

Ryan Anderson, Commissioner
Katherine Keith, Deputy Commissioner
Craig Tornga, AMHS Marine Director
Shannon McCarthy, Communications Director
Andy Mills, Legislative Liaison

August 22, 2023

Yes, they are Real.





Courtesy of Midjourne



Modern, Resilient, and Agile

Alaska Transportation and the 2024-2027 STIP





What is the Statewide Transportation Improvement Program?

The Statewide Transportation Improvement Program (STIP)

49 U.S.C. 5304(g) – State Requirements

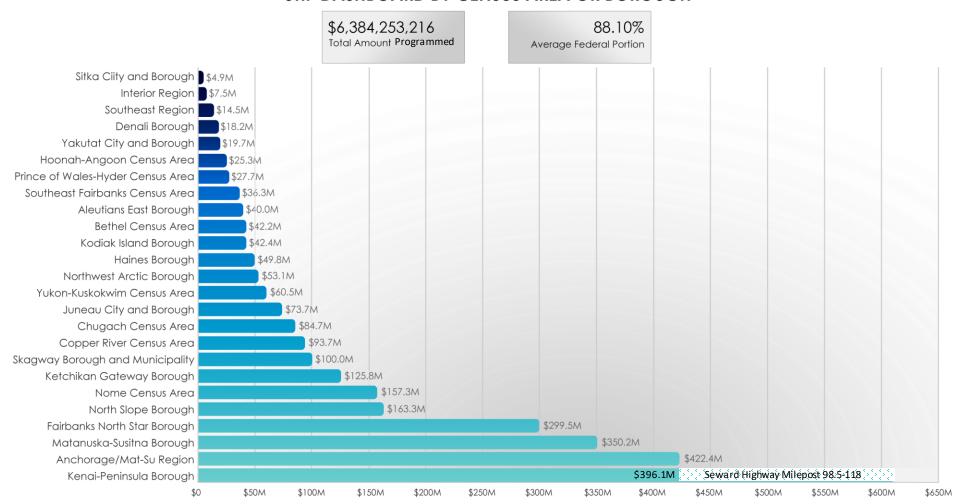
- Staged, multi-year, intermodal program:
 - Supports Economic Vitality
 - Increases Safety and Security
 - Increases Accessibility and Mobility
 - Protects and Enhances the Environment, promotes energy conservation, and consistency in application
 - Enhance Connectivity across modes
 - Promote Efficient System Management
 - Emphasize Preservation
 - Improve Resiliency and Reliability





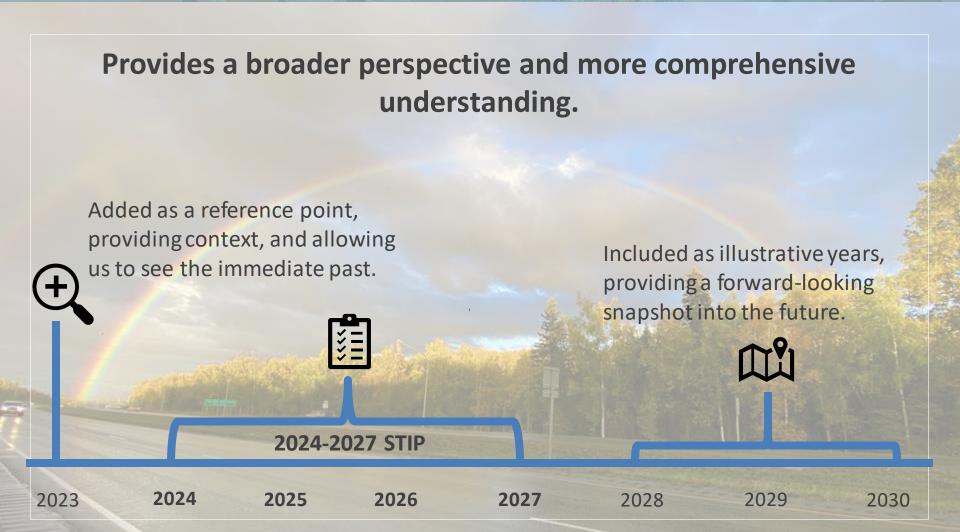
Why Change Now?

STIP DASHBOARD BY CENSUS AREA OR BOROUGH





How was the Draft 2024-2027 STIP Built?





