



# Alaska Department of Transportation & Public Facilities

## Senate Finance: Bipartisan Infrastructure Law in Transportation

**Mike Anderson**, Infrastructure Coordinator (Acting), Office of the Governor  
**Katherine Keith**, Deputy Commissioner, DOT&PF

February 15, 2023

Our mission is to *Keep Alaska Moving* through service and infrastructure.

# NATIONWIDE IIFA\* IN TRANSPORTATION

**Funds highway programs for five years (FFY 22-26) with \$567.1 B**

**More than a dozen new programs for highways, bridges, transit, and airports**

- **Formula:** resilience, carbon reduction, bridges, and electric vehicle (EV) charging infrastructure
- **Discretionary:** bridges, EV charging infrastructure, rural projects, resilience, wildlife crossings, and reconnecting communities

**More opportunities for local governments and other non-traditional entities to access new funding**

| <b>Program</b>  | <b>(\$ B, FFY 22-26)</b> |
|---|--------------------------|
| <b>Federal Aviation Administration</b>                | \$25.0                   |
| <b>Federal Highway Administration</b>                 | \$350.8                  |
| <b>Federal Transit Administration</b>                 | \$91.2                   |
| <b>Maritime Administration</b>                        | \$2.3                    |
| <b>National Highway Traffic Safety Administration</b> | \$6.7                    |

\* *Infrastructure, Investment, and Jobs Action (IIJA), also known as the “Bipartisan Infrastructure Law (BIL)”*





# US DOT IIJA FOCUS AREAS



**Safety**  
**Climate**  
**Economic Strength**  
**Equity**  
**Transformation**  
**Workforce**

# FUNDING AVAILABLE TO A RANGE OF RECIPIENTS

| Program Examples                            | State | MPO | Local | Tribe |
|---|-------|-----|-------|-------|
| Apportioned programs                        | ✓     |     |       |       |
| Bridge Program                              | ✓     |     |       | ✓     |
| National Electric Vehicle Formula Program   | ✓     |     | ✓     |       |
| Safe Streets and Roads for All program      |       | ✓   | ✓     | ✓     |
| PROTECT Grants                              | ✓     | ✓   | ✓     | ✓     |
| Charging and Fueling Infrastructure Program | ✓     | ✓   | ✓     | ✓     |
| Congestion Relief Program                   | ✓     | ✓   | ✓     |       |
| Bridge Investment Program                   | ✓     | ✓   | ✓     | ✓     |
| Reconnecting Communities Pilot Program      | ✓     | ✓   | ✓     | ✓     |
| Rural Surface Transportation Grants         | ✓     |     | ✓     | ✓     |
| National Infrastructure Project Assistance  | ✓     | ✓   | ✓     | ✓     |
| Local and Regional Project Assistance       | ✓     | ✓   | ✓     | ✓     |
| Tribal Transportation Program Safety Fund   |       |     |       | ✓     |



