

# MEMORANDUM

**State of Alaska**  
**Department of Transportation & Public Facilities**  
**Division of Program Development**

**TO:** John MacKinnon  
Commissioner

**DATE:** May 21, 2019

**THRU** Ben White, Director   
Program Development

**PHONE NO:** 465-2744  
**FAX NO:** 465-6984

**FROM:** Maren Brantner   
STIP Manager

**SUBJECT:** Recommend Approval of FMATS  
2019-2023 TIP

Enclosed for your review and approval is the FAST 2019-2023 TIP. This TIP was developed in conformance with 23 USC 134 and all applicable federal requirements for Metropolitan Planning Organizations. The FAST Policy Committee approved the 19-23 TIP on April 19, 2019.

Staff recommends approval based on the following condition. In collaboration with FAST, additional guidelines will be established for the use of Advanced Construction in the TIP. It is the Departments' expectation that these new guidelines will be implemented in the 19-23 TIP prior to approval of any future TIP modifications, and prior to FY2020 Advanced Construction moving forward.

A finding of conformity for PM-2.5 and CO for the FAST 19-23 TIP is supported, although the final determination is the responsibility of the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). We find the FAST 19-23 TIP is fiscally constrained by the allocations made in the 2018-2021 Statewide Transportation Improvement Program (STIP).

Approved: \_\_\_\_\_

  
John MacKinnon  
Commissioner

Date: \_\_\_\_\_

5.23.19

**Attachments:** FAST FFY 2019-2023 TIP Transmittal Memo & PC Memo  
FAST FFY 2019-2023 TIP Tables  
FAST Inter-Governmental Operating Agreement and MOU

**CC:** Judy Chapman, Northern Region Planning Chief  
Ned Conroy, Community Planner, FTA  
Jackson Fox, FMATS Executive Director  
Marie Heidemann, Planning Chief, AKDOT&PF Statewide  
John Lohrey, Transportation Planner, FHWA  
James Marks, Division Operations Manager, DOT&PF  
Randi Bailey, ADOT&PF, Northern Region

## Brantner, Maren H (DOT)

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**From:** Bailey, Randi L (DOT)  
**Sent:** Tuesday, May 7, 2019 11:55 AM  
**To:** Brantner, Maren H (DOT)  
**Cc:** Heidemann, Marie E (DOT); Wendel, Courtney E (DOT); Anderson, Ryan (DOT); Fox, Jackson G (DOT); Chapman, Judy (DOT); Marks, James T (DOT); White, Ben M (DOT)  
**Subject:** RE: FAST Planning FFY19-23 TIP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Clarification:** The Federal Highway Administration (FHWA) and Federal Transportation Administration (FTA) have not signed the conformity determination approval letter. They have indicated they will provide the approval after the new TIP is signed by the Commissioner.

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**From:** Bailey, Randi L (DOT)  
**Sent:** Tuesday, May 7, 2019 10:30 AM  
**To:** Brantner, Maren H (DOT) <maren.brantner@alaska.gov>  
**Cc:** Heidemann, Marie E (DOT) <marie.heidemann@alaska.gov>; Wendel, Courtney E (DOT) <courtney.wendel@alaska.gov>; Anderson, Ryan (DOT) <ryan.anderson@alaska.gov>; Fox, Jackson G (DOT) <jackson.fox@alaska.gov>; Chapman, Judy (DOT) <judy.chapman@alaska.gov>; Marks, James T (DOT) <james.marks@alaska.gov>; White, Ben M (DOT) <ben.white@alaska.gov>  
**Subject:** FAST Planning FFY19-23 TIP

Maren,

On behalf of the Fairbanks Area Surface Transportation (FAST) Planning Policy Board, through Ryan Anderson, P.E., Regional Director, Northern Region, attached please find the FAST Planning Policy Board Action Items, Transmittal Letter and the FAST Planning FFY19-23 TIP for incorporation into the Statewide Transportation Improvement Program (STIP). The FAST Planning TIP was developed in conformance with 23 USC 134 and all applicable federal requirements for Metropolitan Planning Organizations. The Fairbanks Field Office reviewed the TIP for fiscal constraint and found the TIP is fiscally constrained. The Federal Highway Administration (FHWA) and Federal Transportation Administration (FTA) reviewed the Air Quality Conformity Analysis and approved conformity determination.

A call for project nominations was issued for the FFY19-23 TIP and resulted in three new projects:

- Road Projects- 5<sup>th</sup> Avenue Reconstruction and Woll Road Resurfacing & Widening
- Non-Motorized Project- Airport Way West Bicycle & Pedestrian Facility

Please let me know if you have any questions or concerns.

Thank you for your review!  
Randi Bailey

**Randi Bailey**

Transportation Planner  
AK Dept. of Transportation & Public Facilities, Fairbanks Field Office  
2301 Peger Rd  
Fairbanks, Alaska 99709  
(907) 451-2386



**Policy Board Meeting  
Action Items  
4.17.19**

**Motion:** To approve the FFY2019-2023 Transportation Improvement Program (TIP) as presented (Ward/Welch). One opposed (Cleworth). Approved.

**Motion:** To remove Karl Kassel as an authorized check signer, and add Mayor Welch as an authorized check signer (Tacke/Welch). None opposed. Approved.

**Motion:** To approve the Office Space Lease Agreement for Key Bank Building, Suite 205, for a 3-year Term (Welch/Tacke).

**Amendment to Motion:** To approve a 2-year Term with flexibility for Mr. Fox to negotiate the Agreement (Ward/Tacke).

**Amended Motion:** To approve the Office Space Lease Agreement for Key Bank Building, Suite 205, for a 2-year Term with flexibility for Mr. Fox to negotiate the Agreement. None opposed. Approved.

**Motion:** To go into Executive Session (Matherly/Tacke). None opposed. Approved.

**Motion:** To appoint Jackson Fox as Executive Director of FAST Planning at the hourly rate of \$54.86 and benefits as stated in the approved budget, with the understanding that there is a 6 month probationary period associated with this appointment. This appointment exempts this specific FAST Planning Executive Director appointment from the EEO Policy stated in the FAST Planning personnel policy (Ward/Tacke). Approved.

**Motion:** To authorize the Executive Director to recruit the FAST Planning Transportation Planner I, and FAST Planning Administrative Assistant positions, with authorization to negotiate wages up to the amounts included in the approved budget (Ward/Tacke). Approved.

Ryan Anderson, P.E., Chair

Date

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## ***FAST Planning***

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May 6, 2019

Alaska DOT&PF  
Mr. Ryan Anderson, P.E.  
2301 Peger Road  
Fairbanks, Alaska 99709

Subject: **FAST Planning 2019 - 2023 TIP**

Mr. Anderson,

Attached for approval and inclusion in the Statewide Transportation Improvement Program (STIP) is the Fairbanks Area Surface Transportation (FAST) Planning 2019 - 2023 Transportation Improvement Program (TIP). The FAST Planning Policy Board approved this document on April 17, 2019.

Once the Commissioner's approval is received, please incorporate the TIP into the STIP, as required under 23 U.S.C. 135. If you have any questions, please contact me at [jackson.fox@alaska.gov](mailto:jackson.fox@alaska.gov) or (907) 451-5415.

Sincerely,



Jackson Fox

Attachment: FAST Planning FFY19-23 TIP

Copy: Randi Bailey, Fairbanks Field Office, Alaska DOT&PF

# ***FAST Planning***



## **2019 – 2023 Transportation Improvement Program**

**Approved April 17, 2019**

# Draft 2019 – 2023 Transportation Improvement Program

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# 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM

Approved 04.17.19

## INTRODUCTION

This is the Fairbanks Area Surface Transportation (FAST Planning) 2019 – 2023 Transportation Improvement Program (FFY19-23 TIP). It was developed in direct coordination with projects and timelines listed in the 2045 Metropolitan Transportation Plan (MTP), the long range transportation plan for the Fairbanks and North Pole areas adopted by the FAST Planning Policy Board in December 2018.

Development of the TIP was initiated in January 2019 following development of the 2045 MTP and adoption of revised project scoring criteria and a new project nomination form. A call for project nominations was issued, and 10 project nominations were received – including seven road projects and three non-motorized projects, as summarized below:

<b>Road Projects</b>		<b>Score</b>
1.	5 <sup>th</sup> Avenue Reconstruction	158
2.	Lacey Street Reconstruction	150
3.	Bradway Road Reconstruction	117
4.	Peridot Street Rehabilitation	107
5.	Woll Road Resurfacing & Widening	101
6.	Roland Road Improvements	100
7.	Nelson Road Widening	90

<b>Non-motorized Projects</b>		
1.	City Bike Lane Striping & Signing	123
2.	Airport West Bicycle & Pedestrian Facility	121
3.	Chena Lakes/Plack Road Bicycle & Pedestrian Facility	81

Due to funding limitations with carrying forward projects from the FFY17-20 TIP and eligibility concerns with some of the projects nominated, only two road projects (5th Avenue and Woll Road) and one non-motorized project (Airport West Bicycle & Pedestrian Facility) were incorporated into the Draft TIP. The Draft TIP was reviewed on February 6, 2019 by the FAST Planning Technical Committee, and approved on February 27 by the FAST Planning Policy Board for release for public review and comment. The Draft TIP was subsequently issued for public comment March 3 to April 3, and a public open house event was held on March 12. The document also included a draft Air Quality Conformity Determination, which had the same public comment period, and an Interagency Consultation on the draft determination took place on March 27. In total, 44 comments were received on the Draft TIP during the public comment period. Revisions were then made to the TIP

This report was funded in part through grant(s) from the Federal Highway Administration, U.S. Department of Transportation. The views and opinions of Fairbanks Area Surface Transportation Planning expressed herein do not necessarily state or reflect those of the U.S. Department of Transportation.

