


MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities Division of Program Development

TO: Marc Luiken
Commissioner

DATE: April 9, 2018

THRU: Mike Vigue, Director 
Program Development

PHONE NO: 465-4070
FAX NUMBER: 465-6984


FROM: Maren Brantner 
STIP Manager

SUBJECT: Recommend Approval of
FMATS TIP Admin Mod 4

The FMATS Policy Committee approved Administrative Modification #4 to the FMATS 2017-2020 Transportation Improvement (TIP) on March 23, 2018.

In accordance with the agreement between FMATS and Alaska DOT&PF, the Fairbanks MPO coordinator and FMATS Policy Committee has determined Administrative Modification #4 to the FMATS 2017-2020 TIP has met all the requirements of US Code Title 23, Section 134 and is fiscally constrained by the allocations made in the 2016-2019 STIP and the Draft 2018-2021 Statewide Transportation Improvement Program (STIP). An administrative modification does not require a new conformity determination per 23 CFR 405.104.

Your approval of Administrative Modification #4 to the FMATS 2017-2020 TIP is recommended and required as the statutory designee for all state transportation planning matters.

Approved: 
Marc Luiken, Commissioner

Date: 17 Apr 2018

Attachment: FMATS 2017-2020 TIP Admin Mod #4 with tables
FMATS 2017-2020 TIP Admin Mod #4 approval request letter
Summary of Changes Table

CC: Ryan Anderson, Director, ADOT&PF Northern Region
Margaret Carpenter, FMATS Planner, ADOT&PF Northern Region
Judy Chapman, Planning Chief, AKDOT&PF Northern Region
Ned Conroy, FTA
Jackson Fox, FMATS Executive Director
Marie Heidemann, Planning Chief, AKDOT&PF Statewide
John Lohrey, FHWA
Alicia Stevens, FMATS, Transportation Planner

April 4, 2018

Alaska Department of Transportation & Public Facilities
Mr. Ryan Anderson, P.E.
2301 Peger Road
Fairbanks, Alaska 99709

RE: Transmittal of FMATS 2017 - 2020 TIP Administrative Modification #4 Revision

Mr. Anderson,

Attached for approval and inclusion in the Statewide Transportation Improvement Program (STIP) is the Fairbanks Metropolitan Area Transportation System (FMATS) 2017 - 2020 Transportation Improvement Program (TIP) Administrative Modification #4. The FMATS Policy Board approved this document on March 21, 2018.

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 FMATS. If you have any questions, please contact Jackson Fox, FMATS Executive Director, at 459-6786 or email Jackson.fox@fmats.us.

Sincerely,



Jackson Fox

Attachments: FMATS FFY2017 - 2020 TIP Administrative Modification #4 Revised
Summary of Changes Table
Amendment #3 Comparison Table

Copy: Randi Motsko, Fairbanks Field Office, ADOT&PF



**Policy Board
Action Items
3.21.18**

Motion: To adopt the "FMATS Transition To 501(c)(3)" as presented.
(Cleworth/Lawrence). None opposed. Approved.

Motion: To approve TIP Administrative Modification #4 as presented.
(Kassel/Lawrence). None opposed. Approved.

Motion: To support the State's Performance Targets for pavement and bridge
condition. (Lawrence/Cleworth). None opposed. Approved.

Motion: To support the reallocation of unspent CMAQ funds from the Rideshare
Program to purchase four new VanTran vehicles. (Kassel/Lawrence). None
opposed. Approved.

Mayor Bryce Ward
Chair

3-23-18

Date

FMATS 2017 - 2020 TIP
Administrative Modification #4
Summary of Changes

NEED ID	PROJECT	FUND CODE	PHASE	AMOUNT	
30012	Cowles Street Reconstruction	STP	Right-of-Way	(\$66.8)	Removed from FFY18
		SM	Right-of-Way	(\$3.3)	Removed from FFY18
		3PF	Right-of-Way	(\$3.3)	Removed from FFY18
		STP	Right-of-Way	\$66.8	Added to FFY19
		SM	Right-of-Way	\$3.3	Added to FFY19
		3PF	Right-of-Way	\$3.3	Added to FFY19
29673	FMATS Improvement Program	STP	Construction	(\$198.3)	Moved \$198.3 to Noble Street for construction increase
		FAF	Construction	\$198.3	Added CMAQ Offset
17975	Noble Street Upgrade	STP	Construction	\$198.3	Added \$198.3 from FMATS Improvement Program for construction increase
		STP	Construction	\$66.8	Added \$66.8 from Cowles Street
		SM	Construction	\$26.3	Added \$26.3 for STP funding increases
30093	Sign Replacement - Stage III	AC	Design	\$200.1	Added \$200.1 to move phase from FFY19 to FFY18
		ACC	Design	(\$200.1)	Added (\$200.1) AC Conversion in FFY19
		3PF	Design	(\$19.9)	Removed from FFY19
		3PF	Design	\$19.9	Added to FFY18 for AC
30251	Paratransit Vehicles	ILLU	All	\$0.0	Moved project to FTA section of the TIP to reflect funding
N/A	Summary Page	STP		\$183.7	Increased FFY18 allocation amount by per Draft STIP
		STP		\$371.9	Increased FFY19 allocation amount per Draft STIP
		Match		\$18.3	Increased FFY18 match amount per Draft STIP
		Match		\$36.9	Increased FFY18 match amount per Draft STIP
FTA Projects within FMATS Boundary					
	Urbanized Area Formula	FTA	5307	\$60.0	Added \$20 for FFY18, FFY19, & FFY20 per ARRC
				\$15.0	Added \$5 for FFY18, FFY19, & FFY20 per ARRC
30251	Paratransit Vehicles- FNSB	FTA	5310	\$260.3	Added funding per FNSB request upon receiving FTA funds
		Match		\$25.8	Added funding per FNSB request upon receiving FTA funds

