

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities
Program Development and Statewide Planning

TO: John MacKinnon
Commissioner

DATE: June 28, 2021

THRU: Benjamin White, Director 
Program Development

TELEPHONE NO: (907) 465-2744

FROM: Maren Brantner 
STIP Manager

SUBJECT: Recommend Approval of FAST
2019-2023 TIP Administrative
Modification #4

The Fairbanks Area Surface Transportation Planning (FAST) Planning Policy Board approved the Administrative Modification #4 to the FAST FFY 2019-2023 Transportation Improvement Program (TIP) on June 16, 2021.

We find that FAST FFY 2019-2023 TIP Administrative Modification #4 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 #4 is recommended and required as the statutory designee for all state transportation planning matters.

Approved: _____


John MacKinnon
Commissioner

Date: _____

6.29.21

Attachments: FAST FFY 2019-2023 TIP Admin Mod #4 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
Julie Jenkins, Acting Statewide Programs Team Leader, FHWA
James Marks, Division Operations Manager, DOT&PF



June 16, 2021

Ryan Anderson, 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 #4

Dear Mr. Anderson,

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 #4. The FAST Planning Policy Board approved this document on June 16, 2021.

Once the Commissioner's approval is received, please incorporate TIP Administrative Modification #4 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,

Jackson C. Fox
Executive Director

Attachments: FFY2019-23 TIP Administrative Modification #4
Summary of Changes
June 16, 2021 Policy Board Action Items

Copy: Randi Bailey, Alaska DOT&PF Northern Region



FFY2019-23
Transportation Improvement Program
Administrative Modification #4
Approved June 16, 2021

FFY2019-23 TRANSPORTATION IMPROVEMENT PROGRAM
ADMINISTRATIVE MODIFICATION #4
Approved June 16, 2021

INTRODUCTION

This is the Fairbanks Area Surface Transportation (FAST) Planning 2019 – 2023 Transportation Improvement Program (FFY19-23 TIP) Administrative Modification #4. This Administrative Modification was developed primarily to document minor project changes that occurred between August 2020 and June 2021, including new project numbers and need IDs, documentation of approved use of offset funding for various project phases, and updated project phase schedules and cost estimates. This Administrative Modification was reviewed at the June 2, 2021 FAST Planning Technical Committee meeting and approved at the June 16, 2021 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
4.	Peridot Street Rehabilitation	107
5.	Woll Road Resurfacing & Widening	101
6.	Roland Road Improvements	100
7.	Nelson Road Widening	90

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

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, and Administrative Modification #4 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 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 2045 have been estimated and found to be below the applicable motor vehicle emission budgets established under the Moderate State Implementation Plan.

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- 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 be 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
- Congestion Mitigation & Air Quality (CMAQ)

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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 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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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.

PL – These funds are designated for the mandatory planning tasks the department undertakes, including preparation of the Statewide Transportation Plan (SWTP) and State Transportation

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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 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.

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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.

For more information, please contact:

Jackson Fox, Executive Director

Fairbanks Area Surface Transportation Planning

100 Cushman Street, Suite 205

Fairbanks, AK 99701

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**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			
			TAP		77.3					
			FAF			205.9				
			3PF		29.4		31.3			
			STP	Right-of-Way				121.8		
			3PF				12.1			
			STP	Utilities					409.4	
			3PF					40.6		
			STP	Construction						1,092.8
			TAP							454.9
3PF							153.6			
Project Total					325.5	0.0	347.1	133.9	2,151.3	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	Construction				1,010.7		
			SM				100.3			
Project Total					330.0	170.0	1,111.0	0.0	0.0	0.0
21934	NFHWY00395	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. <i>50% local match / 50% state match</i>	ILLU/3PF	Design						2,250.0
				Right-of-Way						100.0
				Utilities						1,000.0
				Construction						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						356.0
				Right-of-Way						0.0
				Utilities						10.0
				Construction						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	NFHWY00280	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	Design	277.5						
			FAM		27.5						
			CMAQ	Right-of-Way					2.3		
			FAM						0.2		
			CMAQ	Utilities					2.3		
			FAM						0.2		
			STP	Construction					1,459.6		
			CMAQ						120.6		
FAM						156.9					
Project Total					305.0	0.0	0.0	1,742.0	0.0	0.0	
30099	NFHWY00290	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	Design	181.9						
			FAF		45.5	45.5					
			SM		22.6	4.5					
			CMAQ	Right-of-Way			229.7				
			STP				6.8				
			SM				23.5				
			CMAQ	Utilities					2.3		
			SM						0.2		
CMAQ	Construction					600.4					
SM						59.6					
Project Total					250.0	310.0	0.0	662.5	0.0	0.0	
22765	NFHWY00576	Coordinators Office Funding for the FAST Planning Coordinator's office which supports delivery of the FAST Planning's program.	STP	Planning	106.1	100.0	100.0	100.0	100.0		
			PL		274.6	304.6	321.2	321.2	321.2		
			FAM		37.8	40.2	41.8	41.8	41.8		
			FAF		10.0	10.0	10.0	10.0	10.0		
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 <small>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.</small>	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	Right-of-Way				227.0			
			AC			227.0					
			ACC				-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 <small>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.</small>	STP	Design				2.3			
			SM					0.2			
			STP	Construction						4,093.6	
			CMAQ						727.8		
			AC					4,821.4			
			ACC							-4,821.4	
			SM					478.6			
Project Total					0.0	0.0	0.0	5,302.5	0.0	0.0	
31516	NFHWY00425	Fairbanks Road/Rail Crossing Reduction/Realignment Plan <small>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.</small>	BANK	Planning	136.5						
			FAF		318.4		47.6				
			FAM		13.5		4.7				
			SM		31.6						
Project Total					500.0	0.0	52.3	0.0	0.0	0.0	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
19096 32818	NFHWY00434 NFHWY00506 NFHWY00603	FAST Improvement Program 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				305.7			
			FAF			368.4					
			SM			36.6		30.3			
			FAF	Utilities			21.4				
			SM			2.1					
			AC	Construction		1,731.9					
			ACC			-1,731.9					
			STP				2,563.8		1,012.1		
			FAF			939.4	159.7	152.3			
			SM			86.1	15.9				
			3PF			186.7	86.6	15.1	100.5		
Project Total					2,944.1	1,522.6	167.5	1,448.6	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	Construction	132.3		268.4				
			FAF			220.9					
			3PF		13.1	21.7	26.6				
Project Total					520.4	242.5	300.0	0.0	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	Utilities	9.1						
			SM		0.9						
			AC	Construction	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</i> <i>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	Construction	3,623.0	266.0					
			CMAQ		313.9						
			AC		111.3						
			ACC			-111.3					
			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, seperated 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										12,041.0	
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	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
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	Utilities					727.8			
			3PF					72.2				
			STP	Construction						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 Steese Highway. Improve the existing separated path as needed.	STP	Utilities	527.6							
			FAF		108.8	136.3						
			SM		63.2	13.5						