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based on comments received, new information about project schedules, and estimates prepared by the Alaska Department of Transportation & Public Facilities (DOT&PF). The final draft of the TIP was then reviewed again by the Technical Committee on April 3 and adopted by the Policy Board on April 17 without amendment.

The TIP is fiscally constrained and was developed in conformance with 23 USC 134, 49 USC 5303, 23 CFR Part 450, sections 174 and 176 (c) and (d) of the Clean Air Act as amended (42 USC 7504, 7506 (c) and (d)), 40 CFR Part 93, Title VI of the Civil Rights Act as amended (42 2000d-1) and 49 CFR Part 21, 49 USC 5332, Section 1101(b) of the SAFETEA-LU (Pub. L 109-59 and 49 CFR part 26, 23 CFR part 230, provisions of the Americans with Disabilities Act of 1990 (42 USC 12101 *et seq.*), 49 CFR parts 27, 37, and 38, the Older Americans Act as amended (42 USC 6101), 23 USC 324, Section 504 of the Rehabilitation Act of 1973 (29 USC 794) and 49 CFR 27 and all other applicable federal requirements for Metropolitan Planning Organizations.

### ***Air Quality Conformity***

The FFY19-23 TIP was developed in direct coordination with projects and timelines listed in the 2045 MTP for which an Air Quality Conformity Analysis was completed that found the following key determinations:

- Total regional vehicle-related PM2.5 and NOx precursor emissions associated with implementation of the 2045 MTP for the required analysis years of 2019, 2025, 2035, and 2045 have been estimated and found to be below the applicable motor vehicle emission budgets established under the Moderate State Implementation Plan.
- All CO conformity requirements are met.
- Interagency consultation was conducted in accordance with federal requirements.

The Federal Highway Administration (FHWA) and Federal Transportation Administration (FTA) reviewed the Air Quality Conformity Analysis and approved the conformity determination on January 30, 2019. Since the FFY19-23 TIP was based on the projects and timelines listed in the 2045 MTP, 40 CFR 93.122(g) permits reliance on the regional emissions analysis from the MTP. Every project in the FFY19-23 TIP was included in the 2045 MTP and associated Air Quality Conformity Analysis, with the exception of one project – Woll Road Resurfacing & Widening. This project proposes to resurface the existing roadway and widen shoulders to better accommodate bicyclists, pedestrians, and move mailboxes further away from the travel lanes, and is exempt from the requirement to determine conformity in accordance with 40 CFR 93.126 – Pavement Resurfacing

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and/or Rehabilitation; Widening Narrow Pavements; Shoulder Improvements; and Projects that Correct, Improve, or Eliminate a Hazardous Feature. Based on this analysis, FAST Planning finds the FFY19-23 TIP meets air quality conformity requirements.

This draft determination was issued for public comment March 3 to April 3, 2019, concurrent with the Draft FFY19-23 TIP. No public comments were received regarding air quality during the comment period. An Interagency Consultation on this analysis was also performed on March 27 with federal and the local air quality planning agencies, including the FTA, U.S. Environmental Protection Agency (EPA), Alaska Department of Environmental Conservation (ADEC), and Fairbanks North Star Borough (FNSB) during the public comment period and no issues were raised with the determination. Following approval of the FFY19-23 TIP by Alaska DOT&PF, the document will be transmitted to FHWA and FTA for their joint approval of the determination.

### ***Performance Measures***

The table on the following page summarizes the anticipated benefit of each project in the FFY19-23 TIP making progress towards achieving the performance measures included in the 2045 MTP. FAST Planning has adopted the Alaska DOT&PF's targets for each the following measures:

- Safety (Fatalities & Serious Injuries; Motorized & Non-motorized)
- Pavement & Bridge Condition
- Travel Time Reliability
- Congestion Mitigation & Air Quality (CMAQ)

For safety, FAST Planning has revised and adopted new project scoring criteria with safety considerations being the highest weighted category. This new criteria was used to score the new projects incorporated into the FFY19-23 TIP. For pavement and bridge condition, the TIP is funding many resurfacing and reconstruction projects where pavement is failing, including partnering with Alaska DOT&PF on resurfacing projects on the National Highway System through the FMATS Improvement Program. For travel time reliability, the TIP includes many project that improve connectivity to provide alternate routes, widened shoulders to accommodate space for vehicles should a traffic accident occur, and resurfacing projects that reduce the amount of maintenance activities on those roads. And for CMAQ, by policy FAST Planning invests 20-percent of our federal funds on non-motorized projects to provide transportation alternatives to vehicles.

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#	Project	Safety	Pavement & Bridge Condition	Travel Time Reliability	CMAQ
1	5th Avenue Reconstruction	X	X		X
2	Airport West Bicycle & Pedestrian Facility	X		X	X
3	Advanced Project Definition				
4	Barnette Street Reconstruction	X	X	X	X
5	Bike Lane Signing & Striping				X
6	Chena River Walk Stage III				X
7	College Road Bus Pullouts	X		X	X
8	Cowles Street Reconstruction	X	X	X	X
9	Coordinators Office				
10	Cushman Street Bridge Rehabilitation		X		
11	Fairbanks Rail/Road Crossing Reduction/Realignment Plan	X		X	X
12	FMATS Improvement Program		X		
13	FMATS Intersection Improvement Program	X	X		X
14	FMATS Safety and Efficiency Program	X			X
15	FMATS Sidewalk Improvement Program	X			X
16	Gillam Way Reconstruction	X	X		X
17	Lacey Street Reconstruction	X	X		X
18	Lathrop Street Extension			X	
19	McGrath Road Upgrade		X		
20	Metropolitan Transportation Plan Update				X
21	Minnie Street Upgrade	X	X		X
22	Nelson Road Bicycle & Pedestrian Facility	X			X
23	Non-motorized Plan Update				X
24	North Pole Streetlight Standardization				
25	Old Richardson Highway Intersection Improvements	X		X	X
26	Road Service Area Expansion		X		
27	Sign Replacement Stage III				
28	Tanana Loop and South Chandalar Drive Intersections	X		X	X
29	Wembley Avenue Improvements	X			X
30	Woll Road Resurfacing & Widening	X	X	X	X
31	Yankovich/Miller Hill Road Reconstruction	X	X	X	X

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### ***Major Projects***

Major projects from the previous FFY17-20 TIP that were completed include Noble Street Upgrade and Birch Hill Bicycle & Pedestrian Facility. In this TIP, major projects anticipated to be completed include Cowles Street Reconstruction, Cushman Street Bridge Rehabilitation, Gillam Way Reconstruction, and Yankovich/Miller Hill Road Reconstruction projects. Two of these projects have recently experienced delays, as outlined below, and schedule adjustments were made between the FFY17-20 TIP and FFY19-23 TIP:

- Cushman Street Bridge Rehabilitation – this project was delayed two years to accommodate replacement of the Wendell Avenue bridge, which is scheduled for construction over two years starting in 2020. The Wendell Avenue bridge project is GO bond funded and was recently unpaused by former Governor Walker.
- Yankovich/Miller Hill Road Reconstruction – this project has been delayed two years due to ROW acquisition (numerous strip acquisitions on residential parcels) needed to widen Yankovich Road.

### ***Transportation Control Measures***

The EPA designated the Fairbanks and North Pole areas as nonattainment areas for carbon monoxide (CO) in 1991. In 1998, Fairbanks was reclassified as a “serious” nonattainment area for failing to attain the ambient eight-hour CO health standard by the December 1995 deadline. As a serious nonattainment area, Fairbanks was required to prepare a State Implementation Plan (SIP) that demonstrated attainment by December 2000. In July 2002, the EPA announced the Fairbanks serious CO nonattainment area attained air quality standards for CO by its attainment date. In July 2004, the EPA announced it approved a CO Maintenance Plan and re-designated the Fairbanks CO nonattainment area to attainment with an effective date of September 27, 2004.

A portion of the FNSB, including the entire Metropolitan Planning Area, was also designated as a nonattainment area for Particulate Matter (PM 2.5) in 2009. In November 2013, the EPA proposed a new rule, effective July 2014, that identified those states in nonattainment for PM2.5 as “moderate” areas and proposed a new due date for submittal of moderate nonattainment area SIPs to EPA. The ADEC along with the FNSB developed a SIP and associated PM2.5 emissions budgets and submitted to the EPA on December 31, 2014. The EPA later reclassified the nonattainment area from “moderate” to “serious” with an effective date of June 9, 2017. Reclassification requires an update to the SIP to meet additional requirements that were triggered upon the reclassification.