2024-2027 STIP: Opportunities and Challenges

MODERN: We use new ways of working to recruit, solve problems, share information with the public, and efficiently deliver transportation improvements.

RESILIENT: We build cross-functional teams, across regional boundaries, to deliver results faster. Our teams share information, collaborate, innovate to solve problems, respond to emergencies, and deliver projects.

AGILE: We partner with communities, private sector partners and other agencies to build transportation infrastructure for Alaskans. We leverage technology and implement alternative project delivery to accomplish our mission.



SAFETY: Safe and secure transportation system prevents crashes, injuries and deaths.

ECONOMIC VITALITY: Healthy and thriving multi-modal system that efficiently moves people, fuel, and freight, reducing costs and enhancing economic development.

STATE OF GOOD REPAIR: Reliable transportation system with seamless access across modes.

RESILIENCY: Agile and resilient transportation system that protects communities from extreme weather climate trends and natural disasters, which is able to adapt and recover when disruptions occur.

SUSTAINABILITY: Modern and sustainable transportation system that reduces the cost of energy, saves Alaskans money, and provides for a cleaner environment and reduced greenhouse gas emissions.











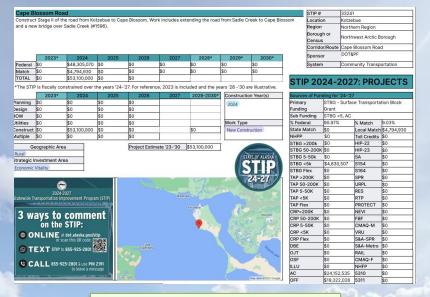
The Modern STIP

New Tools for Understanding



way.

Modernizing the Statewide Transportation Improvement Plan



Deep-Dives: Projects & Programs

pit Road Erosion Mitigation

Project will design, permit and implement measures for long term, sustainable erosion mitigation on Homer Spit, a remnant glacial mound that extends 4.5 miles into Kachemak Bay. Homer Spit supports state-owned Homer Spit Road, Homer Port & Harbor, critical Federal and State infrastructure, and is a regional commerce hub. Waves overtop and erode the road's shoulders, undermine the roadbed, damage the road surface, and cause devastating erosion to public and private properties.

Project Estimate for	2023	2024-2027	2028-2030
Illustrative Purposes		\$38,000,000	\$0

For more information or to leave a comment go to to www.dot.alaska.gov/STIP

STIP 2024-2027 COMMUNITY-DRIVEN PROJECTS

Deep-Dives: Community-Driven Projects

Cape Blossom Road								33241
Project Costs	2023	2024	2025	2026	2027	2028	2029	2030
Project costs	\$0	\$53,100,000	\$0	\$0				

