



Request for City Council Committee Action From the Department of Public Works

Date: November 29, 2011

To: Honorable Sandra Colvin Roy, Chair, Transportation & Public Works Committee

Subject: **Riverside Avenue Construction – Contract Amendment #1 with Thomas and Sons Construction, Inc.**

Recommendation:

Authorize proper city officers to amend Contract No. C-31040 with Thomas and Sons Construction, Inc. by \$304,123.40 from the current contract amount of \$924,934.00 to a revised contract amount of \$1,229,057.46. The construction contingency, provided as part of the original project budget, is adequate to cover this increase. No additional appropriation is necessary.

Previous Directives:

- June 17, 2011 - City Council and Mayor granted approval of bids for OP# 7453, low bid of Thomas and Sons Construction, in the amount of \$924,934.00.
- May 27, 2011 - Council Resolution 2011R-280 ordered Riverside Avenue Street Lighting Phase 1 Project to proceed and adopted special assessments.
- May 13, 2011 - Council Resolution 2011R-238 ordered Riverside Avenue Phase 1 Reconstruction Project to proceed and adopted special assessments.
- May 13, 2011 - Council Resolution 2011R-239 requested Board of Estimate and Taxation to issue and sell City of Minneapolis bonds.
- April 15, 2011 - Council Resolution 2011R-181 designated the location and streets to be improved in the Riverside Avenue Lighting Phase I Project No. 6746.
- April 1, 2011 - Council Resolution 2011R-142 designated the location and streets to be improved in the Riverside Avenue Reconstruction Phase I Project No 6746.
- January 14, 2011 - Council Resolution 2011R-013 held harmless the State of Minnesota from a variance for the parking lane width requirements.
- December 10, 2010 - Council action approved the layout for Riverside Avenue between Cedar Avenue and Franklin Avenue.
- November 5, 2010 - Council Resolution 2010R-534 directed the City Engineer to proceed with a variance request for the parking lane width requirements.

Prepared by: Larry Matsumoto, P.E., Transportation Maintenance and Repair, 612-919-1148

Approved by:

Steven A. Kotke, P.E., City Engineer, Director of Public Works

Presenters: Michael D. Kennedy, P.E., Director of Transportation Maintenance and Repair

Reviews:	Permanent Review Committee (PRC):	Approval	NA
	Civil Rights Approval	Approval	4/14/09
	Policy Review Group (PRG):	Approval	NA

Financial Impact:

No financial impact

Community Impact:

Neighborhood Notification:

City Goals:

A SAFE PLACE TO CALL HOME: the city's infrastructure will be well-maintained; people will feel safe in the city.

Comprehensive Plan:

Zoning Code:

Background/Supporting Information:

This project reconstructs Riverside Avenue between Cedar Avenue South and Franklin Avenue East. Riverside Avenue is a Municipal State Aid Roadway and is in the City's 2011-2012 Capital Improvement Program. Phase I reconstruction is composed of Riverside Avenue from Franklin Avenue East to 23rd Avenue South (south leg). The purpose of the project is to improve the condition of the deteriorating roadway surface and to improve the design of the street and sidewalks to meet the current and future transportation and land use needs.

The cost estimate for Phase I reconstruction is \$5,210,000. This project will be partially reimbursed by Minnesota State Aid funds. The remaining budget is funded by net debt bonds, assessment bonds and water and sewer revenue.

On June 17, 2011, the City Council and Mayor awarded the bid for the Riverside Avenue Reconstruction Phase I Project to Thomas and Sons Construction for the amount of \$924,934.00. Construction on the roadway began on July 5th, 2011, and the roadway completion is anticipated in November, 2011, with final completion, Spring, 2012.

Additional Work

During work, unsuitable soils were discovered resulting in additional soil corrections necessary to construct the new roadway. This additional work was performed at contract bid price for a total amount of \$51,385.00.

Due to utility conflicts with the installation of catch basin pipes, ductile iron pipe was substituted for PVC pipe when the installed pipes were less than 2.0 feet below the street surface. This additional work was performed at the contract bid price for a total amount of \$63,840.00.

Additional water main work was performed by the contractor, as directed by the Engineer and reimbursed by water revenues. This additional work was performed for a total amount of \$65,600.00.

Supplemental Agreements

Work began on a Supplemental Agreement #1 but this agreement became unnecessary. Therefore, the items requested in this action begin with Supplemental Agreement #2.

Supplemental Agreement #2

During the storm sewer work, MH 2059 needed to be removed and a new 27" storm pipe installed as per construction plans. The Engineer determined that the contractor should perform this work in accordance with the construction plans. This constitutes Extra Work. The Contractor installed 8.3' of 27" RCP at a total amount of \$1,178.60.

Supplemental Agreement #3

During the storm sewer work, a number of existing storm sewer catch basins and pipe were to be removed as a part of an older storm sewer system that is no longer in use, because it was connected to the sanitary sewer. The Engineer also determined that the removal of old storm

sewer system constitutes Extra Work. The contractor performed this work for a total amount of \$2,925.00.

Supplemental Agreement #4

During the completion of water utility work, it was discovered that additional manhole and water pipe work was required for a safe water supply. The contract does not provide for a pay item for this water work. The Engineer determined that the water work was necessary and that it constituted Extra Work. The contractor performed this work for a total amount of \$40,177.06.

Supplemental Agreement #5

During the installation of catch basin pipe work, it was required for some of the pipe to be installed at a minimum cover. Whenever the top of a catch basin pipe is less than 2.0 feet from the final wear surface, ductile iron, class 52 pipe shall be used. The Engineer determined that this was necessary. The work was performed at the negotiated unit cost of \$172.00 per foot for a total amount of \$2,838.00.

Supplemental Agreement #6

In order to complete the water main work an additional access hole at the location of 25th Avenue South and Riverside Avenue was needed. This access was necessary for the Minneapolis Water to complete water main work and to relocate two private water service shut-off valves. The Engineer determined that this work was necessary. The work was performed at the negotiated total amount of \$6,800.00.

Supplemental Agreement #7

During the installation of CB/MH 7007 to MH 2019, it was discovered that the 18" RCP was in conflict with the existing Xcel duct line. To avoid the conflict without a major design change, the Engineer determined that an 18" PVC will be used to replace the 18" RCP to provide the necessary clearance. This work was performed at the negotiated unit price of \$153.00 per foot for a total amount of \$5,202.00.

Supplemental Agreement #8

During the removal of an existing catch basin, a rain leader from the adjacent building that drains into this structure was discovered. It was determined that the rain leader must be relocated to a new structure. The engineer determined that this connection constitutes Extra Work. The contractor relocated the rain leader for a total amount of \$1,828.00.

Supplemental Agreement #9

During the excavation on 8th Street and the installation of the storm sewer, a private fiber optic line was discovered in a different alignment than shown on the plan. This existing alignment of the fiber line conflicted with the proposed curb and gutter. In order to correct this problem, an 18"RCP storm sewer needed to be removed, so the fiber optic line could be installed under it, and the 18" storm sewer replaced. The Engineer determined that this constituted Extra Work. The contractor removed the 18" RCP storm pipe allowing the fiber optic contractor to cross under and then reinstalled the storm sewer for a total amount of \$5,619.80.

Additional work performed, based on increased measured units and paid at the contract unit price, was a total amount of \$56,730.00

cc: Gary Warnberg - Procurement
Don Elwood - Public Works

Mike Kennedy - Public Works
Bob Carlson - Public Works
Chris Engelmann - Public Works
Bill Schroeder - Finance