



Date: May 3, 2011

To: Thomas J. Bonfield, City Manager
Through: Theodore L. Voorhees, Deputy City Manager
From: Edward R. Venable, Manager of Engineering and Stormwater
Subject: Use of 2010 Bond Repaving Funds

Executive Summary

On January 10-13, 2011, bids were opened for the 2011 Street Repairs and Repaving contracts and were subsequently awarded by the City Council on February 21, 2011 for a total dollar value of \$16,320,257.20. These contracts consist of pavement repairs, milling, utility adjustments, and repaving for approximately 145 miles of City streets in various locations throughout the City of Durham funded by the 2010 Repaving Bonds. City Council requested that they be consulted on use of the remaining 2010 Bond funds. Public Works requests authorization for the following two uses of the residual 2010 Bond funds. Public Works requests permission to substitute additional streets for repaving in cases where the addition of an adjacent street section would be advisable. The total value of the contracts would remain the same, and streets added would be accounted for by removal of an equivalent dollar value of streets. The removed streets could be added back into the contract at a later date by a contract amendment and increase in the contract amount. The second request for use of 2010 bond funds is for materials, equipment and labor incurred by the City's Transportation Department for thermal paint marking on each of the four (4) repaving contracts in an amount not to exceed \$100,000.

Recommendation

The Administration recommends that the City Council allow the Public Works Department to substitute streets for repaving and to use up to \$100,000 of the 2010 Repaving Bonds for thermoplastic material for striping required in the repaving contracts.

Background

This project involves pavement repairs, milling, utility adjustments, and repaving for City streets. There are approximately 145 miles of street repairs and repaving in the four contracts. Funding for this project comes from the 2010 General Obligation Repaving Bonds. Streets that were scheduled to be repaved under these contracts were determined in advance from a 2007 ITRE study of the City of Durham owned and maintained streets. This study was conducted by a consultant.

With the passage of time since the 2007 ITRE study, streets have continued to deteriorate. The Public Works Department often finds the street conditions now do not always agree with final ITRE ratings from 2007. As each street is analyzed in the field prior to the start of paving operations, additional adjacent streets are found to be as bad as or worse than the streets we are paving. To make best use of the 2010 Bond funds, these streets need to be added to the contracts and repaved as the contractors move throughout the City. Public Works requests permission to substitute additional streets for repaving in cases where the

addition of an adjacent street section would be advisable. The total value of the contracts would remain the same, and streets added would be accounted for by removal of an equivalent dollar value of streets. The removed streets could be added back into the contract at a later date by a contract amendment and increase in the contract amount.

The City of Durham Transportation Department has restriped all repaved roads in the past. It is estimated that \$100,000 total for the four (4) repaving contracts will be needed for the thermal paint markings. Newly repaved streets, if not restriped, can cause safety hazards if left unmarked for large periods of time.

Issues/Analysis

The Public Works Department recommends permission to add additional streets for repaving to the existing contracts providing flexibility to make the best use of the 2010 Bond funds. Use of the City's Transportation Department to perform the thermal paint striping in each of the four (4) repaving contracts will be the most economical method to provide restriping of roads.

Alternatives

The City Council can choose to approve the item in order to allow substitute of additional streets for repaving and charge the thermal painting to be performed by the City's Transportation Department to the 2010 Street Repaving Bond Funds. The City Council can choose to not approve this item and additional streets will not be paved and the thermal striping will not be performed by the Transportation Department and a separate contract will be necessary to complete the restriping.

Financial Impact

These projects have been budgeted as part of the 2010 General Obligation Repaving Bond Capital Improvement project and are authorized by the 2010 Street Repaving Bond Referendum. The existing four (4) repaving contracts will not be increased at this time.

The City's Transportation Department will handle the charges for the thermal painting internally and will charge the 2010 Street Repaving Bonds funds at an estimated total cost not to exceed \$100,000.00. Funds are available in the 2010 Street Repaving Bonds. Funds will be used for materials, equipment and labor to restripe using thermoplastic.

SDBE Summary

This is an update of previously approved projects. It was not reviewed by the Department of Equal Opportunity/Equity Assurance for compliance with the Ordinance to Promote Equal Business Opportunities in City Contracting.