DOT Region DOT: Northern Location Kotzebue Borough or Northwest Arctic Borough

Construction Year(s) 2024

Total Project Estimate '23-'30 \$53,100,000 Primary Funding

NEED ID #

Location

System

Borough or Census

Geographic Area

Strategic Investment

34254

Gulf Coast Region

City of Home

This project may be sponsored by a local government or by the State of Alaska

enai Peninsula Borough

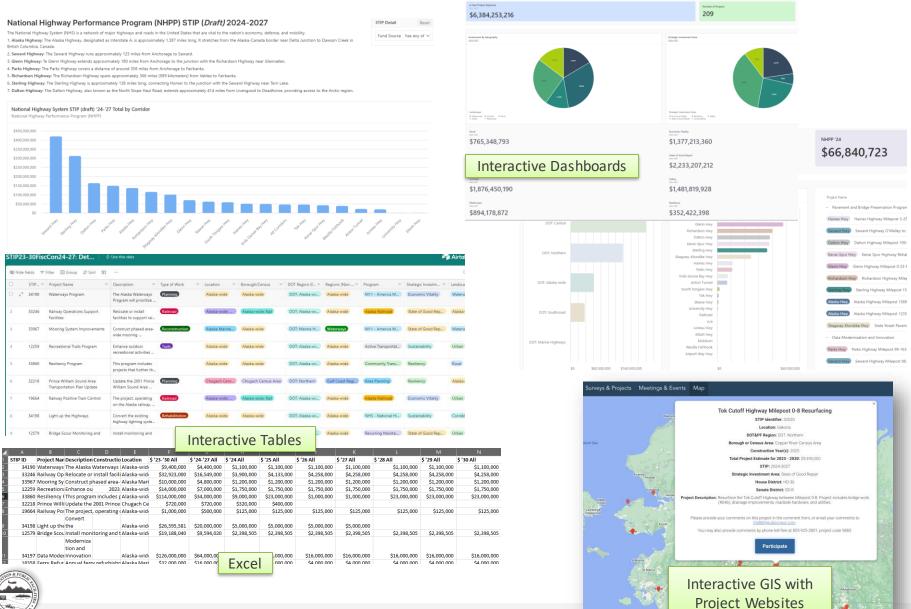
Discretionary Grant Program

STBG - Surface Transportation Block Grant



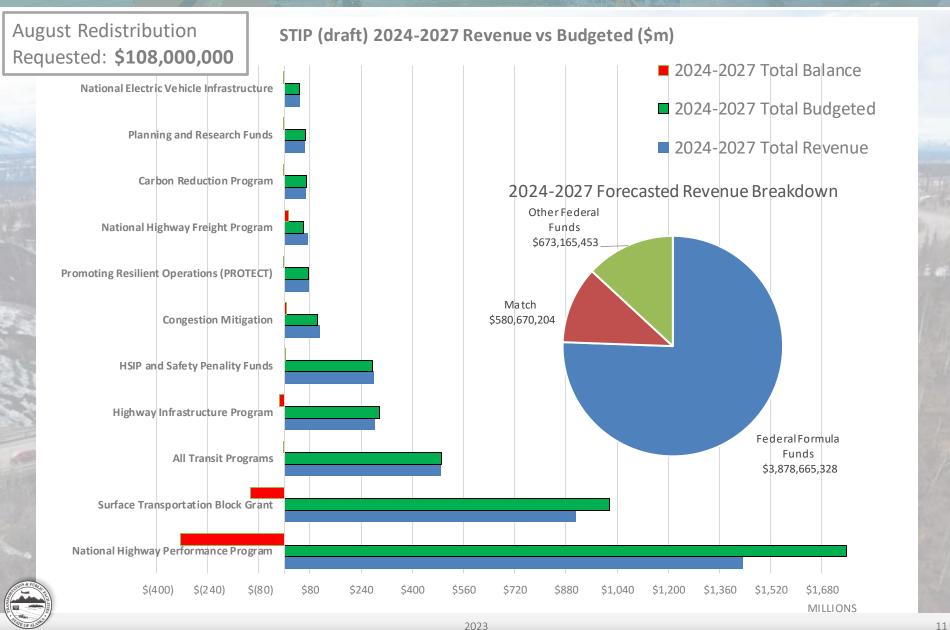
Snapshot Grids

Modern Tools: A Tutorial

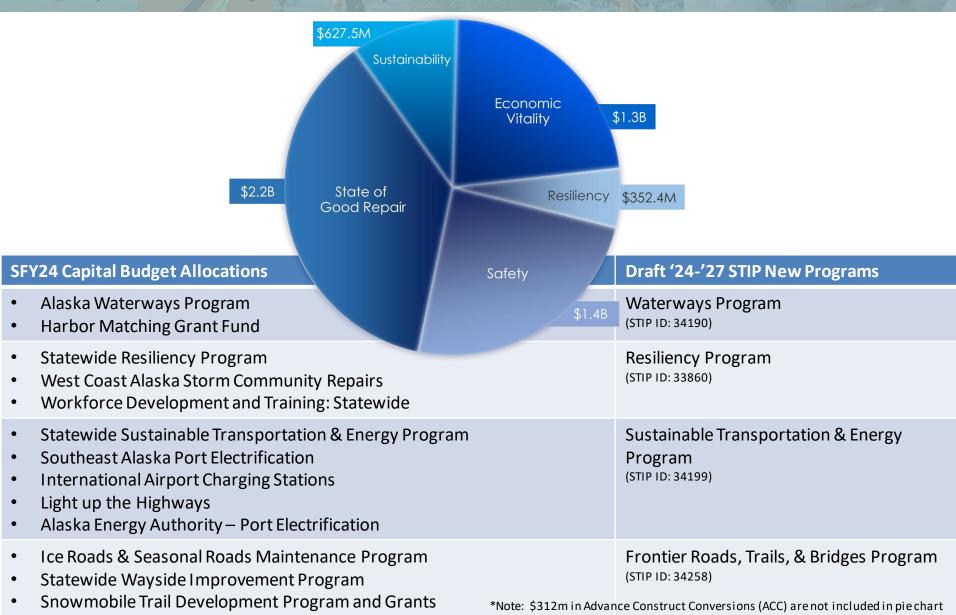




New Tools: Our Transportation Needs and our Funding



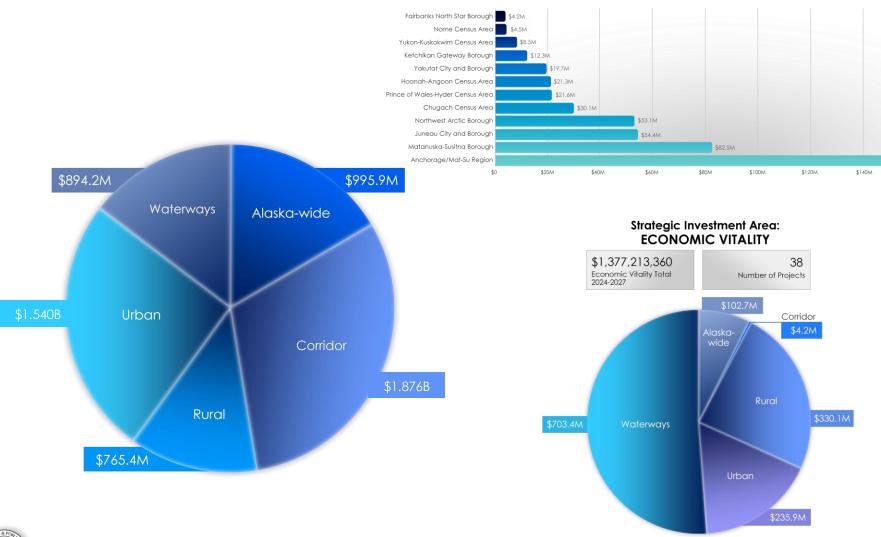
Our Dynamic Transportation System: How We Invest Matters



Our Big State - Where we invest matters

TOTAL ECONOMIC VITALITY BY CENSUS AREA/BOROUGH

\$152.1M \$160M





*Note: \$312m in Advance Construct Conversions (ACC) are not included in pie chart. Numbers are approximations.