2017-2020 TIP Amendment #3 Comparison Table

NID	IRIS	Project Description	Fund Code	Phase	Approved Amendment #3					Proposed Admin Mod #4					
					FFY17	FFY18	FFY19	FFY20	Beyond	FFY17	FFY18	FFY19	FFY20	Beyond	
30012	NFHW Y00126	Cowles Street Reconstruction	STP	Design		285.1					285.1				
		Reconstruct Cowles Street from 1st Avenue to through East Cowles to include sidewalk, drainage, intersection and illumination improvements. 50% local match / 50% state match. Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.	SM			14.1				14.1					
		3PF			14.1				14.1						
				STP	Right-of-Way		66.8						66.8		
			SM			3.3					3.3				
			3PF			3.3					3.3				
			STP	Utilities				190.4						190.4	
			SM					9.5					9.5		
			3PF					9.5					9.5		
			STP	Construction				5,126.1						5,126.1	
			CMAQ					727.8					727.8		
			3PF					254.4					254.4		
			SM					326.7					326.7		
Project Total					0.0	386.7	0.0	6,644.4	0.0	0.0	313.3	73.4	6,644.4	0.0	
29673	NFHW	FMATS Improvement Program	STP	Design	272.9	136.5				272.9	136.5				
19096	Y00006	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. (SOA pays design match and local governments pay construction match, per agreement.) TAP funding through NID 30689	SM		27.1	13.5				27.1	13.5				
			BANK		1,029.9					1,029.9					
			3PF		102.2					102.2					
			TAP		654.3					654.3					
			3PF		163.6					163.6					
			ILLU	Construction			3,798.7					3,798.7			
			AC					2,274.3						2,274.3	
			3PF					225.7						225.7	
			ACC						-2,274.3					-2,274.3	
			STP			1,803.3	4,181.5			2,274.3	1,803.3	3,983.2			2,274.3
			FAF									198.3			
			3PF			179.0	415.1				179.0	415.1			
Project Total					2,009.4	6,696.6	3,798.7	2,500.0	0.0	2,282.3	6,696.6	3,798.7	2,500.0	0.0	
17975	Z61725 0000	Noble Street Upgrade	STP	All		776.8					1,041.9				
		Reconstruct Noble St. from 1st Avenue to Gaffney Road.	FAF			253.8					253.8				
		SM			102.3					128.6					
Project Total					0.0	1,132.9	0.0	0.0	0.0	0.0	1,424.3	0.0	0.0	0.0	
30251		Paratransit Vehicles	ILLU	All						Moved to Informational Section of the TIP under FTA Projects within FMATS Boundary					
		Purchase nine paratransit vans to replace vans that are currently 5 to 13 years old. The useful life of a paratransit van is 5 years.													
Project Total					0.0	0.0	0.0	0.0	0.0						

2017-2020 TIP Amendment #3 Comparison Table

NID	IRIS	Project Description	Fund Code	Phase	Approved Amendment #3					Proposed Admin Mod #4					
					FFY17	FFY18	FFY19	FFY20	Beyond	FFY17	FFY18	FFY19	FFY20	Beyond	
30093	FHWWY002	Sign Replacement - Stage III	AC	Design							200.1				
		Replace signs in accordance with each entity's established sign management plans to meet the requirements of the MUTCD.	ACC								-200.1				
			STP		118.3		200.1			118.3		200.1			
			3PF		11.7		19.9			11.7	19.9				
				AC	Right-of-Way			4.5					4.5		
			ACC					-4.5					-4.5		
			STP					4.5					4.5		
			3PF				0.5					0.5			
				3PF	Utilities			0.5					0.5		
			AC				4.5					4.5			
			ACC					-4.5					-4.5		
			STP					4.5					4.5		
				AC	Construction				1,819.4					1,819.4	
			3PF					180.6					180.6		
	ACC						-1,819.4					-1,819.4			
	STP						1,819.4					1,819.4			
Project Total					130.0	0.0	230.0	2,000.0	0.0	130.0	220.0	10.0	2,000.0	0.0	
Funding (Revenue) Summary															
FMATS STP ALLOCATION (Federal) STP				7,344.4	7,344.4	7,344.4	7,344.4		7,344.4	7,344.4	7,528.1	7,716.3			
(Federal) CMAQ				727.8	727.8	727.8	727.8		727.8	727.8	727.8	727.8			
Planning funds PL				297.9	274.6	252.5	252.5		297.9	274.6	252.5	252.5			
BANK				2,683.6	1,066.3				2,683.6	1,066.3					
				11,053.7	9,413.1	8,324.7	8,324.7		11,053.7	9,413.1	8,508.4	8,696.6			
This shows the overall match required for the federal funds above.															
FMATS STP ALLOCATION (state & 3PF match) Match				729.0	729.0	729.0	729.0		729.0	729.0	747.3	765.9			
Match needed for all CMAQ funds CMAQ-M				72.2	72.2	72.2	72.2		72.2	72.2	72.2	72.2			
Match needed for all Planning funds PL-M				29.6	28.0	25.1	25.1		29.6	28.0	25.1	25.1			
Match needed for all Banking funds BANK-M				266.4	105.8				266.4	105.8					
				1,097.2	935.0	826.3	826.3		1,097.2	935.0	844.6	863.2			
Funding (Revenue) Total					12,150.9	10,348.1	9,151.0	9,151.0		12,150.9	10,348.1	9,352.9	9,559.8		
FTA Projects within FMATS Boundary															
Need ID	Project Description		Fund Code	Fund Type	FFY17	FFY18	FFY19	FFY20		FFY17	FFY18	FFY19	FFY20		
	Urbanized Area Formula - ARRC		FTA	5307	18.1	0	0.0	0.0		18.1	20.0	20.0	20.0		
	Associated transit improvements.		Match		1.9	0	0.0	0.0		1.9	5.0	5.0	5.0		
Project Total					1.9	0.0	0.0	0.0		20.0	25.0	25.0	25.0		
30251	Paratransit Vehicles - FNSB		FTA	5310	0	0.0	0.0	0.0			260.3				
	Purchase nine paratransit vans to replace vans that are		Match		0	0.0	0.0	0.0			25.8				
Project Total					0.0	0.0	0.0	0.0		0.0	286.1	0.0	0.0		

