

2023 Airfield Projects

(CIP# C800930, C801177, C800844, C801171, C801237)

Seattle-Tacoma
International Airport

2023 Airfield Projects

- Request Commission authorization for the ED to
 - Advertise and execute two separate construction contracts, and transfer budget/authorization, as necessary, among the 2023 Airfield Projects
 - Procure long lead items
 - Include a Project Labor Agreement for both contracts
 - Authorize use of Port crews for abatement work
 - Increase the budget for the Perimeter Intrusion Detection System Program by \$5,400,000 for a total project budget of \$34,045,000
 - Increase the budget for the Secured Area Vehicle Checkpoint Project by \$400,000 for a total project budget of \$4,700,000
- The amount of this authorization request: \$67,153,000

2023 Airfield Projects

Two construction contracts are comprised of multiple interdependent Capital Improvement Projects (CIP) with overlapping work areas and design functionality, interdependent operational impacts, and share 2023 schedule milestones.

Contract #1 - federally funded

- 2023 Airfield Pavement and Supporting Infrastructure Replacement (C800930)
- 2023 Airfield Utility Improvements (C801177)
- DBE Goal – 8%

Contract #2

- Perimeter Intrusion Detection System (C800844)
- Snow Storage Expansion (C801171)
- Secured Area Vehicle Checkpoint (C801237)
- Cascade Road Ductbank (C800930)
- Over Height Vehicle Damage Protection System (C800930)
- WMBE Goal – 14%

2023 Airfield Projects Schedule

Construction Contract #	Contract #1	Contract #2
Commission construction authorization	2022 Quarter 4	2022 Quarter 4
Construction start	2023 Quarter 2	2023 Quarter 1
In-use date	2023 Quarter 4	2023 Quarter 4

2023 Airfield Projects Budget

Cost Breakdown	This Request	Total Project
2021-25 Airfield Pavement and Supporting Infrastructure Replacement (C800930)		
Design	\$0	\$16,000,000
Construction	\$27,700,000	\$137,500,000
Subtotal	\$27,700,000	\$153,500,000
Airfield Utility Improvements (C801177)		
Design	\$0	\$6,595,200
Construction	\$4,600,000	\$39,604,800
Subtotal	\$4,600,000	\$46,200,000
Perimeter Intrusion Detection System (C800844)		
Design	\$400,000	\$3,025,000
Construction	\$22,175,000	\$22,875,000
Technology	\$625,000	\$8,145,000
Subtotal	\$23,200,000	\$34,045,000

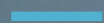
2023 Airfield Projects Budget

Cost Breakdown	This Request	Total Project
Snow Storage Expansion (C801171)		
Design	\$0	\$2,794,000
Construction	\$7,553,000	\$14,706,000
Subtotal	\$7,553,000	\$17,500,000
Secured Area Vehicle Checkpoint Project (C801237)		
Design	\$0	\$600,000
Construction	\$4,100,000	\$4,100,000
Subtotal	\$4,100,000	\$4,700,000
Total	\$67,153,000	\$255,945,000

Thank You!



Seattle-Tacoma
International
Airport



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Port of Seattle

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APPENDIX

2021-25 Airfield Pavement and Supporting Infrastructure Replacement Program (CIP C800930)

- Purpose
 - Replaces distressed airfield pavement, joint sealant, related and supporting infrastructure at the Airport to provide safe and efficient conditions for aircraft operations and meet FAA requirements



2021-25 Airfield Pavement and Supporting Infrastructure Replacement Program (CIP C800930)

- 2023 Projects & Scope
 - 2023 Airfield Pavement and Supporting Infrastructure Replacement
 - Taxilane pavement and drainage work at S and D Concourses
 - Cascade Road Duct Bank
 - Extension of a mid-airfield power ductbank
 - Over Height Vehicle Damage Protection System
 - Installation of over height vehicle warning bars to protect the Runway 16R
FAA approach lighting system

Airfield Utility Improvements (CIP C801177)

- Purpose
 - Ongoing project to replace aging, failing, and over-capacity utility systems serving the existing terminal and apron areas
- 2023 Scope
 - Located on the airside of the S and A Concourse and includes sanitary sewer, domestic water, power and IWS



Perimeter Intrusion Detection System (CIP C800844)

- Purpose
 - Enhance SEA security and public safety through technology, protect assets, and support AV Security business and operational goals
 - Provide infrastructure to undeveloped areas on the airfield
- 2023 Scope
 - Build required infrastructure to support an additional layer of security, utilizing technology, to supplement existing operations.



