

September 30, 2024

To: Mr. Stevie Cox, City Manager

From: Rick Austin, PE, Abbotts Creek Engineering



**Subject: Resurfacing Program**

To keep the Powell Bill account below the maximum allowed balance will require spending approximately \$ 175 k before the end of this budget year. Stated differently, the estimated account balance on 3/1/2025 is \$175k above cap. This will result in a warning letter in February of next year. A program amount to not receive warning letter around 2/26 would require an estimated balance of \$225k below the cap on 7/1/25. For this to occur, the FY 25-26 funds would need to be spent or a total of \$400k.

Current costs of resurfacing using last contract prices is about \$50/lf for a curbed street and a ribbon section about \$40/ lf. \*

The minimum PROGRAM LENGTH to stay below the cap this FY:

For a \$200k target project, **5,000 LF** for ribbon or **4,000 LF** for curb and guttering streets of resurfacing needs to be programmed. Since whole streets and preferably whole small subdivisions need to be done at the same time, grouping streets for annual programs can be difficult to match the funding and meet the required expenditures.

<b>Location</b>	<b>type</b>	<b>length</b>	<b>cost</b>	<b>estimate</b>
Stone Gables	guttered	2,172 lf	\$50/LF	\$109K.
Siler St. phase 1	ribbon	1,308 lf	\$40/LF	\$ 53K
Colonial Village	guttered	4,851 ft	\$50/LF	\$243K
<b>Total</b>				<b>\$405K</b>

I could reach the minimum by re-ordering the priorities, but this is a good match for the work required by the end of the next budget cycle. By proceeding, we will eliminate the future necessity meeting the end of budget deadline each year.

I recommend that this work be authorized at the October City Council meeting for award early in 2025. Half of this work must be finished by 7/1/2025 to stay below the maximum account balance.

\*Starting with the latest bid price of \$146.26/ton and an application rate for an 1 1/2" overlay and 150 pounds per cubic foot of asphalt is \$12.09 per sy plus \$2.45 sy for straight seal the costs of resurfacing per sy is \$14.54. I am using a price of \$10/ sy for edge grinding and \$500 / ea. per utility adjustment. The largest profiler grinding head is 40 inches wide, so doing both side I'm using a square yard per foot. For a 22-foot-wide street and 1 1/2" resurfacing the calculation for each foot of street equals 22 ft. /9 sq ft/sy of street is 2.45 sy/LF or \$35.55 per foot for just the asphalt for resurfacing. With everything included, a curb and guttered section will cost \$50/foot of street and a ribbon about \$40.