



TO: Michael C. Van Milligen, City Manager

FROM: Gus Psihoyos, City Engineer

DATE: June 30, 2014

SUBJECT: SRF Green Alley Bid Set 5 – Year 1
(CIP 7102450)

INTRODUCTION

The enclosed resolutions authorize the public bidding procedure for the SRF Green Alley Bid Set 5 – Year 1 Project.

BACKGROUND

Construction of permeable paver alleys will reduce the volume and peak flow of runoff to the Mississippi River while also reducing the pollutant load associated with stormwater runoff. As part of the restructuring of the State Revolving Fund (SRF) loan with the Iowa Department of Natural Resources, \$9.4 million was allocated to reconstruct 73 alleys in the Bee Branch Watershed. These alleys are to be reconstructed over the next two years. The alleys were originally going to be designed and constructed over a three year period. These alleys are now going to be reconstructed over a two year period to satisfy the Iowa Finance Authorities original SRF loan timeline.

To accomplish this, the alleys that were originally slated as year 1 and year 2 alleys, will be constructed or under contract this year. This will include approximately 48 alleys.

DISCUSSION

Bid Set 5 – Year 1 will involve the reconstruction of two alleys in the Bee Branch Watershed. The alley locations are as follows:

- Alley from 24th Street to 25th Street (Between Central Avenue and White Street)
- Alley from 24th Street to 25th Street (Between White Street and Jackson Street)

This project will reconstruct the fifth set of alleys in year 1 for the SRF Green Alleys in the Bee Branch Watershed. Currently, there are 18 alleys under contract. Of these 18 alleys, 7 alleys are under construction. Additionally, 8 additional alleys are in the process of being bid as part of the original year 2 alleys. The Engineering Department and three

private consulting firms are working on the design and construction documents for the remainder of the alleys. Additional construction bid sets will be developed in 2 to 10 alley groupings. This year's alley reconstructions include no utilities, except sewer manhole repairs where the project affects them.

The reconstruction of the alleys will include:

- Removal of the existing alley pavement
- Excavation of the subgrade to allow the placement of clean washed stone for a storage medium
- Installation of a concrete border for the brick pavers
- Installation of concrete headers at the alley intersection with the intersecting streets.
- Reconstruction of the pavement surface with interlocking concrete pavers

This project will reconstruct the alleys into green alleys. These alleys allow rainwater to infiltrate into the pavement rather than runoff into the storm sewers. This infiltration allows for filtering of the water and recharge back into the aquifer. Monitoring wells are also planned to be installed so that water quality improvements can be documented.

The project construction documents will follow the Statewide Urban Design and Specifications (SUDAS) in the development of the construction documents.

The Iowa Department of Natural Resources (IDNR) have reviewed and approved the plans so the City cost can be covered with SRF funds.

This project will have special assessments.

PROJECT SCHEDULE

The schedule for the project is as follows:

Initiate Public Bidding Process		July 7, 2014
Publish Notice to Bidders, Advertise for Bids		July 11, 2014
Publish Public Hearing Notice on Plans & Specs & Assessments		July 18, 2014
Mail Special Assessment Notice to Property Owners		July 11, 2014
Publish Notice of Special Assessment:	1 st Publication:	July 11, 2014
	2 nd Publication:	July 18, 2014
Public Hearing on Plans & Specs, Spec Assessments		August 4, 2014
Receipt of Bid Proposals (Bid-Letting)		August 7, 2014
Award Construction Contract		August 18, 2014
Project Completion Date		November 15, 2014

RECOMMENDATION

I recommend that the City Council give preliminary approval to the construction plans and specifications and approve the Resolution of Necessity, approve the Preliminary Schedule of Assessments, establish August 4, 2014, as the date of the public hearing, and hereby authorize the City Clerk to advertise for bid proposals for the SRF Green Alley Bid Set 5 – Year 1 Project.

BUDGET IMPACT

The estimate of probable cost for the SRF Green Alley Bid Set 5 – Year 1 Project is as follows:

	<u>Estimate</u>
Construction Contract	\$ 111,104.50
Contingency	11,110.45
Construction Engineering & Inspection	<u>16,665.68</u>
Total Project Cost	<u>\$138,880.63</u>

The project funding summary is as follows:

<u>CIP No.</u>	<u>Fund Description</u>	<u>Fund</u>	<u>Amount</u>
7102450	SRF Green Alley Project	\$ 121,490.57	
	Special Assessment – Alley Improvement, Residential	16,859.26	
	Special Assessment – Alley Improvement, Commercial	530.80	
	Total Project Funding	<u>\$138,880.63</u>	

PROPERTY ASSESSMENTS

Low- to moderate-income property owners subject to street assessment will be eligible for financial assistance ranging from 20 to 100 percent of the street assessment for the owner-occupied resident property depending on family size and income level. This financial assistance program is made available through the One Percent Local Option Sales Tax. City staff will review and process financial assistance applications for owner occupied properties once final costs are developed for the project. The interest rate for unpaid balances has recently been reduced from 9% to 3%. Any unpaid balances are also paid for over a 15 year term.

The average assessment based on the engineers estimate, including contingency and engineering is \$790.46.

Attached is the financial assistance chart that the City uses in determining financial aid availability for your reference. This chart is updated every year based on the US Department of Housing and Urban Development (HUD) guidelines.

PUBLIC OUTREACH

Engineering Department staff sent letters and Bee Branch Creek brochures to all affected property owners informing them of the project. The letters list the Engineering Staff email addresses and phone numbers to allow for questions and comment.

City staff and the contractor will work with property owners to accommodate access to their property as much as possible during the construction phase. Also, city staff will answer special assessment questions and process financial assistance requests as they are received.

REQUESTED ACTION

The City Council is requested to give preliminary approval to the Resolution of Necessity, approve the Preliminary Schedule of Assessments, establish the date of the public hearing, and authorize the City Clerk to advertise for bid proposals through the adoption of the enclosed resolutions for the SRF Green Alley Bid Set 5 – Year 1 Project.

Prepared by Jon Dienst, PE

cc: Jenny Larson, Budget Director

Don Vogt, Public Works Director

John Klostermann, Street & Sewer Maintenance Supervisor

Deron Muehring, Civil Engineer II

Denise Ihrig, Environmental Engineer