FMATS



FAIRBANKS METROPOLITAN AREA TRANSPORTATION SYSTEM



2017 – 2020

Transportation Improvement Program

Administrative Modification #4

Approved March 21, 2018

2017 – 2020 Transportation Improvement Program

Administrative Modification #4

Table of Contents

Introduction	INTRO 1 – INTRO 5
FMATS Area Projects	1 - 14
Advanced Project Definition	1
Airport Way Functional Features Analysis.....	1
Barnette Street Reconstruction	1
Birch Hill Bicycle and Pedestrian Facility	1
Chena River Walk Stage III	1
College Road Bus Pullouts.....	2
Cowles Street Reconstruction.....	2
Coordinators Office.....	2
Cushman Street Bridge Rehabilitation or Replacement	2
Fairbanks Rail/Road Crossing Reduction Plan	2
FMATS Improvement Program	3
FMATS Intersection Improvement Program.....	3
FMATS Safety and Efficiency Program.....	3
FMATS Sidewalk Improvement Program.....	3
Gillam Way Reconstruction	4
Gold Hill Road Bicycle and Pedestrian Facility	4
Green Streets Plan	4
Lacey Street Reconstruction	4
Lathrop Street Extension	4
McGrath Road Upgrade	5
Metropolitan Transportation Plan.....	5
Minnie Street Upgrade	5
Noble Street Upgrade	5
North Pole Streetlight Standardization.....	5
Old Richardson Highway Intersection Improvements.....	6
Pedestrian Improvements – Stage I.....	6
Sign Replacement Stage III	6
Tanana Loop and South Chandalar Drive Intersections.....	6
Transit Buses.....	7
Transition Plan	7
Wembley Avenue Improvements: Aurora Drive to Danby Street	7
Yankovich/Miller Hill Road Reconstruction and Multi-Use Path	7
FMATS Funding Summary	8
FTA Projects	9
Urbanized Area Formula Grant - FNSB	9
Urbanized Area Formula Grant - ARRC.....	9
Rural Transit - FNSB	9

State of Good Repair - ARRC	9
Transit Security –ARRC.....	9
Enhanced Mobility for Seniors and Individuals with Disabilities	9
Transit Maintenance Facility Expansion	9
Paratransit Vehicles	9
Bus and Bus Facility Allocations-FNSB	9
Illustrative FTA Projects	10
Buses and Bus Facility Competitive Grant	10
NHS Projects	10- 11
Airport Way / Cushman Street Intersection Reconstruction	10
Airport Way Drainage	10
Airport Way (West) Improvements	10
Elliot Highway MP 0-12 Rehabilitation (Fox to Haystack)	10
Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path	10
Richardson Highway MP 353 – 357 Access/Safety Improvements	10
Richardson Highway MP 359 Railroad Grade Separated Facility	10
Steese Highway and 3 rd Street Widening	11
Steese Highway / Johansen Expressway Area Traffic Improvements	11
Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane	11
Steese Highway / Johansen Expressway Interchange	11
University Avenue Widening	11
University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)	11
University Avenue Rehabilitation: Chena River to Parks Highway(Segment II)	11
Other Projects	12 - 13
Aurora Drive- Noyes Slough Bridge	12
HSIP: Badger Road-Two Way Left Turn Lane	12
HSIP: College Road Median Extension	12
PM: Farmers Loop Resurfacing	12
Gold Mine Trail Road Upgrade.....	12
HSIP: Fairbanks Danby – Wembley Roundabout	12
HSIP: Steese Hwy / Chena Hot Springs Rd Ramp Termini Roundabouts	12
Old Steese Highway Reconstruction – GO Bond.....	12
Rosie Creek Road Improvements	13
Wendell Avenue Bridge	13
CMAQ Projects	13-14
Fairbanks Air Quality Planning Project	13
Committed Measures for the Fairbanks SIP	13
Statewide Congestion Mitigation and Air Quality	13
FNSB SIP	13
PM2.5 VMT and Classification Study	13
Nor Reg Signal Interconnect	14
FNSB Air Quality Education	14
Fairbanks Area Signal Timing Upgrades.....	14
Heavy Duty Diesel Anti – Idling Maintenance and Emissions	14

Carlson Center Motor Vehicle Plug - In	14
Fairbanks and North Pole Libraries and Big Dipper Plug - Ins	14
Hot Spot Guidance Program	14
Fairbanks Air Quality Conformity	14

**FMATS 2017 - 2020 FMATS TRANSPORTATION IMPROVEMENT PROGRAM
ADMINISTRATIVE MODIFICATION #4**

**Approved
3.21.18**

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) ADMINISTRATIVE MODIFICATION #4

This is the FMATS 2017 - 2020 Fairbanks Metropolitan Area Transportation System (FMATS) TIP Administrative Modification #4. This TIP was established to remedy the cost increase for the Noble Street Upgrade. Funding was relocated between three other projects to accommodate the request for the Noble Street project increase.

The 2017 – 2020 TIP was reviewed at the March 7, 2018 Technical Committee meeting and approved by the Policy Board on March 212, 2018. The TIP continues to be fiscally constrained. A conformity determination is not required for Administrative Modifications.

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

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

FMATS 2017 - 2020 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

ADMINISTRATIVE MODIFICATION #4

Approved
3.21.18

ACRONYMS AND DEFINITIONS

General Definitions

AC – Advance Construction

ACC – Advance Construction Conversion

BANK - Banking

AMATS – Anchorage Metropolitan Area Transportation Solutions

CMs – Contingency Measures

EPA – Environmental Protection Agency

FHWA – Federal Highway Administration

FAST Act – Fixing America’s Surface Transportation Act

FMATS – Fairbanks Metropolitan Area Transportation System

FTA – Federal Transit Administration

MAP-21- Moving Ahead for Progress in the 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.

