



Alaska Department of Transportation & Public Facilities

Kodiak Airport Apron and Taxiways C, D, and F Rehabilitation Project

Project # SFAPT00227

June 2, 2021

Welcome!



Safety Moment



Introductions

Presented by Nick Straka, P.E. with HDR



Introductions



David Pyeatt, P.E.,
DOT&PF Project
Manager



Joseph Galgano,
Environmental
Impact Analyst



Nick Straka, P.E.,
HDR Project
Manager



Josie Wilson,
HDR Strategic
Communications
Lead



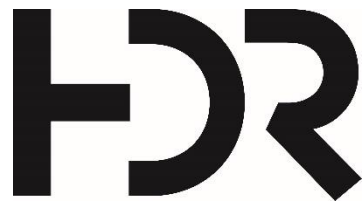
Alice Rademacher,
HDR Strategic
Communications
Coordinator

Project Team

Who is performing the work on this project?



DOT&PF is partnering with HDR and their subconsultants, Shannon & Wilson, Inc., MBA Consulting Engineers, Inc., and Lounsbury and Associates, to perform the work for this project.



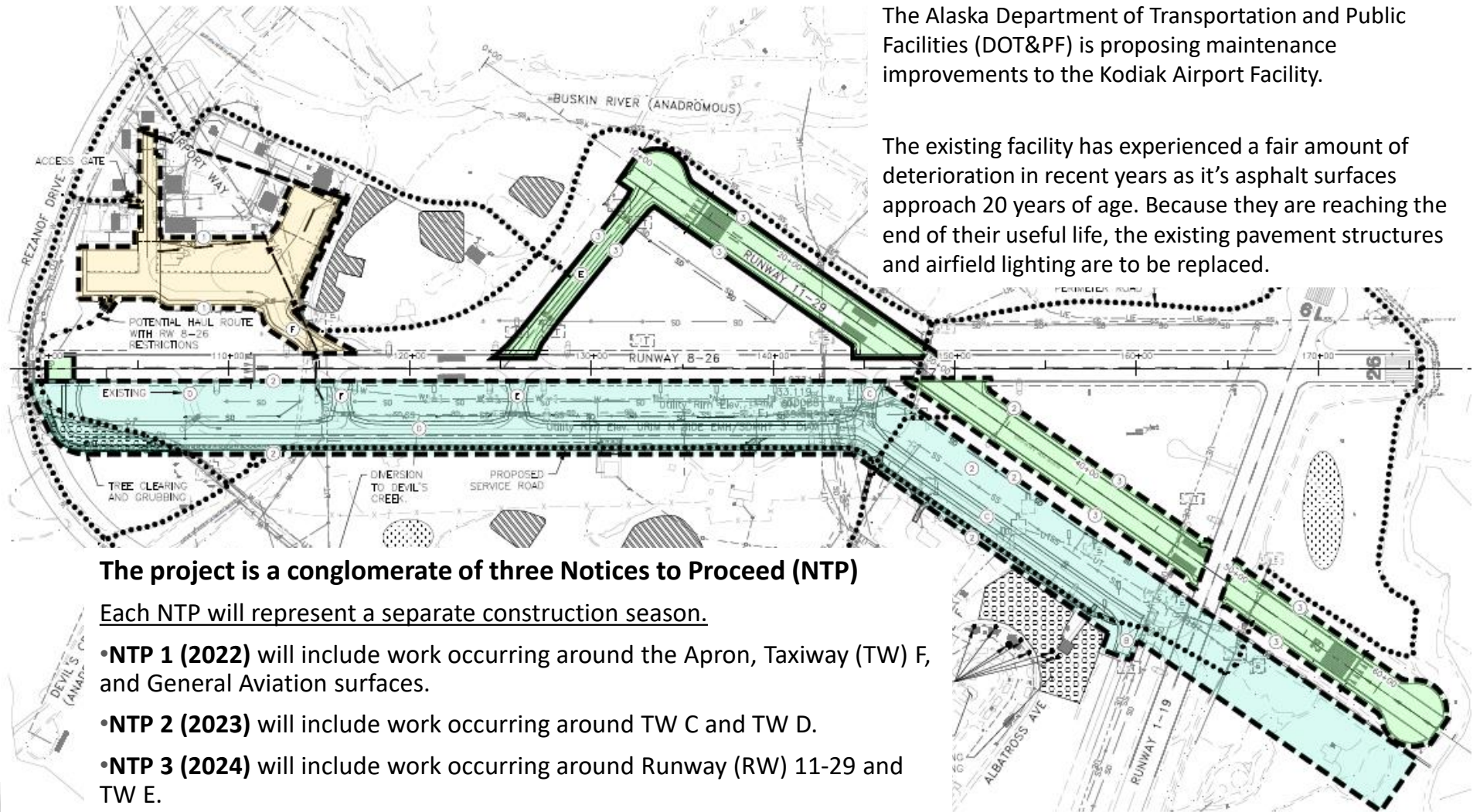
Kodiak Benny Benson State Airport (ADQ)

- Regional Part 139 hub airport for both public and military use.
- Accommodates the largest operating U.S. Coast Guard (USCG) installation.
- The only base that hosts both aircraft and ships.
- This USCG base responds to emergencies for the entire Kodiak region and Aleutian Islands.

