



Legislation Text

File #: 2015-0395, **Version:** 1

Title Pavement Rejuvenator - Proposals

History

As we continue to evaluate and implement technologies to extend and preserve the life of roadway surfaces, the Village utilizes pavement rejuvenator evaluation areas to help identify the right rejuvenator brand/process to use for a particular road. By continually evaluating techniques and products, the Village will employ a variety of methods with cost effective practices for pavement preservation.

Asphalt pavement treatments, when properly applied have the potential to extend the life of an asphalt roadway for several years beyond the point where rehabilitation, or major reconstruction would normally be required; thus significantly decreasing the pavement's annual maintenance costs.

Numerous studies have been completed over the years that demonstrate that the proper application of pavement rejuvenator products can extend the life of road surfaces. Pavement rejuvenators are applied to paved asphalt streets to seal the pavement surface, and restore and preserve original asphalt properties. Pavement rejuvenator applications are applied prior to visible failures in the street. These preventative treatments have also been recommended as part of the pavement management study completed by, Applied Research Associates (ARA). Working with ARA, staff has identified sections of two neighborhoods as ideal candidates for these treatments: Heritage Estates and the Ishnala Subdivision. Public Works staff requested and received proposals/estimates for two types of pavement rejuvenator products.

In incorporating pavement rejuvenation into the ongoing road maintenance program, Public Works staff identified two pavement rejuvenation products to consider. Both were used last year in the Sterling Ridge Subdivision for side-by-side comparison and evaluation. As staff continues to evaluate each of these applications, we recommend utilizing both rejuvenators. Depending on the type or condition of a road, one may be used over the other.

The pavement application Reclamite® is one of the most popular pavement rejuvenator products used in the Chicago area. The Reclamite brand is sold and applied by Corrective Asphalt Materials Inc. from South Roxana, Illinois. Reclamite is a petroleum based emulsion applied by spray. The material is then covered with a thin layer of sand to prevent tracking. The street is swept the following day to remove any loose sand. The cost of this product is \$0.81 per square yard or \$15,309 for the intended coverage area (18,900 sq. yds.) in a section of the Ishnala subdivision.

The pavement application Biorestor® would be applied by Denler, Inc. from Mokena, Illinois. This product is made from "100% agricultural oils" and is also applied by spray but does not require a sand surface topping. Instead, vehicular traffic is prohibited for approximately two hours following application. The cost of this product is \$0.99 per square yard or \$13,394.70 covering 13,530 sq. yds.

in a section of the Heritage Estates subdivision.

On July 6, 2015, this item was reviewed and approved by the Public Works Committee and referred to the Board for approval.

Financial Impact

There is sufficient funding in the FY15 Road Improvement Program, account 054-0000-471250, to accommodate this work.

Recommended Action/Motion

I move to approve to the Village Board to waive the bid process;

And

Approve accepting the proposal/estimate for Reclamite® for pavement rejuvenator application from Corrective Asphalt Materials Inc. from South Roxana, Illinois, in the amount of \$16,000;

And

Approve accepting the proposal/estimate from Denler, Inc. of Mokena, Illinois for Biorestor® pavement rejuvenator application in the amount of \$14,000.