



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: 5.n

Title:

Recommendation to Approve Construction Contract for Pavement Rejuvenation

Presenter:

Karen Young

Meeting: Government Services Committee

Date: May 29, 2018

Proposed Cost: \$131,247.48

Budgeted Amount: \$140,000.00

Not Budgeted:

Executive Summary *(if not budgeted please explain):*

Historically the City’s street maintenance program has consisted of a limited number of strategies that attempt to address a variety of maintenance considerations on a number of different pavement types, ages and conditions. In order to maintain the longevity of our pavements and to leverage the funding available it is important to have a holistic pavement management approach that includes a combination of pavement maintenance, rehabilitation and reconstruction. Roadway pavements that are repaired when they are in good condition will cost less over their lifetime than streets that are allowed to deteriorate to a poor condition, which require resurfacing or reconstruction.

In 2017 the City is began to expand the types of pavement strategies used to maintain our roadway pavements with the understanding that it is important to choose the right treatment, for the right road and the right time. We categorized our roadway work into three categories, which are defined below:

1. **Preventative Maintenance** – Lower-cost treatments that are completed on newer roadways to retard the road’s deterioration, maintain or improve the condition, and extend the pavement service life. Timely preventative maintenance can be 4 to 5 times more cost effective than delaying maintenance until resurfacing is needed. Currently the City is completes the following work in this category: Bituminous Spray Patching, Permanent Bituminous Patching, Temporary Patching and pavement rejuvenation.
2. **Rehabilitation** – Typical grind and overlay program (2018 Street Program)
3. **Reconstruction** – Highest cost option where the streets are beyond preventative or rehabilitation type maintenance. Historically the City has only completed traditional reconstruction, but in 2017 introduced the Full Depth Reclamation process.

2018 Pavement Rejuvenation – In 2017 staff implemented a Pavement Rejuvenation program into to our pavement maintenance strategies, which is a spray on application that protects the roadway from weather or sun damage that can cause the pavement to become dry and brittle. Ideal roadway candidates are 0-5 years old. This application is being used by Kane County and many other local agencies. In 2017 we were able to complete streets that were resurfaced in 2014 and 2015. In 2018 Staff is proposing to complete the streets that were resurfaced in 2016 and 2017, which are shown on the attached location map.

The Pavement Rejuvenation work was bid out by Kane County earlier this year and they have a provision in their contracts to allow the local agencies to contract with their vendor at the same unit prices. Bids were received from two bidders with the unit prices for Corrective Asphalt Materials coming in at \$0.86/sy, with staff negotiating with them further and reducing the unit cost to \$0.84/sy. The second bidder was non-compliant and rejected by Kane County.