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

FMATS 2017 - 2020 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

ADMINISTRATIVE MODIFICATION #4

Approved
3.21.18

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

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

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

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

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

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

FMATS 2017 - 2020 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

ADMINISTRATIVE MODIFICATION #4

Approved
3.21.18

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

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

**FMATS 2017 - 2020 FMATS TRANSPORTATION IMPROVEMENT PROGRAM
ADMINISTRATIVE MODIFICATION #4**

**Approved
3.21.18**

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:

Jackson Fox
Fairbanks Metropolitan Area Transportation System
Executive Director
800 Cushman Street
Fairbanks, AK 99701-4615
PHONE: 907.459.6786
EMAIL: jackson.fox@fmats.us

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

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

1 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
21934	NFHWY00134	Advanced Project Definition	PL	Planning	11.0				
		Provide funding to the State and City to develop new estimates for TIP projects.	FAM		11.0				
		STP	100.0						
Project Total					122.0	0.0	0.0	0.0	0.0
30095	NFHWY00268	Airport Way Functional Features Analysis	STP	Planning	272.9				
		Provide a general toolkit for DOT&PF-engineers that provides functional and aesthetic options for necessary roadway features for Airport Way. Analyze need for access control features in the corridor and evaluate the feasibility of complete street and green street elements that give consideration to right-of-way and operational constraints.	FAM		27.1				
Project Total					300.0	0.0	0.0	0.0	0.0
30011		Barnette Street Reconstruction	STP	Design				1,364.6	
		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.	3PF				67.7		
		SM				67.7			
		ILLU	All					16,550.0	
Project Total					0.0	0.0	0.0	1,500.0	16,550.0
3874	Z637680000	Birch Hill Bicycle and Pedestrian Facility: FNSB	STP	Design	32.5				
		Construct a bike/pedestrian facility along Birch Hill Road to allow safe access to the Birch Hill Recreational Trail System.	SM		3.2				
		Utilities	STP	236.5					
			SM	23.5					
			BANK	1,809.2					
		Construction	STP		90.2				
			SM	180.6	8.9				
Project Total					2,285.5	99.1	0.0	0.0	
26078	Z64062000	Chena River Walk Stage III	STP	Design	155.1				
		Expand the Chena River Walk to the north side of the Chena River with approximately 2,200 linear feet of pathway from Peger Road to the existing Chena River pedestrian bridge crossing. Construct sidewalk along Peger Road from the Chena River bridge No. 1191 to Phillips Field Road intersection to connect the Chena River Walk to existing pedestrian facilities or consider a path connection under the bridge.	3PF		15.4				
		CMAQ			142.8				
		SM			14.2				
		CMAQ	Right-of-Way			2.3			
		SM				0.2			
		CMAQ	Utilities			2.3			
		SM				0.2			
		AC	Construction				1,410.0		
		ACC						-1,410.0	
		STP						1,410.0	
		3PF					140.0		
Project Total					170.5	157.0	5.0	1,550.0	0.0

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

2 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond	
30099	NFWHY00290	College Road Bus Pullouts Install bus stop facilities at high-use locations along College Road in coordination with the MACS Transit System. Work includes utilities, pavement and drainage work as needed to construct the pullouts. <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	131.0	87.3				
			SM		13.0	8.7				
			CMAQ	Right-of-Way			227.4			
			SM				22.6			
			CMAQ	Utilities			181.9			
			SM				18.1			
			STP	Construction					600.4	
			SM						59.6	
Project Total					144.0	96.0	450.0	0.0	660.0	
30012	NFWHY00126	Cowles Street Reconstruction Reconstruct Cowles Street from 1st Avenue to through East Cowles to include sidewalk, drainage, intersection and illumination improvements. <i>50% local match / 50% state match. Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	STP	Design		285.1				
			SM			14.1				
			3PF			14.1				
			STP	Right-of-Way			66.8			
			SM				3.3			
			3PF				3.3			
			STP	Utilities					190.4	
			SM						9.5	
			3PF						9.5	
			STP	Construction					5,126.1	
			CMAQ						727.8	
			3PF						254.4	
			SM						326.7	
Project Total					0.0	313.3	73.4	6,644.4	0.0	
22765	Z616760000	Coordinators Office Funding for the Fairbanks Metropolitan Area Transportation System (FMATS) Coordinator's office which supports delivery of the FMATS program.	STP	Planning	102.3	102.3	102.3	102.3		
			PL		252.5	252.5	252.5	252.5		
			FAM		35.2	35.2	35.2	35.2		
			FAF				97.0	97.0		
			CONP		7.5	7.5	7.5	7.5		
Project Total					397.5	397.5	494.5	494.5	0.0	
3847-1	Z622070000	Fairbanks Cushman Street Bridge Rehabilitation or Replacement Repair or replace the Cushman Street Bridge. The bridge and adjoining roadway should be consistent with the Complete Street concept south of the Chena River and the parent Illinois Street project to the north.	STP	Utilities		9.1				
			SM	Utilities		0.9				
			AC	Construction				4,821.4		
			ACC						-4,821.4	
			STP						4,821.4	
			SM					478.6		
Project Total					0.0	10.0	0.0	5,300.0	0.0	
		Fairbanks Road/Rail Crossing Reduction/Realignment Plan	ILLU	Planning		500.0				
	The primary purpose of the PLAN is to serve as a long-range road/rail planning document. The PLAN will enable FMATS and its agency partners to implement a more efficient and effective approach to integrate passenger and freight rail elements into the larger multi-modal and intermodal transportation framework.									
Project Total					0.0	500.0	0.0	0.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

3 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
29673	NFHWY00006	FMATS Improvement Program	STP	Design	272.9	136.5			
19096		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. (SOA pays design match and local governments pay construction match, per agreement.) TAP funding through NID 30689	SM		27.1	13.5			
			BANK			1,029.9			
			3PF			102.2			
			TAP			654.3			
			3PF			163.6			
			ILLU				3,798.7		
			AC	Construction				2,274.3	
			3PF					225.7	
			ACC						-2,274.3
			STP		1,803.3	3,983.2			2,274.3
			FAF			198.3			
			3PF		179.0	415.1			
Project Total					2,282.3	6,696.6	3,798.7	2,500.0	0.0
30229	NFHWY00271	FMATS Intersection Improvement Program	STP	Design	109.2	60.0			
		Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FMATS boundary.	SM		10.8	6.0			
			STP	Utilities			2.5		
			SM				0.2		
			STP	Construction			322.0		
			3PF				32.0		
Project Total					120.0	66.0	356.7	0.0	0.0
30231		FMATS Safety and Efficiency Program							1,500.0
		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	1,500.0
30096	NFHWY00138	FMATS Sidewalk Improvement Program	CMAQ			255.3			
		This is an annual project. Fund projects that will improve connectivity, safety, mobility and access for pedestrians throughout the MPA.	STP	Design	209.2				
		Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.	SM		20.8	25.3			
			FAF		205.0				
			STP	Right-of-Way		68.2			
			SM			6.8			
			STP			189.2			
			ILLU	Utilities			130.0		
			SM			18.8			
			AC					1,819.4	
			3PF	Construction				180.6	
			ACC						-1,819.4
			STP						1,819.4
Project Total					435.0	563.6	130.0	2,000.0	0.0

