

RESOLUTION NO. _____

A RESOLUTION AUTHORIZING THE ADMINISTRATOR OF THE DEPARTMENT OF PUBLIC WORKS TO AWARD CONTRACT NO. T-12-006-201, REAL TIME TRAFFIC MONITORING SYSTEM, FEDERAL PROJECT NO. CM-3300 (51), PIN 114321.01, CHATTANOOGA REGIONAL ITS TO DIGIWEST, LLC, IN THE AMOUNT OF TWENTY-FOUR THOUSAND SIX HUNDRED DOLLARS (\$24,600.00), WITH A CONTINGENCY AMOUNT OF TWO THOUSAND FOUR HUNDRED DOLLARS (\$2,400.00), FOR AN AMOUNT NOT TO EXCEED TWENTY-SEVEN THOUSAND DOLLARS (\$27,000.00).

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF CHATTANOOGA, TENNESSEE, that the Administrator of the Department of Public Works be and is hereby authorized to award Contract No. T-12-006-201, Real Time Traffic Monitoring System, Federal Project No. CM-3300 (51), PIN 114321.01, Chattanooga Regional ITS to Digiwest, LLC, in the amount of \$24,600.00, with a contingency amount of \$2,400.00, for an amount not to exceed \$27,000.00.

ADOPTED: _____, 2013

/mms

City of Chattanooga



Resolution/Ordinance Request Form

Date Prepared: 12/27/12

Preparer: Dennis Malone

Department: Public Works

Brief Description of Purpose for Resolution/Ordinance:

Res./Ord. # _____ Council District # _____ Citywide

A City Council resolution is requested to award Contract No. T-12-006-201, Real Time Traffic Monitoring System, Federal Project No. CM-3300 (51), PIN 114321.01, Chattanooga Regional ITS, to Digiwest LLC, in the amount of \$24,600.00 with a contingency amount of \$2,400.00 for an amount not-to-exceed \$27,000.00.

| | | | |
|---------------------------------------|---------------------|---|---------------|
| Name of Vendor/Contractor/Grant, etc. | <u>Digiwest LLC</u> | New Contract/Project? (Yes or No) | <u>Yes</u> |
| Total project cost \$ | <u>27,000.00</u> | Funds Budgeted? (YES or NO) | <u>Yes</u> |
| Total City of Chattanooga Portion \$ | <u>27,000.00</u> | Provide Fund | <u>8319</u> |
| City Amount Funded \$ | <u>27,000.00</u> | Provide Cost Center | <u>K17410</u> |
| New City Funding Required \$ | <u>0</u> | Proposed Funding Source if not budgeted | <u>TDOT</u> |
| City's Match Percentage % | <u>0%</u> | Grant Period (if applicable) | <u>FY12</u> |

List all other funding sources and amount for each contributor.

| Amount(s) | Grantor(s) |
|--------------------|-------------------------------|
| <u>\$27,000.00</u> | <u>TDOT - CMAQ Grant FY12</u> |
| | |
| | |

Agency Grant Number _____

CFDA Number if known _____

Other comments: (Include contingency amount, contractor, and other information useful in preparing resolution)

Approved by: _____

Reviewed by: FINANCE OFFICE

DESIGNATED OFFICIAL/ADMINISTRATOR

Please submit completed form to @budget, City Attorney and City Finance Officer

Revised: 1/26/09



City of Chattanooga
DEPARTMENT OF PUBLIC WORKS
DEVELOPMENT RESOURCE CENTER
ENGINEERING DIVISION
1250 MARKET STREET, SUITE 2100
Chattanooga, Tennessee 37402-2713

MEMORANDUM

Date: December 27, 2012

To: Artie Prichard

From: Dennis Malone, Assistant City Engineer *DM*

Re: Contract No T-12-006-201 Real-Time Traffic Monitoring System RFP

Traffic Engineering has evaluated the RFP's submitted on October 19, 2012 for the above mentioned project. After evaluating the three proposals submitted our determination is to recommend that the lowest and most responsive proposal was provided by Digiwest LLC, and those should be award the contract. The proposals were as follows:

| | | |
|---------------------------------|----------------|----------|
| Digiwest LLC | \$24,600.00 | 4 weeks |
| Stansell Electric Company, Inc. | \$47,710.00 | 12 weeks |
| Acyclia Inc. | Non-Responsive | |

Our recommendation is to award for the \$24,600.00 with a contingency amount of \$2,400.00 for a total amount of \$27,000.00.

