

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities
Program Development and Statewide Planning

TO: Ryan Anderson, P.E.
Commissioner

DATE: June 29, 2022

THRU: James Marks, Director ^{DS}
Program Development

TELEPHONE NO: (907) 465-2744

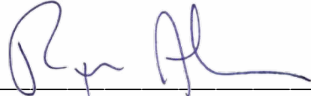
FROM: Maren Brantner ^{DS}
STIP Manager

SUBJECT: Recommend Approval of FAST
2019-2023 TIP Administrative
Modification #6

The Fairbanks Area Surface Transportation Planning (FAST) Planning Policy Board approved the Administrative Modification #6 to the FAST FFY 2019-2023 Transportation Improvement Program (TIP) on June 15, 2022.

We find that FAST FFY 2019-2023 TIP Administrative Modification #6 meets all the requirements of US Code Title 23, Section 134, meets conformity and is fiscally constrained by the allocations made in the 2020-2023 Statewide Transportation Improvement Program (STIP).

Staff recommends approval. Your approval of the FAST FFY 2019-2023 TIP Administrative Modifications #6 is recommended and required as the statutory designee for all state transportation planning matters.

Approved: 
Ryan Anderson, P.E.
Commissioner

Date: 6/30/2022

Attachments: FAST FFY 2019-2023 TIP Admin Mod #6 Transmittal Memo & Email
FAST FFY 2019-2023 TIP Tables

Cc: Randi Bailey, FAST Area Transportation Planner, DOT&PF
Judy Chapman, Planning Chief, Fairbanks Field Office, DOT&PF
Ned Conroy, Community Planner, FTA
Jackson Fox, Executive Director, FAST Planning
James Marks, Division Operations Manager, DOT&PF
Kathryn Wenger, Statewide Programs Team Leader, FHWA

Brantner, Maren H (DOT)

From: Bailey, Randi L (DOT)
Sent: Thursday, June 23, 2022 1:56 PM
To: Brantner, Maren H (DOT)
Cc: Jackson Fox; Chapman, Judy (DOT); Kemp, Joseph (DOT); Carpenter, Margaret (DOT); Lucey, Sara A (DOT); Marks, James T (DOT); Kreis, Courtney E (DOT); Moser, Adam (DOT)
Subject: FAST Planning FFY19-23 TIP Admin Mod #6
Attachments: 06232022_TIP_Admin_Mod_6_Final.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Maren,

On behalf of the Fairbanks Area Surface Transportation (FAST) Planning Policy Board, through Joseph P. Kemp, P.E., Acting Northern Region Director, attached please find the FAST Planning FFY19-23 TIP Administrative Modification #6, Summary of Changes, Transmittal Letter and the Policy Board Action Items 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 and determined that a new conformity analysis/determination would not be required for the proposed changes.

This Admin Mod was primarily developed for the following reasons:

- Provide remaining funds to close out McGrath Road Upgrade
- Provide additional funding for the Final Design phase of 5th Avenue Reconstruction

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

Thank you for your review!

Randi Bailey

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



June 23, 2022

Joe Kemp, P.E., Northern Region Director
Alaska Department of Transportation & Public Facilities
2301 Peger Road
Fairbanks, Alaska 99709

Subject: Transmittal of FAST Planning FFY2019-23 TIP Administrative Modification #6

Dear Mr. Kemp,

Attached for approval and inclusion in the Statewide Transportation Improvement Program (STIP) is the Fairbanks Area Surface Transportation Planning (FAST Planning) FFY2019-23 Transportation Improvement Program (TIP) Administrative Modification #6. The FAST Planning Policy Board approved this document on June 15, 2022.

Once the Commissioner's approval is received, please incorporate TIP Administrative Modification #6 into the STIP as required under 23 U.S.C. 135. Your prompt attention to this task would be greatly appreciated by FAST Planning. If you have any questions or need additional information, please contact me at jackson.fox@fastplanning.us or (907) 590-1618.

Sincerely,

A handwritten signature in blue ink, appearing to read "J. C. Fox", is written over a horizontal line.

Jackson C. Fox
Executive Director

Attachments: FFY2019-23 TIP Administrative Modification #6
Summary of Changes
June 15, 2022 Policy Board Action Items

Copy: Randi Bailey, Alaska DOT&PF Northern Region



FFY2019-23
Transportation Improvement Program
Administrative Modification #6
Approved June 15, 2022

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ADMINISTRATIVE MODIFICATION #6
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INTRODUCTION

This is the Fairbanks Area Surface Transportation (FAST) Planning 2019 – 2023 Transportation Improvement Program (FFY19-23 TIP) Administrative Modification #6. In addition to capturing minor project changes that occurred between February and June 2022, the primary purpose of the Administrative Modification is to: (1) provide the remaining funding needed to close out the McGrath Road Upgrade project constructed in 2020 and (2) project additional funding for the Final Design phase of the 5th Avenue Reconstruction project which is schedule to go out to bid this winter. This Administrative Modification was reviewed at the June 1, 2022 FAST Planning Technical Committee meeting and approved at the June 15, 2022 FAST Planning Policy Board meeting. This document was not released for a 30-day public comment period; however, both meetings were open to the public for the opportunity to provide testimony. The TIP continues to be fiscally constrained, and none of the changes trigger the need for a new air quality conformity determination.