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## **2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM**

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ADEC plans to issue the Draft Serious SIP for public review and comment in May/June 2019. It is not known at this time what Transportation Control Measures (TCMs) will be included in the Draft SIP; however, previous TCMs in the Moderate SIP included the following:

- Expanded availability of plug-ins
- Mass Transit System
- Anti-Idling & Diesel Emission Reductions
- Federal Motor Vehicle Control Program

Significant progress has been made on all of these TCMs since development of the Moderate SIP in 2014. The only remaining work to complete at this time is finishing the last of the plug-in installations at two locations in Fairbanks, both of which are anticipated to be complete by August 2019.

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# 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM

Approved 04.17.19

## ACRONYMS AND DEFINITIONS

### **General Definitions**

AC – Advance Construction

ACC – Advance Construction Conversion

BANK - Banking

AMATS – Anchorage Metropolitan Area Transportation Solutions

CMs – Contingency Measures

EPA – Environmental Protection Agency

FHWA – Federal Highway Administration

FAST Act – Fixing America’s Surface Transportation Act

FMATS – Fairbanks Metropolitan Area Transportation System

FTA – Federal Transit Administration

MAP-21- Moving Ahead for Progress in the 21<sup>st</sup> Century

MPO – Metropolitan Planning Organization

M & O - Maintenance and Operations

PPP – Public Participation Plan

SAFETEA-LU – Safe, Accountable, Flexible, Efficient Transportation Equity Act – Legacy for Users

SIP – State Implementation Plan

TAP – Transportation Alternative Program

TCMs – Transportation Control Measures

TIP –Transportation Improvement Program

### **SURFACE TRANSPORTATION FUNDING SOURCES**

**3PF (Third Party Funds)** – Funding contributed by parties other than the state usually to provide required matching funds.

**AC (Advance Construction)** – An innovative financing tool permitted under FHWA rules that, with approval of the FHWA, allows the state to begin a project using state funds prior to the availability of federal funds. This tool allows the state flexibility to use its resources to more efficiently schedule project start-ups.

**ACC (Advance Construction Conversion)** – Accounting tool to track the repayment of state funds used to begin a project prior to the availability of federal funds.

**AARC** – Funds available through the Alaska Railroad Corporation.

**Bank** – Funds that were banked from one year to the next under agreement with ADOT&PF.

**CMAQ (Congestion Mitigation/Air Quality)** – These funds are for projects that can be proven to reduce traffic congestion and/or improve air quality in federally designated non-attainment areas.

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Projects such as park and ride lots, transit bus replacement, vehicle inspection and maintenance program improvements, signal coordination, ride sharing, and paving for dust control qualify for these funds. The federal funds ratio varies and is either 90.97% or 100% depending upon the specific category of work.

**FAF (FMATS Appropriation Funds) and FAM (FMATS Appropriation Match)** – These funds are other FMATS funds used to supplement projects. Examples of funding sources include:

- **381** – Funds made available in FY07 under SB381. CH82/06/120/18, AR60685.
- **DEOB/Offset** – Federal funding, including the non-federal share, that has been de-obligated from another federal project and is now available for use on another project. This funding is shown as informational only and only after it has been approved by the proper authority for changes and overruns during construction or to bring a project up to low bid, as requested, prior to the submittal of a PDA request.
- **GF** – General fund appropriation available for use on any project.
- **SB46** – A FY12 state fund appropriation of \$5 million available to any project in the FMATS TIP. CH5/11/100/8, AR65818.
- **SB160** – A FY13 state fund appropriation of \$7.5 million available to any project in the FMATS TIP. CH17/12/132/25, AR58609.
- **SB230** – A FY11 state fund appropriation of \$5 million available to any project in the FMATS TIP. CH43/10/36/24, AR65439.

**ILLU (Illustrative)** – Indicates projects that would be funded and advanced if funding becomes available either through receipt of additional funds or because another project cannot be advanced; the specific source or sources of funds will be determined when and if the project is selected to be funded.

**NHPP (National Highway Performance Program)** – In MAP-21 Section 1106, Congress designated the NHPP to provide support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a state's asset management plan for the NHS. This funding code incorporates previous NHS, IM and some BR fund codes. The federal funds ratio is 90.97%.

**CONP** – Funds made available to the FMATS Coordinator's office from the City of North Pole.

**PL** – These funds are designated for the mandatory planning tasks the department undertakes, including preparation of the Statewide Transportation Plan (SWTP) and State Transportation Improvement Program (STIP), statistical measurements of the transportation system (traffic volumes, pavement condition, accident locations, causes and severity, and physical characteristics of roads and highways), mapping, and management systems. In Alaska, these metropolitan planning

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funds can be used in any urban area within the state. Planning processes and special planning studies are eligible activities within this program. The federal funds ratio is 90.97%.

**SM (State Match)** – The state’s share of project costs required to match federal program funds. Depending on the particular federal program requirements, the state’s share of the costs, the state match required, will vary from as little as zero percent to as much as 50%. Most often the state’s share will range from 9.03% to 20%.

**STP (Surface Transportation Program)** – Flexible funding that may be used by the state and localities for projects on any Federal-aid highway, including the NHS, bridge projects on any public road, transit capital projects, bus terminals and facilities. Unlike other states, Alaska is allowed to use these funds on any public road in Alaska, regardless of classification. The federal funds ratio varies, typically 93.4% if spent on interstate routes or 90.97% otherwise.

**TAP (Transportation Alternatives Program)** – The Moving Ahead for Progress in the 21st Century Act (MAP-21) replaced the Transportation Enhancement (TE) activities with the Transportation Alternatives Program (TA), a new program, with funding derived from the NHPP, STP, HSIP, CMAQ and Metropolitan Planning programs, encompassing most activities funded under the Transportation Enhancements, Recreational Trails, and Safe Routes to School programs under SAFETEA-LU. The federal funds ratio can be 80% or 90.97%. This program of funds is found in the STIP under Need ID 30689.

**RPL (Metropolitan Planning)** – In Alaska, these funds can be used in any urban area within the state. Planning processes and special planning studies are eligible activities within this program. The federal funds ratio is 90.97%.

### **Transit and Rail Fund Codes**

**5307 (Capital and Operating Funds for Urbanized Areas)** – These funds are distributed to eligible urban areas according to a federally mandated formula based on population, population density, and level of public transportation service. The eligible transit operations in Alaska for this program are in Anchorage and Fairbanks. Urban areas with populations over 200,000 (Anchorage) receive funds directly from FTA and may use their funds for capital investments. Urban areas with populations under 200,000 (Fairbanks) may use the funds for both operations and capital projects. In each case the project selections are made by the MPO and are listed in its TIP.

**5307RR - FTA (Alaska Railroad Passenger Operations)** – A portion of Section 5307 funds, Capital and Operating Funds for Urbanized Areas specifically set aside for the Alaska Railroad for costs related to passenger operations.

**5309 - FTA (Capital Program)** – This program provides capital assistance for three primary activities:

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- **(5309BU)** New and replacement buses and facilities
- **(5309FG)** Modernization of existing rail and ferry systems
- **(5309NS)** (New Starts) New fixed-guideway systems (including ferry systems)

**5311 (Non-urbanized Area Formula Program)** – This program provides funding to enhance public transportation in rural and small urban areas. It also assists in the maintenance, development, improvement, and use of public transportation systems. A component of this program is the Rural Transit Assistance Program (RTAP), which provides training and technical assistance to transit operators. The federal funds ratio is 90.97% for capital projects and project administration, and up to 56.86% for operating assistance. RTAP projects are 100% federally funded.

**5337GR (Section 5337 State of Good Repair)** – A new formula-based State of Good Repair program is FTA's first stand-alone initiative written into law that is dedicated to repairing and upgrading the nation's rail transit systems along with high-intensity motor bus systems that use high-occupancy vehicle lanes, including bus rapid transit (BRT). These funds reflect a commitment to ensuring that public transit operates safely, efficiently, reliably, and sustainably so that communities can offer balanced transportation choices that help to improve mobility, reduce congestion, and encourage economic development.