Engineering Division
(423)643-6190
Fax: (423)643-6008

Water Quality Program
(423)643-5877
FAX: (423)643-5862

Technical Information Center
(423)643-6033
FAX: (423)643-6027

Response to RFP

City of Chattanooga

REAL-TIME TRAFFIC MONITORING SYSTEM

Contract T-12-006-201

October 10, 2012

Prepared for:

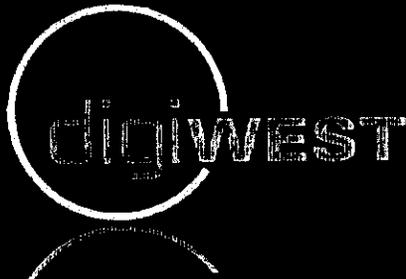
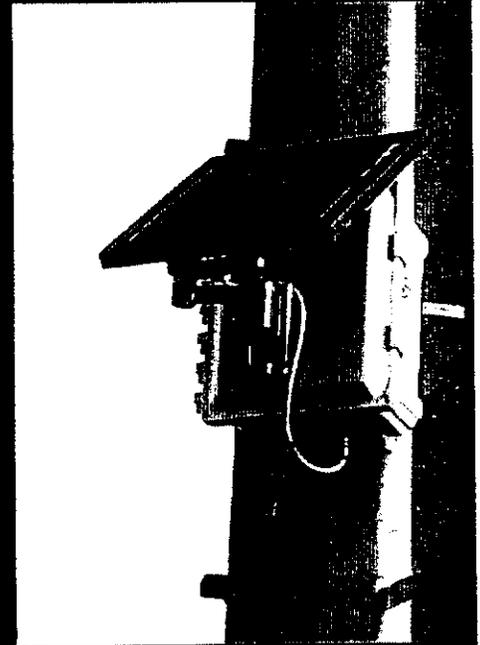
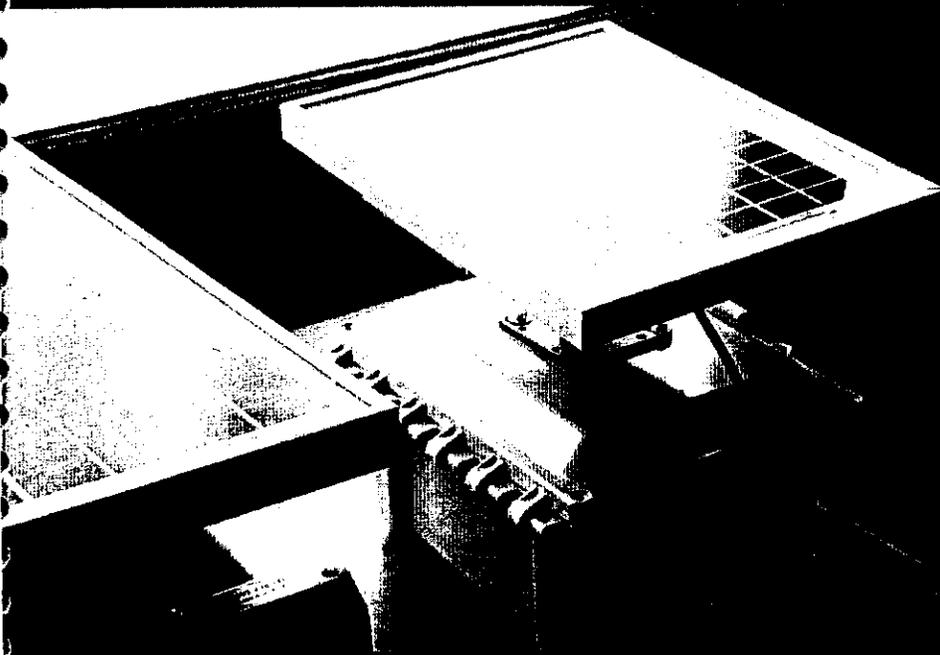
City of Chattanooga

Attn: Ron Johnson
City Hall, 101 E 11th St
Chattanooga, TN 37402
423-757-5181

Prepared by:

Digiwest

610 SW Alder St, Suite 700
Portland, OR 97205
503.224.2765
mybluemac.com



Request for Proposal (RFP)

Real-Time Traffic Monitoring System

CONTRACT NUMBER T-12-006-201

CHATTANOOGA, TENNESSEE

DESCRIPTION

This RFP is to support the Chattanooga Regional Intelligent Transportation System (ITS) project. The RFP is for a real-time traffic monitoring system that shall be capable of monitoring and measuring vehicular, bicycle and pedestrian movement by identifying and comparing unique MAC (Media Access Control) addresses associated with Wi-Fi or Bluetooth enabled electronic devices. The real-time traffic monitoring system shall be fully functional and shall consist of five (5) portable roadside sensor units and a complete and dedicated network-based backend support system to process the data collected by the roadside sensor units. Such support shall also include a secure web-based user interface to view, analyze and configure data outputs. The data shall be available for viewing in real time and as post-processed report-generated analysis. Data processing will include, travel time, flow, speed, and MAC address counts. The potential vendors shall refer to the detailed specifications as attached.