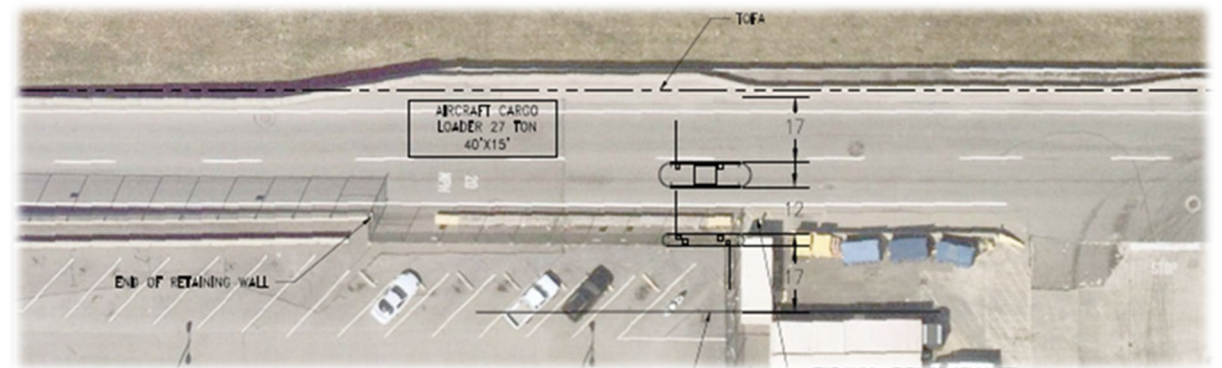
Snow Storage Expansion (CIP C801171)

- Purpose
 - Increases snow storage capacity to meet need based on historical snow events
 - Snow storage meltwater will flow to the IWS, meeting regulatory requirements
- 2023 Scope
 - Expansion and infrastructure improvements of the existing north and south snow storage areas
 - Widening of the perimeter roadway sections for safe use by snow removal equipment



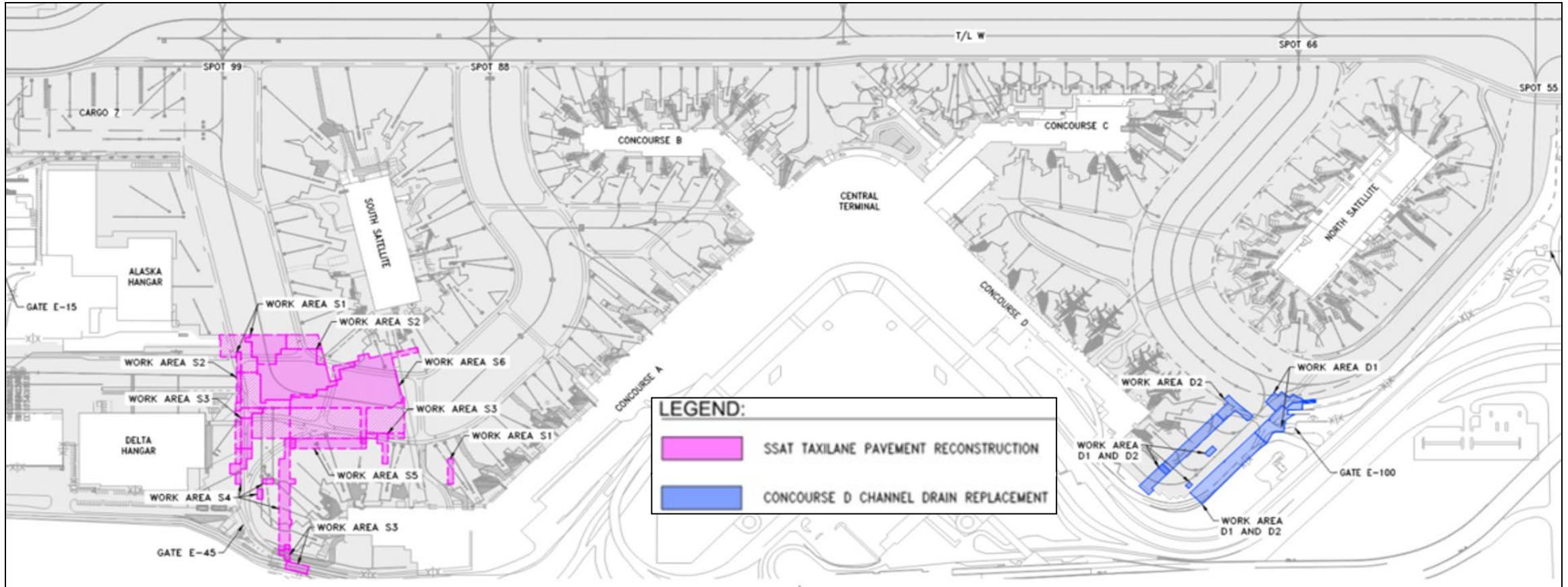
Secured Area Vehicle Checkpoint (CIP 801237)

- Purpose
 - Provide the infrastructure required for adaptation of full employee screening to the Secured Area of the airfield at the North and South boundaries
- 2023 Scope
 - Add vehicle gate arms and security screening equipment at the north and south ends of the terminal secured area



