

2021 – 2025

Airfield Pavement and Supporting Infrastructure Replacement Program

Program Scope

- Continue programmatic approach of replacing distressed airfield pavement, joint sealant, and supporting infrastructure at Seattle-Tacoma International Airport
- Previous 20-years of airfield investments focused on the airfield's runway and connecting taxiway system
- This CIP will focus on replacements of damaged, high traffic pavements (and failing utilities beneath those pavements) supporting aircraft access to the terminals and apron areas

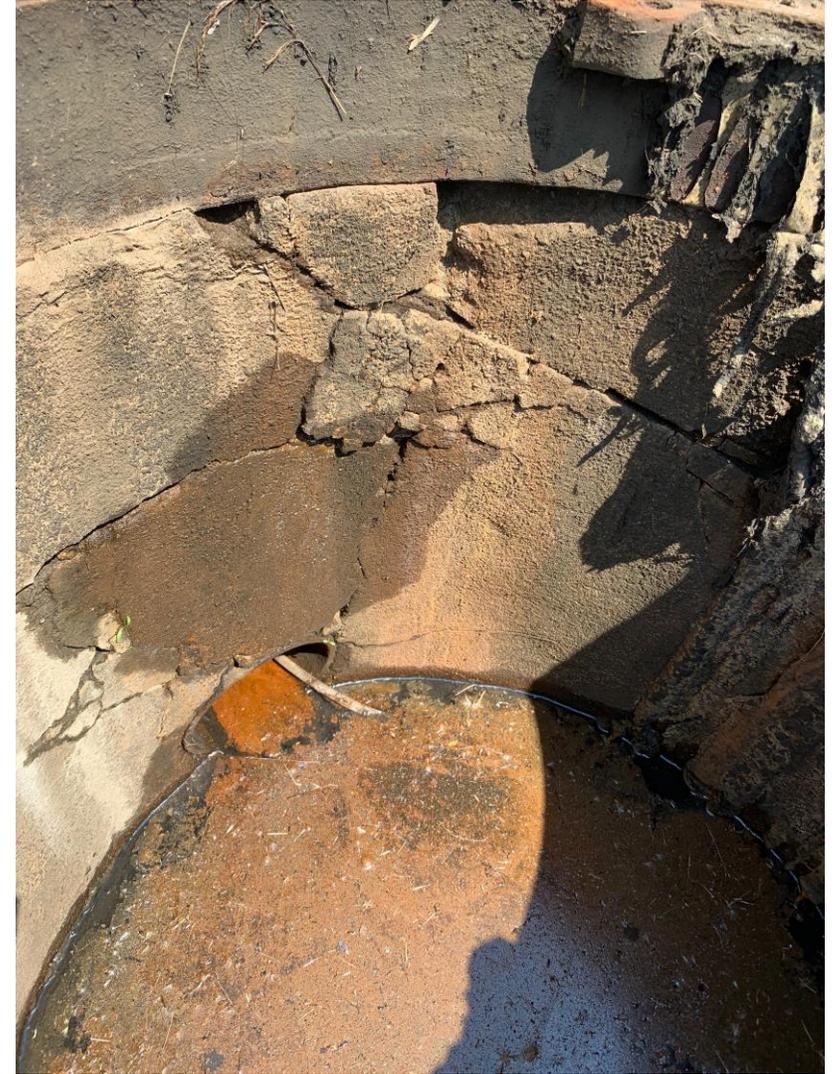
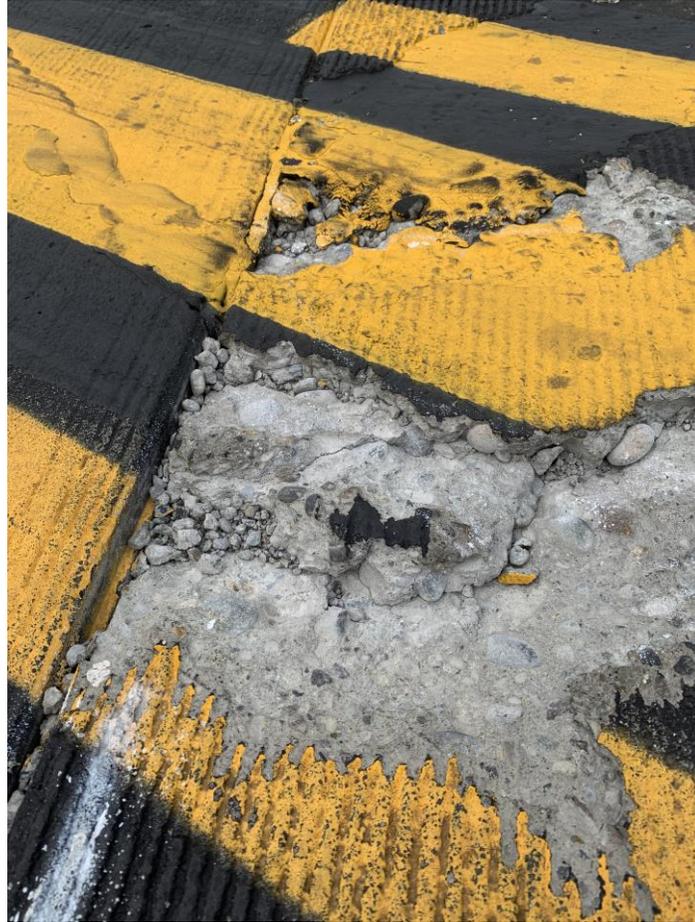
Program Goals

