



MEMORANDUM

August 4, 2010

TO: Board of Mayor and Aldermen

FROM: Paul Holzen, Engineering Supervisor
Eric Gardner, Director of Engineering
David Parker, City Engineer/CIP Executive
Eric Stuckey, City Administrator

SUBJECT: Nichol Mill Lane and Mallory Lane Traffic Signal and Intersection Modification Plans

Purpose

The purpose of this memo is to provide BOMA with information to make an informed decision concerning a Professional Services Agreement proposal for the re-design of the traffic signal and intersection modification plans.

Background

The Nichol Mill Lane relocation and signalization project was started several years (2002) ago with the Cool Springs Life Science Center (Biomimetics) Project. As a part of the Life Science Center project, the City committed to provide a relocated Nichol Mill Lane and sought funding help from TDOT for a State Industrial Access (SIA) Road grant. This SIA grant received final approval and execution in May 2003. However, due to the unexpected high costs of rights-of-way (ROW costs exceeding estimated construction costs) and unsuccessful negotiations for the ROW needed from the property ownership of the Sports Academy location, the relocation project was delayed and the SIA grant was rescinded. On April 28, 2009 the BOMA approved the right-of-way acquisitions for the remaining area required for the Nichol Mill Lane relocation and signalization project. In June of 2005 RPM Transportation Consultants completed traffic signal design plans for the proposed intersection. On July 13, 2010 BOMA unanimously passed consideration of resolution 2010-51, a resolution to authorize the construction of the Nichol Mill Lane Improvement Project from Mallory Lane to just west of the Cool Springs Life Science Center. For this project to move forward into the construction phase the plans need to be updated and engineered to meet current City of Franklin standards.

Financial Impact

To date Project Costs are:

Property Acquisitions	\$115,975.00
Title Searches, Appraisals, Recording Fees, etc.	\$ 29,551.00
Professional Services	\$ 80,530.00
<u>Property Acquisitions (Condemnation)</u>	<u>\$675,700.00</u>
Total	\$901,756.00

Remaining estimated Costs are:

RPM Intersection Design Services	\$TBD
Professional Services (Construction Administration)	\$25,000.00
<u>Construction</u>	<u>\$1,330,392.00</u>
Total	\$TBD

Recommendation

Staff recommends approval of the Professional Services Agreement with RPM Transportation Consultants to update the traffic signal design plans.



Via Email: paul.holzen@franklintn.gov

August 9, 2010

Paul Holzen P. E. LEED, AP
City of Franklin
109 Third Avenue South, Suite 142
Franklin, TN 37064

**RE: Mallery Lane and Nichol Mill Road
Franklin, TN**
Subject: Proposal for Engineering Services

Dear Mr. Holzen:

On behalf of RPM Transportation Consultants, LLC, I am pleased to submit this proposal for your consideration for the above referenced project. The following information outlines RPM's understanding of the project as well as the scope of services and compensation associated with RPM providing engineering services for the project.

PROJECT UNDERSTANDING

Roadway construction documents are currently being finalized by Smith Seckman Reid (SSR) for a realignment of Nichol Mill Road from Seaboard Lane to Mallery Lane. Specifically, Nichol Mill Road is being designed to realign and intersect Mallery Lane approximately 500 feet south of its current location. This location coincides with an existing access to Academy Sports and is located opposite an existing access to Cool Springs Galleria. Roadway plans by SSR for this realignment stop approximately 300 feet east of Mallery Lane; however, right-of-way plans have been completed and right-of-way secured for the entire length of the realignment to Mallery Lane.

The purpose of this project is to continue the new typical section design for Nichol Mill Road from the end of the SSR roadway design limits to Mallery Lane and design a traffic signal to be installed at the intersection of Mallery Lane and the new location of Nichol Mill Road. Specifically, the existing Academy Sports access will be modified to include curb, gutter, and sidewalk to match the proposed SSR typical then milled and overlaid. Mallery Lane will also be milled and overlaid for a distance of approximately 150 feet to the north and south of the intersection. The traffic signal at the intersection of Mallery Lane and Nichol Mill Road will be designed to include pedestrian signals. Pavement markings at the intersection will be modified to include stop lines on each approach and crosswalks across each leg of the intersection. Existing curb ramps at each curb return will be designed to meet current ADA standards.