TOTAL BASE BID

Total Base \$ \$24,600.00

Note: Dollar amounts are to be shown in both words and figures. In case of discrepancy, dollar amounts shown in words will govern.

Contractor certifies that he has reviewed the plans and specifications, and that all items of work not specifically listed in the Bid Schedule are included in the prices for the various items listed on the Bid Schedule.

BIDDER: Digiwest LLC

DATE: October 10, 2012

BY: Paul R. White

(Signature)

TITLE: Director

ADDRESS: 610 SW Alder St. STE 700

CITY: Portland

STATE: OR

ZIP CODE: 97205

TELEPHONE NUMBER: 503-535-7421 // 503-535-7400 paul@digiwest.com

CONTRACTOR'S IDENTIFICATION
(ALL BLANKS MUST BE FILLED. USE N/A AS NECESSARY)

This form shall be attached to the sealed envelope containing the Bid. All prime contractors and contractors for electrical, plumbing, and heating, ventilation, and air conditioning contracts for bids of \$25,000 or more and/or masonry items for \$100,000 or more are required to complete this form pursuant to TCA 62-6-119. Failure to provide all of this information on the sealed envelope shall be considered a non-responsive Bid and shall not be opened or shall automatically disqualify such bid.

BIDDER:

Complete the following for all applicable Electrical, Plumbing, Masonry and Heating, Ventilation, and Air Conditioning Subcontractors: Prime Contractor must fill in space below when performing Electrical, Plumbing, or Heating, Ventilation, and Air Conditioning Sub-Contractor work for any bids of \$25,000 or more; and for Masonry for any bids of \$100,000 for more:

Name: Digiwest LLC

Subcontractor: _____

Address: 610 SW Alder St. STE 700
Portland, OR 97205

Tennessee License No.: _____

License Expiration Date: _____

License Classification: _____

If TaxID Number (TIN) issued, list below. Otherwise, list Owner's Social Security Number (SSN).

TaxID Number: 26-0735392

Subcontractor: _____

Tennessee License No.: _____

Tennessee License No.: _____

License Registration Date: _____

License Expiration Date: _____

License Expiration Date: _____

License Classification: _____

Monetary Limit: _____
(\$ _____)

Subcontractor: _____

Classification: _____

Tennessee License No.: _____

License Expiration Date: _____

License Classification: _____

CITY OF CHATTANOOGA
Purchasing Department
101 E. 11th Street, Suite G13
Chattanooga, Tennessee 37402

REQUEST FOR PROPOSALS FOR :
Real-Time Traffic Monitoring System
Contract Number: T-12-006-201

DATE OF RFP: FRIDAY, OCTOBER 12, 2012

LOCATION: City Hall, Purchasing Department
101 E. 11th Street

TIME: 4:00 p.m.

T-12-006-201
Real-Time Traffic Monitoring System

| DESCRIPTION | QTY | UNIT OF MEASURE | UNIT PRICE | TOTAL |
|--------------------------------|-----|-----------------|---------------------|--------------|
| Roadside Sensor Units | 5 | EA | \$ 3,900.00 | \$ 19,500.00 |
| Backend Data Processing System | 1 | EA | \$ 1,000.00 | \$ 1,000.00 |
| Installation Cost | 1 | EA | \$ 2,500.00 | \$ 2,500.00 |
| Service/Support Cost | 1 | YR | \$ 2,100.00 | \$ 2,100.00 |
| Warranty (hardware/software) | 1 | YR | \$ Included | \$ 0 |
| Total Base Bid | | | \$ 24,600.00 | |

Delivery Time From Notice Of Award (NOA) 4 Weeks

Negotiable timeline based on needs of the city.