The original FFY19-23 TIP 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:

Road Projects		Score
1.	5 th Avenue Reconstruction	158
2.	Lacey Street Reconstruction	150
3.	Bradway Road Reconstruction	117
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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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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 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 original TIP and Administrative Modifications #1 and #2, Amendment #3, Administrative Modification #4, Amendment #5, and Administrative Modification #6 are fiscally constrained and were 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 USC 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 PM_{2.5} and NO_x precursor emissions associated with implementation of the 2045 MTP for the required analysis years of 2019, 2025, 2035, and

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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 FHWA and 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 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. EPA, 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 was transmitted to FHWA and FTA for their joint approval of the determination. The determination was approved by the FHWA and FTA on June 26, 2019.

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

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- 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 FAST Improvement Program. For travel time reliability, the TIP includes many projects 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

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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.

ADEC adopted a Serious SIP on November 19, 2019, and later adopted amendments to the SIP on November 18, 2020. No Transportation Control Measures (TCMs) were included in the Final SIP; however, FAST Planning is executing projects and programs supportive of the SIP including the following:

- Expanded Availability of Motor Vehicle Plug-ins
- Conversion of the Transit Fleet from Diesel to Compressed Natural Gas
- Adaptive Signal Control and Access Management to Reduce Idling Times
- Highway Message Board Signs to Notify Public of Air Quality Alerts
- Purchase of Equipment to Improve Efficiency of Snow Plow Operations on Non-motorized Facilities

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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
FAST Planning – Fairbanks Area Surface Transportation Planning
FTA – Federal Transit Administration
MAP-21- Moving Ahead for Progress in the 21st 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.

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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. 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 (FAST Planning Appropriation Funds) and FAM (FAST Planning Appropriation Match) – These funds are other FAST Planning 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 FAST Planning TIP. CH5/11/100/8, AR65818.
- **SB160** – A FY13 state fund appropriation of \$7.5 million available to any project in the FAST Planning TIP. CH17/12/132/25, AR58609.
- **SB230** – A FY11 state fund appropriation of \$5 million available to any project in the FAST Planning 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 FAST Planning Coordinator’s office from the City of North Pole.

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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 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

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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:

- **(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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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.

FAST Planning FFY19-23 Transportation Improvement Program (TIP) Administrative Modification #6 - Summary of Changes

Approved June 15, 2022

Project	Description
1	5th Avenue Reconstruction Added \$268.4k STP funding to FFY22 design phase, converted utilities phase to a placeholder, and moved utilities phase funding (\$409.4k STP) to FFY22 construction phase per request from DOT&PF
2	Airport West Bicycle & Pedestrian Facility Added \$125.7k offset funding to FFY22 construction phase to award low bid (Executive Director approved 05.13.2022)
3	College Road Bus Pullouts Added \$17.9k offset funding to FFY22 construction phase based on latest estimate from DOT&PF to put project out to bid (Executive Director approved 04.18.2022)
4	FAST Improvement Program Reduced FFY22 construction phase by \$141.6k STP funding based on latest estimate from DOT&PF to put project out to bid
5	FAST Intersection Improvement Program Added \$92.7k offset funding to FFY22 construction phase for construction overruns, change orders, and CENG (Executive Director approved 05.20.2022)
6	McGrath Road Upgrade Added \$45.7k STP funding to FFY22 construction phase per request from DOT&PF
7	Old Rich Hwy Intersection Improvements Reduced FFY22 construction phase by \$25.1k STP funding based on latest estimate from DOT&PF to put project out to bid
8	Sign Replacement Stage III Added \$90.4k offset funding to FFY22 construction phase for construction overruns, change orders, and CENG (Executive Director approved 04.13.2022)
9	Yankovich/Miller Hill Road Reconstruction Added \$136.4k offset funding to right-of-way phase per request from DOT&PF (Technical Committee approved 05.04.2022)
10	Funding Summary Adjusted FFY22-23 STP Available Funding from \$7.7 to \$8.1 million based on IJIA calculations from DOT&PF
11	Informational Tables Updated information tables to match project details from FNSB Transit and FFY20-23 STIP Administrative Modification #8

FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
32119	NFHWY00445	5th Avenue Reconstruction 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 FAST Planning's "Complete Streets" Policy.	STP	Design	218.8		109.8	268.4			
			TAP		77.3						
			FAF			205.9					
			3PF		29.4		31.3	26.6			
			STP					121.8			
			3PF					12.1			
			STP								2.3
			3PF								0.2
			STP								1,502.2
			TAP								454.9
			3PF					194.3			
Project Total					325.5	0.0	347.1	428.9	2,153.8	0.0	
32279	NFHWY00447	Airport West Bicycle & Pedestrian Facility 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				753.1				
			FAF	Construction				125.7			
			SM				74.8	12.5			
Project Total					330.0	170.0	827.9	138.2	0.0	0.0	
21934	NFHWY00648	Advanced Project Definition 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			
Project Total					100.0	0.0	0.0	100.0	0.0	0.0	
30011	TBD	Barnette Street Reconstruction 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. 50% local match / 50% state match	ILLU/3PF	Design Right-of-Way Utilities Construction						2,250.0 100.0 1,000.0 12,100.0	
Project Total					0.0	0.0	0.0	0.0	0.0	15,450.0	
32278	TBD	Bike Lane Striping & Signing 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 Right-of-Way Utilities Construction						356.0 0.0 10.0 1,733.0	
Project Total					0.0	0.0	0.0	0.0	0.0	2,099.0	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
26078	NFHWHY00280	Chena River Walk Stage III 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 FAM STP CMAQ FAM STP FAM STP FAM	Design Right-of-Way Utilities Construction	277.5 27.5			76.8 127.4 20.3		
Project Total					305.0	0.0	0.0	224.5	2.5	1,737.0
30099	NFHWHY00290	College Road Bus Pullouts Construct new bus stop facilities along College Road. Work includes roadside hardware, drainage improvements, ADA improvements and utilities. <i>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 FAF SM CMAQ STP SM CMAQ FAF SM	Design Right-of-Way Construction	181.9 45.5 22.6	45.5 4.5 229.7 6.8 23.5		600.4 17.9 61.4		
Project Total					250.0	310.0	0.0	679.7	0.0	0.0
22765	NFHWHY00576	Coordinators Office Funding for the FAST Planning Coordinator's office which supports delivery of the FAST Planning's program.	STP PL FAM FAF	Planning	106.1 274.6 37.8 10.0	100.0 304.6 40.2 10.0	100.0 321.2 41.8 10.0	100.0 321.2 41.8 10.0	100.0 321.2 41.8 10.0	0.0
6448	HFWHY00217									
Project Total					428.5	454.8	473.1	473.1	473.1	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond			
30012	NFHWY00126	Cowles Street Reconstruction Reconstruct Cowles Street from 1st Avenue through East Cowles Street. Project work will include roadside hardware, drainage improvements, intersection improvements, ADA improvements and utilities. <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>	STP	Design	136.5	52.6	50.5	341.1					
			FAF		325.7	28.8							
			AC			50.5	341.1						
			ACC				-50.5	-341.1					
			SM		22.9	6.5	16.9						
			3PF		22.9	6.5	16.9						
			STP			227.0							
			AC			227.0							
			ACC		Right-of-Way			-227.0					
			SM				11.3						
			3PF				11.3						
			STP		Utilities					190.4			
			SM							9.5			
3PF						9.5							
STP	Construction								7,227.5				
CMAQ									727.8				
3PF									394.8				
SM									394.8				
Project Total					508.0	394.5	375.0	0.0	209.4	8,745.0			
38471	Z622070000	Cushman Street Bridge Rehabilitation 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	Construction					4,253.4				
			CMAQ						727.8				
			FAF					103.9					
			AC					4,981.2					
			ACC							-4,981.2			
			SM					504.8					
Project Total					0.0	0.0	0.0	5,589.9	0.0	0.0			
31516	NFHWY00425	Fairbanks Road/Rail Crossing Reduction/Realignment Plan The primary purpose of the PLAN is to serve as a long-range road/rail planning document. The PLAN will enable FAST Planning 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								
			FAF		318.4		51.9						
			FAM		13.5		5.1						
			SM		31.6								
			Project Total					500.0	0.0	57.0	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
19096	NFHWY00506 NFHWY00603	FAST Improvement Program Perform gravel or asphalt surface maintenance and preservation activities on roads, sidewalks and pathways. Work may also include new or upgraded illumination, signing and striping, storm drains and intersection improvements including nonmotorized crossings, as well as ADA upgrades to sidewalks and curb ramps. <i>State pays design match and local governments pay construction match, per agreement.</i>	STP	Design		368.4			305.7			
			FAF									
			SM	Utilities		36.6				30.3		
			FAF			21.4						
			SM			2.1						
			AC	Construction	1,731.9							
			ACC			-1,731.9						
			STP			2,563.8				878.8		
			FAF		939.4	159.7	192.4	104.6				
			SM		86.1	15.9						
3PF		186.7	86.6	19.1	97.6							
Project Total					2,944.1	1,522.6	211.5	1,417.0	0.0	0.0		
30229	NFHWY00271 NFHWY00524	FAST Intersection Improvement Program Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FAST Planning boundary.	FAF	Design	341.1							
			SM		33.9							
			STP	Utilities				4.5				
			SM					0.5				
			STP			132.3		268.4				
			FAF	Construction			220.9			92.7		
			3PF			13.1	21.7	26.6		9.2		
Project Total					520.4	242.5	300.0	101.9	0.0	0.0		
TBD	TBD	FAST Safety and Efficiency Program 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.	ILLU	All								
Project Total					0.0	0.0	0.0	0.0	0.0	0.0		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30096 32078	NFHWY00282 NFHWY00454 NFHWY00559	FAST Sidewalk Improvement Program Fund projects that will improve connectivity, safety, mobility and access for pedestrians throughout the MPA. Includes "Growden Area Accessibility Improvements" ATAP project. <i>Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	BANK	Design	255.3						
			SM		25.3						
			TAP		111.0	80.1					
			3PF	11.0	7.9						
			STP	9.1							
			SM	0.9							
			AC	1,074.7	94.7						
			TAP			694.1					
			FAF			146.5	30.0				
			3PF			221.4	23.9	155.2			
			ACC				-1,074.7	-94.7			
			CMAQ				313.8	727.8			
			STP			1,155.5	760.9	112.0			
Project Total					2,864.2	353.2	1,624.5	0.0	0.0	0.0	
