

Memorandum

TO: City Council
FROM: David Yang , Staff Engineer
DATE: October 6, 2025
SUBJECT: Authorize the execution of a professional services agreement for pavement and geotechnical evaluation services for the 2026 Street Reconstruction, city project 26-04.
ITEM NUMBER: 8.m
SECTION: CONSENT AGENDA

REQUESTED MOTION

To authorize execution of a professional services agreement with Braun Intertec for pavement and geotechnical evaluation services in the amount of \$24,948.00 for the 2026 Street Reconstruction, city project 26-04.

INTRODUCTION

The city's 2026 capital improvement plan includes funding for the rehabilitation of roadways in various locations throughout the city. The project will be modeled after previous street rehabilitation projects, and will address pavement needs at locations as determined using repair records, our pavement management database and visual inspections. Similar to prior projects of this type, staff has identified professional services that are required and recommends the city council authorize approval of a professional services agreement with Braun Intertec.

DISCUSSION

The stabilized full-depth reclamation (SFDR) rehabilitation of city roadways will consist of reclaiming the existing bituminous surface and aggregate base, stabilizing the reclaimed material with emulsified asphalt to form a new pavement base, grading the stabilized material to ensure a crown for proper surface drainage, and paving a new bituminous surface. Stabilized full-depth reclamation has become the preferred method for bituminous pavement rehabilitation in Shoreview since it creates stronger, more durable pavement structures, is cost-effective, minimizes disruptions to traffic, and reduces local landfill usage by reusing recycled material.

The integrity and strength of the rehabilitated pavement structure is dependent on the amount of emulsified asphalt utilized to stabilize the reclaimed material. A pavement mix design needs to be completed to determine this amount. To complete the mix design, pavement cores and samples of the underlying aggregate base are collected from various locations from roadways on the rehabilitation project. The collected material is mixed together and different amounts of asphalt emulsion is added to the mix material to determine the optimal amount that needs to be added during construction. Mix designs have been completed for all previous pavement rehabilitation projects.

The city does not have the required expertise or equipment to complete a mix design and staff has obtained a proposal from Braun Intertec, an engineering testing firm, to perform the required services. The proposed estimated cost for this service is \$24,948.00 and a copy of Braun Intertec's proposal is attached for reference. Braun Intertec has expertise in pavement rehabilitation with asphalt emulsion, and has provided pavement and geotechnical services for the city on previous rehabilitation projects that have used asphalt emulsion. The estimated cost for the services related to the mix design is comparable to costs for previous projects.

RECOMMENDATION

Staff recommends the city council authorize the professional services agreement with Braun Intertec for pavement and geotechnical evaluation services in the amount of \$24,948.00 for the 2026 Street Reconstruction, city project 26-04.

ATTACHMENTS

[Pavement and Geotech Evaluation Proposal - Braun Intertec CP26-04.pdf](#)