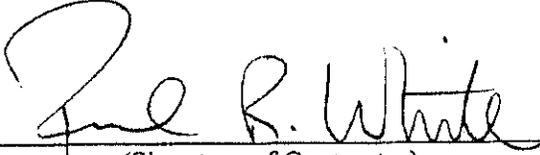
Affirmative Action Plan

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay, or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. In all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, any contractor and/or subcontractor is further required to file in duplicate within ten (10) days of being notified that it is the lowest responsible bidder, an affirmative action plan with the EEO Director of the City of Chattanooga. This plan shall state the Contractor's goals for minority and women utilization as a percentage of the work force on this project.
5. This Plan or any attachments thereto shall further provide a list of all employees annotated by job function, race, and sex who are expected to be utilized on this project. This plan or attachment thereto shall further describe the methods by which the Contractor or Subcontractor will utilize to make good faith efforts at providing employment opportunities for minorities and women.

During the term of this contract, the Contractor upon request of the City, will make available for inspection by the City of Chattanooga copies of payroll records, personnel documents and similar records or documents that may be used to verify the Contractor's compliance with these Equal Opportunity provisions.

6. The Contractor will include the portion of the sentence immediately preceding paragraph 1 and the provisions of paragraphs 1 through 6 in every subcontract so that such provisions will be requested of each subcontractor. The Contractor agrees to notify the City of Chattanooga of any subcontractor who refuses or fails to comply with these equal opportunity provisions. Any failure or refusal to comply with these provisions the contractor and/or subcontractor shall be a breach of this contract.



(Signature of Contractor)

Director // Digiwest LLC

(Title and Name of Company)

October 10, 2012

(Date)

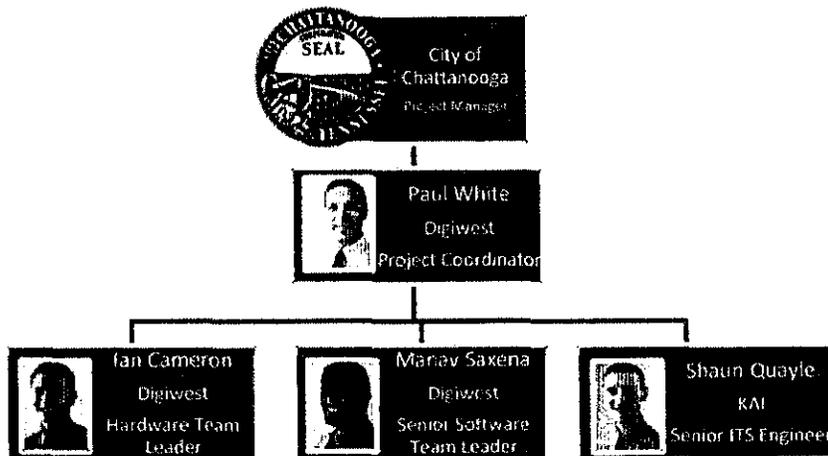
1. Project Team

Digiwest, LLC and our teaming partners are pleased to submit this proposal for the City of Chattanooga Real-Time Traffic Monitoring System: Contract T-12-006-201. In addition to our internal staff, Digiwest has assembled a team of experts in the field of traffic and roadway data collection using Bluetooth and radar technologies who also possess an intimate knowledge and understanding of the Bluetooth and MAC Address collection project. In addition to our Digiwest staff, our team also includes Shaun Quayle, a senior ITS engineer with Kittelson & Associates, Inc. (KAI) to review deployment locations and support advance training on reports.

Introduction to Team

Digiwest began work in the information technology field in 1995, specializing in work for civil, environmental, and traffic engineering firms and their highly specialized needs. Digiwest first started work in the Bluetooth traffic data collection field in 2007 through their work on origin-destination and travel time studies as partners on projects in Hillsboro, OR; Brisbane, Australia; Boise, ID; Fort Lauderdale, FL; and Portland, OR. KAI is also based in Potland, OR, has provided transportation planning, engineering, and research services to governments, municipalities and private organizations since 1985

Primary Team Background



Paul White, Director/Project Coordinator, 20 years of experience

BS Business Administration-University of Colorado/BS History-University of Colorado

Paul will serve as project coordinator and primary point of contact for the RTC. Paul is Managing Director of Digiwest and oversees all operations of Bluetooth and WiFi data collections division in addition managed services, which provides complete technology services to multiple engineering firms located throughout the United States and abroad. Paul has over 20 years of experience with technology operations and over 30 years as Operations Manager in a variety of industries.