16104	Z637840000	Gillam Way Reconstruction 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 Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	STP	Utilities	91.0						
			FAF		268.8						
			SM		17.9						
			3PF		17.9						
			STP		3,623.0	266.0					
			CMAQ		313.9						
			AC		111.3						
			ACC								
			SM		304.0	10.1					
			3PF		304.0	10.1					
FAF	2,077.1	48.0									
Project Total					7,128.8	222.8	0.0	0.0	0.0	0.0	
32798	TBD	Holmes Road Reconstruction Reconstruct Holmes Road from the Badger/Montgomery intersection to Badger/Peede intersection, including consideration of widened shoulders, separated path, sidewalks, or bike lanes. Work includes drainage improvements, roadside hardware, and utilities.	ILLU	Design						1,228.0	
				Right-of-Way						500.0	
				Utilities						100.0	
				Construction						10,213.0	
Project Total					0.0	0.0	0.0	0.0	0.0	12,041.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30029	TBD	Lacey Street Reconstruction Reconstruct Lacey Street from 1st to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping, and landscaping.	ILLU	Design						2,500.0	
				Right-of-Way						700.0	
				Utilities						925.0	
				Construction						10,000.0	
Project Total					0.0	0.0	0.0	0.0	0.0	14,125.0	
30105	TBD	Lathrop Street Extension 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				727.8			
				3PF				72.2			
				STP				467.6			
				3PF				46.4			
Project Total					0.0	135.0	0.0	1,314.0	0.0	0.0	
6587	Z628380000	McGrath Rd Upgrade Upgrade McGrath Road between Farmers Loop and the Old Slessee Highway. Improve the existing separated path as needed.	STP	Utilities	527.6						
				FAF	108.8	136.3					
				SM	63.2	13.5					
				STP			5,127.7				
				AC		4,741.6					
				ACC			-4,741.6				
				SM		385.4	38.3				
Project Total					699.6	5,276.8	424.4	50.2	0.0	0.0	
33138	NFHWY00596	Metropolitan Transportation Plan Update Update FAST Planning Metropolitan Transportation Plan as required under 23 USC 134 (occurs every 4 years).	STP	Planning			149.6				
				FAF			32.3				
				FAM			18.1				
				Project Total					0.0	0.0	200.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
31389	NFHWY00509	Minnie Street Upgrade Reconstruct Minnie Street between Illinois Street and Old Steese Highway. Project will include roadside hardware, drainage improvements, intersection improvements, ADA improvements, and utilities. 50% local match / 50% state match	STP	Design		727.8				1,023.4		
			SM			36.1				50.8		
			3PF			36.1				50.8		
			STP		Right-of-Way							1,364.6
			SM								67.7	
			3PF									67.7
			STP									909.7
			SM		Utilities							45.2
			3PF									45.2
			STP									8,642.2
SM	Construction							428.9				
3PF								428.9				
Project Total					0.0	800.0	0.0	0.0	1,125.0	12,000.0		
24960	TBD	Nelson Road Bicycle & Pedestrian Facility Construct a bicycle and pedestrian facility along Nelson Road by adding shoulders or a separated multiuse path.	ILLU	Design						1,153.0		
Project Total					0.0	0.0	0.0	0.0	0.0	7,992.0		
32398	NFHWY00446	Non-Motorized Plan Update Update FMA/TIS Non-Motorized Plan (2012) to improve conditions for bicyclists and pedestrians with the Metropolitan Planning Area.	STP	Planning	136.5							
			FAF			44.7	15.5					
			FAM			13.5	4.4	1.5				
Project Total					150.0	49.1	17.0	0.0	0.0	0.0		
30106	NFHWY00269	North Pole Streetlight Standardization - Phase I 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. Phase I focuses on the city core. Future project phases include Highway Park, Ford, and Morning Star subdivisions.	BANK	Design	163.7							
			STP						68.2			
			AC				68.2					
			ACC						-68.2			
			3PF			16.3	6.8					
			STP						2.3			
			3PF						0.2			
			STP	Utilities					1,455.5			
			3PF						144.5			
Project Total					180.0	0.0	75.0	1,602.5	0.0	0.0		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
30100	NFHWY00158	Old Richardson Highway Intersection Improvements 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	Utilities	29.8				545.8			
			STP						54.2			
			SM						793.6			
			STP	Construction					78.8			
			SM									
Project Total					330.0	0.0	0.0	1,472.4	0.0	0.0		
32399	NFHWY00463	Road Service Area Expansion Plan Develop plan to expand existing Road Service Areas (RSAs) or create new RSAs to address "orphan roads," including funding to upgrade roads to current standards.	STP		100.0							
			BANK	Planning								
			FAF									
			FAM									
			3PF									
Project Total					150.0	120.0	0.0	0.0	0.0	0.0		
30093	NFHWY00246	Sign Replacement - Stage III Replace signs in accordance with each entity's established sign management plans to meet the requirements of the MUTCD.	STP				257.5	845.7				
			FAF				60.9	90.4				
			AC				845.7					
			ACC						-845.7			
			3PF					115.6	9.0			
Project Total					0.0	0.0	1,279.7	99.4	0.0	0.0		
26087	NFHWY00014	Tanana Loop and South Chandalar Drive Intersections 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	40.8					
			FAM			14.4	4.1					
			STP				2,961.0	207.5				
			CMAQ				184.3					
			AC				207.5					
			ACC									
			FAF					137.5	82.2			
FAM					346.5	8.2						
Project Total					159.0	3,881.6	90.3	0.0	0.0	0.0		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
29969	NFHWY00137	Wembley Avenue Improvements 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						
			FAF		40.9						
			SM		4.1						
			Project Total		40.9	0.0	0.0	0.0	0.0	0.0	0.0
32178	NFHWY00448	Woll Road Resurfacing & Widening Resurface and widen Woll Road from Bradway Road to Ownby Road.	STP	Design	350.2			272.9			
			SM		34.8			27.1			
			STP							2.3	
			SM							0.2	
			STP							181.9	
			SM							18.1	
			STP								2,001.3
			SM								198.7
Project Total	385.0	0.0	0.0	300.0	202.5	2,200.0					
9939	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	Design		236.1					
			AC			236.1					
			ACC				-236.1				
			SM			23.4					
			STP				112.4				
			AC			112.4					
			ACC				-112.4				
			FAF					136.5			
			SM			11.2		13.5			
			STP				454.9				
			SM				45.2				
			STP							4,159.1	
			AC							4,159.1	
ACC						-4,159.1					
SM						412.9					
Project Total	0.0	383.1	0.0	650.0	4,572.0	0.0					