Project Overview

The Alaska Department of Transportation and Public Facilities (DOT&PF) is proposing maintenance improvements to the Kodiak Airport Facility.

The existing facility has experienced a fair amount of deterioration in recent years as it's asphalt surfaces approach 20 years of age. Because they are reaching the end of their useful life, the existing pavement structures and airfield lighting are to be replaced.

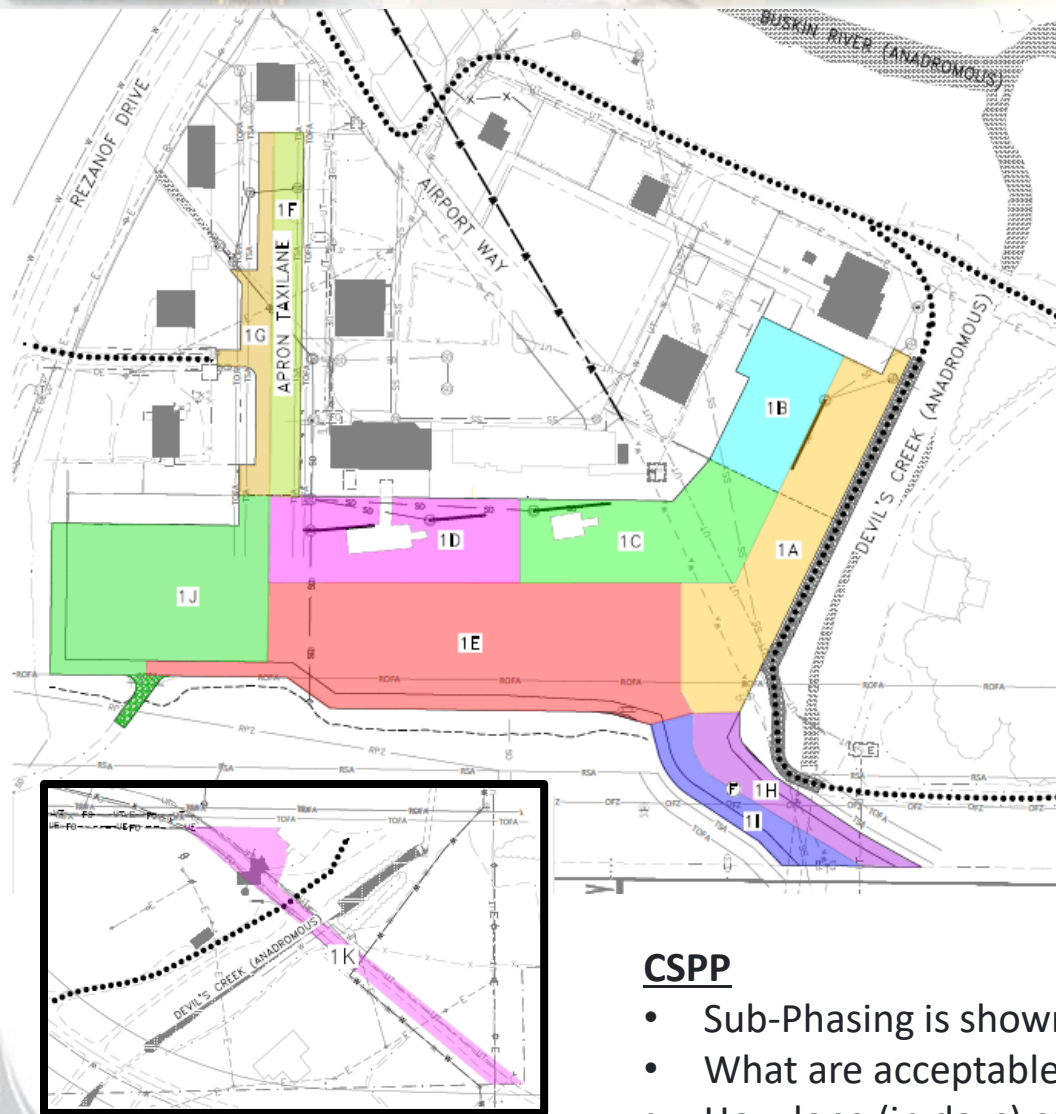


The project is a conglomerate of three Notices to Proceed (NTP)

Each NTP will represent a separate construction season.