**5339 – (Bus and Bus Facilities)** – Funding for capital expenses for eligible rural public transit systems.

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
32119	TBD	<b>5th Avenue Reconstruction</b> Reconstruct 5th Avenue from Barnette to Noble Street to provide improved facilities for all users. Reconstruction includes ADA-compliant sidewalks and shoulders to accommodate bicyclists, wayfinding and bicycle route signs, and landscaping in accordance with FMATS "Complete Streets" Policy.	STP	Design	218.8		109.8				
			TAP		77.3						
			3PF		29.4		10.9				
			STP	Right-of-Way				27.3			
			3PF				2.7				
			STP	Utilities					409.4		
			3PF					40.6			
			STP	Construction						1,547.7	
			TAP						454.9		
			3PF						153.6		
			ACC								-1,547.7
			AC							1,092.8	
<b>Project Total</b>					<b>325.5</b>	<b>0.0</b>	<b>150.8</b>	<b>2,151.3</b>	<b>0.0</b>	<b>0.0</b>	
32279	TBD	<b>Airport West Bicycle &amp; Pedestrian Facility</b> Construct bicycle and pedestrian connection from the Fairbanks International Airport terminal to the neighborhoods west of the Airport and planned non-motorized facilities along Dale Road.	STP	Design	300.2	154.6					
			SM		29.8	15.4					
			STP	Right-of-Way			2.3				
			SM				0.2				
			STP	Utilities				9.1			
			SM					0.9			
			STP	Construction							2,274.3
			SM								225.8
<b>Project Total</b>					<b>330.0</b>	<b>172.5</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,500.0</b>	
21934	NFHWY00395	<b>Advanced Project Definition</b> Provide funding to the State and City to develop new estimates for TIP projects.	STP	Planning	91.0			91.0			
			FAM		9.0			9.0			
<b>Project Total</b>					<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30011	TBD	<b>Barnette Street Reconstruction</b> Reconstruct Barnette Street from 1st Avenue to Airport Way to include signal upgrades, decorative lighting, a dedicated bike lane, drainage improvements, intersection and sidewalk upgrades, utility relocation, signing and striping and landscaping. This project should be consistent with the Complete Streets concept of Cushman Street. <i>50% local match / 50% state match</i>	STP	Design			955.2			1,091.6	
			AC					1,091.6			
			ACC						-1,091.6		
			3PF				47.4		54.2		
			SM	Right-of-Way			47.4		54.2		
			STP							91.0	
			3PF							4.5	
			SM	Utilities							4.5
			STP							909.7	
			3PF							45.2	
			SM	Construction							45.2
			STP							11,007.4	
			3PF							546.3	
			SM							546.3	
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>1,050.0</b>	<b>0.0</b>	<b>1,200.0</b>	<b>13,200.0</b>	
32278	TBD	<b>Bike Lane Striping &amp; Signing</b> Signing and striping of existing paved shoulders withing Fairbanks City Limits on City streets to accommodate bicyclists as designated bike lanes for seasonal use.	ILLU	Design						356.0	
				Right-of-Way						0.0	
				Utilities						10.0	
				Construction						1,733.0	
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2,099.0</b>	
26078	NFHWY00280	<b>Chena River Walk Stage III</b> Construct an approximately 3,200' long segment, multi-use asphalt path that is 10 feet wide with 2-foot gravel shoulders. The proposed path would be constructed on the north side of the Chena River from the existing Chena River pedestrian bridge crossing near Pioneer Park to the east side of Peger Road where the new path turns to a north/south orientation along Peger Road until it terminates at the southeast corner of the Peger Road and Phillips Field Road controlled intersection. <i>Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	CMAQ	Design	277.5						
			FAM		27.5						
			CMAQ	Right-of-Way			2.3				
			FAM				0.2				
			CMAQ	Utilities			2.3				
			FAM				0.2				
			STP	Construction					1,580.2		
			FAM				156.9				
			ACC						-1,580.2		
			AC				1,580.2				
<b>Project Total</b>					<b>305.0</b>	<b>5.0</b>	<b>1,737.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30099	NFHWY00290	<b>College Road Bus Pullouts</b> <i>Construct new bus stop facilities along College Road. Work includes roadside hardware, drainage improvements, ADA improvements and utilities. New pullouts may potentially increase transit ridership and reduce congestion since the enhanced facility may make transit safer for the rider. It will also reduce idling by moving the bus outside of the travel lane.</i>	STP	Design	181.9						
			SM		18.1						
			CMAQ	Right-of-Way		227.4					
			SM		22.6						
			CMAQ	Utilities		181.9					
			SM		18.1						
			AC	Construction			600.4				
			ACC					-600.4			
			STP					600.4			
SM					59.6						
<b>Project Total</b>					<b>200.0</b>	<b>450.0</b>	<b>660.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
30012	NFHWY00126	<b>Cowles Street Reconstruction</b> <i>Reconstruct Cowles Street from 1st Avenue through East Cowles Street. Project work will include roadside hardware, drainage improvements, intersection improvements, ADA improvements and utilities. 50% local match / 50% state match. Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	STP	Design	136.5						
			FAF								
			SM		6.8						
			3PF	6.8							
			STP	Right-of-Way			227.0				
			AC			227.0					
			ACC				-227.0				
			SM			11.3					
			3PF		11.3						
			STP	Utilities					190.4		
			AC				190.4				
			ACC					-190.4			
			SM				9.5				
			3PF		9.5						
			STP	Construction						2,199.2	2,199.2
			CMAQ					727.8	727.8		
			3PF					254.4			
			SM					326.7			
AC					5,126.1						
ACC						-2,926.9	-2,199.2				
<b>Project Total</b>					<b>150.0</b>	<b>249.5</b>	<b>209.4</b>	<b>6,435.0</b>	<b>0.0</b>	<b>0.0</b>	
22765	NFHWY00336	<b>Coordinators Office</b> <i>Funding for the Fairbanks Metropolitan Area Transportation System (FMATS) Coordinator's office which supports delivery of the FMATS program.</i>	STP	Planning	106.1	100.0	100.0	100.0	100.0		
			PL		274.6	274.6	274.6	274.6	274.6		
			FAM		37.8	37.2	37.2	37.2	37.2		
			FAF		10.0	10.0	10.0	10.0	10.0		
<b>Project Total</b>					<b>428.5</b>	<b>421.8</b>	<b>421.8</b>	<b>421.8</b>	<b>421.8</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
38471	Z622070000	<b>Cushman Street Bridge Rehabilitation</b> Rehabilitate the Cushman Street Bridge and Cushman Street between the First Avenue and Terminal Street intersections. Project work will include bridge work, roadside hardware, ADA sidewalk and curb ramp improvements.	STP	Design		2.3				
			SM			0.2				
			AC	Construction				4,821.4		
			ACC						-2,410.7	-2,410.7
			STP						2,410.7	2,410.7
			SM					478.6		
<b>Project Total</b>					<b>0.0</b>	<b>2.5</b>	<b>0.0</b>	<b>5,300.0</b>	<b>0.0</b>	<b>0.0</b>
31516	NFHWY00425	<b>Fairbanks Road/Rail Crossing Reduction/Realignment Plan</b> The primary purpose of the PLAN is to serve as a long-range road/rail planning document. The PLAN will enable FMATS and its agency partners to implement a more efficient and effective approach to integrate passenger and freight rail elements into the larger multi-modal and intermodal transportation framework.	BANK	Planning	136.5					
			FAM		13.5					
			FAF		318.4					
			SM		31.6					
<b>Project Total</b>					<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
29673 19096	NFHWY00365 NFHWY00284	<b>FMATS Improvement Program</b> Pavement surface maintenance, traffic control signal upgrades, street light load center rehab, storm drain maintenance, reclaim/double chip, seal coat, crack sealing, roadway striping, sidewalks, dust control, signage replacement and intersection upgrades. <i>State pays design match and local governments pay construction match, per agreement.</i>	STP	Design		2.3				
			SM			0.2				
			STP	Right-of-Way		2.3				
			SM			0.2				
			STP	Utilities		2.3				
			SM			0.2				
			AC	Construction	1,809.6					
			ACC			-1,809.6				
			STP			2,682.5				
			3PF		179.6	86.6				
<b>Project Total</b>					<b>1,989.2</b>	<b>967.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
19096 30229	NFHWY00165 NFHWY00271	<b>FMATS Intersection Improvement Program</b> Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FMATS boundary.	STP	Design		2.3				
			SM			0.2				
			STP	Right-of-Way		2.3				
			SM			0.2				
			STP	Utilities		2.5				
			SM			0.2				
			STP	Construction	132.3		272.9			
			3PF		13.1		27.1			
<b>Project Total</b>					<b>145.4</b>	<b>7.7</b>	<b>300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
TBD	TBD	<b>FMATS Safety and Efficiency Program</b>	ILLU	All							
		Low-cost improvements to enhance the safety and efficiency of the existing transportation system. Projects may include but are not limited to signing, striping, lighting upgrades, signal timing, signal controller upgrades and maintenance.									
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
30096	NFHWY00170 NFHWY00282	<b>FMATS Sidewalk Improvement Program</b>	BANK	Design	255.3						
		This is an annual project. Fund projects that will improve connectivity, safety, mobility and access for pedestrians throughout the MPA. <i>Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	STP								
			SM	25.3							
			STP		Right-of-Way		2.3				
			SM				0.2				
			STP		Utilities	9.1					
			SM			0.9					
			AC		Construction	1,074.7					
			3PF			221.4		74.0			
			ACC				-1,074.7				
			CMAQ				313.8	727.8			
			STP				1,155.5	760.9	17.3		
<b>Project Total</b>					<b>2,742.2</b>	<b>2.5</b>	<b>819.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
16104	Z637840000	<b>Gillam Way Reconstruction</b>	STP	Utilities	91.0						
		Reconstruct Gillam Way between Airport Way to 22nd Avenue including pedestrian and drainage improvements, utilities and traffic calming. <i>50% local match / 50% state match</i> <i>Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	FAF		268.8						
			SM		17.9						
			3PF			17.9					
			STP		Construction	3,623.0	111.3				
			CMAQ			313.9					
			AC			111.3					
			ACC				-111.3				
			SM			270.9					
			3PF			270.9					
			FAF			1,409.8					
<b>Project Total</b>					<b>6,395.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
30029	TBD	<b>Lacey Street Reconstruction</b>	ILLU	Design						2,500.0	
		Reconstruct Lacey Street from 1st to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping, and landscaping.		Right-of-Way						700.0	
				Utilities						925.0	
				Construction						10,000.0	
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14,125.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
30105	TBD	<b>Lathrop Street Extension</b> Reconstruct sections of South Lathrop Street and extend it from the Alaska Railroad Crossing at Sanduri Street to the proposed entry road to the Tanana Lakes Recreation Area, at the Tanana River levee. Improvements include constructing a gravel road prism 30 feet wide and upgrade of the railroad crossing at Sanduri.	STP	Design		122.8						
			3PF			12.2						
			STP	Utilities					727.8			
			AC					727.8				
			ACC						-727.8			
			3PF						72.2			
			STP	Construction						467.6		
			AC						467.6			
			ACC							-467.6		
			3PF							46.4		
<b>Project Total</b>					<b>0.0</b>	<b>135.0</b>	<b>1,314.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
6587	Z628380000	<b>McGrath Rd Upgrade</b> Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed.	STP	Utilities	527.6							
			SM		52.4							
			STP	Construction					5,094.3			
			ACC					-5,094.3				
			AC						5,094.3			
			SM						505.7			
<b>Project Total</b>					<b>580.0</b>	<b>5,600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
TBD	TBD	<b>Metropolitan Transportation Plan Update</b> Update FMATS Metropolitan Transportation Plan as required under 23 USC 134 (occurs every 4 years).	STP	Planning				136.5				
			FAM					13.5				
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
31389	NFHWY00274	<b>Minnie Street Upgrade</b> Reconstruct Minnie Street from Erceg Street to the Old Steese Highway in accordance with the results of the Planning and Environmental Linkages study and approval of the Policy Board. Improvements may involve improving intersection geometries, upgrading sidewalks to meet ADA standards, storm drain system, utility relocations and rehabilitation or replacement of the Noyes Slough Bridge. <i>50% local match / 50% state match</i>	STP	Design		887.0			1,182.6		
			AC				1,182.6				
			ACC				-1,182.6				
			SM		44.0	58.7					
			3PF		44.0	58.7					
			STP	Right-of-Way						1,364.6	
			AC					1,364.6			
			ACC					-1,364.6			
			SM					67.7			
			3PF					67.7			
			STP	Utilities							909.7
			SM							45.2	
			3PF							45.2	
			STP	Construction							8,642.2
			SM							428.9	
			3PF							428.9	
<b>Project Total</b>					<b>0.0</b>	<b>975.0</b>	<b>0.0</b>	<b>1,300.0</b>	<b>1,500.0</b>	<b>10,500.0</b>	
24960	TBD	<b>Nelson Road Bicycle &amp; Pedestrian Facility</b> Construct a bicycle and pedestrian facility along Nelson Road by adding shoulders or a seperated multiuse path.	ILLU	Design						1,153.0	
				Right-of-Way					150.0		
				Utilities					770.0		
				Construction					5,919.0		
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7,992.0</b>	
TBD	TBD	<b>Non-Motorized Plan Update</b> Update FMATS Non-Motorized Plan (2012) to improve conditions for bicyclists and pedestrians with the Metropolitan Planning Area.	STP	Planning	136.5						
			FAM		13.5						
<b>Project Total</b>					<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
30106	NFHWY00269	<b>North Pole Streetlight Standardization</b> Upgrade the streetlights in older subdivisions and illuminate several areas in the city currently not illuminated. Consolidate the streetlights on to one or a few circuits.	BANK	Design	163.7							
			3PF		16.3							
			STP	Right-of-Way				91.0				
			AC				91.0					
			ACC					-91.0				
			3PF				9.0					
			STP	Utilities					91.0			
			AC					91.0				
			ACC						-91.0			
			3PF	Construction					9.0			
			AC						532.1			
			3PF						116.1			
			STP						637.8	532.1		
			ACC						-532.1			
<b>Project Total</b>					<b>180.0</b>	<b>100.0</b>	<b>100.0</b>	<b>1,286.0</b>	<b>0.0</b>	<b>0.0</b>		
30100	NFHWY00158	<b>Old Richardson Highway Intersection Improvements</b> Improve intersections in North Pole at Santa Claus Lane and East 5th Avenue and North Pole High School Boulevard at Old Richardson Highway and 8th Avenue. The railroad crossings will also be improved to current standards.	STP	Design	300.2							
			SM		29.8							
			STP	Right-of-Way				2.3				
			SM				0.2					
			STP	Utilities					2.3			
			SM					0.2				
			STP	Construction						545.8		
SM						54.2						
<b>Project Total</b>					<b>330.0</b>	<b>2.5</b>	<b>2.5</b>	<b>600.0</b>	<b>0.0</b>	<b>0.0</b>		
TBD	TBD	<b>Road Service Area Expansion</b> Expand existing Road Service Areas (RSAs) or create new RSAs to address "orphan roads," including funding to upgrade roads to current standards.	STP	Planning	100.0							
			3PF		50.0							
<b>Project Total</b>					<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		