			STP	Construction					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	0.0	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			
			FAM						14.8			
Project Total					0.0	0.0	164.4	0.0	0.0	0.0		
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	Utilities								909.7
			SM								45.2	
			3PF								45.2	
			STP	Construction								8,642.2
			SM								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 seperated multiuse path.	ILLU	Design						1,153.0		
				Right-of-Way						150.0		
				Utilities						770.0		
				Construction						5,919.0		
Project Total					0.0	0.0	0.0	0.0	0.0	7,992.0		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
32398	NFHWY00446	Non-Motorized Plan Update Update FMATS Non-Motorized Plan (2012) to improve conditions for bicyclists and pedestrians with the Metropolitan Planning Area.	STP	Planning	136.5					
			FAF			44.7				
			FAM		13.5	4.4				
Project Total					150.0	49.1	0.0	0.0	0.0	0.0
30106	NFHWY00269	North Pole Streetlight Standardization 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				2.3		
			3PF					0.2		
			STP	Utilities					91.0	
			3PF						9.0	
			STP	Construction						1,169.9
3PF							116.1			
Project Total					180.0	0.0	0.0	102.5	1,286.0	0.0
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		29.8					
			STP	Right-of-Way				2.3		
			SM					0.2		
			STP	Utilities					272.9	
			SM						27.1	
			STP	Construction						818.7
SM							81.3			
Project Total					330.0	0.0	0.0	1,202.5	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	Planning	100.0					
			BANK			100.0				
			FAF			18.2				
			FAM			1.8				
			3PF		50.0					
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	Construction				1,164.2		
			AC			1,164.2				
			ACC					-1,164.2		
			3PF			115.6				
Project Total					0.0	0.0	1,279.7	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
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	Construction		2,961.0	207.5				
			CMAQ			184.3					
			AC			207.5					
			ACC				-207.5				
			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	
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	
32178	NFHWY00448	Woll Road Resurfacing & Widening 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	
Project Total					385.0	0.0	0.0	252.5	0.0	2,470.2	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
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	Right-of-Way			112.4			
			AC			112.4				
			ACC			-112.4				
			SM			11.2				
			STP	Utilities				454.9		
			SM					45.2		
			STP	Construction						4,159.1
			AC						4,159.1	
			ACC							-4,159.1
			SM						412.9	
Project Total					0.0	383.1	0.0	500.0	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	7,716.3	7,716.3	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning	PL		274.6	304.6	321.2	321.2	321.2	
		Transportation Alternatives Program	TAP		188.3	80.1	694.1	0.0	0.0	
		Banking from Previous Year	BANK		555.5	100.0	0.0	0.0	0.0	
					9,274.3	8,928.7	9,459.4	8,765.3	8,765.3	
		<i>This shows the overall match required for the federal funds above.</i>								
		STP Match			747.3	765.9	765.9	765.9	765.9	
		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	870.1	870.1	
					10,194.8	9,815.0	10,398.3	9,635.4	9,635.4	
Funding (Revenue) Total										
Projected Obligations Summary										
Fund Code Description	Fund Code				2019	2020	2021	2022	2023	
Federal Summary										
		Surface Transportation Program	STP		7,528.1	7,716.3	7,716.3	7,664.9	8,079.5	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning	PL		274.6	304.6	321.2	321.2	321.2	
		Transportation Alternatives Program	TAP		188.3	80.1	694.1	0.0	454.9	
		Banking from Previous Year	BANK		555.5	100.0	0.0	0.0	0.0	
				<i>Federal Subtotal</i>	9,274.2	8,928.8	9,459.4	8,713.9	9,583.4	
		Advanced Construction	AC		2,917.9	5,669.8	1,505.3	4,821.4	4,159.1	
		Advance Construction Conversion (Payback)	ACC		-136.4	-2,917.9	-5,669.8	-1,505.3	-4,821.4	
				<i>AC/ACC Subtotal</i>	2,781.5	2,752.0	-4,164.5	3,316.1	-662.3	
Federal Match Summary										
		State Match	SM		706.8	595.4	156.0	745.5	473.1	
		Local Government Match	3PF		872.7	216.4	360.8	240.4	370.7	
		FAST Planning Match	FAM		115.8	396.9	69.5	208.2	41.8	
				<i>Match Subtotal</i>	1,695.4	1,208.7	586.4	1,194.1	885.6	
					10,969.6	10,137.5	10,045.8	9,908.0	10,469.0	
Illustrative Summary										
		Illustrative (Funding Placeholder)	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	528.0	10.0	10.0	
				<i>TOTAL</i>	4,552.1	1,426.6	528.0	10.0	10.0	
				GRAND TOTAL	15,521.7	11,564.1	10,573.8	9,918.0	10,479.0	

