



June 7, 2023

Mr. Michael Vroman, PE
Parks and Public Works Department
Town of Los Gatos
41 Miles Avenue
Los Gatos, CA 95030

Proposal for Smart Signals Deployment Assistance

Dear Mr. Vroman;

W-Trans is pleased to present this revised proposal for on-call staff services to help complete the acceptance testing and the Los Gatos Smart Signals project. Tasks are expected to include preparing intersection detection diagrams; system performance testing; calibration of the bike app including coordination with Safe Routes to School and the school staff; assisting with providing remote signal connections; and other tasks as may be requested by the Town to ensure the overall project is delivered and functioning to meet the Town's expectations.

Tasks

1. **Intersection Detection Diagrams.** W-Trans will prepare drawings of signalized intersections outside the adaptive corridor as needed to assist Econolite with setting up these intersections. The format will match diagrams prepared for the adaptive corridor intersections.
2. **System Performance Testing.** W-Trans will oversee the Econolite/TJKM team with completing the System Requirements checklist and send a copy of the completed checklist to MTC.
3. **Remote Signal Connection Troubleshooting.** W-Trans will assist the Town in completing connection of the three remote signalized intersections at Los Gatos-Almaden Road/National Avenue, Blossom Hill Road/Union Avenue and N. Santa Cruz Avenue/Andrews Street. This may include coordination calls by W-Trans staff or working with Town's consultant Matt Wages with Iteris.
4. **Bike App Calibration.** Town staff worked closely with local school staff and the Safe Routes to Schools organization to define how the bike app equipment would be deployed to benefit Los Gatos students traveling along Los Gatos Boulevard to school. It was agreed that Town would invite these staff to assist with final system configuration, including refining the settings for how many bicyclists would define the minimum group size needed to turn on the bike priority system, and how many seconds of Early Green or Extended Green would be programmed. W-Trans will make coordination calls to the participating staff and set up the next System Configuration test.
5. **Signal Coordination Plan.** W-Trans will obtain available turning movement counts from the Town and prepare a.m. and p.m. peak hour traffic signal coordination plans to serve as the "seed file" for Edaptive coordination for the four signalized intersections between Los Gatos Boulevard/Shannon Road and Los Gatos Boulevard/Los Gatos-Saratoga Road intersections.
6. **Other Traffic Signal Improvements/Modernization Plan.** W-Trans will review the Town's Traffic Signal Improvements Plan, make recommendations, and assist with prioritizing the improvements.
7. **Other Tasks.** W-Trans will assist with other tasks as mutually agreed upon with the Town, budget permitting.

Exclusions – The scope of services includes only those items that are specifically identified above. Any additional services, if needed, would be provided on a time and materials basis after receiving written authorization for the extra work.

Budget

The estimated fee for this task order is not to exceed \$50,000. All work will be completed on a time and materials basis per the hourly rate schedule included in our on-call agreement.

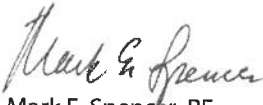
Additional Staff Request

Atul Patel has joined W-Trans since our on-call contract was finalized. We request his name be added to the list of staff for the on-call contract in case his extensive experience with traffic management systems is needed. His resume is enclosed, and his hourly rate is \$285 per hour.

Please provide written authorization to proceed or a task order for signature if you wish to initiate our services. Thank you for considering W-Trans for this work. If you require any additional information, please do not hesitate to contact Steve Fitzsimons at (650) 314-8313.

Thank you for giving us the opportunity to propose on these services.