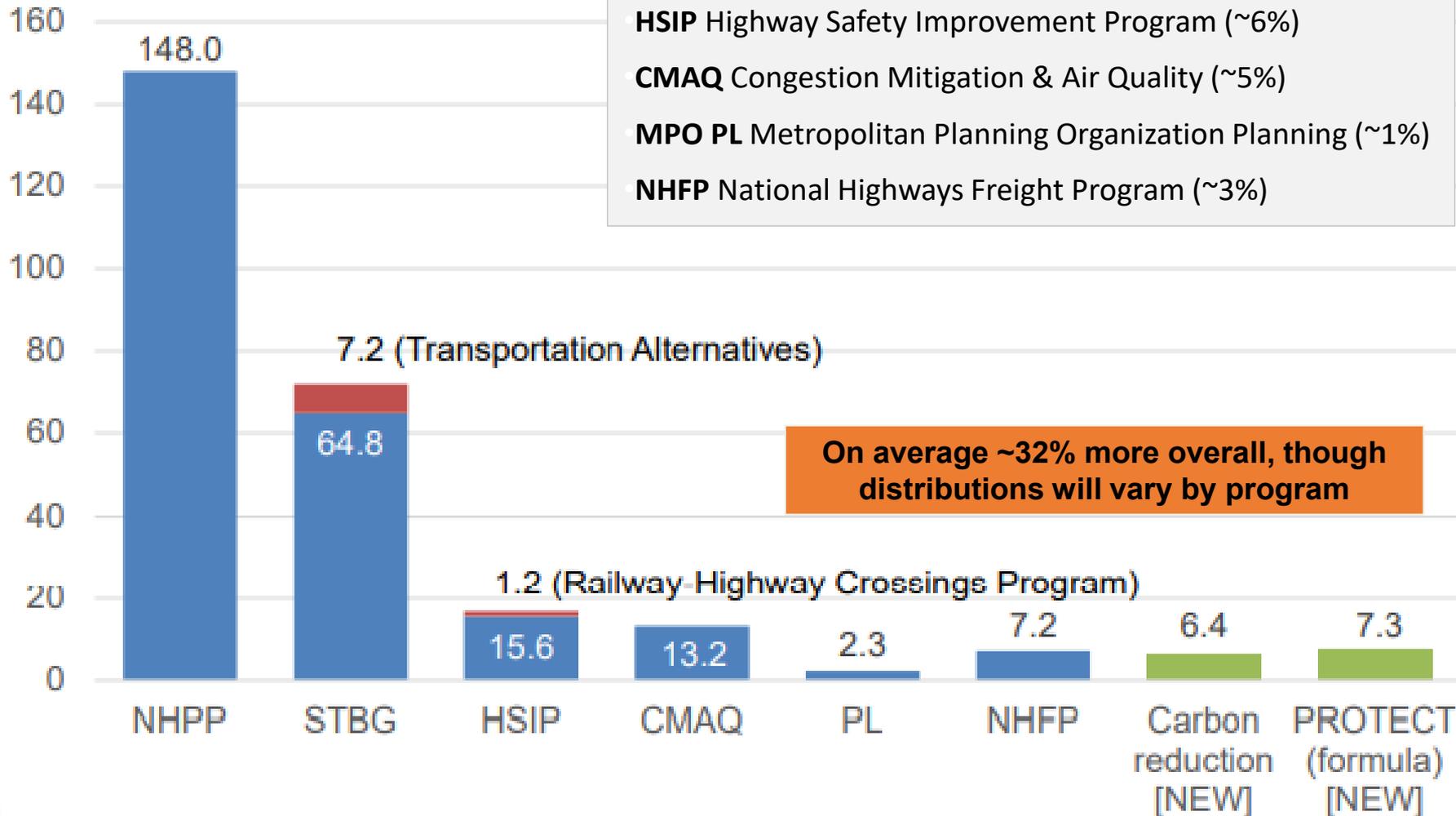
MPO: Municipal Planning Organization

Note: This table does not include all BIL programs or eligible entities

# NATIONWIDE FEDERAL-AID HIGHWAY APPORTIONMENTS PROGRAMS

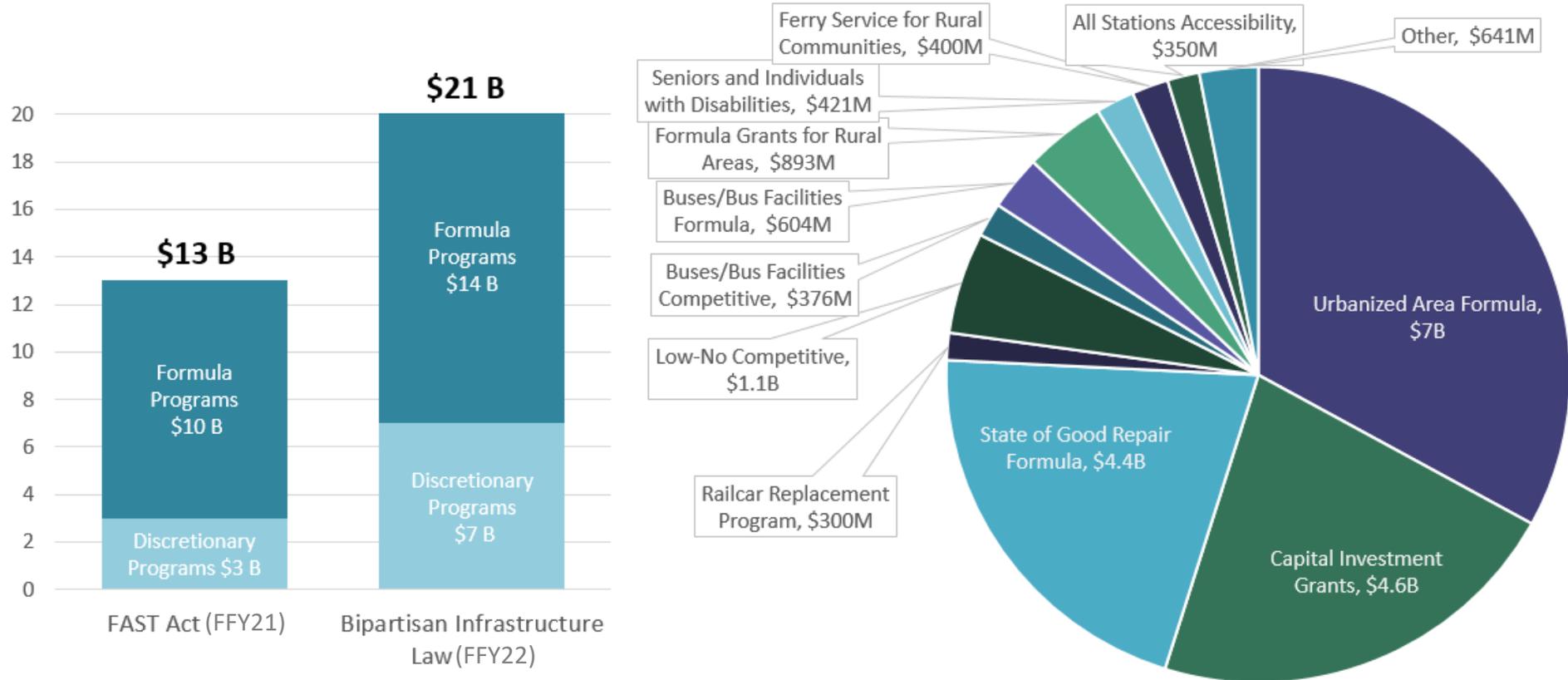
- **NHPP** National Highways Performance Program (~58%)
- **STBG** Surface Transportation Block Grants (~27%)
- **HSIP** Highway Safety Improvement Program (~6%)
- **CMAQ** Congestion Mitigation & Air Quality (~5%)
- **MPO PL** Metropolitan Planning Organization Planning (~1%)
- **NHFP** National Highways Freight Program (~3%)

\$B, FFY 22-26



# FEDERAL TRANSIT ADMINISTRATION: NATIONWIDE IIJA

## Increased Formula and Competitive Funding



*Note: Total funding shown includes authorized trust fund contract authority, authorized annual appropriations for FY22 and certain advance appropriations for FY22 enacted as a part of the Bipartisan Infrastructure Law. Annual appropriations are subject to Congressional action.*



FAST: Fixing America's Surface Transportation

# FAA FUNDING: NATIONWIDE AIR TRANSPORT SYSTEM

**\$5B**

## AIR TRAFFIC FACILITIES

To replace facilities and equipment and improve safety, security, and environmental standards.

### \$1 B/yr – Over 5 Years

- Addresses Physical Condition of Air Traffic Control (ATC) facilities
- Year 1 Funding
  - Sustainment
- Year 2-5 Funding
  - Continued Sustainment and ATC Facilities Replacement Ramps Up

**\$15B**

## AIRPORT INFRASTRUCTURE

For airport projects that increase safety and expand capacity.

### \$3 B/yr – Over 5 Years

- Formula Grants Based on Airport Improvement Program
- Up to \$2.4 B/yr Primary Airports
- Up to \$500 m/yr Non-Primary Airports
- \$20 m/yr for competitive grants for tower construction
- 3% funding may be used for administrative expenses

**\$5B**

## AIRPORT TERMINALS

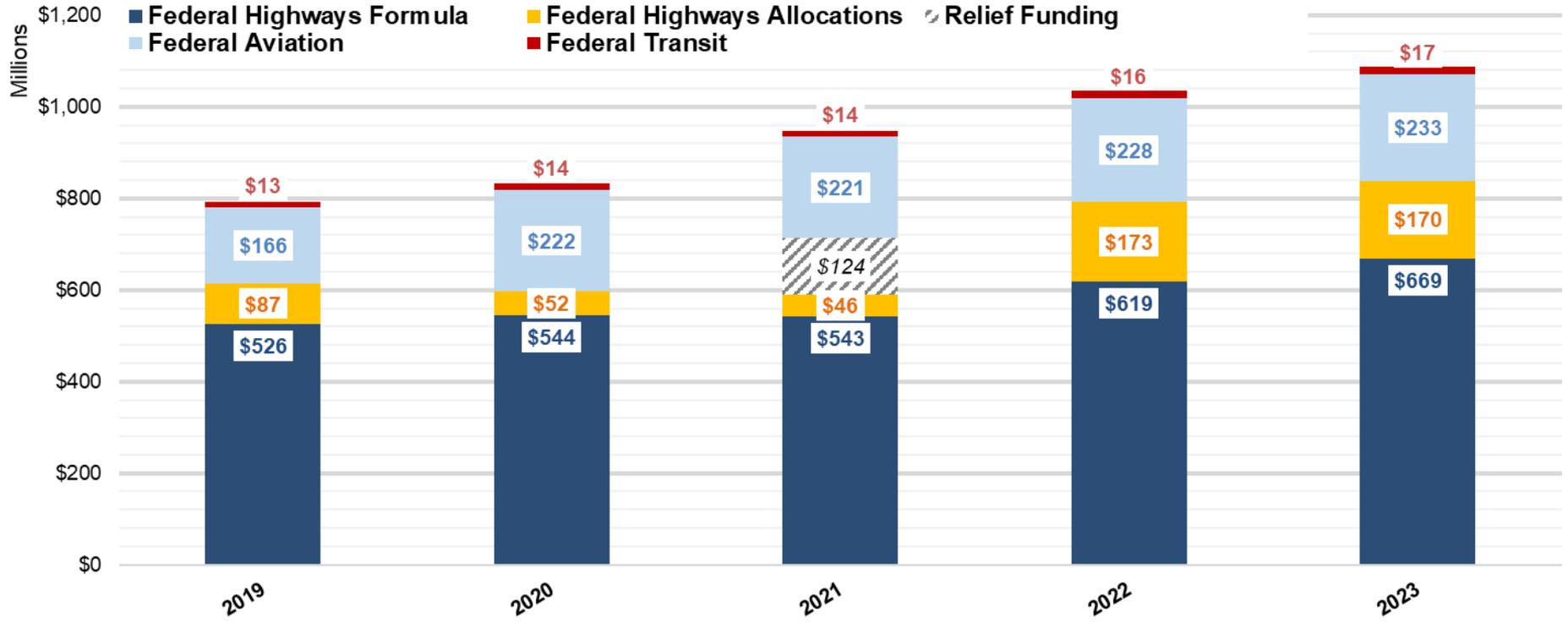
To replace aging terminals and airport-owned towers, increase terminal energy efficiency and accessibility, and more.