- Focus on airfield assets having the following criteria:
 - (1) significantly exceeded design life
 - (2) continual need for emergency repair
 - (3) high strategic value to airfield operations
- Maximize FAA Grant Funding – Entitlement & Discretionary
- Minimize and plan for operational impacts by performing early programmatic construction phasing
- Minimize operational impacts by replacing utilities concurrent to pavement replacement

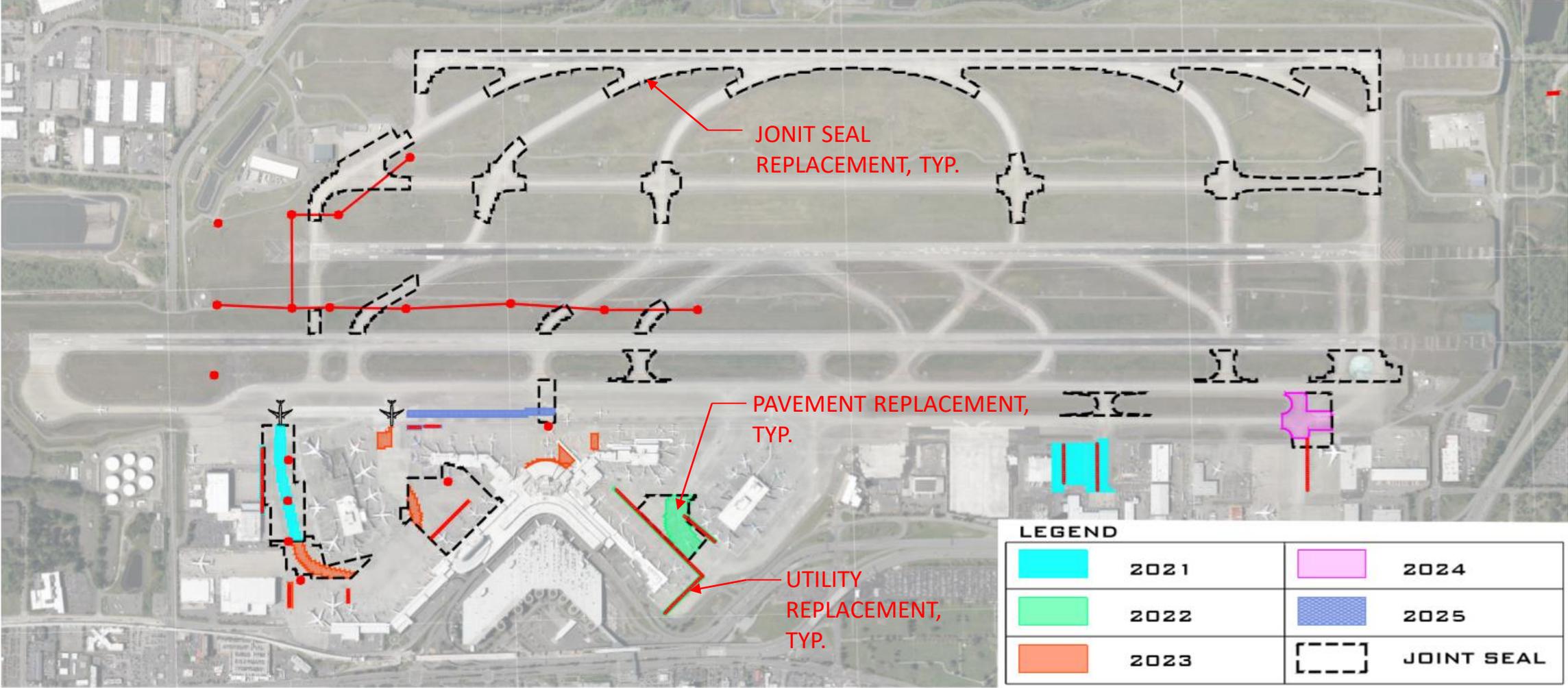
Infrastructure Condition and Age:

- Existing pavements designed for 20-year life now up to 50 years old (average 43 years)
- Existing pavement thickness as thin as 14 inches (average 16 inches) compared to current design of 20 inches or more
- Current aircraft size and number of operations have cracked and damaged oldest pavements
- Airfield-wide failures of aging utilities – many more than 50 years old

Infrastructure Condition and Age:



2021 to 2025 Overall Airfield Pavement and Supporting Infrastructure Replacement Program



2021 to 2025 Budget

*Should more FAA discretionary grant money become available for this program as packaged, the estimate of total FAA-eligible construction costs are up to \$81,000,000

2021 Project Schedule

- Commission Authorization for Design Oct 2019
- 30% design Dec 2019
- FAA Pre-Design Conference Jan 2020
- Safety Risk Management Panel (SRMP) May 2020
- Authorization for bid, award and construction Oct 2020
- Advertise for Bid Nov 2020
- Construction start NTP Mar 2021