



34009 ALVARADO-NILES ROAD  
UNION CITY, CALIFORNIA 94587  
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**REQUEST FOR PROPOSALS  
TO PROVIDE  
TRAFFIC DATA COLLECTION SERVICES  
FOR**

**2012 CITYWIDE TRAFFIC ENGINEERING AND TRAFFIC SURVEY**

**Scope of Services**

The City of Union City of Union City seeks a consultant to perform traffic data collection services consisting of the following:

- 1) Perform radar speed surveys for each street segment. The radar speed survey shall include a minimum of 50 vehicle observations per direction for each street segment.
- 2) Collect 24-hour traffic volume counts (ADT) for each street segment.

Speed surveys shall be performed with a properly calibrated hand held radar gun. The calibration certificate for radar guns shall be submitted prior to beginning surveys. The calibrated radar gun shall be checked periodically with a tuning fork.

The radar speed survey shall not be conducted during the peak traffic hours of 7:00 a.m. to 9:00 a.m. and 3:30 p.m. to 6:00 p.m. The radar speed survey shall measure only free-flowing vehicles in the traffic stream. If several vehicles are in a platoon, only the first vehicle in the platoon shall be measured.

The speed survey shall not be conducted if construction activity, with or without traffic control, is ongoing in the vicinity of the street segment. Speed survey shall be not be conducted in the presence of other conditions that could affect the survey results including but not limited to inclement weather or emergency activities.

Radar speed data will be collected to calculate the 50<sup>th</sup> percentile, 85<sup>th</sup> percentile, 10 mph pace speed, percent of vehicles observed within the 10 mph pace speed, range of speeds observed, standard deviation, standard error of the mean and the average speed.

Radar speed surveys shall be collected from an unmarked vehicle located in an inconspicuous place along the roadway. Consultant shall coordinate with City staff regarding location and prevailing conditions prior to beginning any data collection activities. It is anticipated that some locations

may require resurveying if there are issues with the data.

### **Data Submittals:**

ADT count data shall be submitted in Excel format tables with hourly and directional distributions of traffic indicated. Radar speed data shall be submitted in Excel format tables including raw data and graphs along with calculated parameters of 50<sup>th</sup> percentile speed, 85<sup>th</sup> percentile speed, 10 mph pace, and % of vehicles in 10 mph pace.

### **Proposal Requirements**

The following information is requested to be included with your proposal for this work:

- Identification of previous relevant work experience on similar projects for municipalities including client contact information.
- The background and specific pertinent experience of the radar operator, and a statement as to their time commitment to the project.
- A professional services hourly rate schedule for the work proposed to be provided by your firm and all sub-consultants. Also, include an estimated total cost to perform the required data collection services on the attached street list.

### **Consultant Selection**

There will be no interview for the consultant selection. The proposal evaluation will focus on the following factors as important when assessing proposals for this project

- The experience and qualifications of the data collection staff.
- Reasonableness of total estimated costs, labor hours and hourly rates.

### **Proposal Submittal**

One (1) copy of the quote and proposal shall be submitted to the City Engineer, City of Union City, Department of Public Works, 34009 Alvarado-Niles Road, Union City, CA 94587, by **5:00 p.m., Friday, January 13, 2011**. The contract is anticipated to be awarded by the City Council at its meeting of January 24, 2012.

The City desires to help consultants control the cost of preparing proposals. Proposals should concisely communicate the information requested by the City.

### **Insurance Requirement**

The Consultant will be required to carry insurance in the amount of \$1,000,000 for each of the following:

- General liability;

- Automotive liability;
- Workers' compensation and employers' liability;
- Professional liability for errors and omissions.

The selected consultant firm must meet the insurance requirement and the City's indemnification provisions. A copy of the City's standard Consulting Agreement is available upon request. Please contact me at (510) 675-5303 or by e-mail at [mrenk@ci.union-city.ca.us](mailto:mrenk@ci.union-city.ca.us) if you have questions or need further information.

Sincerely,



Michael Renk, P.E.  
Civil Engineer III  
City of Union City

## ENGINEERING AND TRAFFIC SURVEY

DATE OF LAST SURVEY	POSTED SPEED	STREET	RANGE
Feb. 2007	25 MPH	Almaden Boulevard	Alvarado-Niles Road to Tropics Entrance
Feb. 2007	25 MPH	Arizona Street	Central Ave. to Trailside
Feb. 2007	25 MPH	Arizona Street	Hop Ranch Rd. to Central Ave.
Feb. 2007	25 MPH	Brockway Street	Rocklin Dr. to Lowry Rd.
Feb. 2007	25 MPH	Cabello Street	Regents Blvd. to Jean Dr.
Nov. 2007	25 MPH	F Street	11 <sup>th</sup> Street to 14 <sup>th</sup> Street
March 2007	30 MPH	Galaxy Drive	Alvarado Blvd. to Meteor Dr.
March 2007	25 MPH	H Street	Alvarado-Niles Rd. to 15 <sup>th</sup> St.
March 2007	25 MPH	H Street	Decoto Rd. to 15 <sup>th</sup> St.
March 2007	35 MPH	Lowry Road	Regents Blvd. to City Limits
March 2007	25 MPH	Mann Avenue	Alvarado-Niles Road to Perry Road
March 2007	30 MPH	Meteor Drive	Dyer St. to Delores Dr.
March 2007	25 MPH	Sherman Drive	Alvarado-Niles Rd. to Colgate Dr.
March 2007	25 MPH	Skylark Drive	Mann Ave. to Osprey Dr.
March 2007	25 MPH	Tamarack Street	Mission Blvd. to Basswood Ave.
March 2007	25 MPH	Tamarack Street	Mission Blvd. to Ithaca St.
March 2007	35 MPH	Union City Blvd.	Bettencourt Way to Horner St.
March 2007	35 MPH	Union City Blvd.	Horner St. to Alvarado Blvd.
March 2007	45 MPH	Union City Blvd.	Dyer St. to Delores Dr.
March 2007	45 MPH	Union City Blvd.	Delores Dr. to City Limits(Fremont)
March 2007	30 MPH	Western Avenue	Alvarado-Niles Rd. to Pacific Ave.
March 2007	25 MPH	Western Avenue	Pacific Ave. to Atlantic Ave.