### \$1 B/yr – Over 5 Years

- Competitive Grant Program
- Airport terminals and airport-owned air traffic control towers
- Goals
  - Improve airfield safety
  - Replacing aging facilities
  - Increase capacity and passenger access
  - Encourage competition



# FEDERAL TRANSPORTATION FUNDING IN ALASKA



| Fiscal Year          | Federal Highways       |                        | Relief Funding       | Federal Aviation       | Federal Transit      | Total                  |
|----------------------|------------------------|------------------------|----------------------|------------------------|----------------------|------------------------|
|                      | <i>Formula</i>         | <i>Allocations</i>     |                      |                        |                      |                        |
| 2019                 | \$526,269,793          | \$87,364,461           |                      | \$166,000,000          | \$13,493,968         | \$793,128,222          |
| 2020                 | \$544,386,280          | \$52,008,236           |                      | \$222,200,000          | \$13,654,331         | \$832,248,847          |
| 2021                 | \$543,009,285          | \$46,434,890           | \$124,402,044        | \$220,500,000          | \$13,677,640         | \$948,023,859          |
| 2022                 | \$619,147,829          | \$172,669,691          |                      | \$227,500,000          | \$16,486,340         | \$1,035,803,860        |
| 2023*                | \$669,036,764          | <b>\$169,509,538**</b> |                      | <b>\$232,500,000**</b> | \$16,747,556         | \$1,087,793,858        |
| <b>10 Year Total</b> | <b>\$5,341,913,925</b> | <b>\$611,858,895</b>   | <b>\$124,402,044</b> | <b>\$1,974,900,000</b> | <b>\$127,606,344</b> | <b>\$8,180,681,208</b> |

\*Additional revenue anticipated from discretionary grant awards in 2023

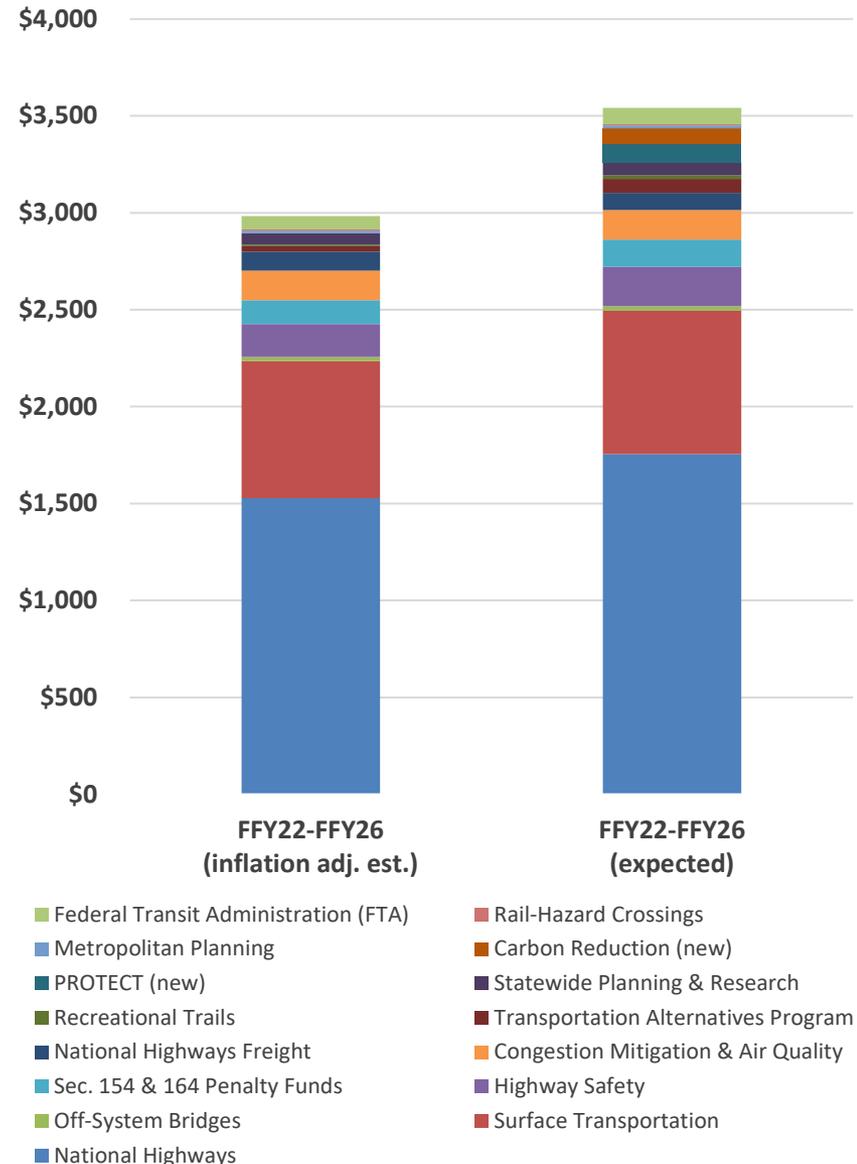
\*\*Projected; Awaiting full year funding to be provided, post omnibus approval