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

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4, Approved 06.16.2021**

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		FTA	5307	1,325.3	1,325.3	1,372.7	1,042.1		
	Transit operating assistance, and purchase of a bus.		Match		1,123.3	331.3	1,157.9	1,042.1		
	Project Total				2,448.7	1,656.7	2,530.6	2,084.2	0.0	
21314	Urbanized Area Formula - ARRC		FTA	5307	20.0	20.0				
	Associated transit improvements.		Match		5.0	5.0				
	Project Total				25.0	25.0	0.0	0.0	0.0	
19634	Urbanized Area Formula - ARRC		FTA	5307	200.0	915.0				
	Track rehabilitation.		Match		50.0	50.0				
	Project Total				250.0	965.0	0.0	0.0	0.0	
19658	Urbanized Area Formula - ARRC		FTA	5307	200.0	200.0	200.0	200.0	200.0	
	Preventive maintenance.		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		FTA	5307	40.0	92.0				
	Replace and/or upgrade radio system equipment and communication components.		Match		10.0	23.0				
	Project Total				50.0	115.0	0.0	0.0	0.0	
21314	Transit Security - ARRC		FTA	5307	40.0	40.0				
	Purchase and install surveillance equipment system-wide, and other security expenses as appropriate.		Match		10.0	10.0				
	Project Total				50.0	50.0	0.0	0.0	0.0	
20028	MACS Fleet Transition to CNG		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			
	Project Total				0.0	2,193.6	1,675.2	1,705.8	0.0	
19120	Rural Transit - FNSB		ILLU	5311						
	Operational funding for the gray line.		Match							
	Project Total				0.0	0.0	0.0	0.0	0.0	
19635	State of Good Repair - ARRC		FTA	5307		250.0				
	Bridge rehabilitation.		Match							
	Project Total				0.0	250.0	0.0	0.0	0.0	
33245	State of Good Repair - ARRC		FTA	5307		25.0				
	Facility rehabilitation.		Match							
	Project Total				0.0	25.0	0.0	0.0	0.0	
19635	State of Good Repair - ARRC		FTA	5337			720.0	6040.0	840.0	
	Bridge rehabilitation.		Match				180.0	1510.0	210.0	
	Project Total				0.0	0.0	900.0	7550.0	1050.0	
19658	State of Good Repair - ARRC		FTA	5337	200.0	200.0	200.0	200.0	200.0	
	Preventive maintenance.		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		FTA	5337	200.0	200.0	160.0	160.0		
	Track rehabilitation.		Match		50.0	50.0	40.0	40.0		
	Project Total				250.0	250.0	200.0	200.0	0.0	
31091	State of Good Repair - ARRC		FTA	5337	40.0	92.0				
	Replace and/or upgrade radio system equipment and communication components.		Match		10.0	23.0				
	Project Total				50.0	115.0	0.0	0.0	0.0	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
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	
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	
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	
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	
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	
27969		Buses and Bus Facility Competitive Grant	ILLU	5339(b)						
			Match							
Project Total					0.0	0.0	0.0	0.0	0.0	
NHS Projects within FAST Planning Boundary										
Need ID	IRIS	Project Description / Funding Source	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
3843	Z640780000	Airport Way / Cushman Street Intersection Reconstruction Reconstruct the intersection at Airport Way and Cushman Street.	CMAQ	Design	1,637.5					
			SM		162.5					
			CMAQ	Right-of-Way			4,275.6			
			SM				424.4			
			CMAQ	Utilities				1,091.6		
			SM					108.4		
			CMAQ	Construction						10,712.3
SM							1,063.3			
Project Total					1,800.0	0.0	4,700.0	1,200.0	11,775.6	
19217	NFHWY00245	Airport Way / Steese Expressway Reconstruction Replace existing intersection with displaced left turn intersection at Gaffney Road, Airport Way, Richardson Highway, and Steese Expressway (GARS).	HSIP	Design	1,100.0					
				Right-of-Way			50.0			
				Utilities			50.0			
				Construction				11,770.0		
Project Total					1,100.0	0.0	100.0	11,770.0	0.0	
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	Construction				1,187.3	9,729.1	
			AC					9,729.1		
			ACC						-9,729.1	
			SM					1,083.6		
Project Total					0.0	0.0	0.0	12,000.0	0.0	