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
Funding (Revenue) Summary										
		Surface Transportation Program	STP		7,528.1	7,716.3	7,716.3	8,087.4	8,087.4	
		Congestion Mitigation/Air Quality Planning	CMAQ PL		727.8	727.8	727.8	727.8	727.8	
		Transportation Alternatives Program	TAP		274.6	304.6	321.2	321.2	321.2	
		Banking from Previous Year	BANK		188.3	80.1	694.1	0.0	0.0	
					555.5	100.0	0.0	0.0	0.0	
					9,274.3	8,928.7	9,459.4	9,136.4	9,136.4	
		<i>This shows the overall match required for the federal funds above.</i>								
		STP Match			747.3	765.9	765.9	802.8	802.8	
		CMAQ Match			72.2	72.2	72.2	72.2	72.2	
		Planning Match			27.3	30.2	31.9	31.9	31.9	
		TAP Match			18.7	7.9	68.9	0.0	0.0	
		Banking Match			55.1	9.9	0.0	0.0	0.0	
					920.6	886.3	938.9	906.9	906.9	
					10,194.8	9,815.0	10,398.3	10,043.4	10,043.4	
Funding (Revenue) Total										
Projected Obligations Summary										
		Fund Code			2019	2020	2021	2022	2023	
Federal Summary										
		Surface Transportation Program	STP		7,528.1	7,716.3	7,716.3	7,863.6	7,258.2	
		Congestion Mitigation/Air Quality Planning	CMAQ PL		727.8	727.8	727.8	727.8	727.8	
		Transportation Alternatives Program	TAP		274.6	304.6	321.2	321.2	321.2	
		Banking from Previous Year	BANK		188.3	80.1	694.1	0.0	454.9	
					555.5	100.0	0.0	0.0	0.0	
					9,274.2	8,928.8	9,459.4	8,912.7	8,762.1	
		Advanced Construction	AC		2,917.9	5,669.8	1,255.1	4,981.2	4,159.1	
		Advance Construction Conversion (Payback)	ACC		-136.4	-2,917.9	-5,669.8	-1,255.1	-4,981.2	
					2,781.5	2,752.0	-4,414.8	3,726.1	-822.1	
					706.8	595.4	130.5	832.2	491.4	
		Local Government Match	3PF		872.7	216.4	371.6	417.9	254.8	
		FAST Planning Match	FAM		115.8	396.9	74.7	71.1	42.0	
					1,695.4	1,208.7	576.8	1,321.2	788.3	
					10,969.6	10,137.5	10,036.2	10,233.9	9,550.3	
Illustrative Summary										
		ILLU			0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	0.0	0.0	0.0	
Appropriation Fund Summary (State & Offset Funds)										
		FAST Planning Appropriation Funds	FAF		4,552.1	1,426.6	681.0	681.7	10.0	
					4,552.1	1,426.6	681.0	681.7	10.0	
		GRAND TOTAL			15,521.7	11,564.1	10,717.1	10,915.6	9,560.3	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
FTA Projects within FAST Planning Boundary										
Need ID		Project Description	Fund Code	Fund Type	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
21018	Urbanized Area Formula Grant - FNSB	Transit operating assistance, and purchase of a bus.	FTA	5307	1,325.3	1,325.3	1,372.7	2,133.1		
22004			Match		1,123.3	331.3	1,157.9	2,133.1		
		Project Total			2,448.7	1,656.7	2,530.6	4,266.2	0.0	
21314	Urbanized Area Formula - ARRC	Associated transit improvements.	FTA	5307	20.0	20.0				
			Match		5.0	5.0				
		Project Total			25.0	25.0	0.0	0.0	0.0	
19634	Urbanized Area Formula - ARRC	Track rehabilitation.	FTA	5307	200.0	250.0	65.0	100.0	240.0	
			Match		50.0	50.0			60.0	
		Project Total			250.0	300.0	65.0	100.0	300.0	
19658	Urbanized Area Formula - ARRC	Preventive maintenance.	FTA	5307	200.0	200.0	200.0	200.0	200.0	
			Match		50.0	50.0	50.0	50.0	50.0	
		Project Total			250.0	250.0	250.0	250.0	250.0	
31091	Urbanized Area Formula - ARRC	Replace and/or upgrade radio system equipment and communication components.	FTA	5307	40.0	115.0				
			Match		10.0					
		Project Total			50.0	115.0	0.0	0.0	0.0	
21314	Transit Security - ARRC	Purchase and install surveillance equipment system-wide, and other security expenses as appropriate.	FTA	5307	40.0	40.0				
			Match		10.0	10.0				
		Project Total			50.0	50.0	0.0	0.0	0.0	
20028	MACS Fleet Transition to CNG	Transition the MACS fleet to Compressed Natural Gas in accordance with MACS Recommended 10-year Bus Replacement Plan 2019-2028.	FTA	5307		1,754.9	1,340.2	1,364.6		
			Match			438.7	335.0	341.2		
		Project Total			0.0	2,193.6	1,675.2	1,705.8	0.0	
19120	Rural Transit - FNSB	Operational funding for the gray line.	ILLU	5311						
			Match							
		Project Total			0.0	0.0	0.0	0.0	0.0	
19635	Urbanized Area Formula - ARRC	Bridge rehabilitation.	FTA	5307		520.0				
			Match			130.0				
		Project Total			0.0	650.0	0.0	0.0	0.0	
33245	Urbanized Area Formula - ARRC	Facility rehabilitation.	FTA	5307		25.0				
			Match							
		Project Total			0.0	25.0	0.0	0.0	0.0	
33243	Urbanized Area Formula - ARRC	Replace or upgrade in-track detector and at-grade signal systems equipment and communication components.	FTA	5307		175.0				
			Match							
		Project Total			0.0	175.0	0.0	0.0	0.0	
19635	State of Good Repair - ARRC	Bridge rehabilitation.	FTA	5337			720.0	360.0	8000.0	
			Match				180.0	90.0	2000.0	
		Project Total			0.0	0.0	900.0	450.0	10000.0	
19658	State of Good Repair - ARRC	Preventive maintenance.	FTA	5337	200.0	200.0	200.0	200.0	200.0	
			Match		50.0	50.0	50.0	50.0	50.0	
		Project Total			250.0	250.0	250.0	250.0	250.0	
19634	State of Good Repair - ARRC	Track rehabilitation.	FTA	5337	200.0	200.0	160.0	160.0	160.0	
			Match		50.0	50.0	40.0	40.0	40.0	
		Project Total			250.0	250.0	200.0	200.0	200.0	

