



TRAFFIC CONTROL CORPORATION

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7/27/2011

Jonathan P. Nelson, P.E.
Engineer of Traffic
Lake County Division of Transportation
600 Winchester Rd.
Libertyville, IL 60048

RE: Washington Street Trial and Test Project
Bluetooth Travel Time System

Dear Mr. Nelson,
Traffic Control Corporation is submitting this proposal for a trial and test project to achieve arterial travel times using Bluetooth detection.

Locations

The trial and test project will include 8 intersections along the Washington Street corridor.

Methodology

Travel times on the selected corridor will be derived from the detection of Bluetooth signals in an enabled device. The data will be sent through the existing PASSAGE network to the TrafficCast servers for processing. The data will then be made available to the County through the BlueToad / TrafficCast protected client web site. Traffic Cast will coordinate with Declan in terms of the access and data format required to push this information to the PASSAGE website.

Pricing and Terms

The proposed length of the trial is 60 days. Traffic Control Corporation will initially incur the cost of material, labor and bonds are provided by Meade Electric for the duration of the trial. The cost for equipment, labor and bonds included for this trial only per location is \$5,700.00. Additional charges will be included if Meade Electric is required to provide the following items: IDOT Highway Permit Bond would be an additional \$250.00 per location and engineered drawings would be an additional one time charge of up to \$3,000.00 for the entire project corridor. Traffic Control Corporation and TrafficCast will work with Meade to insure proper programming and installation. TrafficCast will provide the data service at no charge during the length of the trial; normal standard fee is \$55.00 per unit on a monthly basis. The County will provide the appropriate IP

addresses for the BlueTOAD units and will be responsible for maintaining the communication network, switches and access to the detectors for TrafficCast. TrafficCast will be responsible for the programming of the actual units and processing all data.

The performance of the trial and test project will be based upon a comparison between the reported travel times versus a floating vehicle travel time study to be performed by the County. BlueTOAD travel time results will be considered a success if they are within 90% of the segment travel times and within two minutes of the overall corridor travel time. If the BlueTOAD travel times are within the definition of a successful deployment and the County decides not to proceed beyond this trial period, the equipment will be removed and an \$850.00 material restocking fee per location will be invoiced by Traffic Control Corporation. If BlueTOAD travel times are not within the definition of a successful deployment, the equipment will be removed without cost to the County.

It is our hope that the following proposal meets with your approval. Traffic Control Corporation and TrafficCast are available to discuss any of these provisions at anytime. Thank you for your time and consideration. We look forward to working with you to a successful program.

Best Regards,

Brian Plum
Traffic Control Corporation