



Date: February 11, 2014

To: Thomas J. Bonfield, City Manager
Through: Keith Chadwell, Deputy City Manager
From: Mark D. Ahrendsen, Director of Transportation
Subject: Agenda Item – #9663 – Follow-up to Questions Asked At Work Session

At the February 6th, 2014 City Council Work Session, Councilmember Don Moffitt asked if Transportation considered alternatives to separate the construction costs of the Martin Luther King, Jr. Parkway and Archdale Drive traffic signal from the installation of the communications cable. Councilmember Moffitt also requested a cost breakdown of the signal installation and communications cable.

Staff isolated the construction costs of the traffic signal and communication cable costs into four alternatives:

1. Install a Traffic Signal with interconnecting communications cable along the corridor from Old Chapel Hill Road to Stratford Lakes Drive - **\$ 219,726.75**;
2. Install a Traffic Signal without communications infrastructure - **\$ 92,175.00**;
3. Install a Traffic Signal with Interconnecting communications cable along the corridor from Old Chapel Hill Road to Archdale Drive - **\$ 142,954.75**; or
4. Do Nothing - **\$ 0.00**

Alternative 1 is recommended. This alternative will permit Transportation to construct the needed traffic signal, synch the signal timing along the Martin Luther King, Jr. Parkway corridor and establish a link for a high speed internet between City Hall and PWOC. Alternative 2 is not recommended due to the proximity of the proposed Archdale Drive traffic signal with respect to the existing traffic signal at Hope Valley Drive. Alternative 3 is not recommended. It would eliminate the potential to synch the signal timing along the corridor from Archdale Drive to Stratford Lakes Drive, and it would eliminate the ability to construct a high speed internet communications link between City Hall and PWOC. Alternative 4 would fail to address all noted issues and is not recommended.

All costs in this response are estimates based on the contractor's bid prices. Transportation would be forced to re-bid the project if Alternatives 2, 3 or 4 were selected due to the loss of economy of the smaller project.