- **NTP 1 (2022)** will include work occurring around the Apron, Taxiway (TW) F, and General Aviation surfaces.
- **NTP 2 (2023)** will include work occurring around TW C and TW D.
- **NTP 3 (2024)** will include work occurring around Runway (RW) 11-29 and TW E.

Summary of Work: NTP 1 Design



- Reconstruct the **apron** and **Taxiway F** to support the heavier 737-800. The existing hardstands will remain.
- Pave service road driveways on the **apron**.
- Replace associated edge lights, home runs, transformers, and signs.
- Install **apron** flood lighting on the west end of the **apron**.
- Replace storm drainage infrastructure in the vicinity of the **apron**.
- Install two oil/water separators, one on each side of the **apron**.
- Potentially replace the USCG water line. If that occurs, a fire hydrant will be constructed inside the fence.
- Add a service road between apron and Devil's Creek.

CSPP

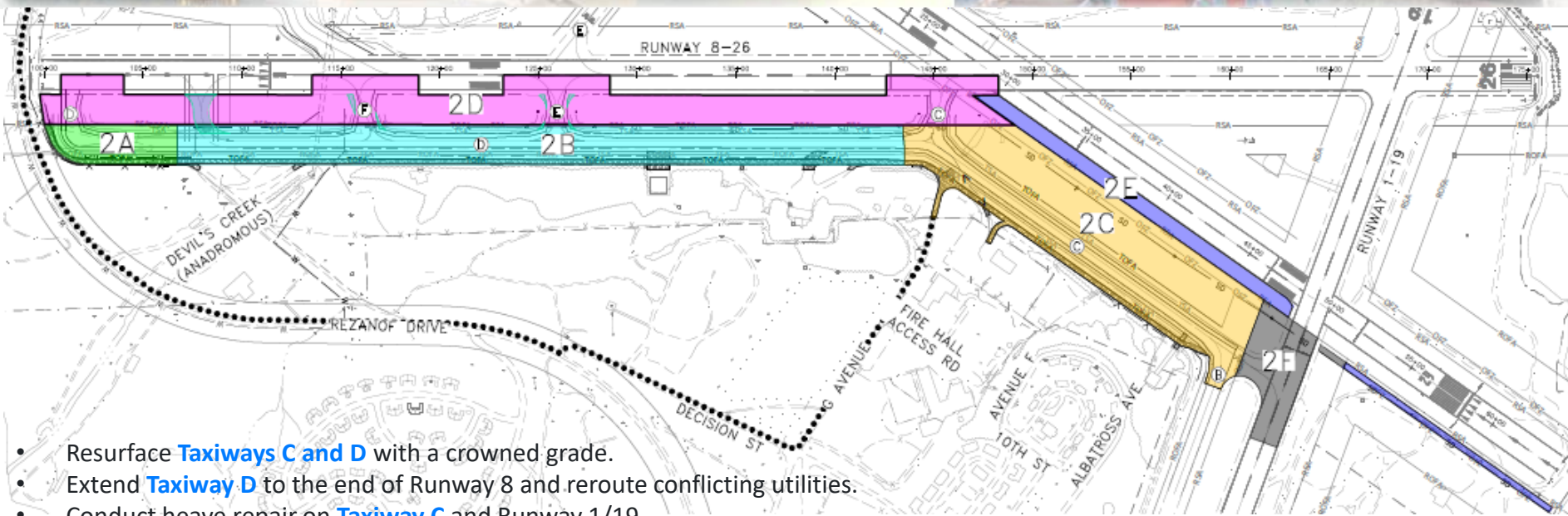
- Sub-Phasing is shown in the image above.
- What are acceptable durations for each sub-phase?
- How long (in days) can RW 8-26 be closed to construct TW F?



Visualization Proposed - Apron



Summary of Work: NTP 2 Design



- Resurface **Taxiways C and D** with a crowned grade.
- Extend **Taxiway D** to the end of Runway 8 and reroute conflicting utilities.
- Conduct heave repair on **Taxiway C** and Runway 1/19.
- Relocate service road that parallels **Taxiways C and D** to outside the ADG III taxiway object-free area (TOFA) and ADG IV taxiway safety area (TSA).
- Pave service road driveways onto **Taxiways C, D**, and **F**.
- Remove existing connector **Taxiway D** pavement and reestablish infield grassy areas.
- Replace existing storm infrastructure and pipes. Regrade infield areas to Federal Aviation Administration standards.
- Replace associated edge lights, home runs, transformers, and signs.
- Relocate TW C fire hydrant to service road.
- Clear trees and brush that block the Tower's view of TW B and TW C.

