

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities Division of Program Development and Statewide Planning

TO: John MacKinnon
Commissioner

DATE: April 24, 2020

THRU Ben White, Director *BW*
Program Development

PHONE NO: (907) 465-2744

FAX NO: (907) 465-6984

FROM: Maren Brantner *MAB*
STIP Manager

SUBJECT: Recommend Approval of FAST
2019-2023 TIP Admin Mod 2
Memo Correction

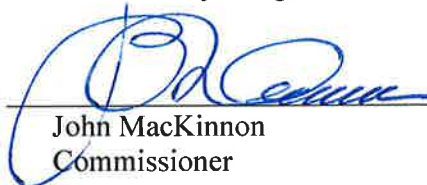
Enclosed for your review and approval is Administrative Modification 2 to the Fairbanks Area Surface Transportation (FAST) Planning 2019-2023 Transportation Improvement Program (TIP). The FAST Policy Board approved Administrative Modification 2 to the FAST 2019-2023 TIP on April 15, 2020.

In accordance with the agreement between FAST and the Alaska Department of Transportation and Public Facilities (DOT&PF), the Fairbanks metropolitan planning organization (MPO) coordinator and FAST Policy Board has determined Administrative Modification 2 to the FAST 2019-2023 TIP has met all the requirements of US Code Title 23, Section 134 and is fiscally constrained by the allocations made in the 2018-2021 Statewide Transportation Improvement Program (STIP). These changes are exempt from conformity and a conformity determination is not required per 40 CFR 93.104(c).

As part of the approval, we note that FAST Planning has programmed Advanced Construction funding (AC) into their TIP. The approval of this TIP does not constitute approval for the use of AC. The use of AC must be coordinated with the federal-aid section to determine available AC authority is in place.

Your approval of Administrative Modification 2 to the FAST 2019-2023 TIP is recommended and required as the statutory designee for all state transportation planning matters.

Approved: _____


John MacKinnon
Commissioner

Date: 4-29-2020

Attachments: FAST FFY 2019-2023 TIP Admin Mod 2 Transmittal Memo & PC Memo
FAST FFY 2019-2023 TIP Tables

Cc: Randi Bailey, Transportation Planner, DOT&PF, Fairbanks Field Office
Judy Chapman, Planning Chief, DOT&PF, Fairbanks Field Office
Ned Conroy, Community Planner, FTA
Jackson Fox, Executive Director, FAST
Marie Heidemann, Statewide Planning Chief, DOT&PF
John Lohrey, Transportation Planner, FHWA
James Marks, Division Operations Manager, DOT&PF



April 16, 2020

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 #2

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 #2. The FAST Planning Policy Board approved this document on April 15, 2020.

Once the Commissioner's approval is received, please incorporate TIP Administrative Modification #2 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 #2
Summary of Changes
April 15, 2020 Policy Board Action Items

Copy: Randi Bailey, Alaska DOT&PF Northern Region



FFY2019-23
Transportation Improvement Program
Administrative Modification #2

Approved April 15, 2020

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INTRODUCTION

This is the Fairbanks Area Surface Transportation (FAST Planning) 2019 – 2023 Transportation Improvement Program (FFY19-23 TIP) Administrative Modification #2. This Administrative Modification was developed primarily to document minor project changes that occurred between November 2019 and April 2020, including new project numbers and need IDs, one minor scope revision, 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 March 4, 2020 FAST Planning Technical Committee meeting and approved at the April 15, 2020 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
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7.	Nelson Road Widening	90

Non-motorized Projects		
1.	City Bike Lane Striping & Signing	123
2.	Airport West Bicycle & Pedestrian Facility	121
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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 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 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 Federal Highway Administration (FHWA) and Federal Transportation Administration (FTA) reviewed the Air Quality Conformity Analysis and approved the conformity determination on January 30, 2019. Since the FFY19-23 TIP was based on the projects and timelines listed in the 2045 MTP, 40 CFR 93.122(g) permits reliance on the regional emissions analysis from the MTP. Every project in the FFY19-23 TIP was included in the 2045 MTP and associated Air Quality Conformity Analysis, with the exception of one project – Woll Road Resurfacing & Widening. This project proposes to resurface the existing roadway and widen shoulders to better accommodate bicyclists, pedestrians, and move mailboxes further away from the travel lanes, and is exempt from the requirement to determine conformity in accordance with 40 CFR 93.126 – Pavement Resurfacing and/or Rehabilitation; Widening Narrow Pavements; Shoulder Improvements; and Projects that Correct, Improve, or Eliminate a Hazardous Feature. Based on this analysis, FAST Planning finds the FFY19-23 TIP meets air quality conformity requirements.