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

4 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	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	Right-of-Way		166.5				
			SM			8.3				
			3PF			8.2				
			STP	Utilities		55.5				
			SM			2.8				
			3PF			2.7				
			AC	Construction		4,048.2				
			STP				3,734.3			
			ACC				-4,048.2			
			CMAQ				313.9			
			SM			216.5				
			3PF			185.3				
Project Total					0.0	4,694.0	0.0	0.0	0.0	
20816	Z632930000	Gold Hill Road Bicycle and Pedestrian Facility	STP	Construction	312.1					
		Widen the shoulders on Gold Hill Road to accommodate bicycles and pedestrians. Improvements will also include resurfacing the roadway, approach work, signing and striping.	SM		31.0					
Project Total					343.1	0.0	0.0	0.0	0.0	
6448		Green Streets Plan FMATS will develop a plan to identify and prioritize which streets within the urbanized area are in greatest need of green infrastructure for the management of storm water runoff, including specific design recommendations for each of those streets. Research of best management practices in a sub-arctic environment will also be included in the report.	PL	Planning		22.1				
			FAM			4.5				
			STP			23.3				
Project Total					0.0	50.0	0.0	0.0	0.0	
30029		Lacey Street Reconstruction	ILLU	All					16,474.0	
		Reconstruct Lacey Street from 1st Avenue to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping and landscaping.								
Project Total					0.0	0.0	0.0	0.0	16,474.0	
30105		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	289.3		122.8			
			3PF		28.7		12.2			
			ILLU	Utilities			800.0			
			ILLU						727.8	
			ILLU	Construction					514.0	
Project Total					318.0	0.0	935.0	0.0	1,241.8	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

5 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond	
6587	Z628380000	McGrath Rd Upgrade	STP	Right-of-Way	144.3					
		Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed. Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.	SM		14.3					
			STP	Utilities		527.6				
			SM			52.4				
			STP	Construction					5,094.3	
			ACC						-5,094.3	
			AC					5,094.3		
		SM					505.7			
Project Total					158.6	580.0	0.0	5,600.0	0.0	
30629	Z901350000	Metropolitan Transportation Plan	PL	Planning	34.4					
		Update the FMATS Metropolitan Transportation Plan, as required under 23 USC 134 considering the FAST Act's new planning factors and performance measures and targets.	SM		1.7					
		FAM	1.7							
Project Total					37.8	0.0	0.0	0.0		
31389	NFHWY00274	Minnie Street Upgrade	STP	Design			887.0		1,182.6	
		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	SM				44.0		58.7	
		3PF				44.0		58.7		
			STP	Right-of-Way					1,364.6	
			SM						67.7	
			3PF						67.7	
			STP	Utilities						909.7
			SM							45.2
			3PF							45.1
			STP	Construction						8,642.2
			SM							428.9
			3PF							428.9
Project Total					0.0	0.0	975.0	0.0	13,300.0	
17975	Z617250000	Noble Street Upgrade	STP	All		1,041.9				
		Reconstruct Noble St. from 1st Avenue to Gaffney Road.	FAF			253.8				
		SM			128.6					
Project Total					0.0	1,424.3	0.0	0.0	0.0	
30106	NFHWY00269	North Pole Streetlight Standardization	STP	Design	112.8	163.7				
		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.	3PF		11.2	16.3				
			STP	Right-of-Way			91.0			
			3PF				9.0			
			STP	Utilities				91.0		
			3PF					9.0		
			ILLU	Construction						1,286.0
Project Total					124.0	180.0	100.0	100.0	1,286.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

6 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond	
30100	NFHWY00158	Old Richardson Highway Intersection Improvements Analyze, design, and construct intersection and safety improvements with emphasis on safety for all users, road function, and quality of life. The intersections to be considered are Santa Claus Lane and E 5th Avenue and NPHS Boulevard at Old Richardson Highway and 8th Avenue however, the analysis and solution may be more far-reaching. The railroad crossing will also be brought to current standards under this project.	STP	Design			300.2			
			BANK		400.3					
			SM		39.7		29.8			
			STP	Right-of-Way				227.4		
			SM					22.5		
			STP	Utilities				91.0		
			SM					9.0		
Project Total			ILLU	Construction					3,000.0	
					440.0	0.0	330.0	349.9	3,000.0	
26568	Z616610000	Pedestrian Improvements - Stage I	STP	Construction	76.9					
		Construct new facilities to improve connectivity within the FMATS boundary on Wilbur Street, Davis Road Peger Road and Lathrop Street with possible mid-block crossing.	SM		7.6					
Project Total					84.5	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.	AC	Design		200.1				
			ACC				-200.1			
			STP		118.3		200.1			
			3PF		11.7	19.9				
			AC	Right-of-Way			4.5			
			ACC					-4.5		
			STP					4.5		
			3PF				0.5			
			3PF	Utilities			0.5			
			AC				4.5			
			ACC					-4.5		
			STP					4.5		
			AC	Construction					1,819.4	
			3PF					180.6		
			ACC						-1,819.4	
			STP						1,819.4	
Project Total					130.0	220.0	10.0	2,000.0	0.0	
26087	NFHWY00014	Tanana Loop and South Chandalar Drive Intersections Reconstruct the intersections of Tanana Loop/Alumni Drive/South Chandalar Drive; and Salcha Street/South Chandalar Drive including the portions of South Chandalar Drive between the intersections and up to Ambler Lane. Project will also include reconstructing the pedestrian facilities and construction of new pedestrian facilities on Alumni Drive, Tanana Loop, Salcha Street and South Chandalar Drive.	STP	Design	257.4					
			FAM		25.6					
			AC	Construction					2,428.0	
			ACC						-2,428.0	
			STP						2,428.0	
			FAM					241.0		
Project Total					283.0	0.0	0.0	2,669.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