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31091		State of Good Repair - ARRC Replace and/or upgrade radio system equipment and communication components.	FTA	5337	40.0	92.0				
			Match		10.0	23.0				
Project Total					50.0	115.0	0.0	0.0	0.0	0.0
19119		Enhanced Mobility for Seniors & Individuals with Disabilities Funding for VanTran service.	FTA	5310	80.6	81.6				
			Match		20.1	20.4				
Project Total					100.7	102.0	0.0	0.0	0.0	0.0
21028		Transit Administration & Maintenance Facility - Phase II Renovation and expansion of the transit maintenance facility, including utility connection and/or storage of CNG.	FTA	5339		10,403.3				
			Match		2,600.8					
Project Total					0.0	13,004.2	0.0	0.0	0.0	0.0
21038		Van Tran Fleet Transition to CNG Transition the Van Tran fleet to CNG 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		
Project Total					210.0	141.9	143.9	72.9	0.0	0.0
21038		Bus and Bus Facility Allocations - FNSB FFY18, 19, 20 & 21 Section 5339(a) CNG Fueled Bus.	FTA	5339(a)	95.2	99.1	91.3			
			Match		19.0	19.8	18.3			
Project Total					114.2	118.9	109.6	0.0	0.0	0.0
22005		Winter Maintenance Equipment	FTA	5339(a)				87.8		
			Match					22.0		
Project Total					0.0	0.0	0.0	109.8	0.0	0.0
21048		Urbanized Area Formula Grant - FNSB Purchase of a CNG Fueled Bus.	FTA	5307				330.6		
			Match					115.8		
Project Total					0.0	0.0	0.0	446.4	0.0	0.0
22001	22002	Urbanized Area Formula Grant - FNSB Purchase of Gasoline Fueled Paratransit Vans using FFY17/18 funds.	FTA	5307				348.8		
			Match					87.2		
Project Total					0.0	0.0	0.0	436.1	0.0	0.0
27969		Buses and Bus Facility Competitive Grant	ILLU	5339(b)						
			Match							
Project Total					0.0	0.0	0.0	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
NHS Projects within FAST Planning Boundary										
3843	IRIS Z640780000	Project Description / Funding Source Airport Way / Cushman Street Intersection Reconstruction Reconstruct the intersection at Airport Way and Cushman Street.	CMAQ SM CMAQ SM CMAQ SM CMAQ SM	Design Right-of-Way Utilities Construction	1,637.5 162.5 4,275.6 424.4 1,091.6 108.4 10,712.3 1,063.3					
19217	NFWY00245	Airport Way / Steese Expressway Reconstruction Replace existing intersection with displaced left turn intersection at Gaffney Road, Airport Way, Richardson Highway, and Steese Expressway (GARS).	HSP	Design Right-of-Way Utilities Construction	1,800.0 1,100.0 50.0 50.0 11,770.0	0.0	4,700.0	1,200.0	11,775.6	
15685	Z618720000	Airport Way (West) Improvements 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.	NHPP AC ACC SM	Construction	1,100.0 1,187.3 10,729.8 1,182.9	0.0	100.0	11,770.0	10,729.8 -10,729.8	0.0
25598	Z615970000	Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path 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.	NHPP SM	Design	0.0 467.0 33.0	0.0	0.0	13,100.0	0.0	0.0
19217	NFWY00097	Richardson Hwy MP 351 Interchange Replace the existing at grade intersection with an interchange to reduce turning related crashes.	HSP	Design Right-of-Way Utilities Construction	615.0 500.0 700.0 19,150.0	0.0	900.0	500.0	0.0	4,600.0
2130	Z661480000	Richardson Highway MP 353 - 357 Access/Safety Improvements 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.	NHPP AC ACC SM	Construction	1,115.0 3,910.4 13,266.8 1,705.1 18,882.3	0.0	900.0	0.0	19,850.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
28069	Z607340000	Richardson Highway MP 360-361 (MP 359) Railroad Grade Separated Facility Construct grade-separated facility on the Richardson Highway to improve operations and reduce railroad/vehicle conflicts. Work includes new railroad overpass bridges (#2366 and 2367).	NHPP	Design		1,333.8					
			SM			94.2					
			NHPP	Utilities					3638.8		
			SM						361.2		
		Project Total			0.0	1,428.0	0.0	4,000.0	0.0	25,000.0	
22441	Z625410000	Steese Highway and 3rd Street Widening 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.	AC	Construction			13,645.5				
			SM				1,354.5				