# FEDERAL FORMULA PROGRAMS

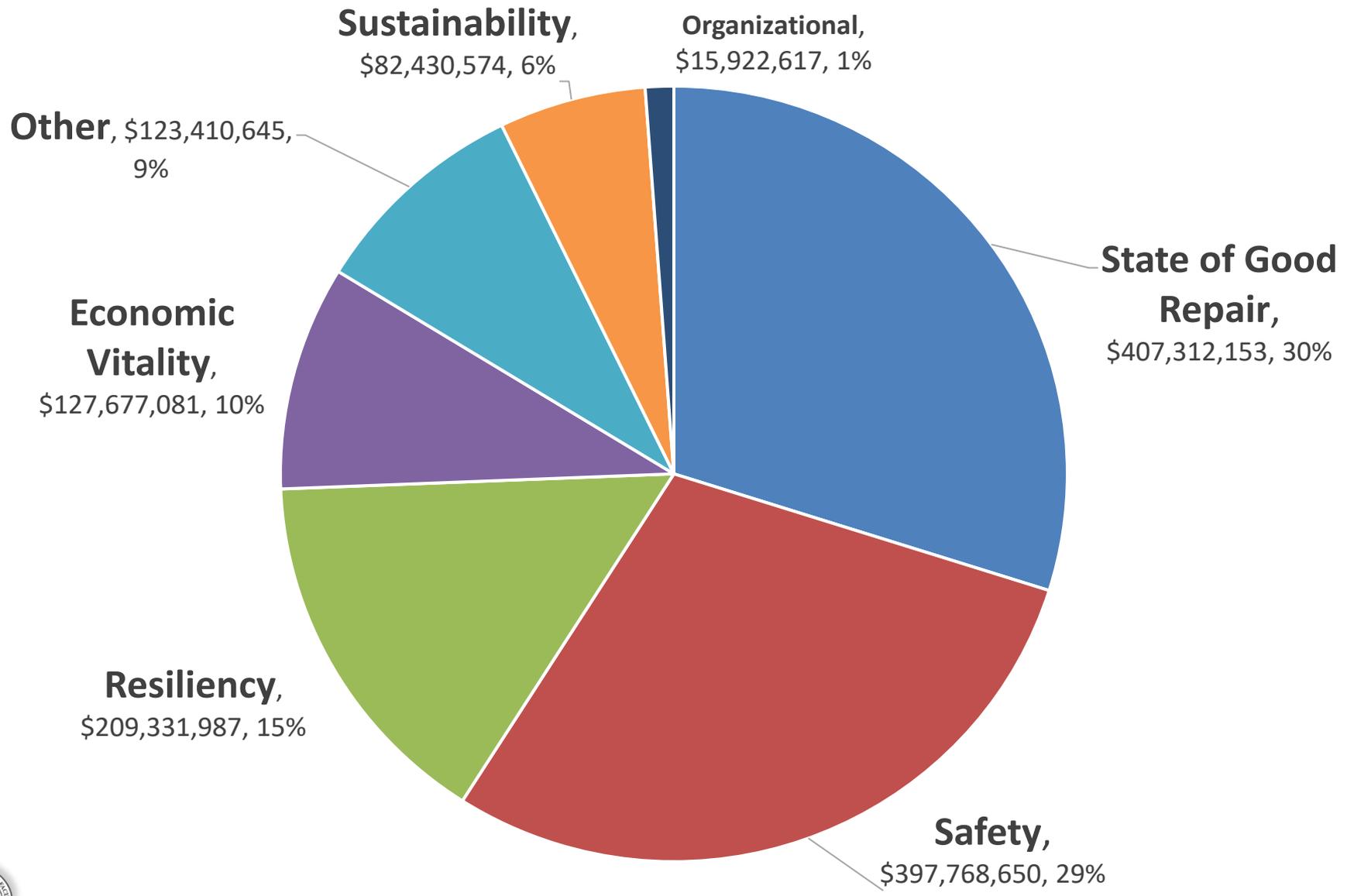
(IN MILLIONS)

|                             | FAST                              | IIJA                   | FAST vs. IIJA 5-Year DELTA | Growth % of Total |
|-----------------------------|-----------------------------------|------------------------|----------------------------|-------------------|
|                             | FFY22-FFY26 (inflation adj. est.) | FFY22-FFY26 (expected) |                            |                   |
| National Highways           | \$1,527.90                        | \$1,755.40             | \$227.50                   | 41.90%            |
| Surface Transportation      | \$706.70                          | \$739.20               | \$32.60                    | 6.00%             |
| Off-System Bridges          | \$21.90                           | \$22.90                | \$1.00                     | 0.20%             |
| Highway Safety              | \$169.80                          | \$203.50               | \$33.70                    | 6.20%             |
| Sec. 154 & 164 Penalty      | \$123.30                          | \$140.30               | \$17.00                    | 3.10%             |
| Congestion Mitigation & Air | \$152.60                          | \$152.90               | \$0.40                     | 0.10%             |
| National Highways Freight   | \$98.30                           | \$88.70                | (\$9.60)                   | -1.80%            |
| Transportation Alternatives | \$27.90                           | \$71.10                | \$43.20                    | 8.00%             |
| Recreational Trails         | \$8.10                            | \$20.70                | \$12.60                    | 2.30%             |
| Statewide Planning          | \$57.90                           | \$65.20                | \$7.30                     | 1.30%             |
| PROTECT (new)               | \$0.00                            | \$93.10                | \$93.10                    | 17.10%            |
| Carbon Reduction (new)      | \$0.00                            | \$81.90                | \$81.90                    | 15.10%            |
| Metropolitan Planning       | \$12.90                           | \$15.60                | \$2.70                     | 0.50%             |
| Rail-Hazard Crossings       | \$6.50                            | \$6.40                 | (\$0.10)                   | 0.00%             |
| Federal Transit             | \$68.80                           | \$85.00                | \$16.20                    | 2.90%             |
| <b>TOTAL</b>                | <b>\$2,982.60</b>                 | <b>\$3,541.90</b>      | <b>\$559.50</b>            |                   |



# DOT&PF STRATEGIC INVESTMENT AREAS

## SFY24 GOVERNOR AMEND CAPITAL PROGRAM



# SAFETY



**Safe Streets and Roads for All**

**Highway Safety  
Improvement Program (HSIP)**

**Wildlife Crossings Pilot  
Program**



# SAFE ICE ROADS FOR ALASKANS

|                            |  |
|----------------------------|--|
| <b>Cycle</b>               | Annually   |
| <b>Timeline</b>            | 11/30/2022 Awards Announced!   |
| <b>Amount</b>              | \$2,000,000  |
| <b>Eligible Activities</b> | Planning, preparation, surveying, ice road construction, preventative maintenance, safety measuring & observing, marking, and closures |
| <b>Eligible Entities</b>   | Cities, villages, tribes & political sub-division of government  |

## Awards

|     |                             |           |
|-----|-----------------------------|-----------|
| 1.  | Native Village of Napaimute | \$450,000 |
| 2.  | Tanana Tribal Council       | \$32,000  |
| 3.  | Crooked Creek Traditional   | \$60,000  |
| 4.  | Village of Wainwright       | \$375,000 |
| 5.  | Northwest Arctic Borough    | \$300,000 |
| 6.  | Village of Aniak            | \$160,000 |
| 7.  | Chuathbaluk Traditional     | \$20,000  |
| 8.  | Native Village of Kalskag   | \$15,000  |
| 9.  | Whitestone Community Assoc. | \$80,000  |
| 10. | North Slope Borough         | \$250,000 |





