

PROJECT OF THE YEAR | INTERMEDIATE SMALL GA AIRPORT

# New Runway and Road Relocation Lake Elmo Airport

## Airport Sponsor:

Metropolitan Airports Commission

## Consultant Team:

SEH – Prime Consultant  
Element Materials Technology  
Barr Engineering

## Contractors:

Northern Lines Contracting  
Designing Earth Contracting  
Minger Construction  
Northwest Asphalt Inc.  
Minnesota Paving and Materials  
Dresel Contracting  
Neo Electrical Solutions

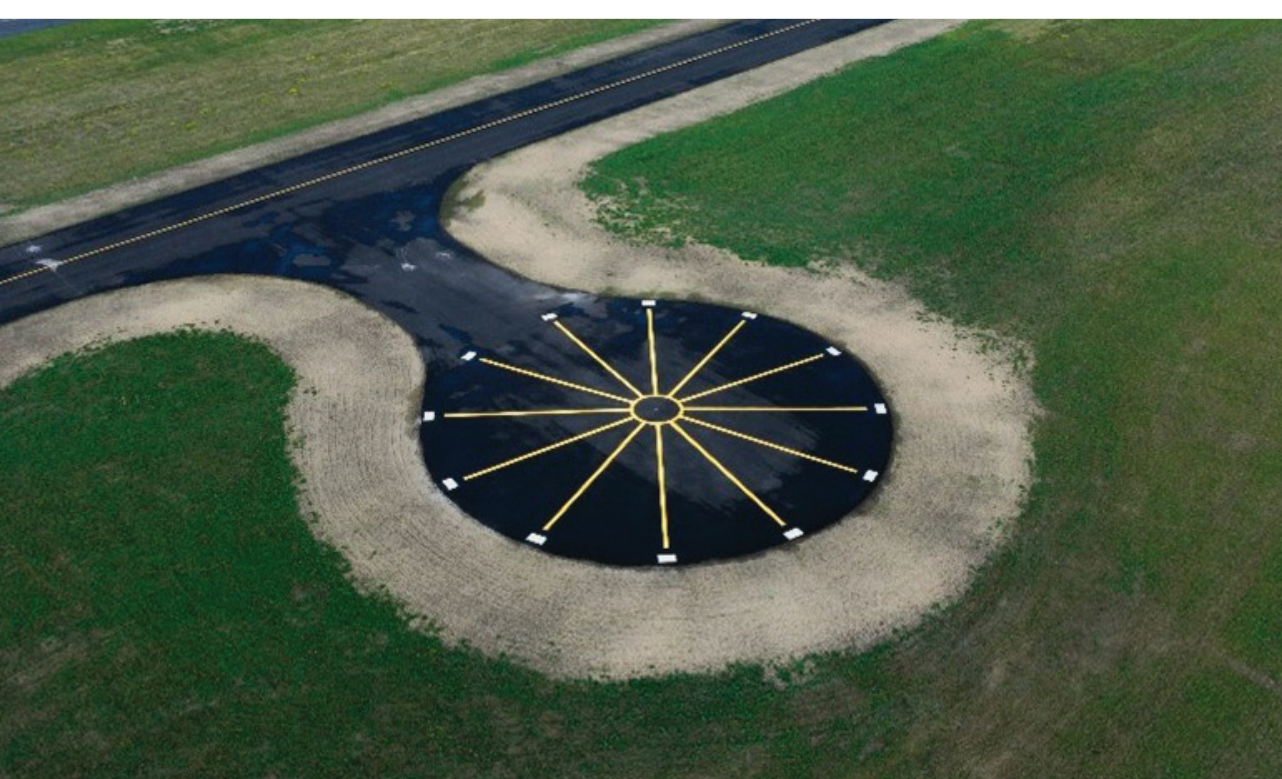
Runway opening day - July 20, 2022



The project included all new LED edge lighting and signage.



Tight construction schedules to minimize airport impacts meant multiple simultaneous operations: paving, electrical, edge grading, and seeding.



The project includes a compass calibration pad.

## About the Project

Lake Elmo's newly constructed Runway 14/32 is 3,500 ft. long and supports over 95% of the anticipated aircraft traffic, including turbine airplanes. This project was completed in four phases and involved construction of an entire new runway and taxiway system. Coordination among MAC staff, SEH, and project stakeholders was especially imperative to provide access throughout construction and minimize impacts to air traffic and airport operations. A key component of the project was providing safety areas for the runway from nearby highways and railroads, allowing for the Runway Protection Zones (RPZs) to be on airport property. The old runway was reconstructed as a parallel taxiway to improve safety and operational connectivity of taxiing aircraft. New GPS approaches were created for each runway end to provide all weather accessibility.

One innovative feature of this project is the stormwater management system, necessary to meet the permitting requirements of the watershed. The design incorporated culverts, ditches, drain tile, filtration and infiltration basins, retention ponds, and mechanical evaporators to meet metrics set forth in by the permit.

The project also included a new, state-of-the-art LED runway and taxiway lighting system. The systems included all new LED edge lighting, airfield signage, PAPIs, and REILs, and a new electrical vault building.

### FOR MORE INFORMATION ABOUT THIS PROJECT CONTACT:

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### AIRPORT CONTACT:

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