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FRANKLIN  
TENNESSEE

ITEM #7  
CIP  
11-11-10

## MEMORANDUM

October 20, 2010

TO: Board of Mayor and Aldermen

FROM: Eric S. Stuckey, City Administrator  
David Parker, P.E.; CIP Executive  
Eric Gardner, P. E.; Director of Engineering  
Carl Baughman, P.E.; Traffic/Transportation Engineer  
Kevin E. Comstock; ITS Project Manager

SUBJECT: Consulting Services for Project (Contract 2010-0163)  
Central Business District Signal Timing

### **Purpose**

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information to consider a professional services agreement with RPM Transportation Consultants, LLC for the Central Business District (CBD) Signal Timing Project. The purpose of the project is to provide immediate improvement in the operation and safety of the CBD traffic signal network.

### **Background**

In 2002 the City of Franklin commissioned the Downtown Circulation Study that identified many of the improvements the City is currently in the process of constructing. The downtown signals were retimed at that time. No consultant evaluation has been performed on these signals since 2002. The Central Business District Signal Timing Project was intended to be the first stage of a two stage program to time the signals and then update the Downtown Circulation Study.

- Stage One: After completion of the Franklin Corridor and Connector Streets Economic Development Project all 14 signalized intersection would be retimed. This is inclusive of the new signals at Columbia and Fowlkes and the changes at 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> Aves along Bridge St.
- Stage Two: Upon completion of the CBD Signal Timing Project and 3<sup>rd</sup> Ave N extension, a new updated circulation plan is proposed.

TOC staff budgeted for the CBD Signal Timing study in the FY 2011 Operations and Maintenance budget and will request funds in FY 2012 for the Updated Circulation Study

The scope of work proposed under this request is strictly for the CBD Signal Timing per the attached RPM Transportation Consultants proposal. This is a similar scope to the signal timing project in the Cool Springs area in late 2008/early 2009. As part of RPM's scope, there will be a before and after comparison of the timings.

### **Financial Impact**

Tasks 1-7 are proposed for a lump sum of \$79,750 and Task 8 is not to exceed \$12,500 to be billed on an hourly basis. The overall total proposed for this project is \$92,250, although staff considers that the \$12,500 proposed in Task 8 is not needed. \$50,000 was programmed in the Contractual Services line



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item in the Engineering-TOC budget for this project. The remainder of the cost for the contract would come from the Equipment >\$10,000 line item in the Engineering-TOC budget out of the Traffic Signal Upgrade Program.

### **Recommendation**

Completion of tasks 1-7 for this project will complete an upgrade to the traffic signal timing in the downtown area, similar to that which was completed in early 2009 as part of the Cool Springs Signal Timing Project. Staff is of the opinion that the scope of work is clear enough that Task 8 is not needed. Approval of this professional services agreement in the lump sum amount of \$79,750 for completion of Tasks 1-7 is recommended.

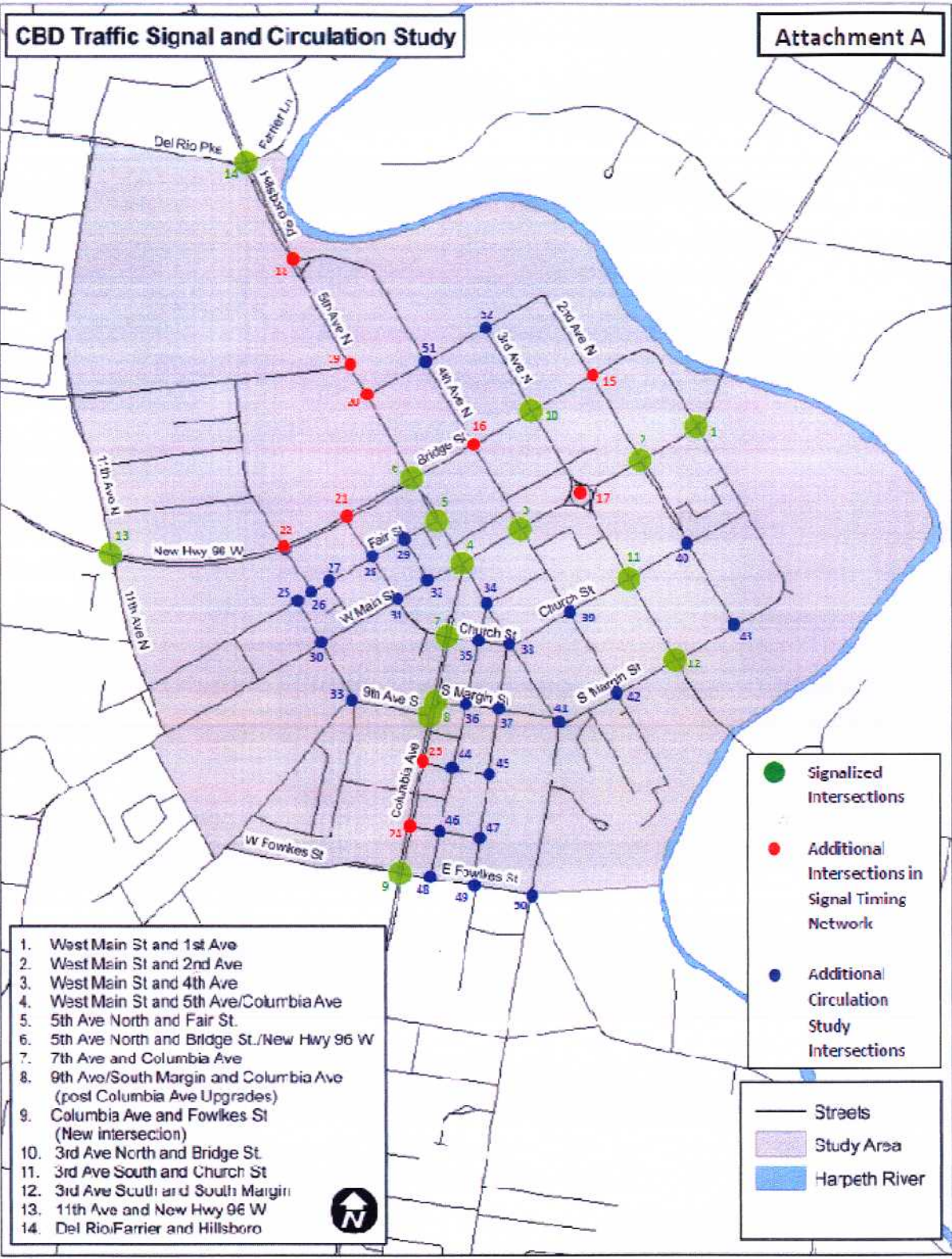


Figure 1; CBD Timing Analysis of Signalized intersections only.