# ECONOMIC VITALITY



**National Highways Freight Program (NHFP)**

**Local and Regional Project Assistance Program**

**Changes to INFRA Program**

**Rural Surface Transportation Grants**

**Port Infrastructure Development Program (PIDP)**



# ***RURAL PORTS, DOCKS & BARGE LANDINGS***

|                            |  |
|----------------------------|--|
| <b>Cycle</b>               | Every 2 years  |
| <b>Anticipated NOFO</b>    | CY2023 Quarter 2   |
| <b>Funding Amount</b>      | \$27,000,000   |
| <b>Eligible Activities</b> | Rural ports, docks, barge landings, and rural coastal infrastructure   |
| <b>Eligible Entities</b>   | Local or community government, villages, tribal entities, & political sub-divisions of government not connected by roads |





# STATE OF GOOD REPAIR



**State Preservation &  
Maintenance Program (NHPP  
& STBG)**



**Transportation Asset  
Management Program  
(TAMP)**

**Bridge-related Provisions in  
IIJA**

# COMMUNITY BRIDGE PROGRAM

**Cycle** Every 2 years

**NOFO** CY2023 Quarter 1

**Amount** \$54,000,000

**Eligible Activities** Bridges on the National Bridge Inventory (NBI), replacing poor bridges, rehabilitating fair bridges, bridge preservation & protection, tribally owned bridges on public roads, and projects that replace/rehabilitate culverts on the NBI

**Eligible Entities** Local or community government, villages, tribal entities, & Political sub-divisions of government



# SUSTAINABILITY

**Carbon Reduction Program (CRP)**

**Charging and Fueling  
Infrastructure**

**National Electric Vehicle Formula  
Program (NEVI)**

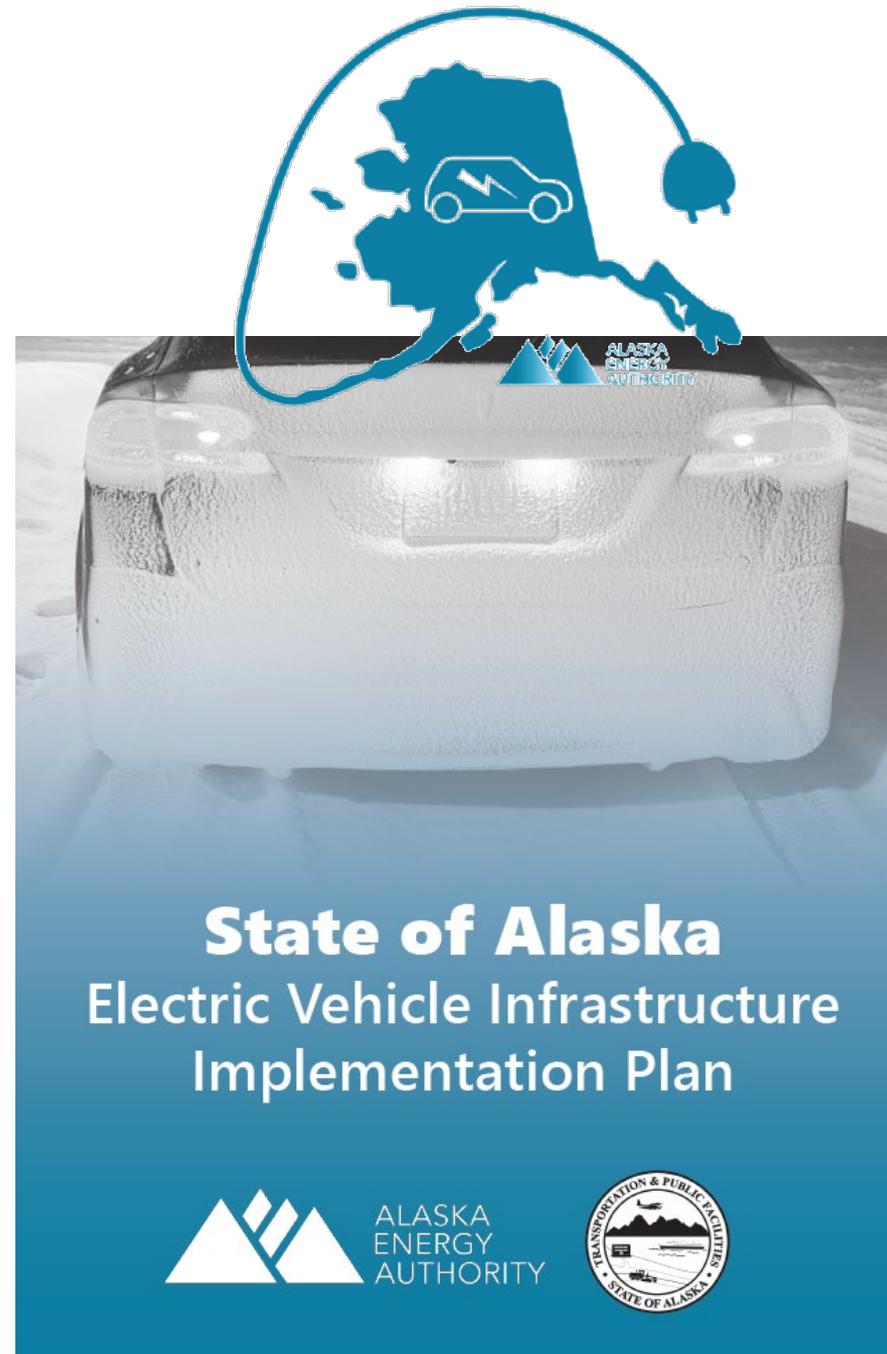
**Reconnecting Communities Pilot  
Program**

**Reductions of Truck Emissions at  
Port Facilities Program**



# NEVI PROGRAM

|                            |   |
|----------------------------|---|
| <b>Cycle</b>               | Every 2 years   |
| <b>NOFO</b>                | CY2023 Quarter 2  |
| <b>Amount</b>              | \$52,000,000  |
| <b>Eligible Activities</b> | The acquisition, installation, and network connection of electric vehicle (EV) charging stations;<br>Proper operation and maintenance of EV charging stations; and,<br>Long-term EV charging station data sharing |
| <b>Eligible Entities</b>   | Local or community government, villages, tribal entities, & Political subdivisions of government  |



**State of Alaska**  
Electric Vehicle Infrastructure  
Implementation Plan

ALASKA ENERGY AUTHORITY

TRANSPORTATION & PUBLIC UTILITIES  
STATE OF ALASKA





# RESILIENCY

**PROTECT (formula and discretionary)**

**Changes to Emergency Relief Program**

**Other Climate and Resilience Provisions**



# RESILIENCY & COASTAL PROTECTION PROGRAM

**5 yr total PROTECT program funds** \$93.1m

**Eligible Activities**

- Resiliency Planning
- Twice-Hit Assets
- Critical Community Access
- Evacuation Routes
- At-Risk Coastal Community Protection