CSPP

- Sub-Phasing is shown in the image above.
- What are acceptable durations for each sub-phase?
- How long (in days) can RW 1-19 be closed to replace the storm drain crossing?
- When is the best time of day to close RW 8-26 and RW 1-19 for work inside the RSA?

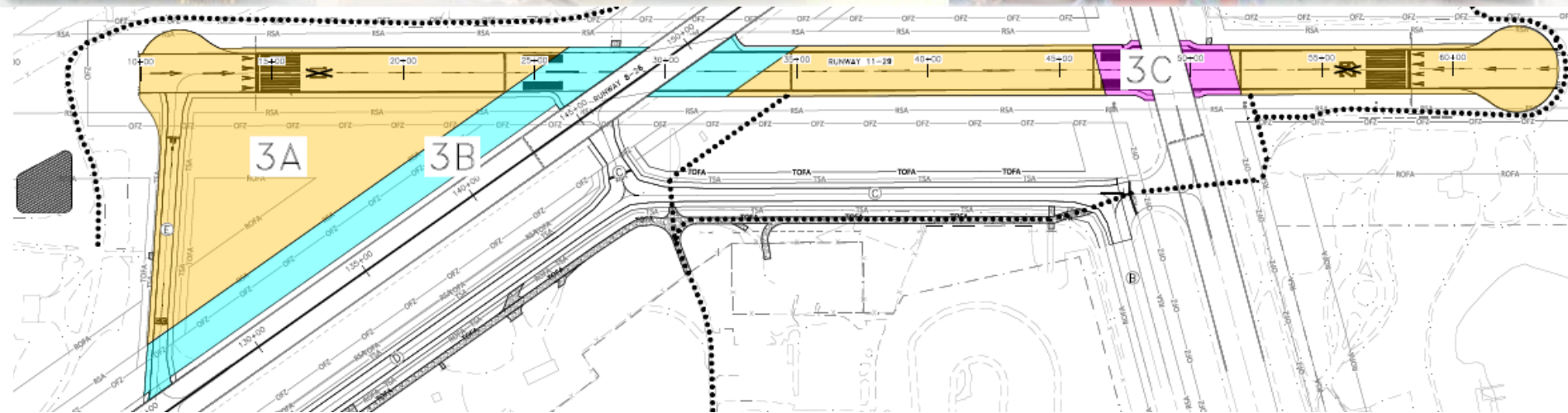
Visualization Proposed – Taxiway D



Visualization Proposed - Taxiway C



Summary of Work: NTP 3 Design

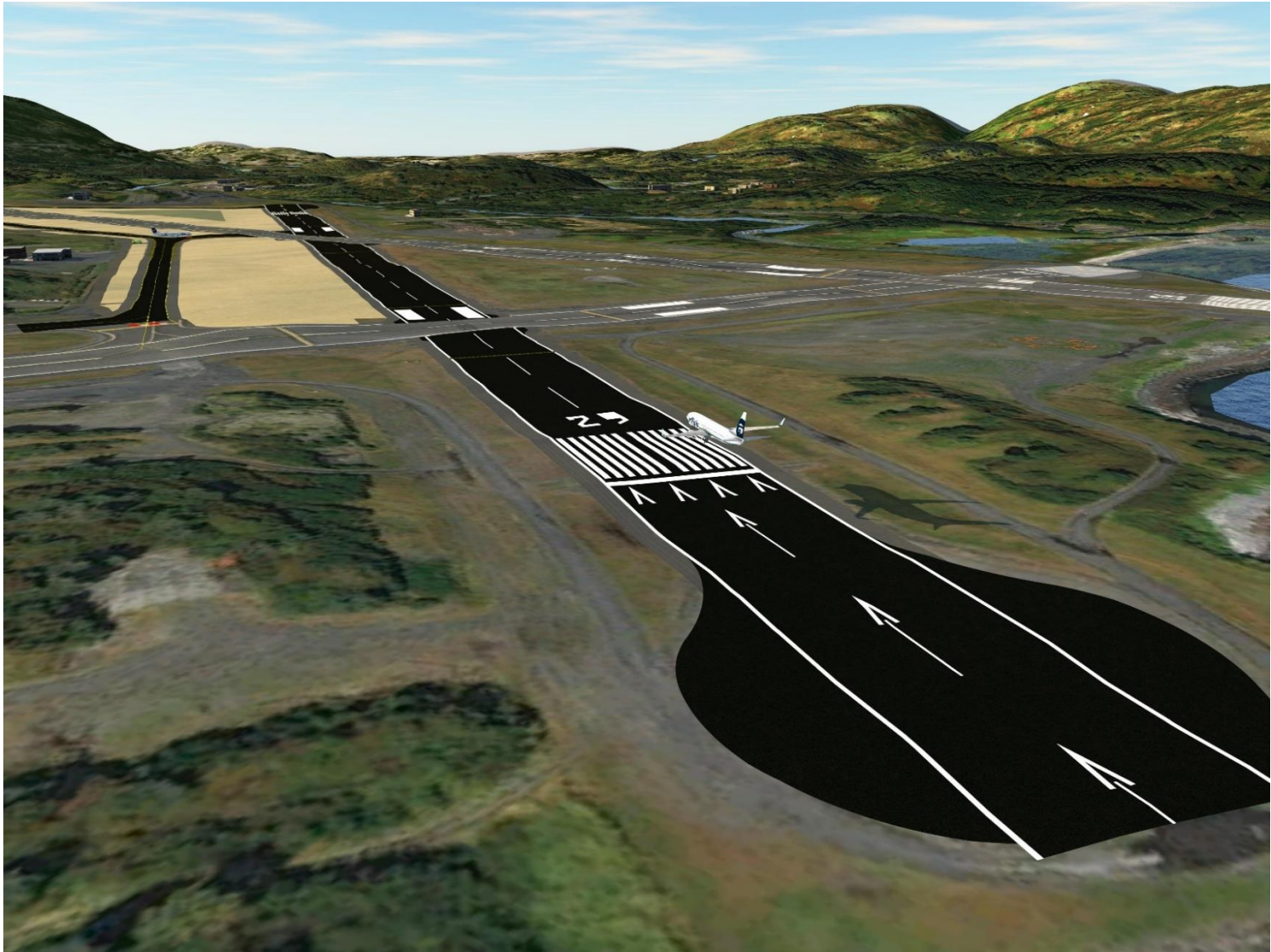


- Resurface **Runway 11/29** and **Taxiway E** with a crowned grade.
- Conduct heave repair on **Runway 11/29** and **Taxiway E**.
- Pave service road driveways to **Runway 11/29** and **Taxiway E**.
- Replace associated edge lights, home runs, transformers, and signs.
- Replace existing storm infrastructure and regrade infield areas to Federal Aviation Administration standards.
- Reconstruct RW 11 bulb and intersecting TW E which will require removal of underlying concrete to facilitate intersection grading.
- Repair damage at the end of RW 8.