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
25598	Z615970000	Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path	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.								
Project Total					0.0	0.0	0.0	0.0	0.0	4,600.0
19217	NFHWY00097	Richardson Hwy MP 351 Interchange	HSIP	Design	615.0					
		Replace the existing at grade intersection with an interchange to reduce turning related crashes.		Right-of-Way	500.0		900.0			
				Utilities					700.0	
				Construction						19,150.0
Project Total					1,115.0	0.0	900.0	0.0	19,850.0	
2130	Z661480000	Richardson Highway MP 353 - 357 Access/Safety Improvements	NHPP	Construction	3,910.4	13,266.8				
		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.	AC		13,266.8					
			ACC			-13,266.8				
			SM		1,705.1					
Project Total					18,882.3	0.0	0.0	0.0	0.0	
28069	Z607340000	Richardson Highway MP 360-361 (MP 359) Railroad Grade Separated Facility	NHPP	Design		1,333.8				
		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).	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	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			
Project Total					0.0	0.0	15,000.0	0.0	0.0	
30150	NFHWY00020	Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane	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			363.9			
			SM				36.1			
Project Total					150.0	400.0	0.0	0.0	0.0	
29829	Z607320000	Steese Expressway / Johansen Expressway Interchange	NHPP	Design	1,886.7		2,274.3			
		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.	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	51,000.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
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				
			AC	Construction						11,826.1	
			SM						1,173.9		
Project Total					0.0	0.0	3,000.0	0.0	13,000.0	11,826.1	
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				14,555.2	14,555.2		
			AC				29,110.4				
			ACC					-14,555.2	-14,555.2		
			SM			2,889.6					
Project Total					0.0	0.0	32,000.0	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
Other Major Projects Within FAST Planning Boundary											
Need ID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
26076	NFHWY00124	Aurora Drive- Noyes Slough Bridge 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				
			Project Total					0.0	390.0	0.0	300.0
19217	NFHWY00096	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.	HSIP	Design	500.0						
				Utilities	150.0						
				Construction	19,130.0						
				Project Total					19,780.0	0.0	0.0
27542	NFHWY00289	Chena Hot Spring Road MP 0-6 Rehabilitate Chena Hot Spring Road.	STP	Design	1,071.6	545.8					
			AC		545.8						
			ACC			-545.8					
			SM	106.4							
			STP	Utilities		227.4					
			SM			22.6					
			STP	Construction		5,194.0		8,194.0	5,000.0		
			AC			13,194.0					
			ACC					-8,194.0	-5,000.0		
			SM		1,806.0						
Project Total					1,723.8	20,444.0	0.0	0.0	0.0		
31656	NFHWY00016	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.	CMAQ	Construction		1,455.5					
			SM			144.5					
			Project Total					0.0	1,600.0	0.0	0.0

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**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
TBD	TBD	City of Fairbanks Systematic Signal Upgrades	HSIP	Design			300.0	500.0		
		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.		Right-of-Way					50.0	
Project Total					0.0	0.0	300.0	500.0	50.0	6,895.0
19217	Z772770000	College Road Median Extension	HSIP	Construction	520.0					
		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.								
Project Total					520.0	0.0	0.0	0.0	0.0	0.0
31878	NFHWY00424	Fairbanks North Pole Serious SIP	STP	Planning	946.1	946.1	946.1			
		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.	SM		93.9	93.9	93.9			
Project Total					1,040.0	1,040.0	1,040.0	0.0	0.0	0.0
30369	NFHWY00155	Northern Region ADA Reconnaissance & Improvements	STP	All	136.5	318.4	2,137.8	1,910.4	1,592.0	
		Design and Construct improvements recommended by the Northern Region ADA Reconnaissance Study.	SM		13.5	31.6	212.2	189.6	158.0	
Project Total					150.0	350.0	2,350.0	2,100.0	1,750.0	34,000.0
19217-4	Z634670000	Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts	HSIP	Utilities		150.0				
		Construct roundabouts at the interchange ramp termini for the Steese Highway at Chena Hot Springs Road.	HSIP	Construction		5,000.0				
Project Total					0.0	5,150.0	0.0	0.0	0.0	0.0
26082	Z624870000	Old Steese Highway Reconstruction	STP	Design				909.7		
		Reconstruct the Old Steese Highway from Wendell Avenue Bridge to, and including, the intersection at the Johansen Expressway.	SM					90.3		
Project Total					0.0	0.0	0.0	1,000.0	0.0	20,000.0
6359	Z632910000	Wendell Avenue Bridge Replacement 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.	SFF	Utilities		91.0				
			SM			9.0				
			SFF	Construction		17,698.4				
			SM			1,756.8				
Project Total					0.0	19,555.2	0.0	0.0	0.0	0.0
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	Construction	-605.5					
			CMAQ		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