SCOPE OF SERVICES

The RPM team's role is to provide construction documents and bidding assistance for the project. In order to accomplish the objectives for the project, this work is divided into four (4) primary tasks, which are described as follows:

Task 1 - Data Collection and Survey

Base survey and design information for the realignment of Nichol Mill Road by SSR is to be made available to RPM by the City of Franklin. This information will be supplemented by field survey and one-call utility coordination to be conducted by Greg Terry and Associates surveying. This information will be supplemented by record drawings, field observations and measurements by RPM.

Task 2 – Construction Documents

Utilizing base plans obtained in Task 1, RPM will prepare plans and specifications for the project. These plans will conform to current City of Franklin and TDOT standards. RPM will coordinate with City staff throughout the plan development process.

RPM will prepare construction documents and specifications, which are acceptable for bidding purposes. These documents will include typical sections for the continuation of Nichol Mill Road, present and proposed roadway layouts, traffic signal layout, traffic and erosion control plans, as well as notes, details, and estimated quantities. These construction documents will conform to City of Franklin standards and to the requirements specified in the MUTCD. Based on our reviews of the traffic volumes, roadway characteristics, and discussions with the City staff, RPM will determine if special signal phasing or detection will be needed.

This scope of work assumes no right-of-way or easements in addition to those identified in plans prepared by SSR will be necessary to complete the project.

RPM will provide to the client two (2) full-size, bound copies and one (1) digital (.pdf) copy of the plans.

Task 3 – Bidding Assistance

RPM will prepare a bid manual for the project based on City of Franklin standards. RPM will incorporate plans, specifications, and bid forms signed and sealed by SSR for inclusion in the bid manual for the project.

RPM will provide to the client two (2) full-size, bound copies, and one (1) digital (.pdf) copy of the of the bid manual.

Following final approval by the City and permission to proceed with letting, RPM will assist the City with bid opening, bid review, and contractor selection.

Task 4 - Project Coordination, Meetings & Permitting

RPM will conduct preliminary discussions with City staff to discuss design goals and requirements for the signal installation. RPM will coordinate with the City throughout the development of final construction documents. RPM will coordinate with City staff to facilitate review and approval of the final construction documents. RPM will attend meetings as needed. This scope of work assumes the attendance at one (1) meeting during the course of the project.

This scope of work assumes all necessary permits will be obtained by the City of Franklin.

**COMPENSATION**

Compensation for the work specified above is as follows:

Task	Description of Work	Fee
1	Data Collection	1,400.00
2	Construction Documents	\$17,500.00
3	Bidding Assistance	\$4,900.00
Sub-Total (lump sum)		\$23,800.00
4	Project Coordination and Meetings (hourly)	\$3,200.00
TOTAL		\$27,000.00

Work performed for Tasks 1 through 3 will be billed on a lump sum basis. Work performed for Task 4 will be billed hourly according to RPM's standard hourly billing rates and is an estimated not to exceed amount.

ADDITIONAL SERVICES

Any work, other than the scope of services outlined herein, shall be designated additional services. At such time that it is determined that these additional services are required, RPM Transportation Consultants, LLC reserves the right to amend this proposal or execute a separate agreement that will provide such services. Services desired by the client, but not specifically outlined herein, can be provided on an hourly basis in accordance with RPM Transportation Consultants, LLC's standard hourly rates.

In closing, RPM has well established reputation for quality and expertise. We are accessible to the project and committed to your schedule. We appreciate the opportunity to work with you on this project. If you have any questions or need additional information please contact me.

Sincerely,

RPM Transportation Consultants, LLC

Daniel J. Spann, P.E., PTOE