**Eligible Entities**

Local or community government, villages, tribal entities, & political subdivisions of government



# WEST COAST ALASKA STORM DAMAGES

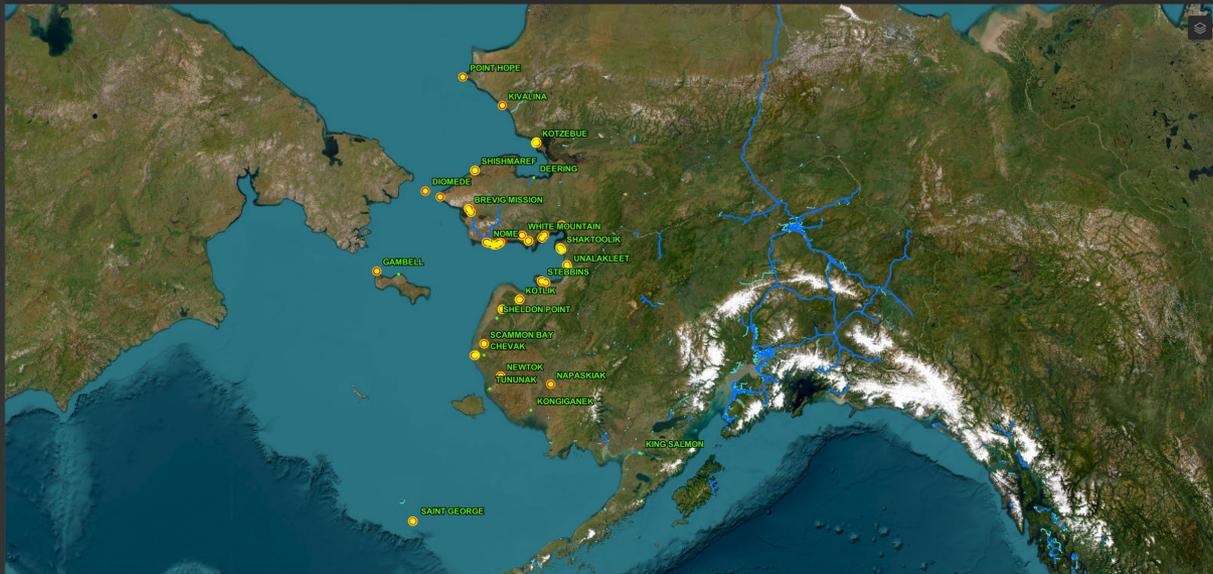
## Infrastructure Damage Estimates Exceed \$210m

Alaska DOT&PF West Coast Storm Response This dashboard is still being updated.

FEMA Category



West Coast Storm 2022 Damages map



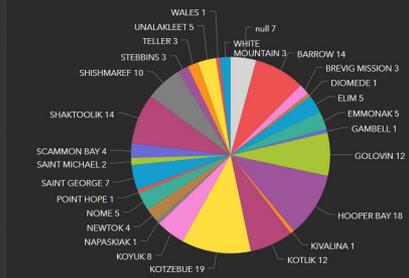
Earthstar Geographics

Damages as collected from Survey123 and other sources caused by the 2022 West Coast Storm

Powered by Esri

Map Table

Surveys Per Community



Legend

- survey\_Final
- DamageAssessmentLines\_Copy
- Damage Assessment - 2022 West Coast Storm stakeholder - survey
- Survey Point
- Impacted Communities

36

Damaged Communities

26

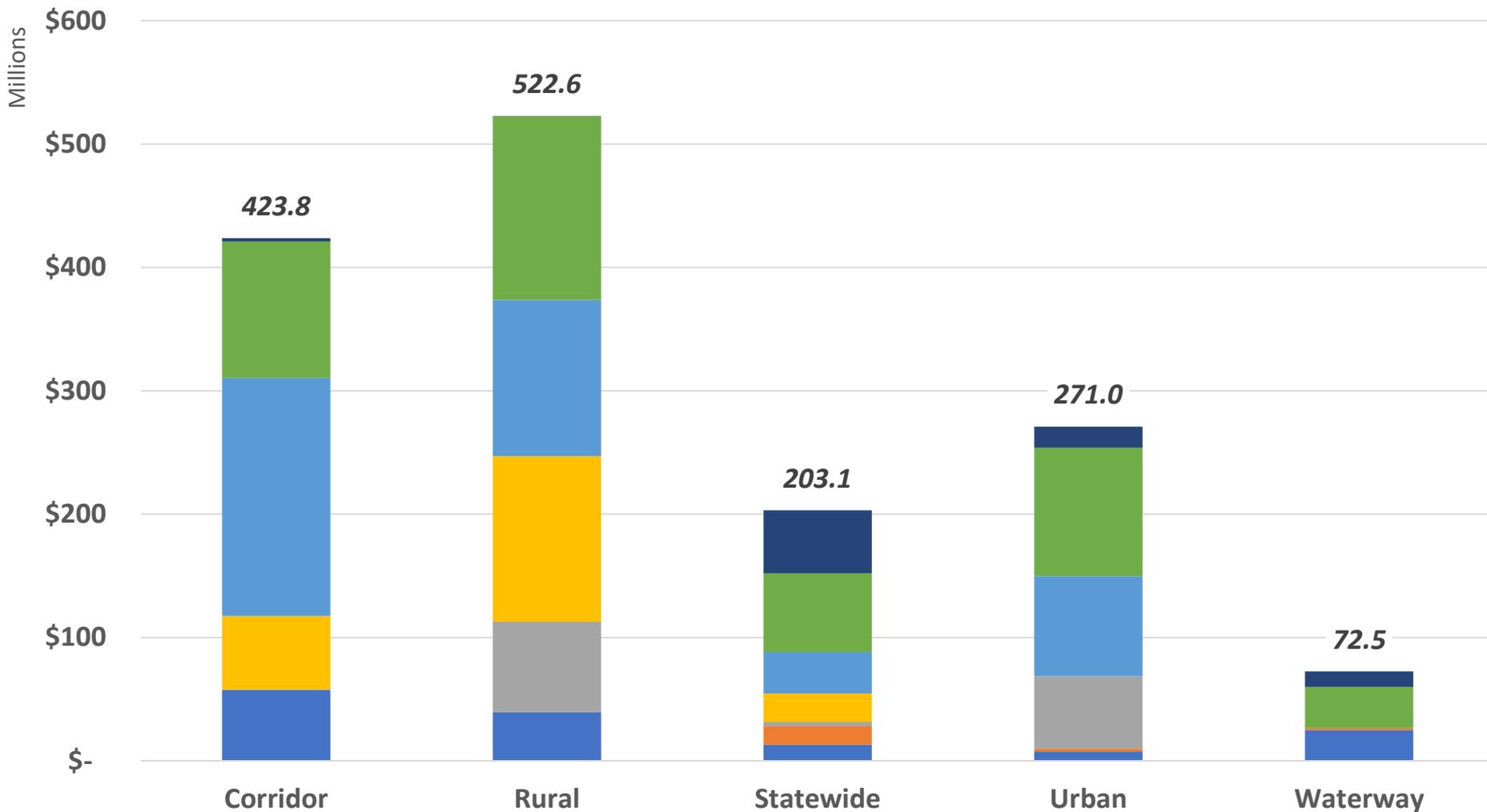
Communities Surveyed

Damaged Communities Surveyed

74%



# GEOGRAPHIC AREAS BY STRATEGIC INVESTMENT AREA



■ Economic Vitality ■ Organizational ■ Other ■ Resiliency ■ Safety ■ SOGR



# COOPERATIVE PARTNERSHIPS



## RPO

- Copper River Valley - RTPO statutes
- Others on the way – FNSB, NSB, and more.

