



Legislation Text

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TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
Mark Hilty, Assistant City Administrator - Public Works
Steve Grubb, Assistant Street Director
William Banks, Staff Engineer

SUBJECT:
Presentation on the Street Department's Pavement Preservation Program

Purpose

The purpose of this memorandum is to provide information to the Franklin Board of Mayor and Aldermen (BOMA) concerning the City's exploration in to pavement preservation.

Background

Pavement preservation represents a proactive approach in maintaining our existing roads. An effective pavement preservation program will address pavements while they are still in good condition and before the onset of serious damage/deterioration. By applying a cost-effective treatment at the right time, the pavement is restored almost to its original condition. The cumulative effect of systematic, successive preservation treatments is to postpone costly rehabilitation and reconstruction. During the life of a pavement, the cumulative costs of pavement preservation treatments are substantially less than the more extensive, higher costs of full roadway reconstruction, and generally more economical than the cost of major rehabilitation.

Financial Impact

Example Pavement Preservation Program projects and respective budgets:

- Fiscal Year 2016/2017 - The City spent approximately \$24K (State Street Aid Fund) for a Pavement Preservation trial project using HA-5 High Density Mineral Bond, a high-quality Fog Seal, in the Golden Meadows Subdivision.
- FY18 - The City spent \$300K (State Street Aid Fund) on HA-5 in Keegans Glenn, Yorktown, Heath Place, Polk Place and Willowsprings Subdivisions.
- FY19 - The City spent \$52k utilizing a Thin Lift Asphalt application on Church Street.
- FY19 - \$300K is currently identified from the State Street Aid Fund for Pavement Preservation projects. Street Dept. will begin Crack Filling roads this Fall/Winter in areas that qualify as Thin Lift/Slurry Seal/Chip Seal/Fog Seal projects for Spring 2020.

Recommendation

Staff is seeking to provide information to the Board about various approaches that are being explored as part of a more comprehensive pavement preservation strategy.