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

Performance Measures

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

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

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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 project that improve connectivity to provide alternate routes, widened shoulders to accommodate space for vehicles should a traffic accident occur, and resurfacing projects that reduce the amount of maintenance activities on those roads. And for CMAQ, by policy FAST Planning invests 20-percent of our federal funds on non-motorized projects to provide transportation alternatives to vehicles.

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

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Major Projects

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

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

Transportation Control Measures

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

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

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update to the SIP to meet additional requirements that were triggered upon the reclassification. ADEC issued a Draft Serious SIP for public review and comment in May 2019. It is not known at this time what Transportation Control Measures (TCMs) will be included in the Final SIP; however, previous TCMs in the Moderate SIP included the following:

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

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

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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.

For more information, please contact:

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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 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						
			3PF		29.4		10.9				
			STP	Right-of-Way				27.3			
			3PF				2.7				
			STP	Utilities					409.4		
			3PF					40.6			
			STP	Construction						1,092.8	
			TAP						454.9		
			3PF						153.6		
			ACC								-1,092.8
			AC							1,092.8	
			Project Total					325.5	0.0	150.8	2,151.3
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	Right-of-Way				2.3			
			SM					0.2			
			STP	Utilities					9.1		
			SM					0.9			
			STP	Construction							2,274.3
			SM								225.8
Project Total					330.0	172.5	10.0	0.0	0.0	2,500.0	
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	

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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>	STP	Design			955.2			1,091.6	
			AC					1,091.6			
			ACC						-1,091.6		
			3PF				47.4		54.2		
			SM					47.4		54.2	
			STP	Right-of-Way							91.0
			3PF							4.5	
			SM							4.5	
			STP	Utilities							909.7
			3PF							45.2	
			SM							45.2	
			STP	Construction							11,007.4
			3PF							546.3	
			SM							546.3	
Project Total					0.0	0.0	1,050.0	0.0	1,200.0	13,200.0	
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	
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				
			STP	Utilities				2.3			
			FAM				0.2				
			STP	Construction					1,580.2		
			FAM				156.9				
			ACC						-1,580.2		
AC			1,580.2								
Project Total					305.0	2.5	1,739.5	0.0	0.0	0.0	

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30099	NFHWY00290	College Road Bus Pullouts <i>Construct new bus stop facilities along College Road. Work includes roadside hardware, drainage improvements, ADA improvements and utilities. New pullouts may potentially increase transit ridership and reduce congestion since the enhanced facility may make transit safer for the rider. It will also reduce idling by moving the bus outside of the travel lane.</i>	STP	Design	181.9						
			FAF		45.5						
			SM		22.6						
			CMAQ	Right-of-Way		227.4					
			STP			9.1					
			SM			23.5					
			STP	Utilities					2.3		
			SM					0.2			
			STP	Construction					600.4		
SM						59.6					
Project Total					250.0	260.0	0.0	662.5	0.0	0.0	
30012	NFHWY00126	Cowles Street Reconstruction <i>Reconstruct Cowles Street from 1st Avenue through East Cowles Street. Project work will include roadside hardware, drainage improvements, intersection improvements, ADA improvements and utilities. 50% local match / 50% state match. Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	STP	Design	136.5						
			FAF		325.7						
			SM		22.9						
			3PF		22.9						
			STP	Right-of-Way				227.0			
			AC			227.0					
			ACC					-227.0			
			SM			11.3					
			3PF		11.3						
			STP	Utilities					190.4		
			AC				190.4				
			ACC					-190.4			
			SM				9.5				
			3PF			9.5					
			STP	Construction						2,199.2	2,199.2
			CMAQ						727.8	727.8	
			3PF						254.4		
			SM						326.7		
AC						5,126.1					
ACC							-2,926.9	-2,199.2			
Project Total					508.0	249.5	209.4	6,435.0	0.0	0.0	