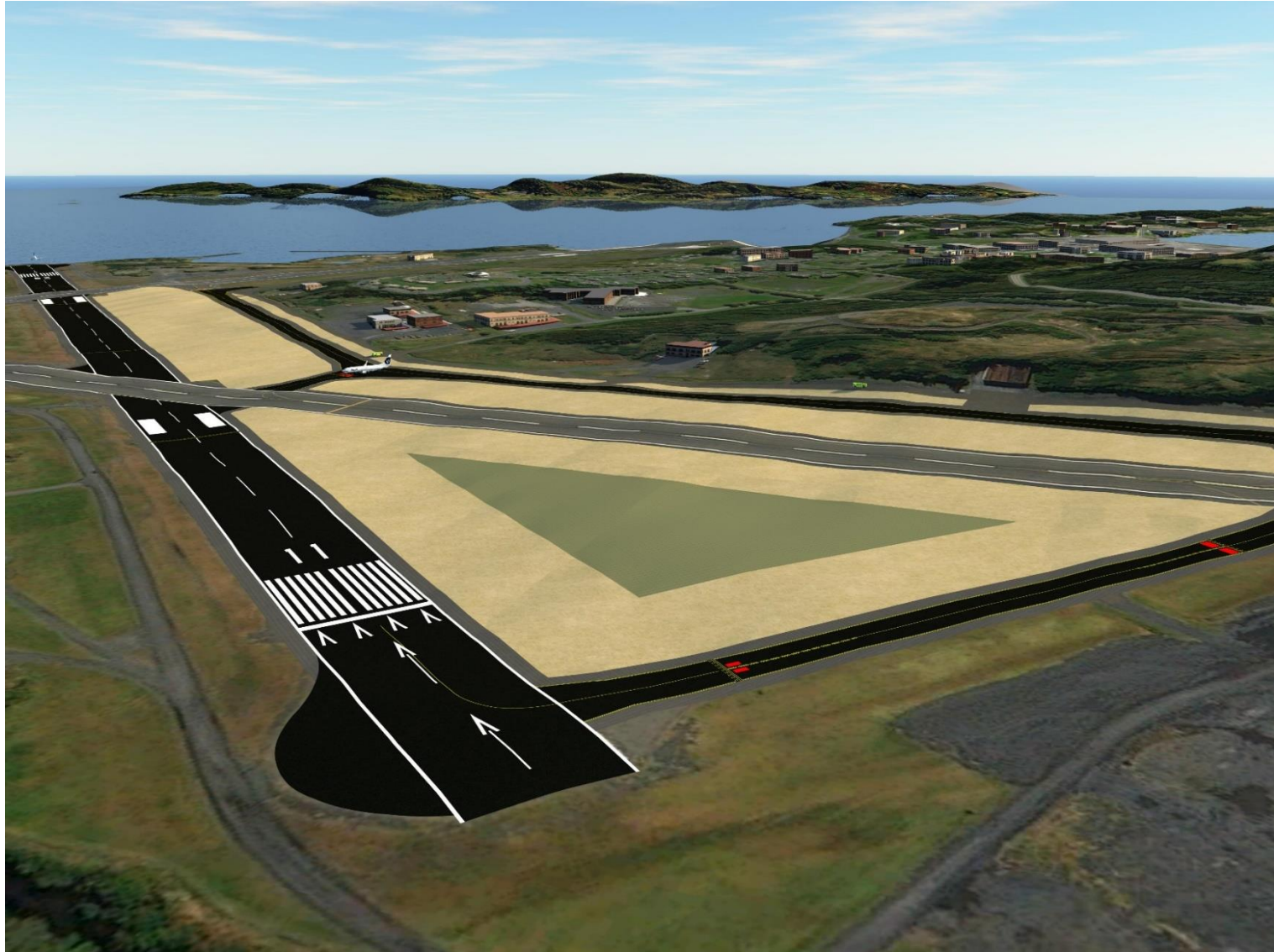
CSPP

- Sub-Phasing is shown in the image above.
- What are acceptable durations for each sub-phase?
- When is the best time of day to close RW 8-26 and RW 1-19 for work inside the RSA?

Visualization Proposed – Runway 11-29



Visualization Proposed – RW 11-29 and Taxiway E



Project Funding

- The project cost will be approximately \$45,000,000.
- Approximately 95% of this project cost will be funded by the Federal Aviation Administration
- The remaining balance will be paid by the State of Alaska.
- The United States Coast Guard will fund the cost for the water line under the apron to be rebuilt.



Environmental Processes