Shaun Quayle, PE/Senior Data Collection Design, 10 years of experience

MS Civil Engineering-University of Tennessee/BS Civil Engineering-Oregon State University

Shaun has focused on traffic operations and analysis including corridor planning, ITS analysis and implementation, and traffic signal optimization, as well as integrating MAC reader travel time and origin-destination data to support critical performance measures for validating planning tools such as travel demand models. Shaun has completed over 20 projects using the latest technologies to automatically sample and track traffic operational characteristics for local and regional agencies for analyzing traffic operations, demand patterns to inform traffic control decisions and regional travel demand, dynamic traffic assignment, and microsimulation transportation models. Shaun was the project manager for the 82nd Avenue Permanent Bluetooth System Design and Implementation with the Portland Bureau of Transportation, which is very similar to this project's proposed infrastructure and architecture.



System Support Services

KAI is committed to providing outstanding quality work and service. Digiwest has call-in services in place and are currently operating with other clients in the region. These services will be extended to and included as part of this project. Digiwest also provides an extensive Helpdesk system for opportunity tracking and results reporting. Helpdesk is manned Monday through Friday from 5:00 am to 6:00 pm (PST). In addition, Digiwest maintains 24-hour on-call services and off-hour support. This benefit includes the previously mentioned on-site support for hardware assistance as well as same-day replacement of both permanent and portable collection gear.

Device firmware and server software updates are handled automatically. Once approved by your administrator, updates automatically download to the individual devices through the network and install. In this manner new features and patches are instantly available. Server updates are provided free of charge over the first three years, and include any and all new features and enhancements to current offerings.

3. Project Team Capabilities

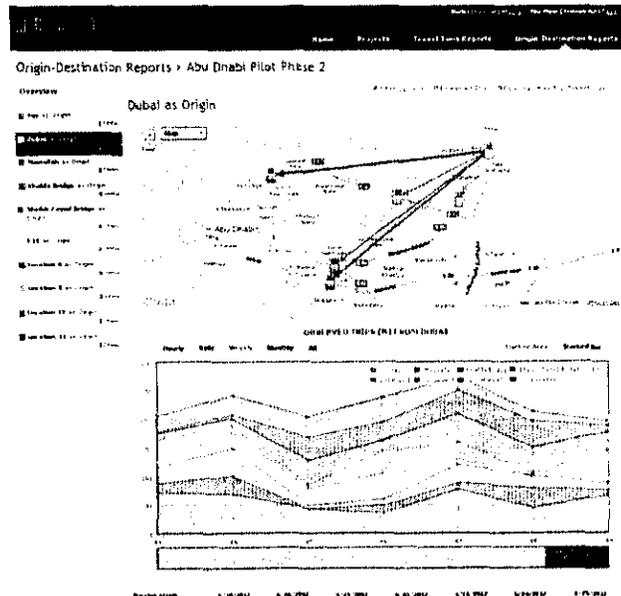
Sample Projects

82nd Avenue Permanent Bluetooth System (Portland, OR)

As a sub-consultant to KAI, Digiwest designed, programmed, deployed, and validated a system of permanently installed Bluetooth readers on 82nd Ave / US 213 in Portland, OR in 2011. System features include web-based management of each sensor and a server located at PBOT with an interface to display data collection status of the system as a whole. Several antenna arrangements and sensor platforms were tested, and a fully customized and documented Windows server platform is still in service collecting and storing data from several sensors.

Travel Time/Origin-Destination/Incident Reports/with XML feed to agency portal (Abu Dhabi, U.A.E.)

This project for the **Abu Dhabi Department of Transportation, U.A.E.** includes a 200 unit portable device deployment as well as server and software system. All Bluetooth collection devices run solar with battery backup on a cellular GSM service provider. While a completely portable system, all devices are deployed permanently due to infrastructure considerations in the market. In addition to travel time and origin-destination reporting capabilities, deployment includes alert notification for device failure. A user defined incident reporting dashboard displays current travel time and allows the user to define a threshold variance from historical travel time. Roadway sections experiencing greater travel times than the threshold and variance display a color alert for that roadway segment. Additional alerts are user defined. The system provides an XML data feed into the DOT's information portal. Typical device capture rate for Digiwest Bluetooth gear average over 800,000 unique MAC addresses per device per month totaling an estimated 160,000,000 unique devices captures per month. The pilot project was installed in September 2011. Project approval occurred in June, with a scheduled install completion date of November 2012.



