back up and video detection, as well as the signal and CCTV camera.
- Identify locations for upgrades from multi-mode fiber to single mode fiber, and assist City Staff with advertising the project(s) and providing Project Management.

Neighborhood Traffic Management Program (CIP 13050)

Assist the Engineering Department with tasks related to the City's approved Neighborhood Traffic Management Program (NTMP). Typical duties include:

- Responding to resident requests for NTMP related issues.
- Investigating complaints related to traffic safety and recommending actions related to these requests.
- Managing the traffic counting subconsultants tasked with performing traffic volume counts, speed surveys, classification counts, and license plate surveys.
- Performing all way stop analysis.
- Performing signal warrant analysis.
- Preparing staff reports summarizing findings for Public Safety and Traffic Commission meetings.
- Attending Public Safety and Traffic Commission meetings.
- Attending neighborhood meetings.

Traffic Signal Optimization/Congestion Management (CIP 13053)

Provide traffic engineering services related to traffic signal timing at the City's signalized intersections. Typical tasks include the following:

- Perform optimized timing parameters for traffic signals that are operating in free mode utilizing the Synchro software, and implement the timing at the intersections via the City's Quicnet system from within the Traffic Management Center.
- Perform optimized corridor timing parameters for the City's Major and Arterial roadways utilizing the Synchro software, and implement the timing at the intersections via the City's Quicnet system from within the Traffic Management Center. This task will require coordination with Caltrans and the cities of Temecula and Menifee at locations that are shared between agencies.
- Assist the City's Traffic Signal Technician with troubleshooting timing issues at City intersections.
- Implement current California Manual on Uniform Traffic Control Devices (MUTCD) timing requirements at the City's signalized intersections.
- Manage the traffic counting subconsultants tasked with performing turning movement counts at signalized intersection locations and with daily segment counts along the City's roadway corridors.

Priority Traffic Signals (CIP 13054)

Assist the engineering department by maintaining the City's Traffic Signal Priority list. Typical tasks include the following:

- Responding to resident and staff requests for future traffic signalized locations.
- Performing traffic signal warrant analysis at locations that are anticipated to meet signalization warrants
- Maintaining a list and ranking of warranted traffic signal locations.

FEE

Our fee for the work to be performed for the Traffic Engineering Services for Capital Improvement Plan Projects would be based on a fixed fee in the amount of two hundred and twenty-six thousand two hundred and sixty dollars (\$226,260.00) and is summarized as follows:

▪ Citywide Signal Modifications (CIP 13049)	\$ 69,980.00
▪ Neighborhood Traffic Management Program (CIP 13050)	69,980.00
▪ Traffic Signal Optimization/Congestion Management (CIP 13053)	69,980.00
▪ Priority Traffic Signals (CIP 13054)	<u>16,320.00</u>
	Total: \$226,260.00

Any printing, title company fees, blueprinting and miscellaneous expenses are included within this agreement. Not included are any items not specifically referred to above.

Fees and expenses will be billed monthly as the work progresses and the net amount shall be due within thirty (30) days from the date of receipt of the invoice in the Client's office.