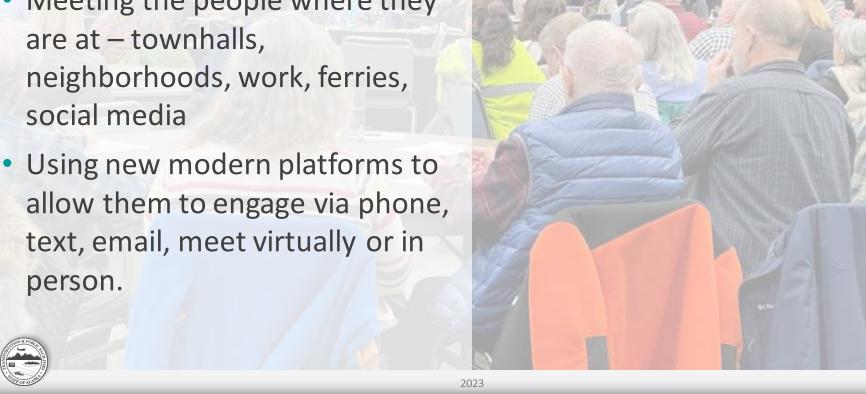
Modern Tools for Engagement Listening to Alaskans



War war

Infrastructure Investment and Jobs Act: Transportation Departments

- Public Opinion Surveys
- Presentations
- Mentimeters
- Listening Sessions
- Meeting the people where they are at - townhalls, neighborhoods, work, ferries, social media
- text, email, meet virtually or in person.





Engagement Best Practices



Best Practices:

- Connect with the public on multiple levels
- Establish feedback loops
- Provide information across multiple channels
- Meet with people In person, virtually or telephonically

Good Engagement:

- Is Community-Centered
- Is Culturally Sensitive
- Is Ongoing
- Is Transparent

Public Comments: How are we doing?

STIP Website Views: 10,179

Website Comments: 258

Press Release Opens: 6,638

Social Media Views: 2,781

Subscriber Alerts: 1,362

Traditional Mail: 1,100

Direct Email: **879** emails to tribal, city and borough governments, state and federal agencies and NGO's.