US 26 Regional Origin-Destination Bluetooth Study (Hillsboro, OR)

Digiwest supported an engineering team with the **City of Hillsboro** to establish travel time and origin-destination information for regional travel from Brookwood Road and 185th Avenue Interchange with US 26 to 7 strategic destination points along key Portland Metro Freeways. Data generated was used in comparison to the regional travel demand model, to gauge the effect of ramp metering and measure the reliability of different routes and peak periods. The project process began in May of 2010 and was completed by September 2010.



Origin-Destination study of North Metro Brisbane (Brisbane, Australia)

Digiwest developed hardware and supporting software and equipment for a 29 unit device deployment over a 13-kilometer by 7 kilometer network for the Queensland Department of Transportation and Main Roads (TMR) in Brisbane Australia. This project was commissioned to validate the use of passive Bluetooth devices and MAC readers to accurately collect O-D data and to calibrate and validate regional planning models. This project demonstrated MAC data collection costs were significantly less expensive and produces comparable results for station to station trips. This project was initiated in July 2009 and completed in November 2009.

Other Notable Projects:

- Powell Boulevard MAC Reader Pilot Study (Portland, OR)
- Tualatin-Sherwood Road MAC Reader Pilot Study (Tualatin, OR)
- Portland Regional Arterial Traffic Enhancement Project (Various Portland Metro Locations)
- ODOT Innovative Grant Project Evaluations (Various Locations Across Oregon)
- North-Metro Brisbane 2-unit OD

References

| Customer Name | Contact | Address | Telephone Number | Site Installation |
|---|---|---|---|--|
| Portland Bureau of Transportation | Mr. Peter Koonce Signals and Street Lighting Manager | 1120 SE 5th Avenue, 8th Floor Portland, OR 97204 | (503) 823-5382 | April 2010 to Present Multiple Portland city streets |
| Abu Dhabi Department of Transportation (U.A.E.) | Mr. Nabeel AlZaka Traffic Management Center | Traffic Mgt. Center Abu Dhabi DOT, Salam Street Abu Dhabi, UAE | +9712 656-6657 Nabeel.alzaka@dot.abudhabi.ae | September 2011 to present with primary installation September 2012 |
| North Carolina State University | Dr. Billy Williams | Campus Box 7908, Room 418 Mann Hall Raleigh, NC 27695 | (919) 515-7813 | September 2011 to Present Multiple applications and installations |

4. Project Approach and Understanding

The project team recommends a discussion(s) with project end data users to define data needs as custom radios and/or equipment maybe helpful to allow the close spacing of stations. Digiwest (and KAI) have helped numerous public agencies implement the right system equipment to get the desired results over the past 5 years, longer than most in the transportation industry for Bluetooth systems. The wireless, channel-hopping nature of Bluetooth is a built-in constraint which must be properly considered to generate the desired travel time, speed and origin-destination results. Criteria outlined on the RFP have been identified and listed separately in Attachments.

- a. System Specifications, b. Device Specifications, c. Server Specifications, d. Service Specifications

5. Proposed Cost

| Kittelson & Associates, Inc.: Traffic Engineering ² | | | | | | |
|--|---|---|--|---|------------------|----------|
| Plan Review | Site Change Review | Performance Reporting | Performance O-D/TT Training | Deployment Support, Data Troubleshooting | Total | |
| \$0 | \$300 | \$300 | \$450 | \$1050 | \$2,100 | |
| Digiwest, LLC: Data Collection ¹ | | | | | | |
| 5 - BlueMAC Portable Equipment Cost | BlueMAC hardware Installation, training and support | 3rd year - Web services Support, Report training | Mobile Device Cellular Data (1 year) Included | 2 nd year Hardware & Software Maintenance and Warranty | Hardware Use Tax | Total |
| \$19,500 | \$2500 | \$1000 | | No Charge | City Paid | \$23,000 |
| Total Proposed Cost: | | | | | \$24,600 | |



¹ Two-year extended product and software warranty covers all BlueMAC parts and components. All Helpdesk and call-in support included for first two years. Year 3 and 4 hardware maintenance and support services quote available.
² Initial plan review to adjust deployment plan based on location distances across street deployments. Antenna evaluation based on barriers and obstructions to data signals. Performance reporting training for high-level evaluation of report data. Additional hours available based on state-approved billing rates.

General Terms and Conditions

Digiwest, and all teaming partners hereby agree to the terms and conditions laid out as part of the RFP including but not limited to required insurance coverage for worker's compensation, commercial liability insurance, automobile insurance and umbrella liability insurance. All wage and working conditions are in compliance with state and federal mandates for prevailing wage rates. Finally, no employee, official of the city or appropriate Advisory Board Member has any interest, financial or otherwise in Digiwest or any of our teaming partners, nor have they at any point in the past.