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30093	NFHWY00246	<b>Sign Replacement - Stage III</b> Replace signs in accordance with each entity's established sign management plans to meet the requirements of the MUTCD.	STP	Design		2.3				
			3PF			0.2				
			STP	Right-of-Way		2.3				
			3PF			0.2				
			STP	Utilities		2.3				
			3PF			0.2				
			AC	Construction			1,819.4			
			3PF			180.6				
			ACC					-1,819.4		
STP					1,819.4					
<b>Project Total</b>					<b>0.0</b>	<b>7.5</b>	<b>2,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
26087	NFHWY00014	<b>Tanana Loop and South Chandalar Drive Intersections</b> Reconstruct the intersections of Tanana Loop/Alumni Drive, Tanana Loop/South Chandalar Drive, and Salcha Street/South Chandalar Drive including the portions of South Chandalar Drive between the intersections up to Amber Lane and any additional road construction required by intersection improvements. Reconstruct the existing pedestrian facilities and construct new pedestrian facilities on Alumni Drive, Tanana Loop, Salcha Street, and South Chandalar Drive. Project includes roadside hardware, utilities, drainage improvements, intersection improvements, and ADA improvements.	STP	Design	68.2					
			FAF		76.4					
			FAM		14.4					
			STP	Construction		2,867.4				
			FAM			284.6				
<b>Project Total</b>					<b>159.0</b>	<b>3,152.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
29969	NFHWY00137	<b>Wembley Avenue Improvements</b> Reconstruct Wembley Avenue from Aurora Drive to Danby Street and construct a pedestrian facility. <i>Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	CMAQ	Construction	136.4					
			ACC		-136.4					
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
32178	TBD	<b>Woll Road Resurfacing &amp; Widening</b> Resurface and widen Woll Road from Bradway Road to Ownby Road.	STP	Design	350.2		227.4			
			SM		34.8		22.6			
			STP	Right-of-Way			2.3			
			SM				0.2			
			STP	Utilities				181.9		
			SM				18.1			
			STP	Construction						2,065.0
			SM						205.2	
<b>Project Total</b>					<b>385.0</b>	<b>0.0</b>	<b>252.5</b>	<b>200.0</b>	<b>0.0</b>	<b>2,270.2</b>

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99392	NFHWY00139	Yankovich/Miller Hill Road Reconstruction  Reconstruct Miller Hill Road and Yankovich Road, and improve existing separated multi-use path as needed. Project work will include roadside hardware, drainage improvements, and utilities.	STP	Right-of-Way			636.8					
			SM			63.2						
			ACC				-636.8					
			AC			636.8						
			STP	Utilities					664.3			
			SM					66.0				
			ACC						-664.3			
			AC					664.3				
			ACC	Construction							-2,079.6	-2,079.6
			SM						412.9			
			STP								2,079.6	2,079.6
			AC							4,159.1		
			<b>Project Total</b>					<b>0.0</b>	<b>700.0</b>	<b>730.3</b>	<b>4,572.0</b>	<b>0.0</b>

