



CITY OF KINGMAN COMMUNICATION TO COUNCIL

TO: Honorable Mayor and City Council

FROM: Jack Plaunty

MEETING DATE: February 17, 2026

AGENDA SUBJECT: Comprehensive Pavement Management Program: Staff Report and Technical Presentation by NCE on Infrastructure Preservation and Treatment Applications

SUMMARY:

Presenters: Jack Plaunty, City of Kingman; Jeff Stempihar, P.E., NCE Engineering

This agenda item provides the City Council with a comprehensive update on the health and sustainability of Kingman's roadway network. The presentation is divided into two primary segments to provide both local operational results and specialized engineering analysis. Jack Plaunty will lead the staff report portion, detailing the status of the current fiscal year's projects and the tangible results of recent preservation cycles. This includes a review of treatment performance across high-traffic corridors and residential streets.

Following the staff update, Jeff Stempihar, P.E., from NCE, will provide a technical presentation on the engineering methodologies used to select specific pavement treatments. Jeff Stempihar (pronounced "stem-p-r") is an Associate with NCE. He has over 20 years of experience, specializing in pavement evaluation and design, material selection, and developing best-practice guidance. He has worked on projects at the local, state, and national levels. Jeff is a registered professional engineer in Arizona and has authored numerous technical specifications, test procedures, technical reports, and industry publications. This analysis focuses on the data-driven selection process where roadway classifications, traffic loading, and environmental stressors are weighed against the Pavement Condition Index (PCI) to determine the optimal application. Mr. Stempihar will detail the technical efficacy of various treatments, ranging from high-density mineral bonds and polymer-modified slurry seals to structural overlays, explaining how the specific distress mechanisms of a roadway dictate the choice of material. By combining staff's local project data with NCE's technical modeling, this report demonstrates how the City's proactive maintenance approach is successfully extending the lifespan of the roadway infrastructure and preventing the high costs associated with total pavement failure.

FISCAL IMPACT:

None

SUGGESTED MOTION:

None

ATTACHMENTS:

[FY26 Pavement Preservation Updates \(final\) \[Read-Only\].pdf](#)