Malone Dennis

From: LeVally Rebecca
Sent: Thursday, December 27, 2012 12:43 PM
To: Malone Dennis
Cc: Trotter Thomas
Subject: FW: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Importance: High

Could this be what you need?

From: Yang Jidong
Sent: Wednesday, December 19, 2012 2:09 PM
To: LeVally Rebecca
Cc: Trotter Thomas
Subject: FW: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Here is it again.

From: Kip Mayton [<mailto:Kip.Mayton@tn.gov>]
Sent: Friday, December 14, 2012 9:58 AM
To: Yang Jidong
Subject: RE: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

TDOT concurs.

Kip Mayton, P.E.
Transportation Manager I
TDOT Local Program Development Office
(615) 532-3183
Kip.Mayton@tn.gov

From: Yang Jidong [mailto:yang_j@chattanooga.gov]
Sent: Friday, December 14, 2012 8:23 AM
To: Kip Mayton
Cc: Trotter Thomas
Subject: FW: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Kip,

Good morning! Just want to follow up with you on the Bluetooth application. Could you please confirm if TDOT concurs with the City's decision on selecting Digiwest LLC for the Bluetooth application? Your quick response is greatly appreciated.

Thanks,
Jidong

From: Yang Jidong
Sent: Wednesday, November 07, 2012 2:21 PM
To: Kip Mayton
Subject: FW: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Kip,

This is regarding the conversation we had about half a year ago (please see the emails highlighted below). We did a RFP and got three responses on the Bluetooth system. They are Digiwest LLC, Stansell Electric Company, Inc., and Acyclica, Inc.. Note that Acyclica, Inc. only provided the quote for the hardware unit and did not include software, installation, service costs. I am attaching their submittals for your reference. In comparing those, the City plans to award the contract to Digiwest LLC because their product/services meet the City's specs and needs and have the lowest full bid price. Therefore, we would like to seek TDOT's concurrence on awarding the contract to Digiwest LLC. If you have any questions, please let us know.

Thanks,

Jidong Yang, Ph.D., P.E.
Traffic Signal Systems Engineer
City of Chattanooga
1250 Market Street, Suite 3030
Chattanooga, TN 37402
Tel: (423) 643-5960
Fax: (423) 643-5951

From: Kip Mayton [<mailto:Kip.Mayton@tn.gov>]
Sent: Thursday, May 10, 2012 10:08 AM
To: Yang Jidong
Subject: RE: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Good Morning Jidong,

I discussed this question with Teresa, and we agreed that as long as you are not sole sourcing this Bluetooth compatible equipment, you may follow the small purchase procedures. We recommend that you obtain specs and prices from at least three sources prior to making a selection for the equipment.

Kip

Kip Mayton
Transportation Manager 1
TDOT Local Program Development Office
(615) 532-3183
Kip.Mayton@tn.gov

From: Yang Jidong [mailto:yang_j@chattanooga.gov]
Sent: Wednesday, May 09, 2012 9:01 AM
To: Kip Mayton
Subject: Re: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Kip,

Good morning! Per our prior conversation regarding the installation of Bluetooth equipment for before-and-after evaluation of the upcoming ITS phase I project, the estimated cost would be around \$30,000, which falls in the category of "Small Purchase" according to TDOT's consultant selection policy adopted in 2011. I am attaching this policy here for your reference. On page 2 of the policy, Item E under Definition Section, it stated:

E. Small Purchase Procedures - Small purchase procedures are relatively simple and informal procurement methods where an adequate number of qualified sources are reviewed and the total contract costs do not exceed the simplified acquisition threshold fixed in 41 U.S.C. 403(11) (currently \$100,000.00). Competitive negotiation in the manner of a "Brooks Act" qualifications-based selection procedure is not required.

Please advise if the small purchase procurement procedure can be used for the Bluetooth equipment.

Thanks,

Jidong Yang, Ph.D., P.E.
Traffic Signal Systems Engineer
City of Chattanooga
1250 Market Street, Suite 3030
Chattanooga, TN 37402
Tel: (423) 643-5960
Fax: (423) 643-5951

Malone Dennis

From: Yang Jidong
Sent: Friday, September 21, 2012 10:37 AM
To: Lea Sharon
Cc: Malone Dennis; LeVally Rebecca; Lawman, Kari; Johnson Ronald
Subject: RE: T-12-006-201 - Request for Proposal (RFP) For a Real-Time Traffic Monitoring System

Sharon,

As we spoke, to be able to get a minimum of three responses, below is a list of potential vendors that you may want to send the RFP link to. Let me know if you have any questions.