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
<b>Funding (Revenue) Summary</b>										
		FMATS STP ALLOCATION (Federal)	STP		7,528.1	7,716.3	7,909.2	8,106.9	8,309.6	
		(Federal)	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning funds	PL		274.6	274.6	274.6	274.6	274.6	
			BANK		555.5					
					9,086.0	8,718.7	8,911.6	9,109.3	9,312.0	
		<i>This shows the overall match required for the federal funds above.</i>								
		FMATS STP ALLOCATION (state & 3PF match)	Match		747.3	765.9	785.1	804.7	824.8	
		Match needed for all CMAQ funds	CMAQ-M		72.2	72.2	72.2	72.2	72.2	
		Match needed for all Planning funds	PL-M		27.3	27.3	27.3	27.3	27.3	
		Match needed for all Banking funds	BANK-M		55.1	0.0	0.0	0.0	0.0	
					901.9	865.4	884.5	904.2	924.3	
					9,987.8	9,584.1	9,796.1	10,013.5	10,236.3	
<b>Funding (Revenue) Total</b>										
<b>Projected Obligations Summary</b>										
		<b>Fund Code Description</b>	<b>Fund Code</b>		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	
<b>Federal Summary</b>										
		FMATS STP Allocation (federal)	STP		7,528.1	7,716.3	7,909.1	8,106.9	10,051.8	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.7	727.8	727.8	727.8	
		Planning Funds	PL		274.6	274.6	274.6	274.6	274.6	
		(federal)	BANK		555.5	0.0	0.0	0.0	0.0	
				<i>Federal Subtotal</i>	9,085.9	8,718.6	8,911.5	9,109.3	11,054.2	
		Advanced Construction	AC		2,995.6	6,049.1	6,141.1	16,914.2	2,456.2	
		Advance Construction Conversion(Payback)	ACC		-136.4	-2,995.6	-6,049.1	-6,141.1	-10,679.6	
				<i>AC/ACC Subtotal</i>	2,859.2	3,053.5	92.0	10,773.1	-8,223.4	
<b>Federal Match Summary</b>										
		State Match	SM		518.2	682.4	206.5	1,349.1	121.9	
		Match contributions from local governments	3PF		805.3	163.8	479.8	623.5	121.9	
		FMATS Appropriation Match	FAM		115.8	322.3	207.6	46.2	37.2	
				<i>Match Subtotal</i>	1,439.3	1,168.5	893.9	2,018.8	281.0	
					10,525.2	9,887.1	9,805.4	11,128.1	11,335.2	
<b>Illustrative Summary</b>										
		Illustrative - Fund Place Holder	ILLU		0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	0.0	0.0	0.0	
<b>General Fund Summary</b>										
		FMATS Appropriation Funds	FAF		2,083.4	10.0	10.0	10.0	10.0	
				<i>TOTAL</i>	2,083.4	10.0	10.0	10.0	10.0	
				<b>GRAND TOTAL</b>	12,608.6	9,897.1	9,815.4	11,138.1	11,345.2	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
<b>FTA Projects within FMATS Boundary</b>										
<b>Need ID</b>	<b>Project Description</b>		<b>Fund Code</b>	<b>Fund Type</b>	<b>FFY19</b>	<b>FFY20</b>	<b>FFY21</b>	<b>FFY22</b>	<b>FFY23</b>	<b>Beyond</b>
	<b>Urbanized Area Formula Grant - FNSB</b>		FTA	5307	1,325.3	1,325.3				
	Transit operating assistance, and purchase of a bus.		Match		1,123.3	331.3				
	<b>Project Total</b>				<b>2448.7</b>	<b>1656.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	20.0	20.0				
	Associated transit improvements.		Match		5.0	5.0				
	<b>Project Total</b>				<b>25.0</b>	<b>25.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	200.0	200.0				
	Track rehabilitation.		Match		50.0	50.0				
	<b>Project Total</b>				<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	200.0	200.0				
	Preventive maintenance.		Match		50.0	50.0				
	<b>Project Total</b>				<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	40.0	92.0				
	Dispatch Radio Modernization: Upgrade/replace dispatch radios		Match		10.0	23.0				
	<b>Project Total</b>				<b>50.0</b>	<b>115.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Transit Security - ARRC</b>		FTA	5307	40.0	40.0				
	Support for transportation infrastructure security activities to strengthen the nation's critical infrastructure against risks associated with potential terrorist attacks		Match		10.0	10.0				
	<b>Project Total</b>				<b>50.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>MACS Fleet Transition to CNG</b>		FTA	5307		1,754.9	1,340.2	1,364.6		
	Transition the MACS fleet to Compressed Natural Gas in accordance with MACS Recommended 10-year Bus Replacement Plan 2019-2028.		Match			438.7	335.0	341.2		
	<b>Project Total</b>				<b>0.0</b>	<b>2193.6</b>	<b>1675.2</b>	<b>1705.8</b>	<b>0.0</b>	
	<b>Rural Transit - FNSB</b>		ILLU	5311	0.0	0.0				
	Operational funding for the gray line.		Match		0.0	0.0				
	<b>Project Total</b>				<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>State of Good Repair - ARRC</b>		FTA	5337	200.0	200.0				
	Preventive maintenance.		Match		50.0	50.0				
	<b>Project Total</b>				<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>State of Good Repair - ARRC</b>		FTA	5337	200.0	200.0				
	Track rehabilitation.		Match		50.0	50.0				
	<b>Project Total</b>				<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>State of Good Repair - ARRC</b>		FTA	5337	40.0	92.0				
	Dispatch Radio Modernization: Upgrade/replace dispatch radios.		Match		10.0	23.0				
	<b>Project Total</b>				<b>50.0</b>	<b>115.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Enhanced Mobility for Seniors &amp; Individuals with Disabilities</b>		FTA	5310	80.6	81.6				
	Funding for VanTran service.		FNSB		20.1	20.4				
	<b>Project Total</b>				<b>100.7</b>	<b>102.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Transit Maintenance Facility Expansion</b>		ILLU	5339						
	Renovation and expansion of the transit maintenance facility, including utility connection and/or storage of CNG.		FTA							
			FNSB							
	<b>Project Total</b>				<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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	<b>Van Tran Fleet Transition to CNG</b>	Transition the Van Tran fleet to Compressed Natural Gas in accordance with Van Tran Recommended 10-year Bus Replacement Plan 2019-2028.	FTA	5310	168.0	113.5	115.1	58.4		
			Match		42.0	28.4	28.8	14.6		
<b>Project Total</b>					<b>210.0</b>	<b>141.9</b>	<b>143.9</b>	<b>72.9</b>	<b>0.0</b>	
	<b>Bus and Bus Facility Allocations - FNSB</b>		FTA	5339	95.2	95.2				
			FNSB		23.8	23.8				
<b>Project Total</b>					<b>119.0</b>	<b>119.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Buses and Bus Facility Competitive Grant</b>		ILLU	5339(b)						
			FNSB							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>NHS Projects within FMATS Boundary</b>										
Need ID	IRIS	Project Description / Funding Source	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
3843	Z640780000	<b>Airport Way / Cushman Street Intersection Reconstruction</b> Reconstruct the intersection at Airport Way and Cushman Street.	AC	Right-of-Way		4,275.6				
			SM		424.4					
			CMAQ	Design	1,637.5					
			SM		162.5					
<b>Project Total</b>					<b>1,800.0</b>	<b>4,700.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>14,106.2</b>
29881	TBD	<b>Airport Way Drainage</b> Improve roadway drainage by replacing drainage structures, reconfiguring roadway geometry and frontage road separation, grading and adjusting utilities. This project will also address ADA compliance and associated drainage needs.	NHPP	Design		545.8				
			SM		54.2					
<b>Project Total</b>					<b>0.0</b>	<b>600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9,700.0</b>
19217	NFHWY00245	<b>Airport Way / Steese Expy /Gaffney Rd / Richardson Hwy Interchange</b> Construct a grade-separated facility at the intersection of Gaffney Road, Airport Way, Richardson Highway, and the Steese Expressway (GARS) to improve safety and traffic flow.	HSIP	Design	1,100.0					
				Right-of-Way						
				Utilities		500.0				
				Construction			30,800.0			
<b>Project Total</b>					<b>1,100.0</b>	<b>500.0</b>	<b>30,800.0</b>	<b>0.0</b>	<b>0.0</b>	
15685	Z618720000	<b>Airport Way (West) Improvements</b> Construct intersection improvements along Airport Way between Dale Road and the Parks Highway. Project includes bicycle/pedestrian facilities along Hoselton Road to the Boat Street path.	ILLU	Construction						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9,000.0</b>
19217	NFHWY00360	<b>Fairbanks Area Concrete Barrier Upgrades</b> Upgrade the concrete barriers on the Johansen Expressway, Parks Highway/Mitchell Expressway, Steese Expressway, and the Richardson Highway to current design standards. Work includes roadside hardware.	HSIP	Construction	1,000.0	6,340.2				
<b>Project Total</b>					<b>1,000.0</b>	<b>6,340.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
19217	NFHWY00098	<b>Fairbanks Ramp Sight Distance Improvements</b> Reconstruct right turn ramps at multiple locations throughout the Fairbanks area to improve sight distance. Work includes roadside hardware, drainage improvements, intersection improvements, ADA improvements, and utilities.	HSIP	Construction	880.0					
<b>Project Total</b>					<b>880.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
25598	Z615970000	<b>Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path</b>	ILLU	Construction							
		Construct a paved bicycle/pedestrian path on the Richardson Highway between MP 357 - 362, starting from the Richardson Highway/Airport Way intersection, continuing along the Richardson Highway to the Badger Loop North Bound Ramp, and terminating at the Badger Road/Old Richardson Highway intersection.									
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,835.0</b>	
19217	NFHWY00097	<b>Richardson Hwy MP 351 Interchange</b>	HSIP	Design	615.0						
		Replace the existing at grade intersection with an interchange to reduce turning related crashes.		Right-of-Way	500.0						
		Utilities			700.0						
		Construction			19,150.0						
<b>Project Total</b>					<b>1,115.0</b>	<b>19,850.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
30069	TBD	<b>Richardson Highway MP 350-353 Access Improvements</b>	NHPP	Design			1,637.5				
		Improve existing access control including development of frontage roads on the Richardson Highway. Work includes resurfacing the Richardson Highway, improving and consolidating intersections, and grade separation of the Alaska Railroad crossing.	SM			162.5					
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>1,800.0</b>	<b>0.0</b>	<b>0.0</b>	<b>38,000.0</b>	
2130	Z661480000	<b>Richardson Highway MP 353 - 357 Access/Safety Improvements</b>	AC	Construction	20,000.0						
		Improve access control on the Richardson Highway between approximate mileposts 353-357. This project will upgrade and extend the existing frontage road system, construct improved at-grade intersections, and eliminate a number of existing access approaches onto the Richardson Highway.	ACC			-20,000.0					
		NHPP	3,910.4		20,000.0						
		SM	1,689.6								
<b>Project Total</b>					<b>25,600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
28069	Z607340000	<b>Richardson Highway MP 359 Railroad Grade Separated Facility</b>	NHPP	Design		1,333.8					
		Construct grade-separated crossing at MP 359 of the Richardson Highway to reduce railroad/vehicle conflicts; improve connectivity with the Old Richardson Highway; and provide Fort Wainwright south gate access.	SM			94.2					
					NHPP	Right-of-Way		467.0			
					SM			33.0			
					NHPP	Utilities		909.7			
					SM			90.3			
<b>Project Total</b>					<b>0.0</b>	<b>2,928.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>38,500.0</b>	
22441	Z625410000	<b>Steese Highway and 3rd Street Widening</b>	AC	Construction		13,645.5					
		Reconstruct and widen 3rd Street between Hamilton/Farewell and the Minnie Street Bridge (#0295). Work will include turn lanes and signalization improvements at the New Steese Expressway intersection.	SM			1,354.5					
<b>Project Total</b>					<b>0.0</b>	<b>15,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>13,645.5</b>	
30150	NFHWY00020	<b>Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane</b>	NHPP	Right-of-Way	136.5						
		Conduct a bypass lane and retaining wall at the Steese Highway north bound ramp to Chena Hot Springs Road.	SM		13.5						
					NHPP	Construction		591.3			
					SM			58.7			
<b>Project Total</b>					<b>150.0</b>	<b>650.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		

