City of Birmingham
A Walkable Community

MEMORANDUM

Engineering Department

DATE: **February 13, 2015**

TO: **Joseph A. Valentine, City Manager**

FROM: **Paul T. O'Meara, City Engineer**

SUBJECT: **2015 Concrete Sidewalk Repair Program – Contract 7-15(SW) Contract Award**

On February 13, 2015, the Engineering Department opened bids on the above referenced project. A summary of the bid results is attached.

Six companies submitted bids for this project. The low bidder was RDC Construction Services, LLC, of Southfield, MI with their bid of $311,578.50. The Engineer's estimate was $375,000. RDC Construction Services has not worked on a project for the City of Birmingham in the past. However, they have performed similar work for several other communities. Based on our review of their qualifications and past references, we are confident that they are qualified to perform satisfactorily on this contract.

This year's sidewalk replacement program focuses on Area 5 (south of Maple Rd. and west of Southfield Road/Rouge River) and the southwest quarter of the Central Business District, as shown on the attached map.

This contract also includes a large number of scattered concrete repairs throughout the city, some of which include:

1. Sidewalk, curb, and/or pavement repairs where sewer and/or water services have been installed (to new houses) or upgraded.
2. Repairs where excavation to repair water main breaks have damaged driveways, sidewalks, curb, and/or pavement.
3. Concrete slab replacement on both major & local streets and in alleys where the existing slabs are fractured.
4. Installation of a concrete foundation pad for a new bus shelter located on the south side of E. Maple Road just east of Woodward Avenue.
5. Curb replacement where they have been damaged or are deteriorating.

A map showing the locations of the scattered concrete repairs is attached for your information.
This year's bidding document included two new ideas that we plan to implement from now on with each sidewalk program:

1. Many of the sidewalk sections that are replaced each year, particularly in the residential program area, are due to one section of sidewalk being lifted up compared to the one adjacent. The resulting discontinuity can cause injury to pedestrians. Typically, repairs of these sections would require removal and replacement of one of the two sections of concrete. However, small equipment made for grinding the edge of the higher concrete has become more commonplace and easy to use. When the lifted concrete section has no other damage, more cities are using this practice as a simple way to remove trip hazards. While we expected this attempt to be a cost saver, it was more significant than expected. The low bidder is asking for $1.00 per foot of sidewalk edge ground down to match the adjacent concrete. We are estimating 1,400 l.ft. of such work total, for a total of $1,400. By grinding instead of replacing, we are managing to remove about 6,800 sq.ft. of sidewalk replacement throughout the residential area being focused on. At the current bid price of $5.15 per sq.ft., the cost of traditional replacement would have been about $35,000. While some may feel that grinding the edge leaves a lower quality look to the repaired sidewalk, the resulting savings of $33,600 in one year is substantial.
2. The City and private developers have been installing exposed aggregate sidewalks in the CBD for over 15 years now. It is appropriate to be more proactive about maintaining the walks, so that they will last as long as possible. Due to their more porous surface, it is recommended that exposed aggregate pavements receive a waterproofing sealer treatment every five years or so. Starting this year, our contractor will focus on one quarter of the downtown. In addition to repairing any damaged sidewalks, ALL exposed aggregate areas will be cleaned and sealed to help with longevity. Since the exposed aggregate is a special sidewalk subject to being charged to the adjacent owners, all such waterproofing costs will be charged to the adjacent owners. The price bid by the contractor was lower than expected at 10¢ per sq.ft. All exposed aggregate sidewalks in the southwest quadrant of the downtown will be sealed for an estimated $2,420, which we feel is a worthwhile investment.

The estimated distribution of costs for this project will be assigned as follows:

General Sidewalk	101-444.001-981.0100	$98,873.66
Major Streets Fund	202-449.001-981.0100	39,563.01
Local Streets Fund	203-449.001-981.0100	23,956.05
Alley Fund	101-444.002-981.0100	4,244.06
Sewer Fund	590-536.001-811.0000	49,696.17
Water Main Fund	591-537.004-811.0000	26,194.99
Water Service Fund	591-537.005-811.0000	69,050.56
TOTAL		$311,578.50

Because the bid amounts exceed budgeted amounts for certain accounts, a budget amendment for those accounts will be required as included below in the suggested resolution.

SUGGESTED RESOLUTION:

To award the 2015 Concrete Sidewalk Repair Program, Contract #7-15(SW) to RDC Construction Services, LLC, of Southfield, MI, in the amount of $311,578.50, to be charged to the various accounts as detailed in the report; and further to approve the appropriations and budget amendments as follows:

Major Street Fund

Revenues:	
Draw from fund balance #202-000.000-400.0000	$ 15,000
Total Revenue Adjustments	$ 15,000
Expenditures:	
Public Improvements #202-449.001-981.0100	$ 15,000
Total Expenditure Adjustments	$ 15,000

Water Fund

Revenues:	
Draw from net assets #591-000.000-400.0000	$ 66,000
Total Revenue Adjustments	$ 66,000
Expenditures:	
Other Contractual Services #591-537.004-811.0000	$7,000
Other Contractual Services #591-537.005-811.0000	$59,000
Total Expenditure Adjustments	$ 66,000