- (1) **Southern Lighting and Traffic Systems**, contact: Mark Zinn, email: mzinn@southernltg.com
- (2) **Acyclica**, contact: Adam Hicks, email: ah@acyclica.com
- (3) **Alcatel-Lucent**, contact: Angel R. Torres, email: Angel.Torres@alcatel-lucent.com
- (4) **Intelligent Transportation Video**, contact: Chip Boyd, email: chip@intelligenttransportationvideo.com

Thanks,

Jidong Yang, Ph.D., P.E.
Traffic Signal Systems Engineer
City of Chattanooga
1250 Market Street, Suite 3030
Chattanooga, TN 37402
Tel: (423) 643-5960
Fax: (423) 643-5951

From: Lea Sharon
Sent: Friday, September 21, 2012 10:28 AM
To: Lawman, Kari; Johnson Ronald
Cc: Malone Dennis; LeVally Rebecca; Yang Jidong
Subject: RE: T-12-006-201 - Request for Proposal (RFP) For a Real-Time Traffic Monitoring System

It has been posted on the City's website.

Thanks.

From: Lawman, Kari
Sent: Thursday, September 20, 2012 4:37 PM
To: Johnson Ronald; Lea Sharon
Cc: Malone Dennis; LeVally Rebecca; Yang Jidong
Subject: T-12-006-201 - Request for Proposal (RFP) For a Real-Time Traffic Monitoring System

Please reference the attached RFP.

Thank you!

Kari Lawman

Engineering Contracts Coordinator

lawman_k@chattanooga.gov

City of Chattanooga, Public Works Department

1250 Market Street

Chattanooga, TN 37402

(423) 643-6028 - phone

(423) 643-6041 - fax

Malone Dennis

From: Yang Jidong
Sent: Thursday, May 10, 2012 2:08 PM
To: Malone Dennis
Cc: Van Winkle John; Trotter Thomas; LeVally Rebecca; Lawman, Kari
Subject: FW: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Dennis,

Talked with Kip at TDOT about using the federal fund to purchase a set of portable Bluetooth units to evaluate the effectiveness of the next phase of ITS deployment. TDOT has agreed with this idea and allows the City to use TDOT's small purchase procedure since the cost will be less than \$100,000 (see my email correspondence with TDOT below). Since this is going to be done as a change order to the original construction contract and will be paid by the federal fund, I am not sure if the City's internal procurement procedure has to be followed, i.e., if the purchase amount exceeds \$10,000, Council approval will be required. Please advise...

Thanks!
Jidong

From: Kip Mayton [<mailto:Kip.Mayton@tn.gov>]
Sent: Thursday, May 10, 2012 10:08 AM
To: Yang Jidong
Subject: RE: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Good Morning Jidong,

I discussed this question with Teresa, and we agreed that as long as you are not sole sourcing this Bluetooth compatible equipment, you may follow the small purchase procedures. We recommend that you obtain specs and prices from at least three sources prior to making a selection for the equipment.

Kip

Kip Mayton
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TDOT Local Program Development Office
(615) 532-3183
Kip.Mayton@tn.gov

From: Yang Jidong [mailto:yang_j@chattanooga.gov]
Sent: Wednesday, May 09, 2012 9:01 AM
To: Kip Mayton
Subject: Re: PIN: 114321.01 Chattanooga Regional ITS - Bluetooth Application

Kip,

Good morning! Per our prior conversation regarding the installation of Bluetooth equipment for before-and-after evaluation of the upcoming ITS phase I project, the estimated cost would be around \$30,000, which falls in the category of "Small Purchase" according to TDOT's consultant selection policy adopted in 2011. I am attaching this policy here for your reference. On page 2 of the policy, Item E under Definition Section, it stated:

E. Small Purchase Procedures - Small purchase procedures are relatively simple and informal procurement methods where an adequate number of qualified sources are reviewed and the total contract costs do not exceed the simplified acquisition threshold fixed in 41 U.S.C. 403(11) (currently \$100,000.00). Competitive negotiation in the manner of a "Brooks Act" qualifications-based selection procedure is not required.

Please advise if the small purchase procurement procedure can be used for the Bluetooth equipment.

Thanks,

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