7 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
30250		Transit Buses Purchase transit buses to replace buses purchased in 2007 that will reach their useful life in 2017. These buses are 29 foot Gillig buses that have a useful life of 10 years. <i>New transit vehicles to replace existing vehicles are eligible under CMAQ.</i>	STP	Construction	978.3				
			CMAQ		695.5				
			SM		69.0				
			3PF		97.1				
		Project Total			1,839.9	0.0	0.0	0.0	0.0
31032	NSHWY00266	Transition Plan	FAF	All	60.0				
		Develop and implement a transition plan to ensure the sustainability of FMATS as an MPO in good standing by analyzing its hosting structure and recommending a structure to see FMATS continue to thrive in the future. In addition, provide for transitional services in the event of employee turnover which may include wages for personnel.							
		Project Total			60.0	0.0	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>STP funds: 50% local match / 50% state match - CMAQ funds: 100% state match</i> <i>Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	BANK	Design	32.3	36.4			
			CMAQ		32.3				
			SM		6.4	3.6			
			CMAQ	Construction		329.7			
			AC			426.7			
			ACC				-426.7		
			STP				426.7		
			SM			75.1			
		Project Total			71.0	871.5	0.0	0.0	0.0
9939-2	NFHWY00139	Yankovich/Miller Hill Road Reconstruction and Multi-Use Path Reconstruct Miller Hill Road and Yankovich Road from Sheep Creek to Ballaine Road. Construct a side path from LARS to Ballaine Road and tie into the existing side path on Farmers Loop.	STP	Design		354.8			
			SM			35.2			
			STP	Right-of-Way			491.2		
			SM				48.8		
			STP	Utilities			664.3		
			SM				66.0		
			ACC	Construction					-4,159.1
			SM					412.9	
			STP						4,159.1
			AC					4,159.1	
		Project Total			0.0	390.0	1,270.3	4,572.0	0.0

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

8 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
Funding (Revenue) Summary									
		FMATS STP ALLOCATION (Federal)	STP		7,344.4	7,344.4	7,528.1	7,716.3	
		(Federal)	CMAQ		727.8	727.8	727.8	727.8	
		Planning funds	PL		297.9	274.6	252.5	252.5	
			BANK		2,683.6	1,066.3			
					11,053.7	9,413.1	8,508.4	8,696.6	
		<i>This shows the overall match required for the federal funds above.</i>							
		FMATS STP ALLOCATION (state & 3PF match)	Match		729.0	729.0	747.3	765.9	
		Match needed for all CMAQ funds	CMAQ-M		72.2	72.2	72.2	72.2	
		Match needed for all Planning funds	PL-M		29.6	28.0	25.1	25.1	
		Match needed for all Banking funds	BANK-M		266.4	105.8			
					1,097.2	935.0	844.6	863.2	
					12,150.9	10,348.1	9,352.9	9,559.8	
Funding (Revenue) Total									
Projected Obligations Summary									
		Fund Code Description	Fund Code		2017	2018	2019	2020	
Federal Summary									
		FMATS STP Allocation (federal)	STP		5,714.3	7,344.4	7,411.2	7,201.8	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	727.8	
		Planning Funds	PL		297.9	274.6	252.5	252.5	
		(federal)	BANK		2,241.8	1,066.3	0.0	0.0	
				<i>Federal Subtotal</i>	8,981.8	9,413.2	8,391.5	8,182.1	
		Advanced Construction	AC		0.0	4,675.0	9.0	23,825.9	
		Advance Construction Conversion(Payback)	ACC		0.0	0.0	-4,675.0	-9.0	
				<i>AC/ACC Subtotal</i>	0.0	4,675.0	-4,666.0	23,816.9	
Federal Match Summary									
		State Match	SM		448.7	639.7	233.2	1,832.6	
		Match contributions from local governments	3PF		343.1	927.4	101.5	1,067.5	
		FMATS Appropriation Match	FAM		100.6	39.7	35.2	276.2	
				<i>Match Subtotal</i>	892.4	1,606.8	369.9	3,176.3	
					9,874.2	11,020.0	8,761.4	11,358.4	
Other Summary									
		Transportation Alternative Program	TAP		0.0	654.3	0.0	0.0	
					0.0	654.3	0.0	0.0	
Illustrative Summary									
		Illustrative - Fund Place Holder	ILLU		0.0	500.0	4,728.7	0.0	
					0.0	500.0	4,728.7	0.0	
General Fund Summary									
		FMATS Appropriation Funds	FAF		265.0	452.1	97.0	97.0	
		City of North Pole Contribution	CONP		7.5	7.5	7.5	7.5	
				<i>TOTAL</i>	272.5	459.6	104.5	104.5	
				GRAND TOTAL	10,146.7	12,133.9	8,865.9	11,462.9	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