Development of this proposed project would follow a process required by the National Environmental Policy Act (NEPA). Based on project location and scope of work, the required NEPA environmental document is anticipated to be a Focused EA.



Possible Affected Resources

- Historic Properties
- Section 4f/6f Properties
- Fish
- Hazardous Waste
 - Per- and Polyfluoroalkyl substances (PFAS)
 - The project team is currently in the PFAS investigation phase. More information will be made available as this phase continues throughout Summer 2021.

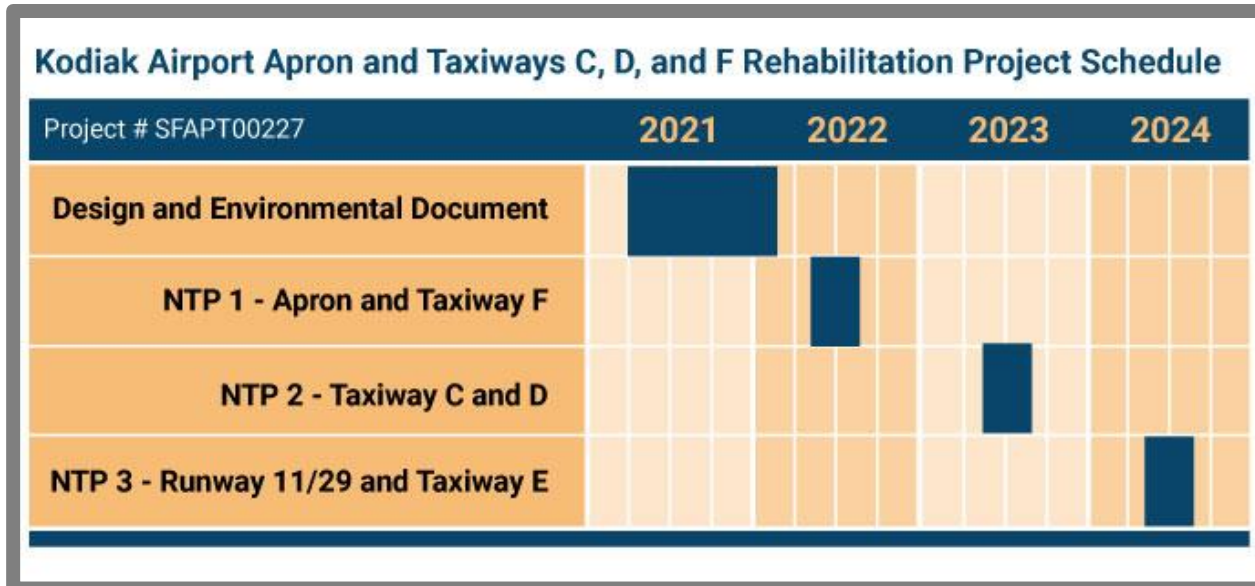


Project Status & Schedule

The project design is currently 65% complete.