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22765	NFHWY00336	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	277.1	277.1	277.1	277.1	
			FAM		37.8	37.4	37.4	37.4	37.4	
			FAF		10.0	10.0	10.0	10.0	10.0	
Project Total					428.5	424.5	424.5	424.5	424.5	0.0
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	Design			2.3			
			SM				0.2			
			AC	Construction				4,821.4		
			ACC						-2,410.7	-2,410.7
			STP						2,410.7	2,410.7
			SM					478.6		
Project Total					0.0	0.0	2.5	5,300.0	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					
			FAM		13.5					
			FAF		318.4					
			SM		31.6					
Project Total					500.0	0.0	0.0	0.0	0.0	0.0
29673 19096	NFHWY00365 NFHWY00434	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>	FAF	Design		327.5				
			SM			32.5				
			STP	Right-of-Way				2.3		
			SM					0.2		
			FAF	Utilities				21.4		
			SM					2.1		
			AC	Construction	1,731.9					
			ACC					-1,731.9		
			STP					2,604.8		
			FAF		939.4	159.7				
			SM		86.1	15.9				
3PF	186.7	86.6								
Project Total					2,944.1	1,518.6	2.5	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30229	NFHWY00271 NFHWY00482	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	Right-of-Way		2.3					
			SM		0.2						
			STP	Utilities		2.5					
			SM		0.2						
			STP	Construction	132.3		272.9				
			FAF			161.0					
3PF		13.1	15.7	27.1							
Project Total					520.4	182.0	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	
30096 32078	NFHWY00282 NFHWY00454	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	Right-of-Way		2.3					
			SM		0.2						
			STP	Utilities	9.1						
			SM		0.9						
			AC	Construction	1,074.7						
			TAP				694.1				
			FAF			146.5					
			3PF		221.4	14.5	142.9				
			ACC			-1,074.7					
CMAQ		313.8	727.8								
STP		1,155.5	760.9	17.3							
Project Total					2,864.2	251.6	1,582.1	0.0	0.0	0.0	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
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	111.3				
			CMAQ		313.9					
			AC		111.3					
			ACC			-111.3				
			SM		304.0					
			3PF		304.0					
			FAF		2,077.1					
Project Total					7,128.8	0.0	0.0	0.0	0.0	0.0
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
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				5,094.3		
			ACC					-5,094.3		
			AC					5,094.3		
			SM					505.7		
Project Total					699.6	5,749.8	0.0	0.0	0.0	0.0
TBD	TBD	Metropolitan Transportation Plan Update Update FAST Planning Metropolitan Transportation Plan as required under 23 USC 134 (occurs every 4 years).	STP	Planning			136.5			
			FAM				13.5			
Project Total					0.0	0.0	150.0	0.0	0.0	0.0

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
31389	TBD	Minnie Street Upgrade <i>Reconstruct Minnie Street between Illinois Street and Old Steese Highway. Project will include roadside hardware, drainage improvements, intersection improvements, ADA improvements, and utilities. Reconstruct Minnie Street from Erceg Street to the Old Steese Highway in accordance with the results of the Planning and Environmental Linkages study and approval of the Policy Board. Improvements may involve improving intersection geometries, upgrading sidewalks to meet ADA standards, storm-drain system, utility relocations and rehabilitation or replacement of the Noyes Slough Bridge-50% local match / 50% state match</i>	STP	Design		727.8			1,023.4			
			AC				1,023.4					
			ACC					-1,023.4				
			SM			36.1		50.8				
			3PF			36.1		50.8				
			STP	Right-of-Way							1,364.6	
			AC						1,364.6			
			ACC							-1,364.6		
			SM							67.7		
			3PF							67.7		
			STP	Utilities								909.7
			SM								45.2	
			3PF								45.2	
			STP	Construction								8,642.2
			SM								428.9	
3PF								428.9				
Project Total					0.0	800.0	0.0	1,125.0	1,500.0	10,500.0		
24960	TBD	Nelson Road Bicycle & Pedestrian Facility <i>Construct a bicycle and pedestrian facility along Nelson Road by adding shoulders or a seperated multiuse path.</i>	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		
32398	NFHWY00446	Non-Motorized Plan Update <i>Update FMATS Non-Motorized Plan (2012) to improve conditions for bicyclists and pedestrians with the Metropolitan Planning Area.</i>	STP	Planning	136.5							
			FAF			33.7						
			FAM		13.5	3.3						
Project Total					150.0	37.0	0.0	0.0	0.0	0.0		
30106	NFHWY00269	North Pole Streetlight Standardization <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.</i>	BANK	Design	163.7							
			3PF		16.3							
			STP	Utilities					91.0			
			3PF						9.0			
			AC	Construction					532.1			
			3PF						116.1			
			STP						637.8	532.1		
ACC							-532.1					
Project Total					180.0	0.0	0.0	1,386.0	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		29.8					
			STP	Right-of-Way			2.3			
			SM				0.2			
			STP	Utilities				2.3		
			SM					0.2		
			STP	Construction					545.8	
			SM						54.2	
Project Total					330.0	0.0	2.5	602.5	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				
			3PF		50.0					
Project Total					150.0	100.0	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	Design			2.3			
			3PF				0.2			
			STP	Right-of-Way			2.3			
			3PF				0.2			
			STP	Utilities			2.3			
			3PF				0.2			
			AC	Construction				1,819.4		
			3PF					180.6		
			ACC						-1,819.4	
STP						1,819.4				
Project Total					0.0	0.0	2,007.5	0.0	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	Construction			2,961.0			
			CMAQ				184.3			
			FAF				137.5			
			FAM				325.9			
Project Total					159.0	3,653.5	0.0	0.0	0.0	0.0