9 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
FTA Projects within FMATS Boundary									
Need ID	Project Description		Fund Code	Fund Type	FFY17	FFY18	FFY19	FFY20	
20997	Urbanized Area Formula Grant - FNSB		FTA	5307	750.0	1,155.1	1,155.1	1,155.1	
	Transit operating assistance.		Match		750.0	1,151.1	1,151.1	1,151.1	
	Project Total				1500.0	2306.2	2306.2	2306.2	
	Urbanized Area Formula - ARRC		FTA	5307	18.1	20.0	20.0	20.0	
	Associated transit improvements.		Match		1.9	5.0	5.0	5.0	
	Project Total				20.0	25.0	25.0	25.0	
	Urbanized Area Formula - ARRC		FTA	5307	211.0	200.0	200.0	200.0	
	Track rehabilitation		Match		53.0	50.0	50.0	50.0	
	Project Total				264.0	250.0	250.0	250.0	
	Urbanized Area Formula - ARRC		FTA	5307	130.0	200.0	200.0	200.0	
	Preventive Maintenance		Match		32.5	50.0	50.0	50.0	
	Project Total				162.5	250.0	250.0	250.0	
	Urbanized Area Formula - ARRC		FTA	5307		40.0	40.0	92.0	
	Dispatch Radio Modernization: Upgrade/repace dispatch radios		Match			10.0	10.0	23.0	
	Project Total				0.0	50.0	50.0	115.0	
	Transit Security - ARRC		FTA	5307	18.1	40.0	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		1.9	10.0	10.0	10.0	
	Project Total				20.0	50.0	50.0	50.0	
	Rural Transit - FNSB		ILLU	5311	200.0	200.0	200.0	200.0	
	Operational funding for the grey line		Match		50.0	50.0	50.0	50.0	
	Project Total				250.0	250.0	250.0	250.0	
	State of Good Repair - ARRC		FTA	5337	138.8	200.0	200.0	200.0	
	Preventive Maintenance		Match		13.7	50.0	50.0	50.0	
	Project Total				152.5	250.0	250.0	250.0	
	State of Good Repair - ARRC		FTA	5337		200.0	200.0	200.0	
	Track rehabilitation		Match			50.0	50.0	50.0	
	Project Total				0.0	250.0	250.0	250.0	
	State of Good Repair - ARRC		FTA	5337		40.0	40.0	92.0	
	Dispatch Radio Modernization: Upgrade/repace dispatch radios		Match			10.0	10.0	23.0	
	Project Total				0.0	50.0	50.0	115.0	
	Enhanced Mobility for Seniors and Individuals with Disabilities		FTA	5310	60.0	60.0	60.0	60.0	
	Funding for VanTran service.		FNSB		60.0	60.0	60.0	60.0	
	Project Total				120.0	120.0	120.0	120.0	
	Transit Maintenance Facility Expansion		ILLU	5339	10,000.0				
	Renovation and expansion of the transit maintenance facility.		FTA		12,800.0				
	Project Total		FNSB		3,200.0				
30251	Paratransit Vehicles - FNSB		FTA	5310		260.3			
	Purchase nine paratransit vans to replace vans that are currently 5 to 13 years old. The useful life of a paratransit van is 5 years.		Match			25.8			
	Project Total				0.0	286.1	0.0	0.0	
	Bus and Bus Facility Allocations - FNSB		FTA	5339	80.5	80.5	80.5	80.5	
	FFY09 Section 5309 E2009-BUSP-003		FNSB		20.1	20.1	20.1	20.1	
	Project Total				100.6	100.6	100.6	100.6	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

10 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
Illustrative FTA Projects within the FMATS Boundary									
Need ID	Project Description		Fund Code	Fund Type	FFY17	FFY18	FFY19	FFY20	
	Buses and Bus Facility Competitive Grant		ILLU	5339(b)	2,000.0				
			FNSB						
Project Total					2000.0	0.0	0.0	0.0	
NHS Projects Within FMATS Boundary									
Need ID	IRIS	Project Description / Funding Source	Fund Code	Phase	FFY17	FFY18	FFY19	After2019	
3843	Z640780000	Airport Way / Cushman Street Intersection Reconstruction							
		Reconstruct the intersection at Airport Way and Cushman Street.							
		Project Total			0.0	0.0	0.0	10,036.4	
29881		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.							
		Project Total			0.0	0.0	0.0	10,300.0	
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.							
		Project Total			0.0	0.0	0.0	8,300.0	
24518		Elliot Highway MP 0-12 Rehabilitation (Fox to Haystack) Rehabilitation, restoration and resurfacing. Also includes shoulder widening in selected areas.	NHPP	Utilities	454.9				
			SM		45.1				
			AC	Construction			27,896.9		
			SM				2,769.1		
		Project Total			500.0	0.0	30,666.0	27,896.9	
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.	AC	Construction		3,488.7			
			ACC				-3,488.7		
			SM			346.3			
			STP				3,488.7		
			STP	Utilities			93.4		
			ACC				-93.4		
		Project Total			0.0	3,835.0	0.0	0.0	
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.							
		Project Total			0.0	0.0	0.0	21482.0	
28069		Richardson Highway MP 359 Railroad Grade Seperated 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.							
		Project Total						44428.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

11 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
22441	Z625410000	Steese Highway and 3rd Street Widening	NHPP	Right-of-Way	4,821.4				
		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		478.6				
Project Total					5,300.0	0.0	0.0	15,300.0	
11899	Z614220000	Steese Highway/Johansen Expressway Area Traffic Improvements	GO Bond	Design					
		Right-of-Way							
		Utilities							
		Construction							
Project Total					0.0	0.0	0.0	0.0	
30150		Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane	ACC	Design	-129.4				
		Conduct a bypass lane and retaining wall at the Steese Highway north bound ramp to Chena Hot Springs Road	NHPP		129.4				
			NHPP	Right-of-Way		136.5			
			SM			13.5			
			NHPP	Construction		591.3			
			SM			58.7			
Project Total					0.0	800.0	0.0	0.0	
29829		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									
Project Total					0.0	0.0	0.0	36,074.0	
3821	Z632130000	University Avenue Widening	NHPP	Design	1819.4				
		Widen and reconstruct University Avenue to current standards. (NID's associated with this parent design project: NID 29655 & 29656)	SM		180.6				
Project Total					2000.0	0.0	0.0	0.0	
29655	Z632130000	University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)	AC	Construction		27,809.2			
		Widen and reconstruct University Avenue to current standards from Thomas Street to the Chena River, including replacement of University Ave Bridge #0263. (This is associated with the parent design project, NID 3821.)	ACC				-13,904.60		
		NHPP				13,904.60			
		SM			2,760.4				
Project Total					0.0	30569.6	0.0	13,904.6	
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. (This is associated with the parent design project, NID 3821)							
Project Total					0.0	0.0	0.0	22,000.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