Next Steps:

- Receive public feedback and comment
- Further the design plan to 100%
- Plan and follow all NEPA requirements
- Construction anticipated for NTP 1 is 2022, NTP 2 is 2023, and NTP 3 is 2024



Additional Resources

Visit the Project Website for Additional Details:

<http://www.kodiakairportrehab.com/>

The screenshot shows the website header for the Alaska Department of Transportation and Public Facilities. It includes the state logo, the name 'Nakhwal'in shoo ihlii (Dinjii Zhuh K'yaa) "I am happy to see you all."', and navigation links for 'myAlaska', 'Departments', and 'State'. Below the header, the project name 'Kodiak Airport Rehabilitation Project' is prominently displayed, along with a search bar for 'DOT&PF'. A breadcrumb trail at the bottom reads: 'You are here: DOT&PF > Southcoast Region > Kodiak Airport Apron and Taxiways C, D, and F Rehabilitation Project'.

Kodiak Airport Apron and Taxiways C, D, and F Rehabilitation Project

Project # SFAPT00227

Welcome to the website for the Kodiak Airport apron and Taxiways C, D, and F Rehabilitation Project.

This is a Project Fact Sheet for the Kodiak Airport Apron and Taxiways C, D, and F Rehabilitation Project. It includes a title, a 'Frequently Asked Questions' section, and a detailed 'Overview' section. The overview describes the project's purpose, the types of improvements, and lists specific tasks under three categories: NTP 1, NTP 2, and NTP 3. A map of the airport is included with a legend identifying Apron and Taxiway E, Taxiway C and D, Taxiway F and Runway 11/29, and Connector Access. The project number SFAPT00227 is noted at the bottom.

Kodiak Airport Apron and Taxiways C, D, and F Rehabilitation Project

Frequently Asked Questions

- 1. What is the purpose of this project?**

The existing facility has experienced a fair amount of deterioration in recent years as its asphalt surfaces approach 20 years of age. Because they are reaching the end of their useful life, the existing pavement structures and airfield lighting need to be replaced.
- 2. What type of improvements are being made to the Apron, C, D, and F?**

The Alaska Department of Transportation and Public Facilities (DOT&PF) is proposing maintenance improvements to the Kodiak Airport Facility. The existing facility has experienced a fair amount of deterioration in recent years as its asphalt surfaces approach 20 years of age. Because they are reaching the end of their useful life, the existing pavement structures and airfield lighting are to be replaced. Development of this proposed project would follow a process required by the National Environmental Policy Act (NEPA). Based on project location and scope of work, the required NEPA environmental document is anticipated to be a Focused Environmental Assessment (EA).

Proposed Project Improvements

The proposed improvements captured in the 25% review are anticipated to be split into three Construction Notices to Proceed (NTP) as outlined below, which will span over 3 construction seasons:

 - NTP 1 Tasks**
 - Reconstruct the apron and Taxiway F.
 - Pave access road driveways on the apron.
 - Replace edge lights, home runs, and transformers on the apron and Taxiway F.
 - Install apron edge lighting on the west end of the apron.
 - Remove and install new storm drainage infrastructure in the vicinity of the apron, including trench drains, structures, and pipe.
 - Install two oil/water separators, one on each side of the apron.
 - NTP 2 Tasks**
 - Resurface Taxiways C and D with a crowned grade.
 - Extend Taxiway D to the end of Runway 8.
 - Conduct heave repair on Taxiway C and Runway 1/19.
 - Relocate access road that parallels Taxiways C and D to outside the taxiway object-free area (TOFA).
 - Pave access road driveways onto Taxiways C, D, and F to the TOFA back to the gate. Turning radii to Taxiway C will accommodate the largest Aircraft Rescue and Fire Fighting vehicle used.
 - Repair damage from aircraft turning movements at Runway 8.
 - Remove existing connector Taxiway D pavement and reestablish infield grassy areas.
 - Remove existing storm infrastructure and pipes. Install new storm infrastructure and regrade infield areas to Federal Aviation Administration standards.
 - NTP 3 Tasks**
 - Resurface Runway 11/29 and Taxiway E with a crowned grade.
 - Conduct heave repair on Runway 11/29 and Taxiway E.
 - Pave access road driveways to Runway 11/29 and Taxiway E.
 - Replace edge lights, home runs, and transformers on Runway 11/29 and Taxiway E.
 - Remove existing storm infrastructure and regrade infield areas to Federal Aviation Administration standards.
- 3. Who is performing the project?**

DOT&PF is performing the project with the assistance of Federal Engineers, Inc.
- 4. When will construction begin?**

Construction is anticipated to begin in the fall of 2021.