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29969	NFHWY00137	Wembley Avenue Improvements <i>Reconstruct Wembley Avenue from Aurora Drive to Danby Street and construct a pedestrian facility. 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 <i>Resurface and widen Woll Road from Bradway Road to Ownby Road.</i>	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	252.5	200.0	0.0	2,270.2	
99392	NFHWY00139	Yankovich/Miller Hill Road Reconstruction <i>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.</i>	STP	Right-of-Way			636.8				
			SM			63.2					
			ACC				-636.8				
			AC			636.8					
			STP	Utilities				454.9			
			SM				45.2				
			ACC				-454.9				
			AC			454.9					
			ACC	Construction						-2,079.6	-2,079.6
			SM					412.9			
STP							2,079.6	2,079.6			
AC							4,159.1				
Project Total					0.0	700.0	500.0	4,572.0	0.0	0.0	

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Funding (Revenue) Summary										
		Surface Transportation Program	STP		7,528.1	7,716.3	7,909.2	8,106.9	8,309.6	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning	PL		274.6	277.1	277.1	277.1	277.1	
		Transportation Alternatives Program	TAP		188.3	80.1	694.1	454.9	0.0	
		Banking from Previous Year	BANK		555.5	100.0	0.0	0.0	0.0	
					9,274.3	8,901.2	9,608.2	9,566.6	9,314.5	
		<i>This shows the overall match required for the federal funds above.</i>								
		STP Match			747.3	765.9	785.1	804.7	824.8	
		CMAQ Match			72.2	72.2	72.2	72.2	72.2	
		Planning Match			27.3	27.5	27.5	27.5	27.5	
		TAP Match			18.7	7.9	68.9	45.2	0.0	
		Banking Match			55.1	9.9	0.0	0.0	0.0	
					920.6	883.5	953.7	949.6	924.6	
					10,194.8	9,784.7	10,561.9	10,516.3	10,239.1	
					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	7,561.6	7,831.8	7,902.0	9,437.8	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning	PL		274.6	277.1	277.1	277.1	277.1	
		Transportation Alternatives Program	TAP		188.3	80.1	694.1	454.9	0.0	
		Banking from Previous Year	BANK		555.5	100.0	0.0	0.0	0.0	
					9,274.2	8,746.5	9,530.8	9,361.8	10,442.7	
					<i>Federal Subtotal</i>					
		Advanced Construction	AC		2,917.9	5,958.1	4,044.8	16,755.0	2,456.2	
		Advance Construction Conversion (Payback)	ACC		-136.4	-2,917.9	-5,958.1	-4,044.8	-10,065.5	
					<i>AC/ACC Subtotal</i>					
					2,781.5	3,040.2	-1,913.2	12,710.1	-7,609.3	
Federal Match Summary										
		State Match	SM		706.8	720.0	126.5	1,401.2	121.9	
		Local Government Match	3PF		872.7	184.4	421.7	743.2	121.9	
		FAST Planning Match	FAM		115.8	370.9	208.1	46.5	37.4	
					<i>Match Subtotal</i>					
					1,695.4	1,275.3	756.3	2,190.9	281.2	
					10,969.6	10,021.9	10,287.1	11,552.7	10,723.9	
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	1,174.4	10.0	10.0	10.0	
					<i>TOTAL</i>					
					4,552.1	1,174.4	10.0	10.0	10.0	
					GRAND TOTAL					
					15,521.7	11,196.3	10,297.1	11,562.7	10,733.9	

