

AGENDA ITEM # _____

DATE: 3/16/2015

COAC NUMBER: 15-5555

**CITY OF GOODYEAR
CITY COUNCIL ACTION FORM**

SUBJECT: Approve a budgeted expenditure of \$1,000,000.00 to complete micro-surfacing and slurry seal pavement preservation treatments on City streets.

STAFF PRESENTER: Ron Sievwright
COMPANY: Southwest Slurry Seal & ViaSun Corporation
CONTACTS: Darrin Olson – SW Slurry
Zach Figueroa – ViaSun

RECOMMENDATION:

Approve a budgeted expenditure not to exceed \$1,000,000.00 to complete micro-surfacing and slurry seal pavement preservation treatments on City streets.

PURPOSE:

Approval of this expenditure allows the City enter into a contract with Southwest Slurry Seal, Inc. for slurry seal and ViaSun Corporation for the micro-surfacing. By approving this project, the pavement of City roadways will be preserved with lower cost pavement preservation treatments.

BACKGROUND AND COMMUNITY BENEFIT:

During the Fall of 2014 approximately 300,000 square yards of neighborhood streets were treated with a high density mineral bond product. The roadways that were treated included roadways within the Goodyear Ballpark complex and neighborhoods in Estrella, Palm Valley, Pueblo Verde, and Sarival Paseo. These projects were very successful in the preservation of these neighborhoods. Staff received excellent feedback from the residents through community outreach meetings on in the field. Staff monitored the project closely and provided assistance to the residents as needed.

Proposed Spring 2015 pavement management projects are included in the attached exhibit, and focus on preservation projects that will preserve the condition of roadways with lower costs treatments.

A description of each treatment type is also provided below:

1. Micro-surfacing– A mixture of polymer-modified emulsified asphalt, mineral aggregate, mineral filler, water, and additives that is mixed in specialized, compartmented, self-powered trucks and placed on the pavement using an augured screed box. Micro-surfacing is commonly used on arterial and collector roads, and is effective at correcting or inhibiting raveling and oxidation of the pavement surface, improving surface friction, sealing the pavement surface, and filling minor surface irregularities and wheel ruts up to 1.25 inches deep. Micro-surfacing typically lasts 5 to 7 years.

2. Slurry Seal – A mixture of crushed, well graded aggregate (fine sand and mineral filler) and asphalt emulsion that is spread over the entire pavement with a spreader box attached to the back of a truck. Slurry seals are commonly used in neighborhoods and are effective in sealing low-severity surface cracks, waterproofing the pavement surface, and improving skid resistance at speeds below 30 MPH. Slurry seal typically lasts 5 to 7 years.

At this time, Council approval is requested for Spring 2015 micro-surfacing and slurry seal projects. The slurry seal projects will utilize a rubberized material that will be applied by Southwest Slurry Seal. The roadways that will be treated include roadways within the neighborhoods in Centerra, Estrella Vista, Cotton Flower, and Canyon Trails. The micro-surfacing projects will utilize a rubberized material that will be applied collector and arterial roadways. The roadways that will be treated are Virginia Avenue, Encanto Boulevard, Indian School Road, Palm Valley Boulevard and Pebble Creek Parkway.

PREVIOUS ACTIONS AND DISCUSSION:

On March 17, 2014 and August 25, 2014, the City's pavement management consultant, APT, presented an update on their pavement management project at which time treatment strategies and funding recommendations were discussed.

An Invitation for Bid was advertised in January, and three contractors submitted bids on February 18. Southwest Slurry Seal, Inc. was the lowest responsive bidder for slurry seal, and ViaSun Corporation was the lowest responsive bidder for micro-surfacing.

There has been no Council action taken on this project to date.

FISCAL ANALYSIS:

The necessary funds for these projects are in the in available within the Engineering Department's operating budget.

ATTACHMENTS:

Contract 1: Southwest Slurry Seal (CON-CX-3203A-15)
Contract 2: ViaSun Corporation (CON-CX-3203B-15)
Spring 2015 Project Map