12 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
Other Major Projects Within FMATS Boundary									
Need ID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	After2019	
26076		Aurora Drive- Noyes Slough Bridge Rehabilitate or replace bridge #209 on Aurora Drive in Fairbanks	STP	Design		227.4			
			SM			22.6			
			STP	Right-of-Way		227.4			
			SM			22.6			
			STP	Utilities		682.3			
			SM			67.7			
Project Total					0.0	1,250.0	0.0	7,500,000.0	
19217	NFWHY00096	HSIP: Badger Road Two Way Left Turn Lane	HSIP	Design	500.0				
		Utilities			150.0				
		Construction				19,130.0			
Project Total					500.0	150.0	19,130.0	0.0	
19217	Z772770000	HSIP: 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	
18923	Z607740000	PM: Farmers Loop Resurfacing		Construction	2,615.3				
		Resurface Farmers Loop Road including the separated path. Resurface University Avenue form the intersection with College Road to Thomas Street. Project will also include signs, striping, lighting, culverts, guardrail, signal modifications and permanent traffic recorder modifications.							
Project Total					2,615.3	0.0	0.0	0.0	
26080		Gold Mine Trail Road Upgrade Upgrade an pave approximately 4,750 feet of Gold Mine Trail and replace guardrail. Realign two 90 degree turns as it approached the Steese Highway with possible realignment of the intersection with the Steese.	3PF	Design	21.9				
			STP		445.3				
			ACC		-225.2				
			3PF	Utilities	9.0				
			STP		91.0				
			3PF	Construction		234.8			
			AC			2,365.2			
Project Total					342.0	2,600.0	0.0	2,747.3	
19217-2	Z634790000	HSIP: Fairbanks Danby-Wembley Roundabout	HSIP	Design	400.0				
		Right-of-Way		100.0					
		Construction		4,000.0					
Project Total					4,500.0	0.0	0.0	0.0	
19217-4	Z634670000	HSIP: Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts	HSIP	Design	300.0				
		HSIP	Utilities	60.0					
		HSIP	Construction		2,379.0				
Project Total					360.0	2,379.0	0.0	0.0	
26082	Z624870000	Old Steese Highway Reconstruction - GO Bond Reconstruct the Old Steese Highway from Wendell Avenue Bridge to, and including, the intersection at the Johansen Expressway.		Design		2,350.0			
				Right-of-Way		1,500.0			
				Utilities			2,300.0		
				Construction			16,000.0		
Project Total					0.0	3,850.0	18,300.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

13 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond	
25596		Rosie Creek Road Improvements	3PF	Design		42.9				
		Improve Rosie Creek Road from Chena Ridge to Becker Ridge, to include alignment, shoulder work, repair and overlay of pavement, and improving the intersection at Chena Ridge.	STP		545.8					
		ACC	-545.8		432.1					
		3PF	Right-of-Way		45.2					
		STP			454.9					
		3PF	Utilities		9.0					
		STP			91.0					
		3PF	Construction			546.9				
AC				5,509.1						
Project Total					0.0	1,075.1	6,056.0	6,056.0		
6359	Z632910000	Wendell Avenue Bridge	GO Bond	Design						
		Rehabilitate or replace the Wendell Street Bridge, widen sidewalks and provide pedestrian facilities along the north side under the bridge.		Right-of-Way						
		Utilities								
		Construction		14,000.0						
Project Total					14,000.0	0.0	0.0	0.0		
CMAQ PROJECTS										
Need ID	IRIS	Project Description / Funding Source	Phase	Fund Code	FFY17	FFY18	FFY19	After2019		
26161		Fairbanks Air Quality Planning Project	CMAQ	All	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	72.8			
Project Total					80.0	80.0	80.0	80.0		
29232		Committed Measures for the Fairbanks SIP	CMAQ-M	All	1,728.4	1,728.4	1,728.4			
		This project is to fund committed measures identified in the Fairbanks SIP that addresses the Fairbanks PM2.5 non-attainment.	SM		171.6	171.6	171.6			
Project Total					1,900.0	1,900.0	1,900.0	11,400.0		
18791		Statewide Congestion and Mitigation Air Quality	CMAQ	All	482.1	482.1	482.1			
		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.	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	7,060.0		
The above projects are in the 2016 - 2019 STIP. The following projects are sub-allocations from Need ID 29232 and Need ID 18791 and are exempt from conformity analysis. They are										
18791-16	Z607110000	FNSB SIP	CMAQ	All	430.0	430.0	430.0			
		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.								
Project Total					430.0	0.0	0.0	0.0		
18791-17	Z635830000	PM2.5 VMT and Classification Study	CMAQ	All	100.0					
		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.								
Project Total					100.0	0.0	0.0	0.0		

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds

FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #4
Draft 3.2.18

14 of 14

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
18791-18	Z617630000	Nor Reg 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.	CMAQ	All	3,300.0				
Project Total									
18791-1	Z607090000	FNSB Air Quality Education Development and implementation of a multi-media campaign, collection of survey/behaviorial 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	500.0				
Project Total									
18791-Z	Z63386	Fairbanks Area Signal Timing Upgrades Conduct a signal timing review to provide recommendations for signal coodination 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	3,530.0	3,530.0	3,530.0		
Project Total									
24756-10	Z604440000	Heavy Duty Diesel Anti-Idling Maintenance and Emission Project funding to support existing anti-idling pilot at DOT&PF by assisting with Telemetric purchase and installation. To expand anti-idling to other heavy duty vehicle fleets within the FNSB non-attainment area. Implement other vehicle emission reduction techniques through inspection and retrofit upgrades.	CMAQ	All	250.0				
Project Total									
29232-1	Z901410000	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.	CMAQ	All	1,900.0	1,900.0	1,900.0		
29232-2	Z901420000	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.							
Project Total									
18791-2	Z604580000	Hot Spot Guidance Program To provide updates of monitoring equipment on the Borough owned vehicle used for mobile sampling and analysis of PM2.5 measurements collected while driving routes in the non-attainment area. This will also include operation of this vehicle over a period of three years and the distribution of information to the public.	CMAQ	All	300.0				
Project Total									
26161	Z605660000	Fairbanks Air Quality Conformity Preparation of air quality conformity determinations for short and long term transportation plans and individual projects in the entire PM2.5 non-attainment area and carbon monoxide (CO) maintenance area within th eFairbanks North Star Borough, consisting of FMATS, the MPO for the Fairbanks urban area, and the associated "doughnut area" within the PM2.5 boundaries.	CMAQ	All	80.0	80.0			
Project Total									

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, ILLU: Illustrative, AC: Advance Construction, ACC: Adv. Constr. Conversion, FAM: FMATS Appropriation Match, FAF: Appropriation Funds