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
	Urbanized Area Formula Grant - FNSB		FTA	5307	1,325.3	1,325.3	1,368.5			
	Transit operating assistance, and purchase of a bus.		Match		1,123.3	331.3	1,155.5			
	Project Total				2448.7	1656.7	2523.9	0.0	0.0	
	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	
	Urbanized Area Formula - ARRC		FTA	5307	200.0	200.0				
	Track rehabilitation.		Match		50.0	50.0				
	Project Total				250.0	250.0	0.0	0.0	0.0	
	Urbanized Area Formula - ARRC		FTA	5307	200.0	200.0				
	Preventive maintenance.		Match		50.0	50.0				
	Project Total				250.0	250.0	0.0	0.0	0.0	
	Urbanized Area Formula - ARRC		FTA	5307	40.0	92.0				
	Dispatch Radio Modernization: Upgrade/replace dispatch radios		Match		10.0	23.0				
	Project Total				50.0	115.0	0.0	0.0	0.0	
	Transit Security - ARRC		FTA	5307	40.0	40.0				
	Support for transportation infrastructure security activities to strengthen the nation's critical infrastructure against risks associated with potential terrorist attacks		Match		10.0	10.0				
	Project Total				50.0	50.0	0.0	0.0	0.0	
	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	2193.6	1675.2	1705.8	0.0	
	Rural Transit - FNSB		ILLU	5311	0.0	0.0				
	Operational funding for the gray line.		Match		0.0	0.0				
	Project Total				0.0	0.0	0.0	0.0	0.0	
	State of Good Repair - ARRC		FTA	5337	200.0	200.0				
	Preventive maintenance.		Match		50.0	50.0				
	Project Total				250.0	250.0	0.0	0.0	0.0	
	State of Good Repair - ARRC		FTA	5337	200.0	200.0				
	Track rehabilitation.		Match		50.0	50.0				
	Project Total				250.0	250.0	0.0	0.0	0.0	
	State of Good Repair - ARRC		FTA	5337	40.0	92.0				
	Dispatch Radio Modernization: Upgrade/replace dispatch radios.		Match		10.0	23.0				
	Project Total				50.0	115.0	0.0	0.0	0.0	
	Enhanced Mobility for Seniors & Individuals with Disabilities		FTA	5310	80.6	81.6				
	Funding for VanTran service.		FNSB		20.1	20.4				
	Project Total				100.7	102.0	0.0	0.0	0.0	
	Transit Maintenance Facility Expansion		ILLU	5339						
	Renovation and expansion of the transit maintenance facility, including utility connection and/or storage of CNG.		FTA							
			FNSB							
	Project Total				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
	Van Tran Fleet Transition to CNG	Transition the Van Tran fleet to Compressed Natural Gas in accordance with Van Tran Recommended 10-year Bus Replacement Plan 2019-2028.	FTA	5310	168.0	113.5	115.1	58.4		
			Match		42.0	28.4	28.8	14.6		
Project Total					210.0	141.9	143.9	72.9	0.0	
	Bus and Bus Facility Allocations - FNSB		FTA	5339	95.2	95.2				
			FNSB		23.8	23.8				
Project Total					119.0	119.0	0.0	0.0	0.0	
	Buses and Bus Facility Competitive Grant		ILLU	5339(b)						
			FNSB							
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.	AC	Right-of-Way		4,275.6				
			SM		424.4					
			CMAQ	Design	1,637.5					
			SM		162.5					
Project Total					1,800.0	4,700.0	0.0	0.0	0.0	14,106.2
29881	TBD	Airport Way Drainage Improve roadway drainage by replacing drainage structures, reconfiguring roadway geometry and frontage road separation, grading and adjusting utilities. This project will also address ADA compliance and associated drainage needs.	NHPP	Design		545.8				
			SM		54.2					
Project Total					0.0	600.0	0.0	0.0	0.0	9,700.0
19217	NFHWY00245	Airport Way / Steese Expy /Gaffney Rd / Richardson Hwy Interchange Construct a grade-separated facility at the intersection of Gaffney Road, Airport Way, Richardson Highway, and the Steese Expressway (GARS) to improve safety and traffic flow.	HSIP	Design	1,100.0					
				Right-of-Way						
				Utilities		500.0				
				Construction			30,800.0			
Project Total					1,100.0	500.0	30,800.0	0.0	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.	ILLU	Construction						
Project Total					0.0	0.0	0.0	0.0	0.0	9,000.0