Sincerely,



Mark E. Spencer, PE
Senior Principal, President

MES/smf/LGA006.P4

Enclosures: 2023 Fee Schedule, Atul Patel Resume



Fee Schedule

2023 Staff Billing Rates

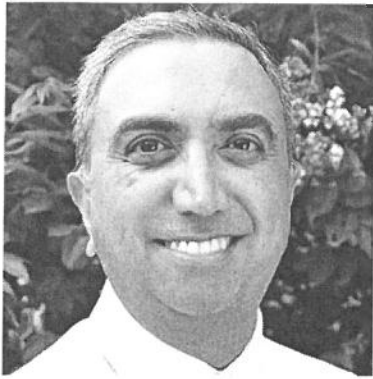
Position	Billing Rate (per hour)
Senior Principal	\$290 – \$350
Principal	\$225 – \$290
Senior Engineer/Planner	\$185 – \$225
Engineer/Planner	\$170 – \$190
Associate Engineer/Planner	\$150 – \$170
Assistant Engineer/Planner	\$130 – \$145
Technician/Administrative	\$115 – \$140
Intern	\$30 – \$80
Field Technician	\$30 – \$75

2023 Expense Charges

Item	Charge
Mileage	\$0.72/mile*
Services and Expenses	10% surcharge

These rates are valid for work performed prior to December 31, 2023. Work performed after January 1, 2024, and any subsequent year may be billed at the revised rates established for that year.

* Mileage charge will be based on the IRS Standard Mileage Rate (set at \$0.655/mile effective January 1, 2023) plus 10 percent.



Atul Patel, PE, PTOE
Principal



Atul Patel is a Principal and brings over 30 years of public and private sector traffic engineering design experience to our growing firm.

Atul has 32 years of traffic engineering and ITS experience, and has worked in both the public and private sectors. He has designed numerous traffic signal installations and modifications involving Caltrans and obtained encroachment permits for these clients. Some of his design projects have included flashing yellow arrow operation, signal hardware upgrades, ITS equipment, installation of traffic signal interconnect conduit and cable to the adjacent signals, installation of curb ramps that comply with the Americans with Disabilities Act (ADA), video detection systems, video surveillance systems, emergency vehicle pre-emption, and fiber optic communication hubs. He has also completed railroad signal pre-emption, prepared signing and striping designs, and provided bid and construction assistance support services.

Atul has developed bus rapid transit projects involving design and construction of transit signal priority hardware at existing traffic signal locations. Some of the other ITS projects he has managed have included strategic plan development, Concept of Operations, multi-jurisdictional systems integration, and technical specifications development.

Education

MBA in Technical Management
University of Phoenix, 2004

BS in Civil Engineering
Texas A&M University, 1991

Affiliations/Activities

Institute of Transportation Engineers (ITE)
Member

Intelligent Transportation Society of California (ITSCA)
Member

Registration

Traffic Engineer #2321 (CA)
Professional Traffic Operations Engineer
#1640

Civil Engineer #83987 (TX)
Civil Engineer #89838 (FL)

Professional History

2022-Present
W-Trans

2012-2022
TJKM Transportation Consultants

2010-2012
City of Menlo Park

1999-2010
DKS

1998-1999
PBQ&D

1994-1998
City of Coppell

1992-1994
City of Dallas

1990-1991
Texas Transportation Institute

Representative Projects

Traffic Signal Design

Alameda County – Signalized Intersection Improvements

Burlingame – Oak Grove/Carolan Avenue Signal Design

Concord – Citywide Signal Hardware Upgrades (Phases 1 & 2)

Manteca – HSIP Traffic Signal Systems Update Project

Menlo Park – El Camino Real Crosswalk Improvements and Bike Lane Feasibility

Modesto – Citywide Signal Hardware and Backplate Replacement Project

Mountain View – Grant Road-Phyllis Avenue/Martens Avenue Intersection Improvements

Novato – Citywide Pedestrian Improvements

Pittsburg – HSIP Citywide Signal Hardware Upgrades, HSIP Stoneman Avenue Intersection Improvements and HSIP West Leland Safety Improvements

