



May 30, 2014

TO: David Parrish, Assistant City Manager

FROM: Ted Partrick, Engineering Manager, Engineering & Inspections Department

SUBJECT: Thoroughfare Sidewalk Design Services
Contract 2005-009
Change Order #5

Summary

The contract 2005-009 has an additional cost that will require approval of a contract change order by City Council. An agenda memo has been prepared for the June 3, 2014, Council meeting as a change order for \$21,890. The change order is to pay for additional work to complete design revisions and prepare record drawings.

Background

On January 14, 2005, City Council approved the award of a design contract to US Infrastructure, Inc., for \$545,812. US Infrastructure has an engineering design office in Greensboro. The design of the original projects, with the addition of the Bessemer Avenue project, was completed by October 2006. Four change orders to the original contract have been approved. The current contract total including the four change orders is \$687,094. The new total contract amount will be \$708,984.

<u>Change Order #1</u>	Add surveying and design for the Bessemer Avenue Sidewalk project.
December 5, 2005	\$40,392
<u>Change Order #2</u>	1) Revise construction drawings for bidding. 2) Prepare “as-built” plans.
June 7, 2011	\$62,600
<u>Change Order #3</u>	Update and revise construction drawings.
August 2, 2013	\$28,570
<u>Change Order #4</u>	Add new containment walls at existing culvert on E. Wendover Avenue.
December 31, 2013	\$9,720

This design contract is for the construction of thirteen sidewalk projects, with a total of 78,600 feet (14.9 miles) of sidewalks along Bessemer Avenue, Cornwallis Drive, Cone Boulevard, Florida Street, O’Conner Street, Lawndale Avenue, Market Street, Vandalia Road, and Wendover Avenue. The projects that remain to be completed are:

Location	From / To	Length	Status
• E. Wendover Ave.	Tucker / Penry	21,800 feet	Under construction
• E. Florida St.	Ashe / Willow	10,600 feet	NCDOT Review
• W. Market St.	Pomona / Walker	3,500 feet	Under construction
• W. Wendover Ave.	Edwardia / Oak Branch	7,600 feet	NCDOT Review

Change Order #5 is necessary to fund the remaining work on the contract. Nine of the eleven projects still require the preparation of record drawings. The two projects still under review will require plan revisions for new NCDOT and NCDENR requirements, and new construction cost estimates. The cost of the change order is based on an estimate of the time and materials needed to complete the work.

The original design contract and the first change order (a new project was added) were funded appropriately for the scope of work at the time of the agreement. The design work was completed by October 2006, within the contract budget, but funding for the construction was not available and the projects were delayed. Transportation successfully obtained federal funding and construction began on the first projects in 2011. Additional costs were incurred on all the projects as a result of changes required to make the projects compliant with new NCDOT specifications, revised NCDENR regulations and permits, updated ADA compliance measures, and improved driveway slope limits. Change orders 2-5 are the results of those additional costs.

THP