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# MEMORANDUM

TO: Deanna Stoddard, Airport Operations Manager

FROM: Shawn McMahon, PE (MN, IA, SD, WI)

DATE: August 26, 2021

RE: Runway 13/31 Pavement Evaluation  
SEH No. MINOT P162204

The project team is requesting approval to complete an evaluation of the existing concrete pavement integrity and subsurface conditions for Runway 13/31 at Minot International Airport (MOT), pending City approval.

## PROJECT SCOPE

The primary runway at MOT, Runway 13/31, is experiencing surface deterioration in isolated areas along the length of the runway pavement and the potential for subsurface structural concerns. SEH staff and City staff met on site this summer to observe the pavement deterioration and behavior of the runway surface in isolated areas, reinforcing concerns regarding subgrade conditions below the concrete pavement. An evaluation of the concrete pavement and subsurface conditions is recommended to better understand the pavement strength characteristics and to ultimately provide a recommendation for addressing any noted deficiencies. Primary components of this project scope include performance of concrete pavement coring as well as non-destructive testing techniques, coordination for required project meetings and project site visit(s), and assembly of a project memo to summarize findings from the pavement evaluation and recommend actions based on the findings. SEH will be on-site with the Geotechnical subconsultant during the investigation. The Airport will provide security escort and coordinate runway closure.

## PROJECT SCHEDULE

On-site runway pavement evaluation efforts are proposed to be performed the week of September 20<sup>th</sup> after consideration at the City Council meeting on September 20<sup>th</sup>, including the performance of concrete pavement coring and non-destructive testing by the geotechnical subconsultant. Analysis and reporting of the pavement evaluation findings, including recommendations for addressing runway pavement issues, will be forwarded to MOT by October 22, 2021.

## PROJECT COST

Following is a summary of proposed project costs, including fees for geotechnical subconsultant Braun Intertec.

Project Element	Estimated Cost
Management and Coordination	\$3,700
Site Visit and Reporting	\$5,300
Geotechnical Subconsultant Fees	\$6,250
Direct Expenses	\$750
<b>Total Project Cost:</b>	<b>\$16,000</b>

The costs of any repair recommended as part of the study are unknown at this time, and highly dependent on the results of the pavement condition assessment.

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