Ivins City Staff Report
City Council Meeting 3/21/2019

Agenda Item: Approval of expenditure for 2019 streets pavement maintenance

Submitted by: Thomas J. Jorgensen, P.E., Assistant Public Works Director

Recommended City Council Action:
Approve expenditure of $257,101.87 for 2019 streets pavement maintenance plus an additional $12,000 for contingency for a total of $269,101.87

BACKGROUND:

Staff has identified 1,738,210 square feet (sqft) of streets and 45,645 sqft of trails that need pavement maintenance this year. In addition to maintenance, 600 W, between Center Street and about 400 S, will receive an application of double chip seal as an improvement to the existing dirt road (approximately 43,855 sqft). This project will be included in with the pavement maintenance to hopefully get better pricing for both projects. The funding for 600 W will not come from the pavement maintenance funds, but the Street Gap Fill funds budgeted for this year. This year Staff is recommending using three different types of materials for our pavement maintenance program: Slurry Seal; Cape Seal (consists of a slurry seal over a chip seal); and Premium Seal Coat.

All three products are effective treatments for protecting asphalt streets from deterioration from sun and water while providing a renewed skid resistant wearing surface. A premium seal coat treatment provides an extended life of approximately 5-10 years, but should only be applied to roadways that are in good to excellent condition. Both the slurry seal and cape seal treatments provide an extended life of approximately 5-7 and 5-8 years, respectively. Slurry seal and cape seal treatments are more suitable for roadways that don't meet the condition requirements of the HDMB treatment. A cape seal is often more suitable for streets with even more deterioration and/or streets with higher traffic volumes, where just a slurry seal wouldn't be a good candidate.

Staff has inspected the streets to receive treatment this year and has determined which treatments are most suitable for each street section; Premium Seal Coat (approx. 497,516 sqft), Chip Seal (approx. 212,006 sqft), and Slurry Seal (including all chip seal roads) (approx. 1,028,688 sqft). It should be noted that the Cape Seal was bid as its separate components, a chip seal and slurry seal. In addition to this, 45,645 of trails will receive the premium seal coat treatment. A map has been attached showing which streets and trails are to receive which treatment.

FINDINGS AND ANALYSIS:

Bids were received from several companies for the slurry seal chip seal. A summary of these bids is provided below:

Bid Schedule - Slurry Seal

Bid	Company	Total Bid	Notes
1	American Pavement Preservation (Las Vegas, NV)	$176,178.55	Apparent Low Bidder
2	Morgan Pavement Maintenance (Clearfield, UT)	$210,173.56	
3	M&M Asphalt (West Jordan, UT)	$186,104.10	

Bid Schedule - Chip Seal

Bid	Company	Total Bid	Notes
1	Staker & Parson Co. DBA Western Rock Products	$80,923.32	Apparent Low Bidder
2	CKC Field Services DBA CKC Asphalt	$83,920.48	
3	Mel Clark, Inc.	$89,914.80	

The apparent low bidder for the slurry seal was American Pavement Preservation and for the chip seal was Staker & Parson Co. DBA Western Rock Products. Staff therefore recommends awarding of the project to these contractors. Staff requests that the Council approve this expenditure.

We also have estimates for the premium seal coat products. Staff is still reviewing these estimates and will have a recommendation to Council in the first meeting in April.

It should also be noted that several of these roadways that are receiving treatment will need to be restriped. An estimate for restriping will be requested and will also be included as a recommended expense at the first council meeting in April.

SUPPORT MATERIALS:
Project Map – 2019

FINANCIAL IMPACT:
GL Code: Street Funds: 10-60-515: $245,420.17
GL Code: Street Gap Fill Funds: 49-40-710: $23,681.70

Respectfully Submitted:

Thomas J. Jorgensen, P.E., Assistant Public Works Director

Content Review:

Dale Coulam, City Manager