## AML MOU

- Clearinghouse “The HUB”
- AML Hosting NHI Courses

## State Agencies

- AEA MOA - NEVI Plan & STEP
- DNR MOA – ASTAR PEL

## Business Partnership

- AGC
- ACEC

## Team-Embedded Consultants

## Federal Land Managers

## More Local Planning

- Coordinate with land-use, ‘Plan for People’

## Looking for more Partners!



# DISCRETIONARY GRANTS



## Port Improvement Development Projects

- Pelican - \$12,170,374
- Auke Bay - \$8,714,550
- Cordova, Chenega, and Tatitlek Port Bundle - \$28,248,386

## MPDG (MEGA/INFRA/Rural)

- TRV - \$194,922,000
- Cordova, Chenega, and Tatitlek Port Bundle - \$25,109,676

## NOAA Fish Passage

- Three Mile Creek - \$5,614,228

## Culverts for Anadromous Fish Passage

## Rural Ferry and Low/No Emission Ferry Program

- TRV Propulsion - \$85,610,480
- Mainliner Planning - \$8,591,616
- Auke Bay, Pelican, and PWS Docks - \$48,164,658
- Columbia, Tazlina, Matanuska, and Kennecott Vessel Bundle - \$72,065,545
- Operating - \$44,823,800

## Bridge Improvement Program

- Kodiak Russian and Sargent Rivers – planning - \$1,288,000
- Ketchikan Ward Creek – construction - \$23,138,428.26
- Johnson and Gerstle River bundle – construction - \$73,901,504

**>\$850M Submitted through Partnership**



# RURAL FERRY SERVICE GRANT & TIMELINE

July 8, 2022

## Notice of Funding Opportunity (NOFO)

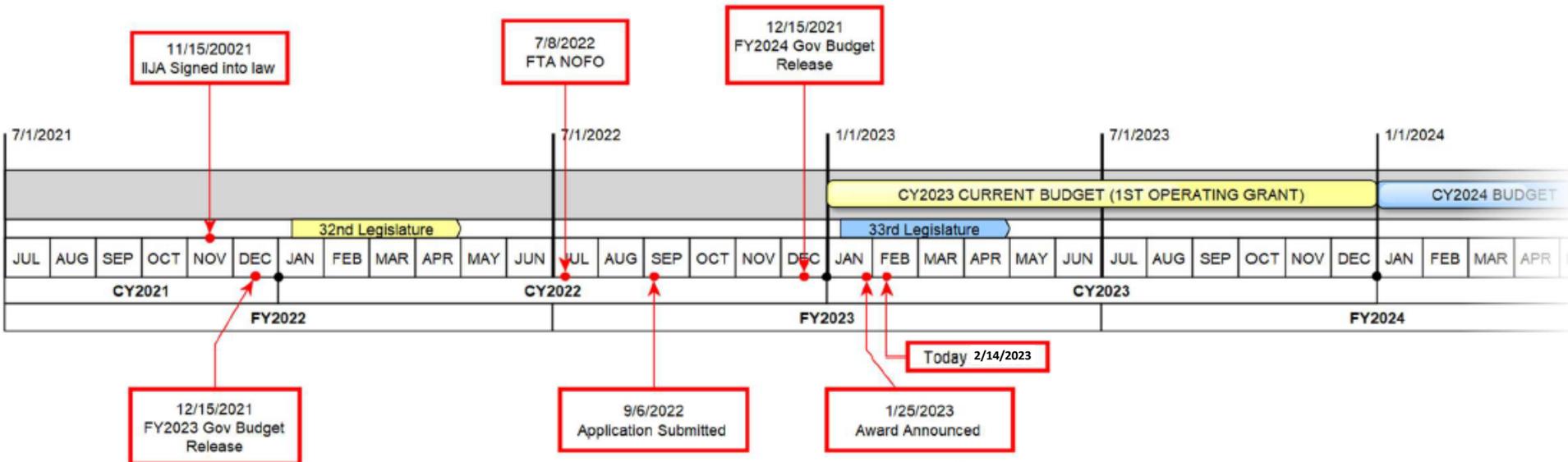
"The maximum Federal share for operating projects selected under the Rural Ferry Program is 50 percent."

"Only net operating expenses are eligible for assistance."

January 25, 2023

## Awarded \$285 Million in Infrastructure Funding

\$44.8M Operating / \$240.8M Capital



# FEDERAL TRANSIT ADMINISTRATION (FTA) AWARDS DISCRETIONARY GRANTS

| Application Title  | Total Project        | Federal Request      |
|--|----------------------|----------------------|
| <b>Infrastructure Upgrades/Repairs: 49% of Capital Request (39% docks/31% vessels)</b>                               |                      |                      |
| Critical Upgrades to Ferry Dock Infrastructure in Five Rural Alaska Communities                                      | \$56,848,018         | \$45,478,414         |
| Modernization of Four Critical AMHS Vessels Necessary for Service and Environmental Benefits                         | \$90,081,932         | \$72,065,546         |
| <b>New Builds: 51% of Capital Request</b>  |                      |                      |
| Replacement of the M/V Tustumena Vessel Serving Rural Southwest Alaska   | \$85,610,480         | \$68,488,384         |
| Cultivating a Systems Approach to Sustainable Transportation by Implementing Climate Responsive Ferry Vessel Options | \$57,767,509         | \$46,214,008         |
| Anticipating Future Service & Replacement Needs: Designing a New Alaska Mainliner                                    | \$10,739,520         | \$8,591,616          |
| <b>Operational Support</b>   |                      |                      |
| Restoring the Health of the AMHS for Sustainable Operations to Rural Communities                                     | \$89,647,600         | \$44,823,800         |
| <b>Total All Awards</b>  | <b>\$390,695,059</b> | <b>\$285,661,768</b> |
| Total Capital  | \$301,047,459        | \$240,837,968        |
| Total Operating  | \$89,647,600         | \$44,823,800         |

# FTA AWARDS: VESSELS

## Vessel Modernization—\$72 million award

- Columbia – modernization
- Matanuska—modernization
- Tazlina—increased route options
- Kennicott—improved environmental considerations

## Vessel Replacement— Tustumena Replacement Vessel—\$68.5 million award

- Includes design updates of propulsion system, for safer, more efficient, public transportation

## Design of a New Alaska Mainliner--\$8.5 million award

Supports the early steps for capital replacement of a mainliner for continued service to SE Alaska

## Climate Responsive Ferry Vessel Options—\$46 million award

Increase service, efficiency, and sustainability of Alaska Ferry System for rural port communities.