19217	NFHWY00360	Fairbanks Area Concrete Barrier Upgrades Upgrade the concrete barriers on the Johansen Expressway, Parks Highway/Mitchell Expressway, Steese Expressway, and the Richardson Highway to current design standards. Work includes roadside hardware.	HSIP	Construction	1,000.0	6,340.2				
Project Total					1,000.0	6,340.2	0.0	0.0	0.0	
19217	NFHWY00098	Fairbanks Ramp Sight Distance Improvements Reconstruct right turn ramps at multiple locations throughout the Fairbanks area to improve sight distance. Work includes roadside hardware, drainage improvements, intersection improvements, ADA improvements, and utilities.	HSIP	Construction	880.0					
Project Total					880.0	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
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.	ILLU	Construction						
Project Total					0.0	0.0	0.0	0.0	0.0	3,835.0
19217	NFHWHY00097	Richardson Hwy MP 351 Interchange Replace the existing at grade intersection with an interchange to reduce turning related crashes.	HSIP	Design	615.0					
				Right-of-Way	500.0					
				Utilities		700.0				
				Construction		19,150.0				
Project Total					1,115.0	19,850.0	0.0	0.0	0.0	
30069	TBD	Richardson Highway MP 350-353 Access Improvements Improve existing access control including development of frontage roads on the Richardson Highway. Work includes resurfacing the Richardson Highway, improving and consolidating intersections, and grade separation of the Alaska Railroad crossing.	NHPP	Design			1,637.5			
			SM				162.5			
Project Total					0.0	0.0	1,800.0	0.0	0.0	38,000.0
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.	AC	Construction	20,000.0					
			ACC				-20,000.0			
			NHPP			3,910.4	20,000.0			
			SM			1,689.6				
Project Total					25,600.0	0.0	0.0	0.0	0.0	0.0
28069	Z607340000	Richardson Highway MP 359 Railroad Grade Separated Facility Construct grade-separated crossing at MP 359 of the Richardson Highway to reduce railroad/vehicle conflicts; improve connectivity with the Old Richardson Highway; and provide Fort Wainwright south gate access.	NHPP	Design			1,333.8			
			SM				94.2			
			NHPP	Right-of-Way			467.0			
			SM					33.0		
			NHPP	Utilities			909.7			
			SM					90.3		
Project Total					0.0	2,928.0	0.0	0.0	0.0	38,500.0
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			
Project Total					0.0	15,000.0	0.0	0.0	0.0	13,645.5
30150	NFHWHY00020	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	136.5					
			SM		13.5					
			NHPP	Construction			591.3			
			SM					58.7		
Project Total					150.0	650.0	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
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					
			SM		187.3					
			NHPP	Right-of-Way		2,729.1				
			SM			270.9				
			NHPP	Utilities		909.7				
SM			90.3							
Project Total					2,074.0	4,000.0	0.0	0.0	0.0	31,000.0
31578	Z632130000	University Ave Rehabilitation: Side Streets Finish Halvorson, portions of Goldizen and Geraghty Avenue, as well as advance utility relocations as part of the larger University Avenue Rehabilitation project.	ILLU	All						
Project Total					0.0	0.0	0.0	0.0	0.0	10,000.0
31577	Z632130000	University Avenue Rehabilitation: Thomas Street to Chena River (Segment I) Widen and reconstruct University Avenue to current standards from Thomas Street to the Chena River, including replacement of University Ave Bridge #0263.	ILLU	All						
Project Total					0.0	0.0	0.0	0.0	0.0	18,000.0
29656	Z632130000	University Avenue Rehabilitation: Chena River to Parks Highway (Segment II) Widen and reconstruct University Avenue to current standards from the Chena River to the Parks Highway.	ILLU	All						
Project Total					0.0	0.0	0.0	0.0	0.0	25,000.0
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					690.0					7,250.0
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	0.0	0.0	
27542	NFHWY00289	Chena Hot Spring Road MP 0-6 Rehabilitate Chena Hot Spring Road.	STP	Design	1,071.6					
			SM		106.4					
			STP	Utilities		227.4				
			SM			22.6				
			AC	Construction		15,464.9				
SM			1,535.1							
Project Total					1,178.0	17,250.0	0.0	0.0	0.0	15,464.9