30150	NFHWY00020	Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane Conduct a bypass lane and retaining wall at the Steese Highway north bound ramp to Chena Hot Springs Road.	NHPP	Right-of-Way	0.0	0.0	15,000.0	0.0	0.0	0.0	
			SM		136.5						
			NHPP	Construction	13.5	363.9					
			SM		36.1						
		Project Total			150.0	400.0	0.0	0.0	0.0	0.0	
29829	Z607320000	Steese Expressway / Johansen Expressway Interchange 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		2,274.3				
			SM		187.3		225.8				
			NHPP	Right-of-Way				2,729.1			
			SM					270.9			
		Project Total		2,074.0	0.0	2,500.0	3,000.0	0.0	0.0	51,000.0	
3821	Z632130000	University Avenue Widening Widen and reconstruct University Avenue to current standards.	NHPP	Right-of-Way			1,364.6				
			SM			135.5					
			NHPP	Utilities			1,364.6				
			SM			135.5				6,549.8	
								650.2			
29655	Z632130000	University Avenue Rehabilitation: Wolf Run to DNR BLM Access Widen and reconstruct University Avenue to current standards from Thomas Street to the Chena River, including replacement of University Ave Bridge #0263.	NHPP	Construction	0.0	0.0	3,000.0	0.0	0.0	7,200.0	
			AC				14,555.2				
			ACC			29,110.4					
			SM								
		Project Total		0.0	0.0	32,000.0	0.0	0.0	0.0		
29656	Z632130000	University Avenue Rehabilitation: DNR BLM Access to Rewak Drive Widen and reconstruct University Avenue to current standards from the Chena River to the Parks Highway.	NHPP	Construction		9,343.9					
			SFF			8,850.1					
			SM			1,806.0					
		Project Total		0.0	20,000.0	0.0	0.0	0.0	0.0		
33345	Z632130000	University Avenue Segment 2B Airport Way to Mitchell Expressway Phase 1 Construct advanced utility relocations from Airport Way to the Mitchell Expressway. Reconstruct utility improvements on Davis Road. Work will include utilities, intersection improvements, road widening, sidewalks, lighting, and drainage improvements.	NHPP	Construction				9,551.9			
			SM				948.2				
		Project Total		0.0	0.0	0.0	0.0	10,500.0	0.0	0.0	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
Other Major Projects Within FAST Planning Boundary										
26076	NFHWY00124	Project Description Aurora Drive- Noyes Slough Bridge Replace the Noyes Slough bridge on Aurora Drive in Fairbanks	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
			STP	Right-of-Way		354.8				
			SM	Utilities		35.2		272.9		
			SM	Utilities			27.1			
19217	NFHWY00096	Project Total Badger Road Two Way Left Turn Lane 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.			0.0	390.0	0.0	300.0	0.0	4,900.0
27542	NFHWY00289	Project Total Chena Hot Spring Road MP 0-6 Rehabilitate Chena Hot Spring Road.	STP	Design	1,071.6	545.8	0.0	0.0	0.0	0.0
			AC	Design	545.8					
			ACC	Design		-545.8				
			SM	Design	106.4					
			STP	Utilities		227.4				
			SM	Utilities		22.6				
			AC	Construction		5,194.0			8,194.0	5,000.0
			ACC	Construction		13,194.0			-8,194.0	-5,000.0
			SM	Construction	1,806.0					
31656	NFHWY00016	Project Total Chena Pump Road Bike & Pedestrian Facility Rehabilitation 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.			1,723.8	20,444.0	0.0	0.0	0.0	0.0
TBD	TBD	Project Total City of Fairbanks Systematic Signal Upgrades Install overhead signal head for each lane of each approach at 11 intersections around City of Fairbanks. Install retroreflective backplates on all signal heads at 11 additional locations.	CMAQ	Design		1,455.5				
			SM	Construction		144.5				
			HSIP	Right-of-Way	0.0	1,600.0	0.0	0.0	0.0	0.0
19217	Z772770000	Project Total College Road Median Extension 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.			0.0	0.0	300.0	500.0	50.0	6,895.0
31878	NFHWY00424	Project Total Fairbanks North Pole Serious SIP Development of the Fairbanks/North Pole Serious SIP, including development of a mobile source emission budget for the nonattainment area and FAST Planning to ensure the area remains eligible for federal highway funds.	STP	Construction	520.0					
			SM	Planning	93.9	93.9				
					1,040.0	1,040.0	1,040.0	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
33339	TBD	Interior Alaska Area Transportation Plan Update the Interior Alaska Area Transportation Plan.	PL SM	Planning				400.0 100.0		
