Project Title: Potential Use and Applications for Reclaimed Millings

PennDOT Technical Advisor: Douglas Schofield

Project No: WO 4

Project Duration: May 2013 – Apr 2016

Project Purpose:

Project purpose is to:

- Identify and document economically viable uses for milled asphalt material.

PennDOT District 1 has been extracting a portion of milled asphalt material from paving operations to produce an asphalt coated chipping stone, but this leaves 50-60% of the material as a byproduct. This remaining material may have a range of potential uses. This project will investigate the most economically useful ways to return the largest benefit from this material for maintenance applications.

In support of PennDOT's Strategic Goals:

- Leverage resources to maximize effectiveness and efficiency
- Promote continuous improvement and innovation

Anticipated Outcomes:

Anticipated project outcomes include:

- The necessary detail to implement additional ways to use milled asphalt material.
- Design criteria for how to implement uses that are identified.

Implementation Plan:

Once PennDOT District 1 has received the information on ways to beneficially use this material, some or all of the options will be tested and evaluated in a field application. Those that provide the greatest utility and cost savings will be implemented in District 1 counties. When the benefits of these practices have been proven, this information will be shared with other districts.

Research Partner: Pennsylvania State University

Principal Investigator: Shelley Stoffels

Project Cost: $124,912.00