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
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.	AC	Construction	1,455.5					
			ACC			-1,455.5				
			STP			1,455.5				
			SM		144.5					
Project Total					1,600.0	0.0	0.0	0.0	0.0	0.0
19217	Z772770000	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.	HSIP	Construction						
					520.0					
Project Total					520.0	0.0	0.0	0.0	0.0	0.0
19217	Z634810000	Fairbanks Area Signal Upgrades Signal modifications at multiple locations throughout the Fairbanks area, including installing signal heads, flashing yellow arrows, and replacing supplemental signal heads.	HSIP	Utilities	250.0					
				Construction	9,700.0					
				Project Total					9,950.0	0.0
31878	NFHWY00424	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	Planning	946.1	946.1	946.1			
			SM		93.9	93.9	93.9			
			Project Total					1,040.0	1,040.0	1,040.0
30369	NFHWY00155	Northern Region ADA Reconnaissance & Improvements Design and Construct improvements recommended by the Northern Region ADA Reconnaissance Study.	STP	Design	136.5	227.4				
			SM		13.5	22.6				
			STP	Right-of-Way		91.0				
			SM			9.0				
			STP	Utilities		91.0				
			SM			9.0				
			STP	Construction			1,819.4			
			SM				180.6			
Project Total					150.0	450.0	2,000.0	0.0	0.0	
19217-4	Z634670000	Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts Construct roundabouts at the interchange ramp termini for the Steese Highway at Chena Hot Springs Road.	HSIP	Utilities		150.0				
			HSIP	Construction		5,000.0				
Project Total					0.0	5,150.0	0.0	0.0	0.0	
26082	Z624870000	Old Steese Highway Reconstruction Reconstruct the Old Steese Highway from Wendell Avenue Bridge to, and including, the intersenction at the Johansen Expressway.	GO Bond	Design						
				Right-of-Way	2,100.0					
				Utilities	4,100.0					
				Construction				16,000.0		
Project Total					6,200.0	0.0	0.0	16,000.0	0.0	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
6359	Z632910000	Wendell Avenue Bridge Replace the Wendell Avenue Bridge and rehabilitate Wendell Avenue/Old Steese Highway between the Clay Street and 3rd Street intersections. In addition provide pedestrian and bicycle access from the Graehl and Chena Riverwalk Parks to the bridge. Project work will include roadside hardware, utilities, drainage and ADA improvements.	GO Bond	Design						
				Right-of-Way						
				Utilities	700.0					
				Construction	18,000.0					
Project Total					18,700.0	0.0	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	4,548.5	4,548.5			
			SM		451.5	451.5	451.5			
Project Total					4,394.5	5,000.0	5,000.0	0.0	0.0	
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	All	72.8	72.8	72.8			
			SM		7.2	7.2	7.2			
Project Total					80.0	80.0	80.0	0.0	0.0	160.0
29232	NFHWY00141 NFHWY00142 NFHWY00407	Committed Measures for the Fairbanks SIP This project is to fund committed measures identified in the Fairbanks SIP that addresses the Fairbanks PM2.5 non-attainment. [FFY19 - Carlson Center, Fairbanks & North Pole Libraries, and Big Dipper Plug-ins]	CMAQ-M	All	1,728.4	1,728.4	1,728.4			
			SM		171.6	171.6	171.6			
Project Total					1,900.0	1,900.0	1,900.0	0.0	0.0	3,800.0
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	All	482.1	482.1	482.1			
			CMAQ-M		2,729.1	2,729.1	2,729.1			
			SM		318.8	318.8	318.8			
Project Total					3,530.0	3,530.0	3,530.0	0.0	0.0	7,060.0
<i>The above projects are in the 2019 - 2021 STIP. The following projects are sub-allocations from Need ID 29232 and Need ID 18791 and are exempt from conformity analysis. They are shown here for informational purposes only.</i>										
18791-16	Z607110000	FNSB SIP Prepare a Fairbanks PM 2.5 Non-Attainment Area Statewide Implementation Plan (SIP). This project includes inventory development, data collection, analysis, modeling, identifying control measures and components that demonstrate attainment.	CMAQ	All						
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
18791-1	Z607090000	FNSB Air Quality Education Development and implementation of a multi-media campaign, collection of survey/behavioral data to support outreach activities, analyzing and distributing monitoring information, rental and purchase and operations and maintenance costs of signs displaying current air quality concentrations and enhanced outreach to support improved air quality.	CMAQ	All						
Project Total					0.0	0.0	0.0	0.0	0.0	
18791-Z	Z633860000	Fairbanks Area Signal Timing Upgrades Conduct a signal timing review to provide recommendations for signal coordination and to integrate signal timing improvements. Priority will be given to NHPP routes and higher functional class corridors within the Fairbanks PM2.5 non-attainment area to promote travel efficiency and reduce delays, thereby reducing PM2.5 emissions.	CMAQ	All						
Project Total					0.0	0.0	0.0	0.0	0.0	
29232-1	NFHWHY00141 NFHWHY00407	Carlson Center Motor Vehicle Plug-In Installation of electrical plug-ins at the Carlson Center for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.								
29232-2	NFHWHY00142 NFHWHY00407	Fairbanks & North Pole Libraries & Big Dipper Plug-Ins Installation of electrical plug-ins at the Fairbanks Library, North Pole Library and the Big Dipper for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.	CMAQ	All	526.5					
Project Total					526.5	0.0	0.0	0.0	0.0	