CITY OF BIRMINGHAM

2015 CONCRETE SIDEWALK REPAIR PROJECT

CONTRACT #7-15(SW)

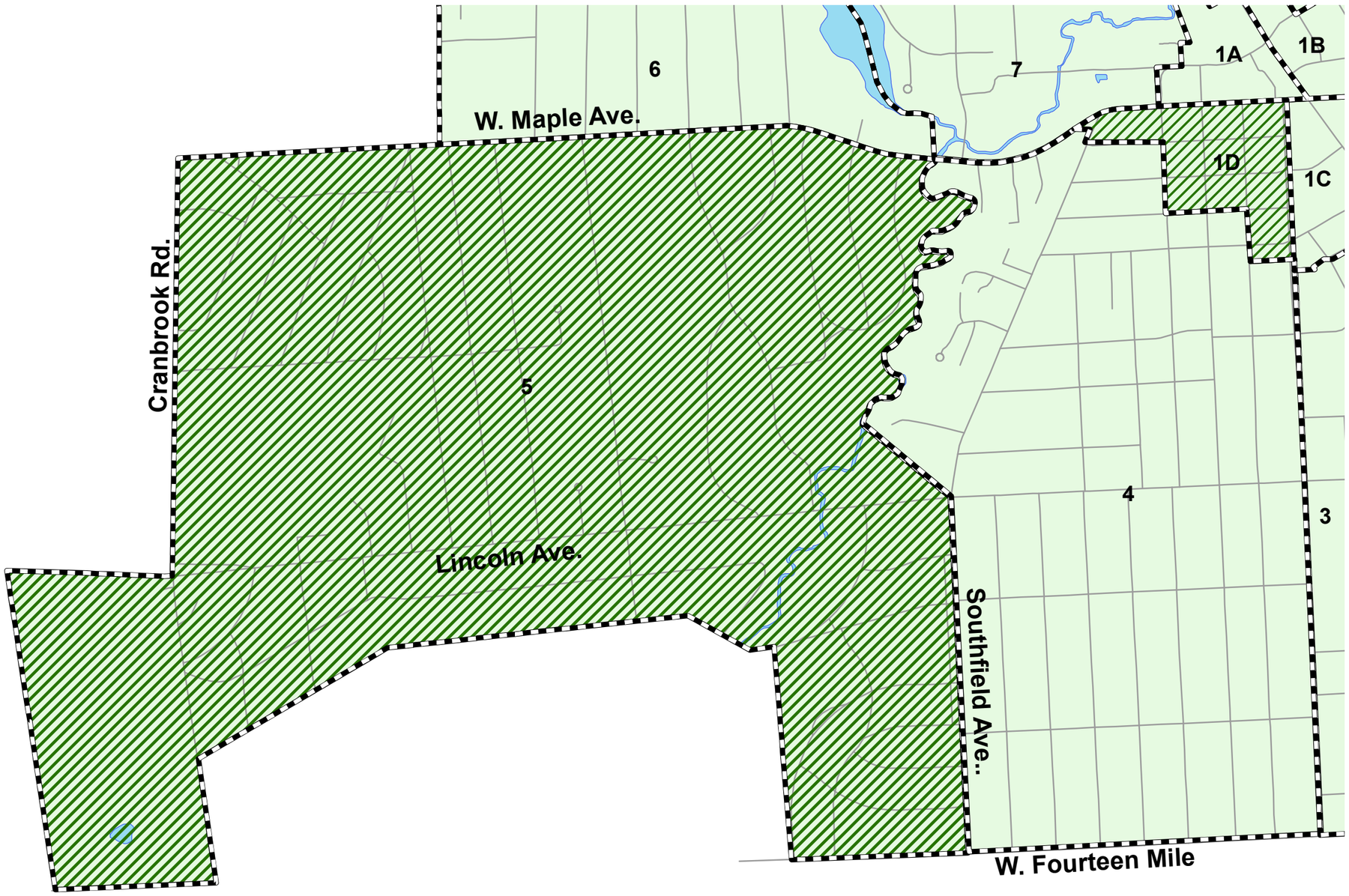
BID SUMMARY

February 13, 2015 - 2:00 PM

Company Name	Addendum No. 1	5% Bid Security	Total Bid
RDC Construction Services, LLC	X	Bond	$320,811.50*
CMV Landscape & Equipment Co.	X	Check	$349,277.00
Luigi Ferdinandi & Son Cement Co.	X	Bond	$370,625.00
Fiore Enterprises, LLC	X	Bond	$445,200.00
Lacaria Concrete Construction, Inc.	X	Bond	$583,430.00
Audia Construction, Inc.	X	Bond	$642,880.00
* = Adjusted by Engineering Dept.			

City of Birmingham
A Walkable Community

2015 SIDEWALK REPAIR PROGRAM AREAS MAP



N

0 450 900 1,800 Feet

1 inch = 847 feet

Disclaimer: The information provided by this program has been compiled from recorded deeds, plats, taxmaps, surveys, and other public records and data. It is not a legally recorded map or survey.

The data provided hereon may be inaccurate or out of date and any person or entity who relies on said information for any purpose whatsoever does so solely at his or her own risk.

Data Sources: Oakland County GIS Utility, City of Birmingham