


TO: Michael C. Van Milligen, City Manager
FROM: Gus Psihoyos, City Engineer 
DATE: April 13, 2015
SUBJECT: SRF Green Alley Bid Set 1 – Year 3
(CIP 7102450)

INTRODUCTION

The enclosed resolutions authorize the public bidding procedure for the SRF Green Alley Bid Set 1 – Year 3 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. To date, 23 alleys have been reconstructed under this program. Another 27 alleys are currently under contract ready for spring 2015 construction. An additional 26 alleys are planned for bidding and construction in 2015. This bid set includes 6 alleys. This brings the total remaining alleys to be designed and bid to 20.

DISCUSSION

Bid Set 1 – Year 3 will involve the reconstruction of six alleys in the Bee Branch Watershed. The alley locations are as follows:

- Alley between White St. and Jackson St. from 16th St. to 17th St.
- Alley between White St. and Jackson St. from 18th St. to 19th St.
- Alley between White St. and Jackson St. from 19th St. to 20th St.
- Alley between White St. and Jackson St. from 20th St. to 21st St.
- Alley between White St. and Jackson St. from 21st St. to 22nd St.
- Alley between Jackson St. and Washington St. from 18th St. to 19th St.

This project will reconstruct the first bid set of green alleys slated for year 3 in the Bee Branch Watershed. This bid set was developed by City of Dubuque Engineering staff.

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
- Lining of the sanitary sewer main in six alleys
- Inspection of sanitary sewer laterals in six alleys
- Replacement of water main valves and hydrants
- Replacement of lead water services with copper water services in six alleys

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 that 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	April 20, 2015
Publish Notice to Bidders, Advertise for Bids	April 24, 2015
Publish Public Hearing Notice on Plans & Specs & Assessments	April 24, 2015
Mail Special Assessment Notice to Property Owners	April 24, 2015
Publish Notice of Special Assessment: 1 st Publication:	May 1, 2015
2 nd Publication:	May 8, 2015
Public Hearing on Plans & Specs, Spec Assessments	May 18, 2015
Receipt of Bid Proposals (Bid-Letting)	May 21, 2015
Award Construction Contract	June 1, 2015
Project Completion Date	November 1, 2015

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 May 18, 2015, 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 1 – Year 3 Project.

BUDGET IMPACT

The estimate of probable cost for the SRF Green Alley Bid Set 1 – Year 3 Project is as follows:

	<u>Estimate</u>
Construction Contract	\$ 1,098,440.00
Contingency	109,844.00
Construction Engineering & Inspection	<u>181,242.60</u>
Total Project Cost	<u>\$1,389,526.60</u>

The project funding summary is as follows:

<u>CIP No.</u>	<u>Fund Description</u>	<u>Fund Amount</u>
7102450	SRF Green Alley Project	\$ 705,706.87
7402526	SRF Green Alley - Water	230,730.94
7102450	SRF Green Alley Sanitary Sewer (FY 16)	357,236.00
	Special Assessment – Alley Improvement, Residential	59,210.35
	Special Assessment – Alley Improvement, Commercial	25,053.84
	Special Assessment – Residential Deficiency	0.00
	Private Lead Water Service Replacement	11,588
	Total Project Funding	<u>\$1,389,526.00</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 over \$500 has recently been reduced from 9% to 3%. Any unpaid balances over \$500 are also paid for over a 15 year term.

The average public improvements assessment based on the engineers estimate, including contingency and engineering is \$859.84. Additionally, some property owners

(12) will have to replace lead water services. The average preliminary cost for each homeowner with a lead water service will be an additional \$965.67.

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 have met with most of the businesses along these alleys. Engineering staff will meet with the remaining businesses before the public hearing. Brochures and letters will be sent to all of the residential properties on April 24th. Engineering staff and Bee Branch Communication Specialist Kristin Hill will follow up with any questions from residents.

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 1 – Year 3 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
Bob Green, Water Department Manager
Brant Schueller, Water Distribution
Ken TeKippe, Finance Director