		Project Total			0.0	0.0	0.0	500.0	0.0	
30369	NFHWHY00155	Northern Region ADA Reconnaissance & Improvements Design and Construct improvements recommended by the Northern Region ADA Reconnaissance Study.	STP SM	All	136.5 13.5	318.4 31.6	2,274.3 225.8	2,001.3 198.7	1,592.0 158.0	
		Project Total			150.0	350.0	2,500.0	2,200.0	1,750.0	4,500.0
19217-4	Z6334670000	Steeze Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts Construct roundabouts at the interchange ramp termini for the Steeze Highway at Chena Hot Springs Road.	HSIP HSIP	Utilities Construction		150.0 5,000.0				
		Project Total			0.0	5,150.0	0.0	0.0	0.0	909.7
26082	Z624870000	Old Steeze Highway Reconstruction Reconstruct the Old Steeze Highway from Wendell Avenue Bridge to, and including, the intersection at the Johansen Expressway.	STP SM	Design					90.3	
		Project Total			0.0	0.0	0.0	0.0	1,000.0	20,000.0
18923	Varies	Pavement and Bridge Preservation (DOT&PF Preventative Maintenance Program) Crack sealing, surface treatment drainage, signage, guardrail, illumination, and other refurbishments to prolong the life of road pavement and bridges and their safety related structures. Project includes NHS Lane Delineators, Destination & Distance Signing, Pavement Markings and Signalization, Abandoned Vehicle Program, Road Surfacing and Transfer, Road Surface Treatments, and improve curb ramps to meet ADA standards. Project also includes preservation planning and reconnaissance activities. The scope does not include landscaping or other elements inconsistent with a pavement preservation focus.	NHPP STP SM	All		16,829.5 27,291.0 4,379.6	24,561.9 27,291.0 5,147.1	24,561.9 27,291.0 5,147.1	24,561.9 27,291.0 5,147.1	
		Project Total			0.0	48,500.0	57,000.0	57,000.0	57,000.0	114,000.0
6359	Z6332910000	Wendell Avenue Bridge Replacement Replace the Wendell Avenue Bridge and rehabilitate Wendell Avenue/Old Steeze 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.	SFF SM SFF SM	Utilities Construction		91.0 9.0 17,698.4 1,756.8				
		Project Total			0.0	19,555.2	0.0	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code		Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
			Fund Code	Phase							
CMAQ PROJECTS											
Need ID	IRIS	Project Description / Funding Source	Phase	Fund Code		FFY19	FFY20	FFY21	FFY22	FFY23	
27010	Z617630000	Northern Region Signal Interconnect 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 CMAQ	Construction		-605.5 4,548.5	4,623.5	4,548.5	4,473.5	4,548.5	
			SM			451.5	451.5	451.5	451.5	451.5	
		Project Total				4,394.5	5,075.0	5,000.0	4,925.0	5,000.0	5,000.0
26161	Z605660000	Fairbanks Air Quality Planning Project The goal of this project is to update the local transportation model and EPA mobile source emissions model. Fairbanks is a newly designated PM _{2.5} 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 SM	All		72.8 7.2	72.8	72.8	72.8	72.8	
		Project Total				80.0	80.0	80.0	80.0	80.0	160.0
29232	NFHWHY00141 NFWHY00142 NFWHY00407	Committed Measures for the Fairbanks SIP Funding for transportation projects and programs that are committed and contingency measures listed in the State Implementation Plan (SIP) for the Fairbanks PM2.5 Non-attainment Area, and non-SIP projects that are evaluated and scored by the Fairbanks area CMAQ Project Evaluation Board.	CMAQ SM	All		1,728.4 171.6	1,728.4	1,728.4	1,728.4	1,728.4	
		Project Total				1,900.0	1,900.0	1,900.0	1,900.0	1,900.0	3,800.0
22003	TBD	FNSB Transportation CNG Fueling Infrastructure Additional funding for the design and construction of the CNG fueling infrastructure to service CNG transit buses and paratransit vans.	SW-CMAQ SM	All					636.8 63.2		
		Project Total				0.0	0.0	0.0	700.0	0.0	0.0
18791	Z633860000 Z607090000 Z607110000	Statewide Congestion and Mitigation Air Quality 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 SM	All		3,211.2	3,211.2	3,211.2	3,211.2	3,211.2	
		Project Total				3,530.0	3,530.0	3,530.0	3,530.0	3,530.0	7,060.0

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