Earned Media: **7**+ outlets

Online Public Notices: 4

Social Media Posts: 4

Legals ads: 3

In-Person Public Meeting: 3

Virtual Public Meeting: 1

Radio PSA's: ongoing

Multiple ways to comment: email, phone and text message, and postal mail.



Path Forward: An Agile Plan

First Round:

- Earned Media
- Regulatory Notice
- Legal Ads
- Social Media
- Public Meetings

Second Round:

- Adjusting to public's needs
- Meetings with MPO's EDs and RPO's
- Tutorial videos and how to guides
- Direct contact with local government via email, phone calls and briefings
- Tribal consultation
- Radio PSA's

What's next?





Next Steps: After the Comment Period

DOT&PF encourages comment – positive or negative Staff is reviewing content as it comes in – we are listening Once comment closes – department reviews, makes adjustments, and responds with transparency.

Public dialog does not stop with the end of the STIP comment period – we will still accept comments and inquiries as we move forward with the plan, projects and programs.



- © CAL 855-925-2801 & use PIN 2191 to leave a message









Way.

Consolidated Programs

Data Modernization and Innovation

- 2024-2027: \$64M
- 14 Independent Programs

Pavement and Bridge

- 2024-2027: \$506M
- 3 Independent Programs

Highway Safety Improvement Program

- 2024-2027: \$305M
- 4 Independent Programs

ADA Program

- 2024-2027: \$27M
- 3 Independent Programs





New Programs





Frontier Roads, Trails, and Bridges Surface Transportation Links for Alaska's Frontier

- New State Specific Road Standards
- Ice Roads, Snow Roads
- Frontier Style Gravel Roads; Hardened Trails
- Bridges
- Waysides

Rural Community Connections Community Connections that Reduce the Cost of Living, Stimulate Economic Development, and Increase the Quality of Life

- Community Connection Inventories
- Beyond Moving People, Fuel, and Freight

Rural Housing Roads Helping to Solve Alaska's Housing Crisis

Basic Infrastructure to Bring Down Costs

Waterways Connecting Alaska's Multi Modal Transportation Network

- M-11 National Marine Highway Designation
- Supporting freight corridors through infrastructure

Safer Seward Highway

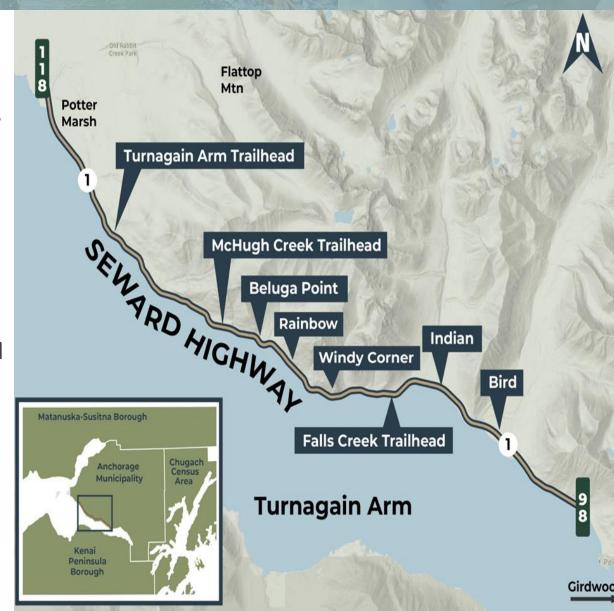
Seward Highway Milepost 98.5-118

- Improve safety for all users
- Correct roadway deficiencies
- Reduce congestion

Construction begins 2025

2024-2027 Draft STIP: \$215M







Bridge Investments

2024-2027 Bridge Highlights:

Alaska Highway Bridges

Approx. \$1B in bridge work

Alaska Highway Bridges (\$170M)

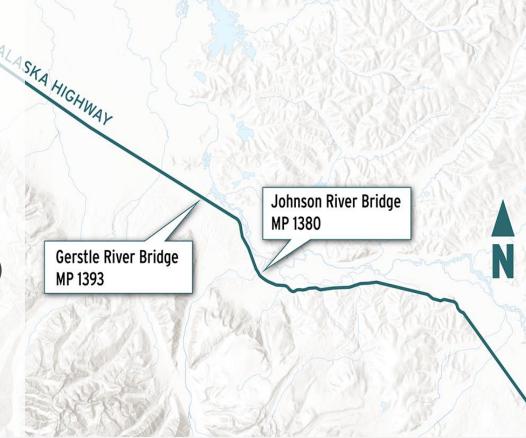
- Johnson River Bridge Replacement
- Gerstle River Bridge Replacement
- Robertson River Bridge Replacement