Project # SFAPT00227





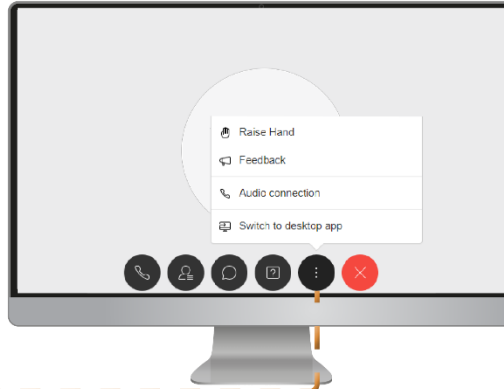
Questions





Raising Your Hand

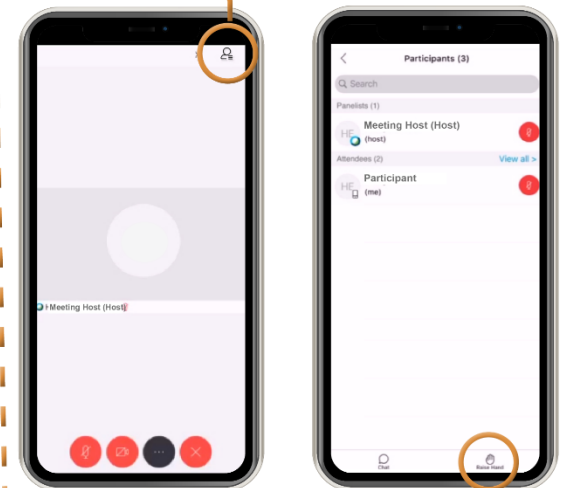
Internet Browser

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3. Wait to be unmuted by host
4. Select “Lower Hand” after speaking





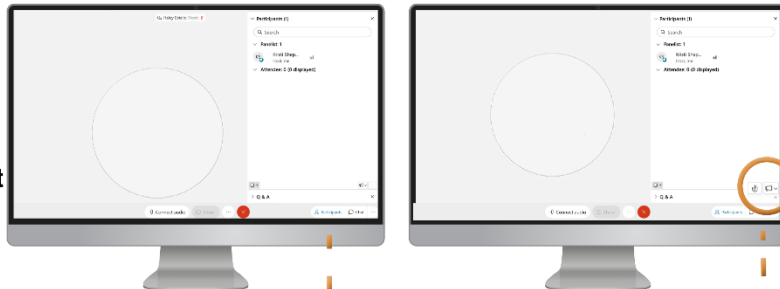
Mobile App

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Webex Software

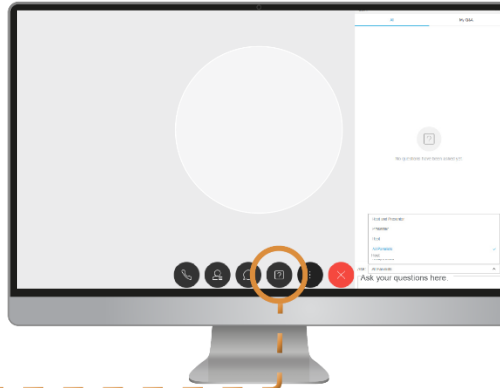
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4. Select “Lower Hand” after speaking





Asking a Question

Internet Browser

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3. Select recipient (Host, Panelists or both)
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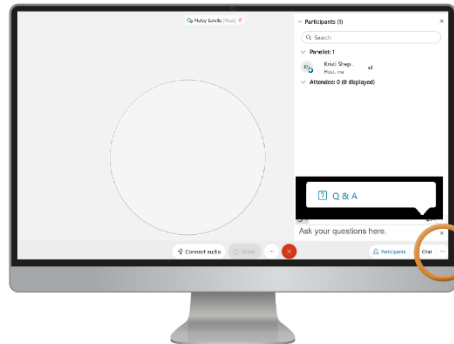
Mobile App

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3. Type your question in the box
4. Select recipients (Hosts, Panelists or both)
5. Click "Send"



Webex Software

1. Select  icon
2. Type your question
3. Select recipient (Host, Panelists or both)
4. Click "Send"





**THANK
YOU**