Rohnert Park – Citywide Traffic Signal Safety Improvements

Santa Rosa – Northpoint Parkway/Dutton Meadows Signal Design

Sunnyvale – HSIP Traffic Signal Upgrades and HSIP East Sunnyvale Sense of Place

Sunnyvale – Homestead High Bicycle and Pedestrian Improvements

Sunnyvale – Mathilda/Indio Intersection Improvements

Sunnyvale – 2023 Pavement Rehabilitation Project

Intelligent Transportation Systems

Concord – Willow Pass Signal System Improvements

Concord – Monument Boulevard Signal System Improvements

Modesto – Claus and Scenic Corridors Fiber Installation

Tracy – Prologis Fiber Intranet Communication Systems Phases 1, 2 and 3

Street Lighting Design

Alameda County – East 14th Street Streetscape Project and Mission Boulevard Complete Streets

Milpitas – Main Street Streetscape

Oakland – Telegraph Avenue Streetscape

Stockton – Miner Avenue Streetscape Project



Atul Patel
(continued)

Traffic Operations Analysis

Alameda County – *East 14th Street Streetscape*

Los Altos – *Miramonte/Covington Bicycle and Pedestrian Improvements*

Stanislaus County – *Golden State Boulevard/Golf Road/Berkeley Avenue Intersection Improvements*

Sunnyvale – *Homestead High Pedestrian and Bicycle Improvements*

Complete Streets and Corridor Projects

Alameda County – *East 14th Street Streetscape Project and Mission Boulevard Complete Streets Design*

Belmont – *Ralston Avenue Corridor Improvements (Segments 1 and 2)*

Oakland – *Telegraph Avenue Streetscape*

Palo Alto – *Charleston-Arastradero Corridor Improvements*

San Bruno – *Citywide Intersection Safety Improvement Study*

Stockton – *Miner Avenue Complete Streets PS&E*

Parking

Mountain View – *Stierlin Road Bike and Pedestrian Improvement Project*

San Jose – *City Parking Guidance System*

Martinez – *Contra Costa County Parking Management Plan*

Safe Routes to School

Kettleman – *Safe Routes to School Designs*

Los Altos – *Safe Routes to School Designs*

Sunnyvale – *Safe Routes to School Designs*

Bicycle and Pedestrian Facilities

Alameda County – *East 14th Streetscape Project*

Burlingame – *Murchison/Trousdale/Davis Drive Bicycle Route Improvement Project*

Concord – *Downtown Concord Pedestrian and Bicycle Lane Improvements*

Daly City – *Central Corridor Bicycle and Pedestrian Safety Improvements*

Merced County – *On-Call RRFBs at four locations*

Millbrae – *Millbrae Avenue Cycle Track Project*

Modesto – *On-Call RRFBs at ten locations*

Mountain View – *Stierlin Road Bike and Pedestrian Improvement Project*

Novato – *Citywide Pedestrian Improvements*

Redding – *California Avenue Bikeway Project*

Stockton – *Central Stockton Road Diet & Striping Connections*

Sunnyvale – *Homestead High School Pedestrian and Bicycle Improvements*

Construction Zone Traffic Control

DeSilva Gates Construction On-Call – *Alcosta Boulevard and Crow Canyon Road in San Ramon and various roadways in Moraga, Orinda and San Leandro*

Eureka – *Caltrans District 1 On-Call*

Martin County – *Signing & Striping Plans for Road Sealant Project*

Menlo Park – *Sand Hill Road PG&E Gas Distribution Line*

Signal Coordination

Dinuba – *Signal Synchronization*

Menlo Park – *Willow Road Traffic Signal Coordination*

Santa Cruz – *Ocean Avenue/Water Avenue Signal Coordination*

Transit

AC Transit – *San Pablo Avenue Rapid Corridor Design*

AC Transit – *Hesperian Avenue BRT Design*

San Leandro – *BART Downtown Pedestrian Enhancements*

On-Call Traffic/Transportation Engineering Services

Burlingame, Concord, Davis, Menlo Park, Novato, Santa Clara and Stockton