Juneau Creek Bridge (\$165M)

- Highest Crossing in the State at 285'
- Longest Single Span

Other Bridge Replacements:

- Steese Highway Milepost 5 (Fairbanks)
- Gold Creek/Tatalina (Tokotna)
- Ward Creek (Ketchikan)
- Hoadly Creek (Ketchikan)
- Hammond River (Dalton Highway)





West Susitna Access

West Susitna Access Road

APPROXIMATE ACCESS **ROAD STUDY AREA**

- Construct approx. 18 miles of frontier road
- Access to state lands west of Susitna River
- Recreation, agriculture, forestry, and mining
- Public roads

2024-2027 Draft STIP: \$82.5M



Trapper Creek







Way.

Federal Program Summary

Federal financial strategy we are working under and pursuing

- Federal Highway Authority (FHWA)
- Federal Transit Authority (FTA)
- Surface Transportation Block Grant (STBG)
- Maritime Administration (MARAD)
- USDOT Multimodal Grant (MPDG)

Toll Credits

	Sum of \$ '24 AMHS	Sum of \$ '25 AMHS	Sum of \$ '26 AMHS	Sum of \$ '27 AMHS
OFF- Other Federal Funds	\$ 187,757,394.00	\$ 336,010,000.00	\$ 47,000,000.00	\$ 17,389,886.00
OSF - Other State Funds	\$ 22,000,000.00	\$ 22,000,000.00	\$ 22,000,000.00	\$ 22,000,000.00
STBG - Surface Transportation Block Grant	\$ 39,840,000.00	\$ 39,840,000.00	\$ 39,840,000.00	\$ 39,840,000.00
Grand Total	\$ 249,597,394.00	\$ 397,850,000.00	\$ 108,840,000.00	\$ 79,229,886.00



New Vessel Construction

Tustumena Replacement Vessel

- 2024 \$70M
- 2025 \$280M

Mainliner Replacement Vessel

• 2024 - \$26.8M

Hybrid No-Low Emissions Ferry

• 2025 - \$45M



Upgrades to the Existing Fleet



Columbia – Upgrade Controllable Pitch Propellers: 2024 - \$13.7M

Kennicott – EPA Required Emission Upgrade: 2024 – \$13.9M

Matanuska – Regulatory safety required improvements: 2024 - \$36M

Current projects modernizing our tools: installation of Starlink,
a Vessel Management System, and a Computerized Maintenance

Management System.

Operations, Maintenance & Repair

Terminal Refurbishment – 2024-2027: \$2M annually

Fleet Condition Surveys – 2024-2027: \$400K annually

Shipyard Repairs - 2024-2027: \$500K annually

Vessel Overhauls – 2024-2027: \$22M annually



Dock Upgrades and Replacements Highlights





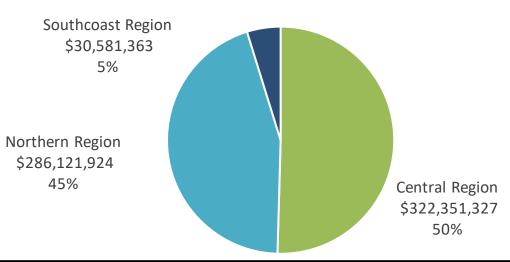
Wrap up

Investing to Move the Needle

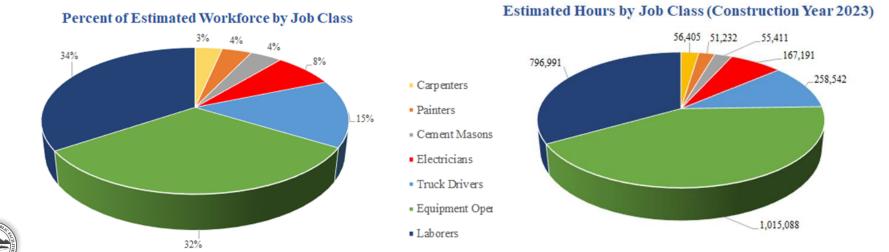
Goal in all of this...