Attachments *(please list):*

* 2018 Pavement Rejuvenation Location Map

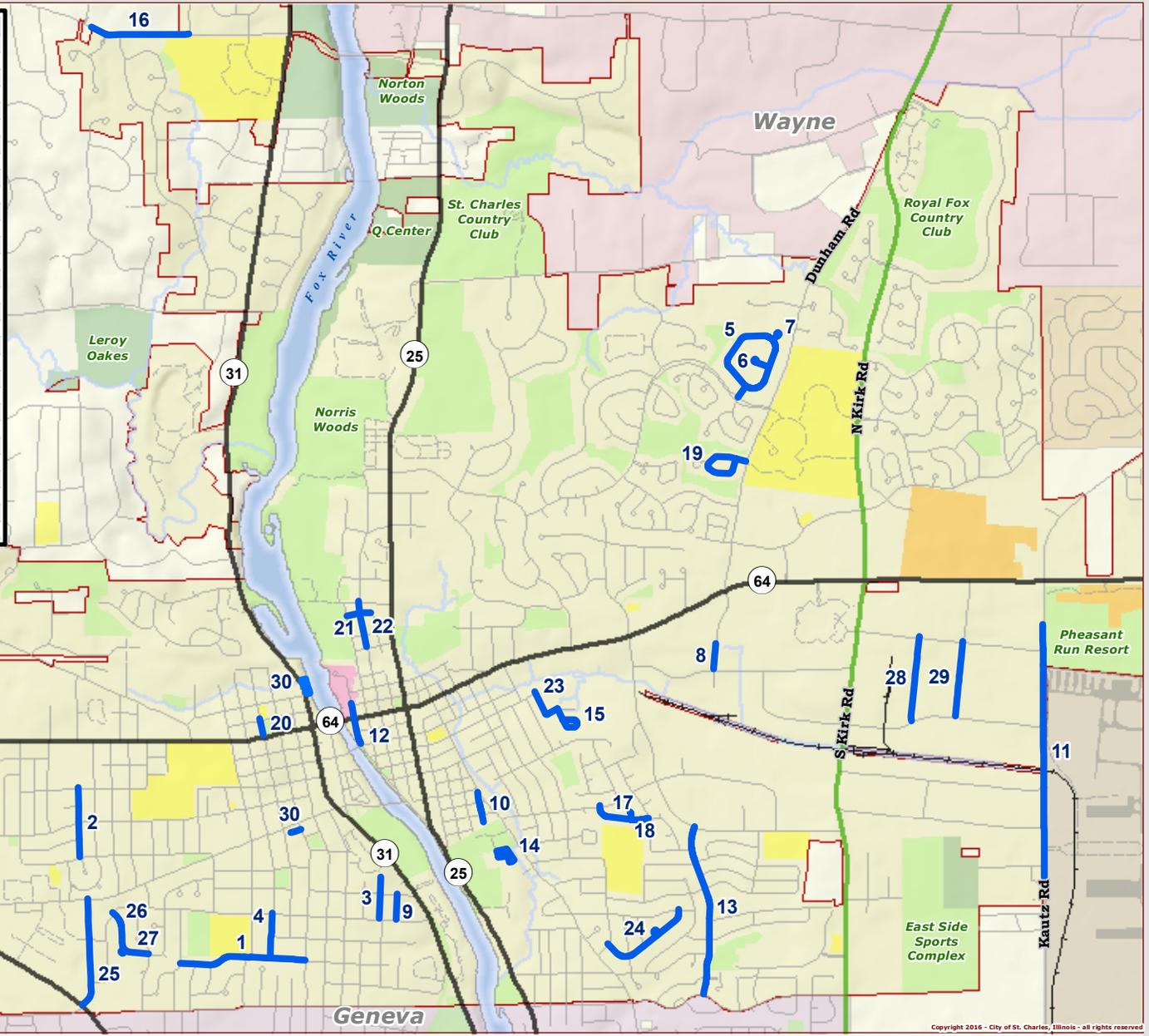
Recommendation/Suggested Action *(briefly explain):*

Recommendation to Approve Construction Contract with Corrective Asphalt Materials for the 2018 Pavement Rejuvenation Project in the amount of \$131,247.48.



2018 Rejuvenation Program

Map #	Location Name	Limits
1	Fellows Street	S 10th St to S 4th St
2	S 15th Street	Howard St to Indiana St
3	Ash Street	Horne St to Horne St
4	S 6th Street	Fellows St to Horne St
5	Highgate Course	Entire Road
6	Highgate Court	Highgate Course to End
7	Highgate Cul-de-sac	Highgate Course to End
8	Industrial Drive	Production Dr to 500' North
9	Pine Street	Horne St to Mosedale St
10	Van Buren Avenue	South end to north end
11	Kautz Road	City limits to Target entrance
12	Riverside Avenue	Illinois Ave to Cedar Ave
13	South Tyler Road	Division St to Tyler Rd
14	Public Work Parking Lot	Portion of parking lot
15	IDOT Garage	
16	Red Gate Road	West corp limit to Meadow View Dr
17	Banbury Avenue	Madison Ave to Independence Ave
18	Banbury Court	Banbury Ave to end
19	Dunham Place	All
20	N 5th Street	W Main St to Cedar Ave
21	Bent Avenue	N 2nd Ave to N 4th Ave
22	N 3rd Avenue	Park Ave to North Ave
23	S 14th Avenue	Indiana Ave to IDOT Garage
24	Pleasant Avenue	S 13th Ave to Jewel Ave
25	S 14th Street	Prairie St to Route 38
26	S 13th Street	Horne St To Fellows St
27	Fellows Street	S 13th St to S 12th St
28	37th Avenue	Ohio Ave to Illinois Ave
29	38th Avenue	Ohio Ave to Illinois Ave
30	4th Street Alley	4th St to the West - S of Prairie St



Copyright 2016 - City of St. Charles, Illinois - all rights reserved



Publication Date: May 16th, 2018
 Data Source: City of St. Charles, Illinois
 Base County: DuPage County, Illinois
 Projection: Transverse Mercator
 Coordinate System: Illinois State Plane East
 North American Datum 1983
 Scale: 1:25,000



0 0.125 0.25 0.5 Miles

— Rejuvenation Program Locations

This work was created for planning purposes only and is provided as is, without warranty of any kind, either expressed or implied. The information represented may contain proprietary and confidential property of the City of St. Charles, Illinois. Under United States Copyright protection laws you may not use, reproduce, or distribute any part of this document without prior written permission. To obtain written permission please contact the City of St. Charles at Two East Main Street, St. Charles, IL 60174.