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**Approved 04.17.19**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
29829	Z607320000	<b>Steese Expressway / Johansen Expressway Interchange</b> Construct a grade separated interchange at the intersection of Steese Expressway and Johansen Expressway. Realign adjacent access as necessary to accommodate the selected interchange configuration.	NHPP	Design	1,886.7					
			SM		187.3					
			NHPP	Right-of-Way		2,729.1				
			SM		270.9					
			NHPP	Utilities		909.7				
SM	90.3									
<b>Project Total</b>					<b>2,074.0</b>	<b>4,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31,000.0</b>
31578	Z632130000	<b>University Ave Rehabilitation: Side Streets</b> Finish Halvorson, portions of Goldizen and Geraghty Avenue, as well as advance utility relocations as part of the larger University Avenue Rehabilitation project.	ILLU	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10,000.0</b>
31577	Z632130000	<b>University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)</b> Widen and reconstruct University Avenue to current standards from Thomas Street to the Chena River, including replacement of University Ave Bridge #0263.	ILLU	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>18,000.0</b>
29656	Z632130000	<b>University Avenue Rehabilitation: Chena River to Parks Highway (Segment II)</b> Widen and reconstruct University Avenue to current standards from the Chena River to the Parks Highway.	ILLU	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25,000.0</b>
<b>Other Major Projects Within FMATS Boundary</b>										
Need ID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
26076	NFHWY00124	<b>Aurora Drive- Noyes Slough Bridge</b> Replace the Noyes Slough bridge on Aurora Drive in Fairbanks	STP	Right-of-Way	354.8					
			SM		35.2					
			STP	Utilities	272.9					
			SM		27.1					
<b>Project Total</b>					<b>690.0</b>					<b>7,250.0</b>
19217	NFHWY00096	<b>Badger Road Two Way Left Turn Lane</b> Upgrade Badger Road between Dennis Road and Hurst Road to accommodate a two way left turn lane. Accommodating the two way left turn lane may require road widening. Additional work will include signing, striping, drainage, and utilities.	HSIP	Design	500.0					
				Utilities	150.0					
				Construction	19,130.0					
<b>Project Total</b>					<b>19,780.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
27542	NFHWY00289	<b>Chena Hot Spring Road MP 0-6</b> Rehabilitate Chena Hot Spring Road.	STP	Design	1,071.6					
			SM		106.4					
			STP	Utilities		227.4				
			SM		22.6					
			AC	Construction		15,464.9				
SM	1,535.1									
<b>Project Total</b>					<b>1,178.0</b>	<b>17,250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15,464.9</b>

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM**  
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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
31656	NFHWY00016	<b>Chena Pump Road Bike &amp; Pedestrian Facility Rehabilitation</b> Rehabilitate the existing Chena Pump Road bicycle path between Dartmouth Drive and the Pump House Restaurant. Improvements include widening Chena Pump Road shoulders between the Pump House Restaurant and Grebe Drive, bridge work on the Cripple Creek pedestrian bridge, drainage and roadside hardware.	AC	Construction	1,455.5					
			ACC			-1,455.5				
			STP			1,455.5				
			SM		144.5					
<b>Project Total</b>					<b>1,600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
19217	Z772770000	<b>College Road Median Extension</b> Install a separate right turn lane for westbound traffic at the intersection of College Road/Old Steese Highway, and a new right turn lane creating dual rights for eastbound traffic at the intersection of College Road/Steese Expressway.	HSIP	Construction						
					520.0					
<b>Project Total</b>					<b>520.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
19217	Z634810000	<b>Fairbanks Area Signal Upgrades</b> Signal modifications at multiple locations throughout the Fairbanks area, including installing signal heads, flashing yellow arrows, and replacing supplemental signal heads.	HSIP	Utilities	250.0					
				Construction	9,700.0					
				<b>Project Total</b>					<b>9,950.0</b>	<b>0.0</b>
31878	NFHWY00424	<b>Fairbanks North Pole Serious SIP</b> Development of the Fairbanks/North Pole Serious SIP, including development of a mobile source emission budget for the nonattainment area and FMATS to ensure the area remains eligible for federal highway funds.	STP	Planning	946.1	946.1	946.1			
			SM		93.9	93.9	93.9			
			<b>Project Total</b>					<b>1,040.0</b>	<b>1,040.0</b>	<b>1,040.0</b>
30369	NFHWY00155	<b>Northern Region ADA Reconnaissance &amp; Improvements</b> Design and Construct improvements recommended by the Northern Region ADA Reconnaissance Study.	STP	Design	136.5	227.4				
			SM		13.5	22.6				
			STP	Right-of-Way		91.0				
			SM			9.0				
			STP	Utilities		91.0				
			SM			9.0				
			STP	Construction			1,819.4			
			SM				180.6			
<b>Project Total</b>					<b>150.0</b>	<b>450.0</b>	<b>2,000.0</b>	<b>0.0</b>	<b>0.0</b>	
19217-4	Z634670000	<b>Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts</b> Construct roundabouts at the interchange ramp termini for the Steese Highway at Chena Hot Springs Road.	HSIP	Utilities		150.0				
			HSIP	Construction		5,000.0				
<b>Project Total</b>					<b>0.0</b>	<b>5,150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
26082	Z624870000	<b>Old Steese Highway Reconstruction</b> Reconstruct the Old Steese Highway from Wendell Avenue Bridge to, and including, the intersenction at the Johansen Expressway.	GO Bond	Design						
				Right-of-Way	2,100.0					
				Utilities	4,100.0					
				Construction				16,000.0		
<b>Project Total</b>					<b>6,200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16,000.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
6359	Z632910000	<b>Wendell Avenue Bridge</b> Replace the Wendell Avenue Bridge and rehabilitate Wendell Avenue/Old Steese Highway between the Clay Street and 3rd Street intersections. In addition provide pedestrian and bicycle access from the Graehl and Chena Riverwalk Parks to the bridge. Project work will include roadside hardware, utilities, drainage and ADA improvements.	GO Bond	Design						
				Right-of-Way						
				Utilities	700.0					
				Construction	18,000.0					
<b>Project Total</b>					<b>18,700.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>CMAQ PROJECTS</b>										
Need ID	IRIS	Project Description / Funding Source	Phase	Fund Code	FFY19	FFY20	FFY21	FFY22	FFY23	
27010	Z617630000	<b>Northern Region Signal Interconnect</b> To fund vehicle volume, classification, speed counts, and traffic counting equipment within the PM2.5 non-attainment area. Conduct a baseline study of local road VMT, as well as data analysis and reporting.	ACC	Construction	-605.5					
			CMAQ		4,548.5	4,548.5	4,548.5			
			SM		451.5	451.5	451.5			
<b>Project Total</b>					<b>4,394.5</b>	<b>5,000.0</b>	<b>5,000.0</b>	<b>0.0</b>	<b>0.0</b>	
26161	Z605660000	<b>Fairbanks Air Quality Planning Project</b> The goal of this project is to update the local transportation model and EPA mobile source emissions model. Fairbanks is a newly designated PM <sub>2.5</sub> non-attainment area and also a CO Maintenance area. An up to date transportation model and EPA mobile source emission model are needed for on-going transportation and air quality planning activities in the community. This project will provide funding to conduct federally mandated Air Quality Conformity Analysis for all long and short term planning documentation.	CMAQ	All	72.8	72.8	72.8			
			SM		7.2	7.2	7.2			
<b>Project Total</b>					<b>80.0</b>	<b>80.0</b>	<b>80.0</b>	<b>0.0</b>	<b>0.0</b>	<b>160.0</b>
29232	NFHWY00141 NFHWY00142 NFHWY00407	<b>Committed Measures for the Fairbanks SIP</b> This project is to fund committed measures identified in the Fairbanks SIP that addresses the Fairbanks PM2.5 non-attainment. [Carlson Center, Fairbanks & North Pole Libraries, and Big Dipper Plug-n-ins]	CMAQ-M	All	1,728.4	1,728.4	1,728.4			
			SM		171.6	171.6	171.6			
<b>Project Total</b>					<b>1,900.0</b>	<b>1,900.0</b>	<b>1,900.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,800.0</b>
18791	Z633860000 Z607090000 Z607110000	<b>Statewide Congestion and Mitigation Air Quality</b> The Department will work with DEC and appropriate local authorities to develop sub-allocations. Provide CMAQ funds to address non-attainment and maintenance measures in the Air Quality Statewide Improvement Program. [Fairbanks Area Signal Timing Upgrades, FNSB Air Quality Education Outreach, Statewide Implementation Plan]	CMAQ	All	482.1	482.1	482.1			
			CMAQ-M		2,729.1	2,729.1	2,729.1			
			SM		318.8	318.8	318.8			
<b>Project Total</b>					<b>3,530.0</b>	<b>3,530.0</b>	<b>3,530.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7,060.0</b>
<i>The above projects are in the 2019 - 2021 STIP. The following projects are sub-allocations from Need ID 29232 and Need ID 18791 and are exempt from conformity analysis. They are shown here for informational purposes only.</i>										
18791-16	Z607110000	<b>FNSB SIP</b> Prepare a Fairbanks PM 2.5 Non-Attainment Area Statewide Implementation Plan (SIP). This project includes inventory development, data collection, analysis, modeling, identifying control measures and components that demonstrate attainment.	CMAQ	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM**  
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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
18791-1	Z607090000	<b>FNSB Air Quality Education</b> Development and implementation of a multi-media campaign, collection of survey/behavioral data to support outreach activities, analyzing and distributing monitoring information, rental and purchase and operations and maintenance costs of signs displaying current air quality concentrations and enhanced outreach to support improved air quality.	CMAQ	All						
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0	
18791-Z	Z633860000	<b>Fairbanks Area Signal Timing Upgrades</b> Conduct a signal timing review to provide recommendations for signal coordination and to integrate signal timing improvements. Priority will be given to NHPP routes and higher functional class corridors within the Fairbanks PM2.5 non-attainment area to promote travel efficiency and reduce delays, thereby reducing PM2.5 emissions.	CMAQ	All						
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0	
29232-1	NFHWHY00141 NFHWHY00407	<b>Carlson Center Motor Vehicle Plug-In</b> Installation of electrical plug-ins at the Carlson Center for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.	CMAQ	All	526.5					
29232-2	NFHWHY00142 NFHWHY00407	<b>Fairbanks &amp; North Pole Libraries &amp; Big Dipper Plug-Ins</b> Installation of electrical plug-ins at the Fairbanks Library, North Pole Library and the Big Dipper for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.								
<b>Project Total</b>					526.5	0.0	0.0	0.0	0.0	