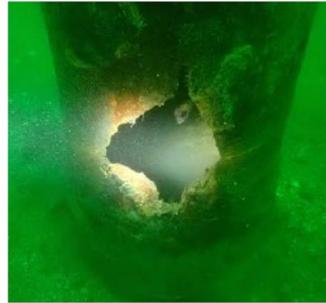


# FTA AWARDS: DOCKS

## Ferry Dock Infrastructure in Five Rural Alaska Communities— \$45.5 million award

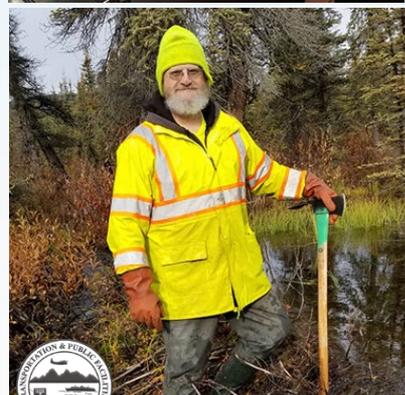
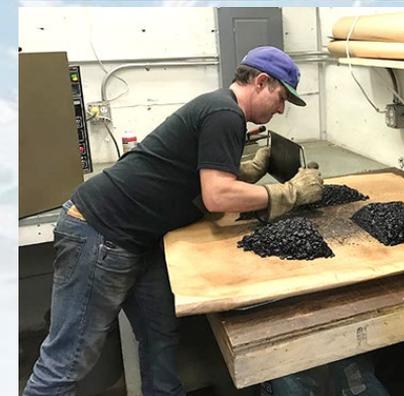
Increase the sustainability of five current rural AMHS port operations; the project will upgrade dock infrastructure in Juneau and Cordova, and replace current docks in Pelican, Tatitlek, and Chenega.

- Prince William Sound Dock Modifications—\$29.3m project total
- Tatitlek \$10.5m
- Chenega \$12.6m
- Cordova \$6.2m

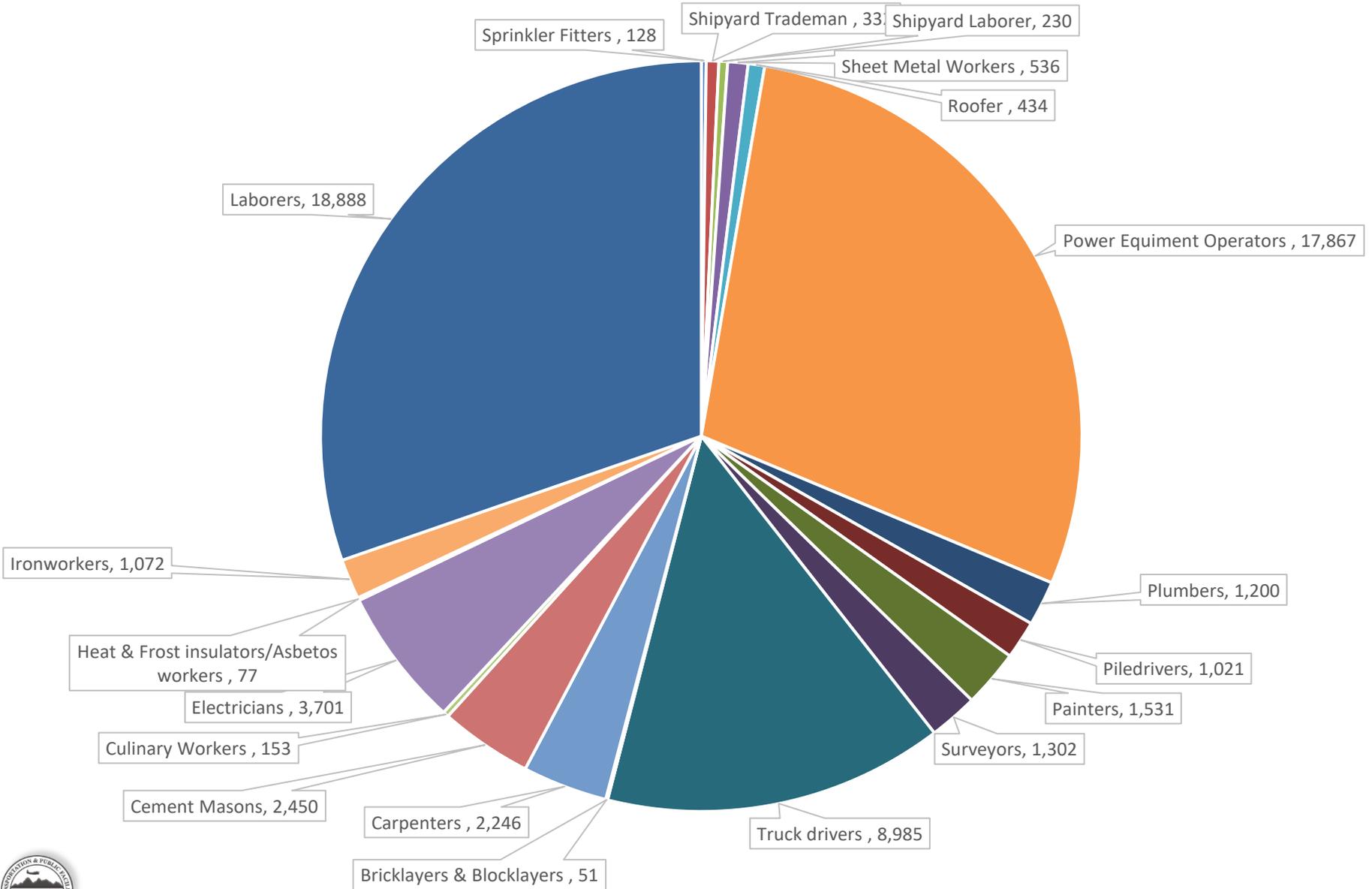


# ORGANIZATIONAL EXCELLENCE

**WORKFORCE**  
**COMMUNICATION**  
**CULTURE**  
**INNOVATION**  
**INFORMATION**  
**RESOURCING**  
**PROJECT DELIVERY**



# 2023 CONSTRUCTION WORKFORCE: UNIQUE WORKERS



# THANK YOU.

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Please visit: [fhwa.dot.gov/bipartisan-infrastructure-law](https://www.fhwa.dot.gov/bipartisan-infrastructure-law)