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
26161	Z605660000	Fairbanks Air Quality Planning Project	CMAQ	All	72.8	72.8	72.8	72.8	72.8	
		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.	SM		7.2	7.2	7.2	7.2	7.2	
Project Total					80.0	80.0	80.0	80.0	80.0	160.0
29232	NFHWY00141 NFHWY00142 NFHWY00407	Committed Measures for the Fairbanks SIP	CMAQ	All	1,728.4	1,728.4	1,728.4	1,728.4	1,728.4	
		Funding for transportation projects and programs that are committed and contingency measures listed in the State Implementation Plan (SIP) for the Fairbanks PM _{2.5} Non-attainment Area, and non-SIP projects that are evaluated and scored by the Fairbanks area CMAQ Project Evaluation Board.	SM		171.6	171.6	171.6	171.6	171.6	
Project Total					1,900.0	1,900.0	1,900.0	1,900.0	1,900.0	3,800.0
18791	Z633860000 Z607090000 Z607110000	Statewide Congestion and Mitigation Air Quality	CMAQ	All	3,211.2	3,211.2	3,211.2	3,211.2	3,211.2	
		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]	SM		318.8	318.8	318.8	318.8	318.8	
Project Total					3,530.0	3,530.0	3,530.0	3,530.0	3,530.0	7,060.0

FAST Planning FFY19-23 Transportation Improvement Program (TIP) Administrative Modification #4 - Summary of Changes

Approved June 16, 2021

Project	Description
1 5th Avenue Reconstruction	Added \$205.9k offset funding to FFY21 design phase (Policy Board approved 12.16.2020); moved right-of-way phase from FFY21 to FFY22 and added \$104k STP funding per request from DOT&PF; moved utilities phase from FFY22 to FFY23
2 Airport West Bicycle & Pedestrian Facility	Reduced construction phase funding from \$1.6 to \$1.111 million per latest estimate from DOT&PF, including removal of AC funding; removed utilities phase placeholder
3 Coordinators Office	Adjusted PL funding amount to match FFY21 PL distribution amount to FAST Planning for current and future years; updated project number
4 Cowles Street Reconstruction	Increased construction phase funding from \$6.435 to \$8.745 million per latest estimate from DOT&PF; (project may be phased in next TIP if Earmark is not secured in Transportation Reauthorization Bill); added \$375k AC (STP) funding to design phase per request from DOT&PF and City of Fairbanks
5 Cushman Street Bridge Rehabilitation	Moved design phase placeholder from FFY21 to FFY22
6 Fairbanks Road/Rail Crossing Reduction Plan	Added \$47.6 offset funding to planning phase for consultant contract amendment
7 FAST Improvement Program	Added \$152.3k offset funding to FFY21 construction phase for FFY20 construction overruns, change orders, and CENG (Executive Director approved \$95.2k on 09.14.2020 and \$57.2k on 11.17.2020); deleted old project number and added FFY22 construction project number
8 FAST Intersection Improvement Program	Added \$7.0k offset funding to FFY21 construction phase for FFY20 construction overruns and change orders (Executive Director approved 09.14.2020); deleted old project number and added FFY21 construction project number
9 FAST Sidewalk Improvement Program	Added \$30.0k offset funding to FFY21 construction phase for increase to bid amount (Executive Director approved 05.14.2021); added FFY21 construction project numbers
10 McGrath Road Upgrade	Added \$386.1 STP funding to FFY21 construction phase for FFY20 construction overruns and change orders (Policy Board approved 09.16.2020)
11 Metropolitan Transportation Plan Update	Added \$13.1 STP funding to planning phase to supplement DOT oversight costs; added Need ID and project number
12 Non-motorized Plan Update	Added \$11.0 offset funding to planning phase for consultant contract amendment
13 North Pole Streetlight Standardization	Moved right-of-way phase placeholder from FFY21 to FFY22
14 Old Rich Hwy Intersection Improvements	Moved right-of-way phase placeholder from FFY21 to FFY22; added \$270.4k STP funding to utilities phase per request from DOT&PF
15 Sign Replacement Stage III	Removed design phase placeholder; reduced construction phase funding from \$1.6 to \$1.28 million based on bid amount
16 Tanana Loop & South Chandalar Intersections	Added \$82.2k offset funding to FFY21 construction phase for FFY20 construction overruns and change orders (Technical Committee approved 01.06.2021)
17 Woll Road Resurfacing	Moved final design phase funding from FFY21 to FFY22
18 Funding Summary	Adjusted PL funding allocation to match FFY21 PL distribution amount for current and future years
19 Informational Tables	Updated information tables to match project details from FNSB Transit, ARRC, and FFY20-23 STIP Amendment #2



**Policy Board
Action Items
June 16, 2021**

Motion: To approve Transportation Improvement Program (TIP) Administrative Modification #4. (Ward/Welch). None opposed. Approved.

Ryan Anderson, P.E.
Chair, Policy Board

6/16/2021

Date