**U.S. DEPARTMENT OF TRANSPORTATION**

FEDERAL HIGHWAY ADMINISTRATION  
ALASKA DIVISION  
709 W. 9<sup>TH</sup> STREET, ROOM 851  
P.O. BOX 21648  
JUNEAU, ALASKA 99802-1648

FEDERAL TRANSIT ADMINISTRATION  
915 SECOND AVENUE, SUITE 3142  
SEATTLE, WASHINGTON 98174

June 26, 2019

Ben White, Director  
Program Development  
Department of Transportation and Public Facilities  
P.O. Box 112500  
3132 Channel Drive  
Juneau, AK 99811

Dear Mr. White:

The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) have received the Fairbanks Area Surface Transportation (FAST) Planning 2019-2023 TIP.

The FAST 2019-2023 TIP was developed in conformance with the requirements of 23 USC 134. For air quality conformity determination, 40 CFR 93.122(g) allows conformity for the TIP to be demonstrated without new regional emissions analysis if the projects in the TIP match the projects and timelines in the MTP. Interagency consultation on March 27, 2019 confirmed that the TIP projects do in fact match the 2045 MTP which was approved in January 2019, so the TIP conformity is satisfied based on the 2045 MTP.

The FHWA and FTA approve the conformity determination for the FAST 2019-2023 TIP. We also approve incorporation by reference the FAST 2019-2023 TIP into the 2018-2021 Alaska Statewide Transportation Improvement Program (TIP). If you have any questions, please contact Mr. John Lohrey, FHWA Transportation Planner at (907) 586-7428, or Mr. Ned Conroy, FTA Community Planner at (206) 220-4318.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sandra A. Garcia-Aline', written over a horizontal line.

Sandra A. Garcia-Aline  
Division Administrator  
Federal Highway Administration

**LINDA M  
GEHRKE** Digitally signed by  
LINDA M GEHRKE  
Date: 2019.06.26  
07:52:01 -07'00'

Linda M. Gehrke  
Regional Administrator  
Federal Transit Administration

Electronically cc:

Jackson Fox, FMATS Coordinator

Ned Conroy, FTA

Maren Brantner, STIP Coordinator

Judy Chapman, Northern Region Planning Chief



THE STATE  
of ALASKA  
GOVERNOR MICHAEL J. DUNLEAVY

## Department of Transportation and Public Facilities

DIVISION of PROGRAM DEVELOPMENT and STATEWIDE PLANNING  
Headquarters

3132 Channel, Suite 200  
P.O. Box 112500  
Juneau, Alaska 99811-2500  
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May 28, 2019

John Lohrey, Statewide Programs Team Leader  
Federal Highway Administration  
Alaska Division  
P.O. Box 21648  
Juneau, AK 99802-1648

Ned Conroy, Community Planner  
Federal Transit Administration, Region 10  
915 2<sup>nd</sup> Avenue, Suite 3142  
Seattle, WA 98174-1002

Dear Mr. Lohrey and Mr. Conroy:

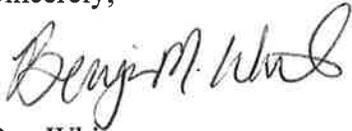
Enclosed for your review and concurrence is the FAST 2019-2023 TIP. This TIP was developed in conformance with 23 USC 134 and all applicable federal requirements for Metropolitan Planning Organizations. The FAST Policy Committee approved the TIP on April 19, 2019.

In accordance with the agreement between FAST and Alaska DOT&PF, the FAST MPO coordinator and FAST Policy Committee has determined that the FAST 2019-2023 TIP has met all the requirements of US Code Title 23, Section 134. The FAST 19-23 TIP was developed in direct coordination with projects and timelines listed in the 2045 MTP for which an Air Quality Conformity determination was approved on January 30, 2019. 40 CFR 93.122(g) permits reliance on the regional emissions analysis from the MTP, therefore, a finding of conformity for PM-2.5 and CO for the FAST 19-23 TIP is supported, although the final determination is the responsibility of the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). We find the FAST 19-23 TIP is fiscally constrained by the allocations made in the 2018-2021 Statewide Transportation Improvement Program (STIP).

We request your concurrence to our determination to incorporate by reference the FAST 2019-2023 TIP into the 2018-2021 Alaska Statewide Transportation Improvement Program (STIP). In collaboration with FAST, additional guidelines will be established for the use of Advanced Construction in the TIP. It is the Departments' expectation that these new guidelines will be implemented in the 19-23 TIP prior to approval of any future TIP modifications, and prior to FY2020 Advanced Construction moving forward.

*"Keep Alaska Moving through service and infrastructure."*

Sincerely,

A handwritten signature in black ink, appearing to read "Ben White". The signature is fluid and cursive, with the first name "Ben" and last name "White" clearly distinguishable.

Ben White,  
Director, Program Development

Enclosures

cc: Maren Brantner, STIP Manager, DOT&PF  
Judy Chapman, Northern Region Planning Chief  
Ned Conroy, Community Planner, FTA  
Jackson Fox, FMATS Executive Director  
Marie Heidemann, Planning Chief, AKDOT&PF Statewide  
John Lohrey, Transportation Planner, FHWA  
James Marks, Division Operations Manager, DOT&PF  
Randi Bailey, ADOT&PF, Northern Region