

2021-2025 Airfield Pavement and Supporting Infrastructure Replacement Program North Runway Protection Zone Culvert (CIP #C800930)

Michelle Carioto & Chris

Coulter – AVPMG

C801177

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Action Requested

Request Commission authorization for the Executive Director to advertise and award a major public works contract to replace the North Runway Protection Zone Culvert (NRPZ Culvert), a year 2022 component of the 2021 to 2025 Airfield Pavement and Supporting Infrastructure Replacement Program. This construction authorization is for \$3,800,000 for a total program authorization to date of \$55,195,000. The total 2021-2025 program cost is \$153,500,000.

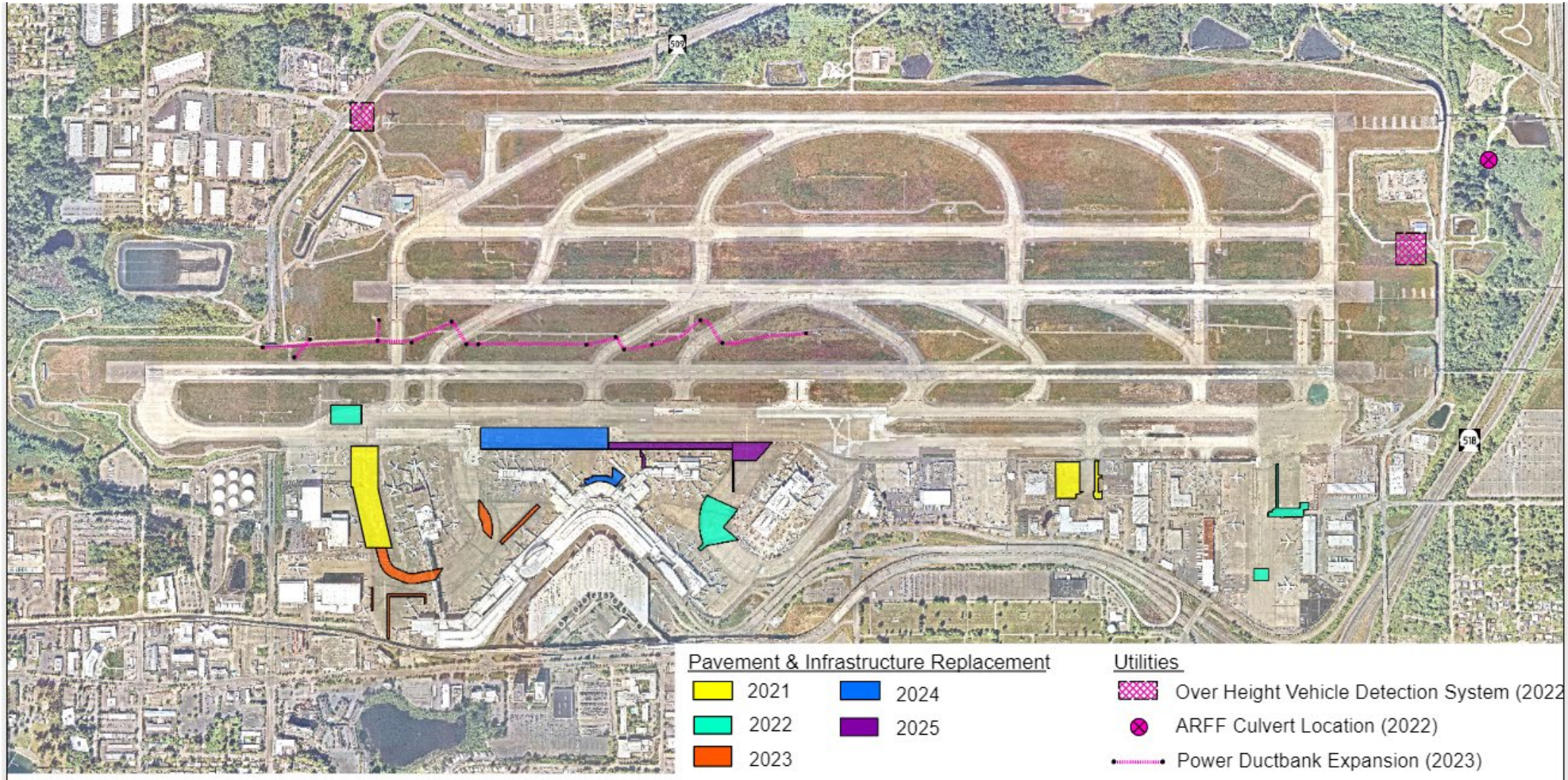
Program Overview

The 2021-2025 Airfield Pavement and Supporting Infrastructure Replacement Program replaces distressed airfield pavement (concrete and asphalt), joint sealant, related and supporting infrastructure at the Airport to provide safe and efficient conditions for aircraft operations and meet FAA requirements.

Program Notes:

- Program Budget: \$153,500,000
- Authorized to Date: \$55,159,000 (including today's authorization)
- Maximizes FAA Grant Funding (\$21,100,000 To-date)
- Design authorization for the program occurred in Q4 2019
- Program is in its first year (2021) of the five-year construction schedule
- Construction authorization occurs for each major construction contract issued - typically one FAA funded and one non-FAA funded contract per year

Program Overview Map



North RPZ Project Scope

- Install temporary stream bypass, water treatment and fish protection measures
- Remove the failing roadway
- Restore fish passage and the Miller Creek streambed to its natural state
- Install the engineered roadway decking spanning the creek to allow safe conditions for first responders, maintenance, and construction traffic

Project Location



North Runway Protection Zone Culvert Site



Project Schedule

Commission construction authorization	2021 Quarter 3
Construction start	2022 Quarter 3
In-use date	2022 Quarter 4

Budget

Culvert Project Budget (U00619)	Total Project
Design	\$1,100,000
Construction	\$3,800,000
Total	\$4,900,000

Airfield Pavement & Supporting Infrastructure Replacement Program Budget (C800930)	This Request	Total Program
Design	\$0	\$13,495,000
Construction	\$3,800,000	140,005,000
Total	\$3,800,000	\$153,500,000

Project Risks

RISK	DESCRIPTION	PROBLEM	IMPACT	MITIGATION PLAN
In Water Work	Significant amount of the work involves activities located below the water table.	Med ●	Med ●	Robust construction water management plan (including stream diversion plan and pump sizes) will be included in the contract.
Discovery of Archaeological Resources	Should archaeological materials (e.g., bones, shell, stone tools, beads, hearths, etc.) be observed during Project activities, all work in the immediate vicinity of the find will be halted.	Low ●	High ●	A discovery plan is in place and research of the area has been performed and we do not expect a discovery, but we will be prepared if there is one.
Material Lead Time	Few suppliers and long lead times for the culvert/bridge structure could potentially have a one-year impact on the schedule due to the limited “fish window” for allowable construction	Med ●	High ●	Procure the contractor early enough so there is adequate time to procure the structure ahead of schedule in order to meet the fish window construction timeline.