The capital budget and the projects in the STIP work together to provide needed infrastructure for Alaskans, good-paying jobs for our workforce, and provide access for commerce, medical, and recreational activities.

Regional Construction Contracts Awarded FFY23 to date (10/1/22-8/15/23)



STIP ID:34200 Transportation Workforce Development & Training \$20m



A PORTOR AL SEL

Wrap up

Discretionary Grants and Match

We must be "Creative and Aggressive"

\$ Awarded Nationwide

\$52,441,636,171



2023 GRANTS SUBMITTED (PENDING):

~\$261m FTA Rural Ferry Program

~\$968m MPDG Submitted

Mega (\$413m)

Infra (\$315m)

Rural (\$240m)

~\$43m PROTECT

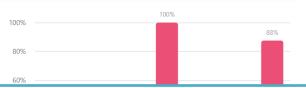


~\$285M Alaska Marine Highway (FFY22 FTA, vessels and terminals)

~\$35M Culvert APO (FHWA, Fish-Passage)

~\$2M ARROW (FAA, rural drones)

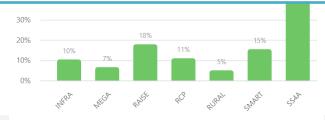
2022 Success Rate of Alaska (Submitted applications versus awards)



2022 Success Rate Alaska (Submitted applications vs awards)



2022 Success Rate Nationwide (Submitted applications vs awards)





Wrap up Discretionary Grants and Match

Transportation funding flows directly to entities (not necessarily through DOT&PF) and BIL changed the requirements for those projects to be represented in the STIP.

Example of non-DOT&PF projects in the STIP:

- Community-Driven Illustrative: 23 projects \$260,814,416
- Congressionally Delegate Spending (CDS): 3 projects \$42,595,793
- Tribal Transportation Projects: 121 projects \$410,198,570

Direct Recipients of Discretionary Grants Through 7/7/2023

- Total Transportation-Related Awards for Alaska: \$654,408,121
- Direct Recipients: \$365,862,124
- DOT&PF: \$288,545,997



Wrap up

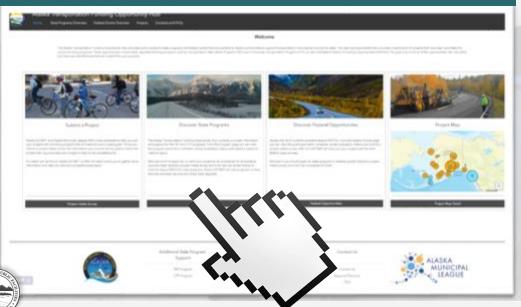
Working Across Boundaries: Federal, State, Local

Coordination and Transparency:

- Infrastructure Coordinator
- Federal Partners
- Congressional Delegation
- Associations and Businesses

- Public
- Legislature
- MPOs/Local Gov't
- Tribal Partners
- Unions

Alaska Transportation Funding Opportunity Hub online portal and partnership with Alaska Municipal League to coordinate grant visibility and submissions.



Innovation Sneak Peak (Project in BETA)



improvement of this section of the Dalton Highway and the replacement of Douglas Creek Bridge #1560 at Milepost 142. The key activities include highway reconstruction, widening, repairs, resurfacing, and bridge replacement, carried out in stages from Milepost 109-120, 120-135, and 135-144.

What is the cost for Dalton Highway Milepost 109-144 Reconstruction and Douglas Creek Bridge Replacement?

The cost for Dalton Highway Milepost 109-144 Reconstruction and Douglas Creek Bridge Replacement is \$106,600,000.00.

Write a message...

(Send)

DOT&PF and partners are working on the tools of tomorrow...



Wrap up Please Contribute!

Policymakers and public alike – being engaged is what results in action, through consensus.

Our actions prove...

We're not satisfied with status quo.

We aim to be:

More Modern

More Resilient

More Agile

Critical questions for Continuous Improvement:

- What do you like about the Modern STIP?
- What do you want to see changed/improved?
- What can DOT&PF do better and HOW do we do that?



Thank You. Questions?

Office of the Commissioner dot.commissioner@alaska.gov 907-465-3911





- **STEXT STIP** to **855-925-2801**
- © CALL 855-925-2801 & use PIN 2191 to leave a message