FAST Planning FFY19-23 Transportation Improvement Program (TIP)
Administrative Modification #2 - Summary of Changes
Approved April 15, 2020

Project	Description
1 College Road Bus Pullouts	Removed \$200k Utilities phase funding in FFY20 and added \$2.5k Utilities phase placeholder in FFY22 per DOT; removed FFY21 AC from Construction phase (slated for construction in FFY22 in latest Design Status Report); added \$10k in STP funding to ROW phase per DOT's latest estimate
2 Chena Riverwalk Stage III	Moved FFY20 Utilities phase placeholder to FFY21 per DOT and changed funding from CMAQ to STP
3 Coordinators Office	Corrected FFY20-23 match amounts from calculation error
4 Cushman Street Bridge Rehabilitation	Moved FFY20 Design phase placeholder to FFY21
5 FAST Improvement Program	Removed FFY20 Utilities phase placeholder (STP) and added \$23.5k in offset funding approved by Executive Director 01.23.20; added \$260k in offset funding to FFY20 Design phase approved by Policy Board 02.12.20; moved FFY20 ROW phase placeholder to FFY21
6 FAST Intersection Improvement Program	Added \$174k in offset funding to FFY20 Construction phase approved by Executive Director 02.05.20 (high bids rejected in FFY19 and funds were deobligated to be bundled with FAST Improvement Program bid package in FFY20); updated Need ID and Project Number in coordination with current design projects
7 FAST Sidewalk Improvement Program	Added \$161k in offset funding to FFY20 Construction phase approved by Executive Director 02.04.20; updated Need ID for "Growden Area Accessibility Improvements" ATAP project
8 McGrath Road Upgrade	Added \$150k in offset funding to FFY20 Utilities phase approved by Technical Committee 02.05.20
9 Minnie Street Upgrade	Reduced Preliminary Engineering FFY20 Design phase from \$975k to \$880k, and reduced Final FFY22 Design phase from \$1.3 million to \$1.125 million per DOT's latest estimate; changed Project Number to "TBD"; revised TIP scope for consistency with DOT project scope
10 Non-motorized Plan Update	Added \$37k in offset funding to FFY20 Planning phase approved by Executive Director 01.23.20
11 North Pole Streetlight Standardization	Removed FFY21 AC from Utilities phase (not needed until FFY22 construction year)
12 Old Rich Hwy Intersection Improvements	Moved FFY20 ROW phase placeholder to FFY21, and moved FFY21 Utilities phase placeholder to FFY22
13 Sign Replacement Stage III	Move FFY20 Design, ROW, and Utilities phase placeholders to FFY21 per DOT
14 Tanana Loop & South Chandalar Intersections	Added \$45k in offset funding to FFY20 Design phase approved by Executive Director 02.21.20; added \$456.6k in offset (\$151.1k), STP (\$102.9k), & CMAQ (\$202.6k) funding to FFY20 Construction phase approved by Technical Committee 02.25.20
15 Yankovich/Miller Hill Road Reconstruction	Reduced Utilities phase from \$730k to \$500k per DOT's latest estimate



**Policy Board
Action Items
04.15.2020**

Motion: To authorize the Executive Director to sign and send the PM2.5 Non-attainment Area CMAQ Funding Plan Letter to DOT&PF. (Welch/Edwards). None opposed. Approved.

Motion: To accept the Technical Committee's recommendation* and accelerate Holmes Road Reconstruction Project from medium- to short-range in the MTP and TIP. (Welch/Cleworth).

**To recommend to the Policy Board to add the "Holmes Road Reconstruction" project to the FFY19-23 TIP as an Illustrative project and change the scope of the project to include consideration of widened shoulders, separated path, sidewalks, or bike lanes.*

Amendment to Motion: To eliminate "separated path" from the scope. (Cleworth/Matherly). Two in favor. Five opposed. (Matherly, Ward, Tomaszewski, Welch, Edwards). Motion failed.

Vote on Original Motion: None opposed. Approved.

Motion: To resubmit the BUILD Grant application for the Cowles Street Reconstruction project. (Welch/Tomaszewski). None opposed. (Matherly absent). Approved.

Motion: To approve FFY2019-23 TIP Administrative Modification #2. (Welch/Ward). None opposed. (Matherly absent). Approved.

Ryan Anderson, P.E.
Chair, Policy Board

4/16/2020

Date