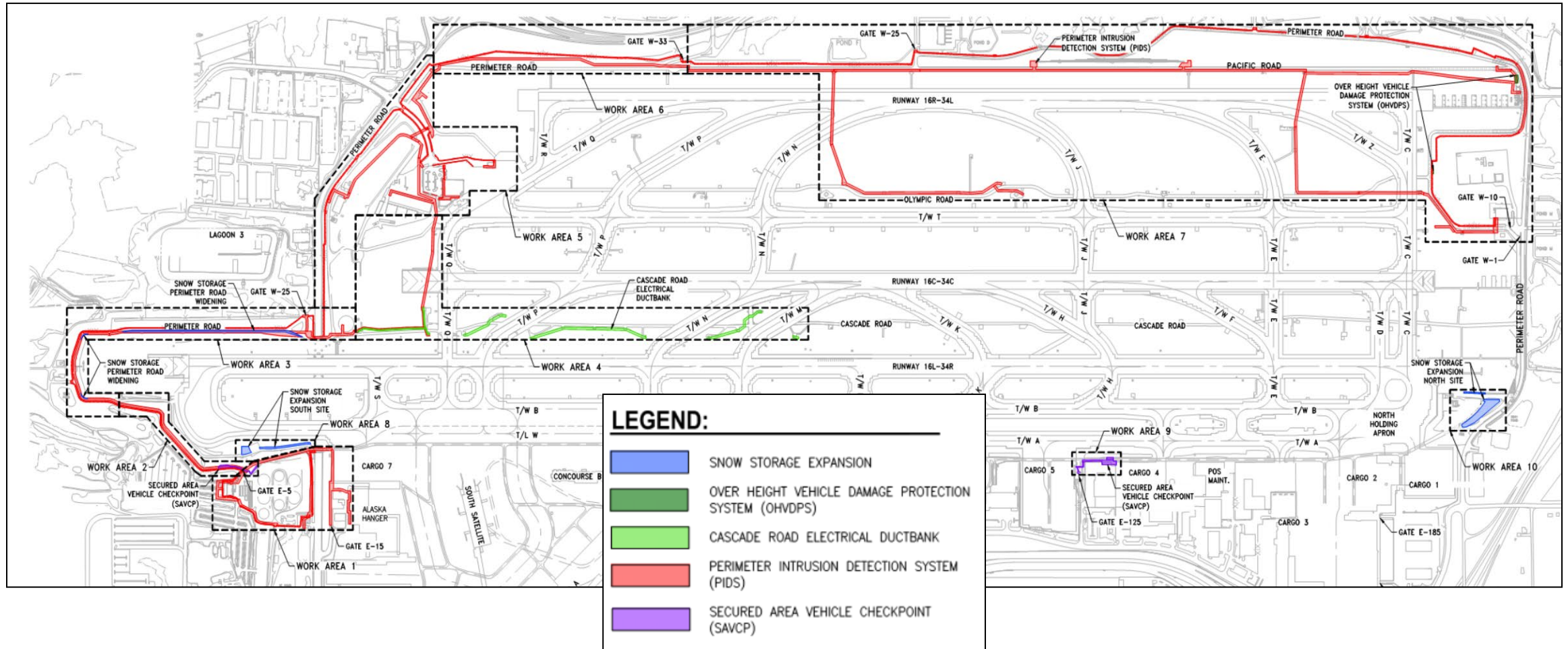
2023 Airfield Projects Contract # 1

Grant Funded Work



2023 Airfield Projects Contract #2

Non-Grant Funded Work



2023 Airfield Projects

Communication & Outreach

- Developed a Communication Plan for the 2023 Airfield construction season to ensure FAA, Air Traffic Tower/Ramp Tower planning, Tenant and Air Carrier awareness
- Included:
 - AAAC Meetings and Airline MII Process
 - Monthly Airline Station Manager Meetings
 - Safety Risk Management Panel
 - Bi-weekly stakeholder meetings with impacted air carriers and tenants

2023 Airfield Projects Risks

RISKS	DESCRIPTION	PROBABILITY	IMPACT	MITIGATION
FAA funding application	For projects with FAA funds, the grant approval need to be received prior to issuing NTP. Any delay by FAA could delay the overall project	Low ●	Low ●	Close coordination with the FAA Region and ADO.
Labor Action	There is a potential that labor and supplier agreement negotiations might impact construction if there is a strike	Low ●	Med ●	Contingency dollars could be used to implement targeted acceleration, as necessary; on-site batch plant for concrete
Weather delays	Potential delay to the overall construction project due to inclement weather	High ●	Med ●	Notice To Proceed cannot be delayed; Contingency dollars will be used for targeted acceleration when weather is favorable
Material Lead Time	Few resources and long lead times for some of the equipment and materials could potentially have impact on the schedule.	High ●	High ●	Self procure low-risk materials (e.g., Manhole cover); Phase projects to maximize lead times for contractor procured and installed segment; Early engagement with suppliers