



**WHITESTONE
ASSOCIATES, INC.**

Environmental & Geotechnical Engineers & Consultants

PAVEMENT ENGINEERING SERVICES



Whitestone Associates, Inc. develops site-specific investigations designed to assess the service life expectancy of heavy-duty and light-duty pavements and provide recommendations for repair, overlay, or replacement. These investigations typically include a visual evaluation and mapping of the pavement surface, determining pavement section thickness, and evaluating the supporting subgrade soils. More complex forensic investigations or litigation cases also may include detailed asphalt composition analyses, surface and subsurface drainage evaluation, and/or expert testimony. The data collected are evaluated using AASHTO design methods. In addition to determining the remaining pavement service life, Whitestone's analysis incorporates:

- A plan showing failed pavement areas
- Recommendations for repair of pavement failures
- Minimum asphalt thicknesses for overlay and/or full-depth repairs
- Recommendations for improving surface and subsurface drainage
- Construction considerations for surface and subgrade preparation
- Site-specific maintenance recommendations to extend service life



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