

COUNCIL COPY

PLANNING & ECONOMIC DEVELOPMENT COMMITTEE

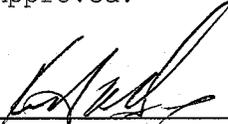
10-0568R

RESOLUTION AMENDING RESOLUTION 10-0455 AWARDING A CONTRACT TO CHARLES BAILEY DBA BAILEY CONSTRUCTION FOR THE 2010 CDBG-ARRA SIDEWALK REPLACEMENT PROJECT, INCREASING THE AMOUNT BY \$24,076.89 FOR A NEW TOTAL OF \$77,131.39.

CITY PROPOSAL:

RESOLVED. that Resolution 10-0455 awarding a contract to Charles Bailey dba Bailey Construction for the 2010 CDBG-ARRA Sidewalk Replacement Project be amended to increase the amount by \$24,076.89 for a new total of \$77,131.39, payable out of CDBG Fund 0262, Agency 025, Object 5434, city project no. 0817TR.

Approved:



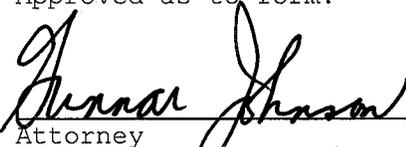
Department Director

Approved for presentation to council:



Chief Administrative Officer

Approved as to form:



Attorney

Approved:



Auditor

CD KH:CF:jle 10/27/2010

STATEMENT OF PURPOSE: This resolution will authorize an amendment to Resolution 10-0455, passed on August 30, 2010, for the 2010 CDBG-ARRA Sidewalk Replacement Project, increasing the contract amount by \$24,076.89, for a new total of \$77,131.39. This increase is due to unknown underground conditions causing extra work at the Superior Street site (\$17,904.14) and the city's Community Development request that the sidewalks be replaced at the Disabled Veteran's Program block along Ramsey Street and 52nd Avenue West, at extra unit cost of \$6,172.75. This increase will be payable out of CDBG Fund 0262, Agency 025, Object 5434, city project no. 0817TR.



City of Duluth

DEPARTMENT OF PUBLIC WORKS/UTILITIES
Engineering Division
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INTRA-DEPARTMENT MEMORANDUM

DATE: November 16, 2010
TO: Keith Hamre, Community Development
FROM: Greg Stoewer, Project Engineer
RE: City Project 0817TR
CDBG-ARRA Sidewalk Replacement & Pedestrian Ramps

During reconstruction of the sidewalks at Superior Street, from 20th Avenue West to 21st Avenue West, extra work exceeded 25% of the Contract amount. A summary of anticipated costs and actual constructed costs is provided.

The original project bid and awarded at \$53,054.50. The scope of work was expanded to the Disabled Veterans Project (DVP) at Ramsey Street and 52nd Avenue West, using Contract Unit Item costs that totaled an extra \$7,908.75. After measuring quantities at both sites, smaller quantities resulted in less Contract Unit Item cost. Unknown underground conditions at the Superior Street site caused extra work not covered by Contract Unit Item costs. This extra work is calculated for cost by using the standard MnDOT Force Account method.

<u>Superior Street bid/Contract</u>		<u>Total</u>
\$53,054.50		\$53,054.50
<u>Superior Street pre-con.</u>	<u>DVP est. cost</u>	
\$53,054.50	\$7,908.75	\$60,963.25
<u>Superior St. adj. Items</u>	<u>DVP adj. Items</u>	<u>Superior St. Extra Work</u>
\$48,935.50	\$6,172.75	\$22,023.14
		\$77,131.39

The extra DVP work added 12% to the Contract. The unknown underground conditions at the Superior Street site added 34% to the Contract.

Superior Street Summary

- Engineer's Project Estimate \$110,250.00
- Next Low Bid \$106,607.50
- Bailey Pay Request (less DVP site) \$ 70,958.64

This work is controversial, because the Bailey Construction (Stillwater, MN) bid much lower than the two local contractors. The resultant work is of the same quality that other recent work done in the City of Duluth.

At the pre-construction meeting, we agreed the work should take about 2 weeks. The work took more than 4 weeks, due to these cumulative items that occurred during the job. Our inspector and I documented the obstacles and delays as they happened. We couldn't stop the work, due to pedestrian safety concerns for the disturbed site.

Extra work occurred during construction, due to unknown underground conditions. They are itemized below.

- Plans called for removal of 4" concrete pavement under the brick pavers. The Contractor used a fork lift on a Bob Cat to lift these pieces up. This pavement was found to be thicker at the corners of the project. Other areas had old Superior Street concrete pavement (8"+) that had to be removed. These areas required jack hammering. 12 hours labor and equipment = \$5,745.
- Parking meters and signs had to be removed and replaced. The meters had a tee bar anchored in the 4" concrete, and the various signs were only anchored in the 4" concrete. They had to be removed during construction and replaced. 2 hours labor and equipment = \$958.
- The wood boardwalk removal did not address the removal of the foundation that the planks were bolted onto. This resulted in extra removal of 80 lineal feet of foundation, requiring jack hammering. 4 hours labor and equipment = \$1,915.
- Two of the tree grates (3'x7') had sank. We requested the removal of the grates and their foundations. 2 hours labor and equipment = \$958.
- One of the overhead light poles had it's electric conduit running horizontally through the 4" pavement. The plan showed it running under the pavement. The conduit and wiring was damaged. 1 hour labor and equipment = \$479.
- The plans do not show the extra detail work needed at the Police station entrance. 2 hours labor and equipment = \$958.
- The bedding material under the pavers were found to be bituminous, instead of sand. This required more time for removal. 23 hours labor and equipment = \$11,011.