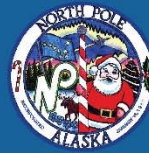


# FMATS



FAIRBANKS METROPOLITAN AREA TRANSPORTATION SYSTEM



**2019 – 2023**  
**Transportation Improvement Program**  
**Draft**  
**March 1, 2019**

# Draft 2019 – 2023 Transportation Improvement Program

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# FMATS DRAFT 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM

## 03.01.19

### INTRODUCTION

This is the Draft 2019 - 2023 Fairbanks Metropolitan Area Transportation System (FMATS) TIP. It was developed in direct coordination with projects and timelines listed in the 2045 Metropolitan Transportation Plan (MTP), the long range transportation plan for the Fairbanks and North Pole areas recently adopted by the FMATS Policy Board in January 2019.

The Draft TIP was reviewed on February 6, 2019 by the FMATS Technical Committee meeting, and approved on February 27, 2019 by the FMATS Policy Board for release for public review and comment. The TIP continues to be fiscally constrained, and a draft air quality conformity determination is included in this document.

The public comment period for the Draft FFY2019-2023 TIP and the air quality conformity determination is open from March 3 to April 3, 2019. Please direct requests, comments, and questions by email to [Jackson.fox@alaska.gov](mailto:Jackson.fox@alaska.gov), phone (907) 451-5415, or mail to FMATS, c/o Jackson Fox, 2301 Peger Road, Fairbanks, Alaska 99709.

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 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.

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 DRAFT 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM

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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

*FMATS* – Fairbanks Metropolitan Area Transportation System

*FTA* – Federal Transit Administration

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

*MPO* – Metropolitan Planning Organization

*M & O* - Maintenance and Operations

*PPP* – Public Participation Plan

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

*SIP* – State Implementation Plan

*TAP* – Transportation Alternative Program

*TCMs* – Transportation Control Measures

*TIP* –Transportation Improvement Program

### **SURFACE TRANSPORTATION FUNDING SOURCES**

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

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

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

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

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

**CMAQ (Congestion Mitigation/Air Quality)** – These funds are for projects that can be proven to reduce traffic congestion and/or improve air quality in federally designated non-attainment areas. Projects such as park and ride lots, transit bus replacement, vehicle inspection and maintenance

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program improvements, signal coordination, ride sharing, and paving for dust control qualify for these funds. The federal funds ratio varies and is either 90.97% or 100% depending upon the specific category of work.

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

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

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

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

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

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

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

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

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

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

## **Transit and Rail Fund Codes**

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

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

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

- **(5309BU)** New and replacement buses and facilities
- **(5309FG)** Modernization of existing rail and ferry systems

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- **(5309NS)** (New Starts) New fixed-guideway systems (including ferry systems)

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

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

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

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## FFY2019-2023 Transportation Improvement Program

### Draft Air Quality Conformity Determination

The Fairbanks Metropolitan Area Transportation System (FMATS) recently adopted a new Long Range Transportation Plan titled the 2045 Metropolitan Transportation Plan (2045 MTP). FMATS subsequently prepared a Short Range Transportation Plan titled the Draft FFY2019-2023 Transportation Improvement Program (FFY2019-2023 TIP) based on the projects and timelines listed in the 2045 MTP. An Air Quality Conformity Analysis was completed on the 2045 MTP, which found the following key determinations:

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

The Federal Highway Administration (FHWA) and Federal Transportation Administration (FTA) reviewed the Air Quality Conformity Analysis and approved the conformity determination on January 30, 2019. Since the new Draft FFY2019-2023 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 Draft FFY2019-2023 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, FMATS finds the Draft FFY2019-2023 TIP meets air quality conformity requirements.

An interagency consultation on this analysis will be performed with the Federal Highway Administration, Federal Transit Administration, U.S. Environmental Protection Agency, and the local air quality planning agencies – Alaska Department of Environmental Conservation and Fairbanks North Star Borough prior to the end of the public comment period.

The public comment period for the Draft FFY2019-2023 TIP and this air quality conformity determination is open from March 3 to April 3, 2019. The combined Draft document can be viewed at [www.fmats.us](http://www.fmats.us). Printed copies can also be made available upon request. Please direct requests, comments, and questions by email to [Jackson.fox@alaska.gov](mailto:Jackson.fox@alaska.gov), phone (907) 451-5415, or mail to FMATS, c/o Jackson Fox, 2301 Peger Road, Fairbanks, Alaska 99709.

**FMATS 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM  
Draft 03.01.19**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
TBD	TBD	<b>5th Avenue Reconstruction</b> Reconstruct 5th Avenue from Barnette to Noble Street to provide improved facilities for all users. Reconstruction includes ADA-compliant sidewalks and shoulders to accommodate bicyclists, wayfinding and bicycle route signs, and landscaping in accordance with FMATS "Complete Streets" Policy.	STP	Design		296.1		109.8			
			3PF			29.4	10.9				
			ACC					-109.8			
			AC				109.8				
			STP	Right-of-Way						27.3	
			3PF						2.7		
			ACC							-27.3	
			AC						27.3		
			STP	Utilities							409.4
			3PF						40.6		
			ACC							-409.4	
			AC						409.4		
			STP	Construction							1,547.7
			3PF							153.6	
			ACC								-1,547.7
AC								1,547.7			
<b>Project Total</b>					<b>0.0</b>	<b>325.5</b>	<b>120.8</b>	<b>480.0</b>	<b>1,701.3</b>	<b>0.0</b>	
TBD	TBD	<b>Airport West Bicycle &amp; Pedestrian Facility</b> Construct bicycle and pedestrian connection from the Fairbanks International Airport terminal to the neighborhoods west of the Airport and planned non-motorized facilities along Dale Road.	ILLU	All							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
21934	NFHWY00395	<b>Advanced Project Definition</b> Provide funding to the State and City to develop new estimates for TIP projects.	STP	Planning	91.0			91.0			
			FAM		9.0			9.0			
<b>Project Total</b>					<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	

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 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM  
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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
TBD	TBD	<b>Barnette Street Reconstruction</b> Reconstruct Barnette Street from 1st Avenue to Airport Way to include signal upgrades, decorative lighting, a dedicated bike lane, drainage improvements, intersection and sidewalk upgrades, utility relocation, signing and striping and landscaping. This project should be consistent with the Complete Streets concept of Cushman Street. <i>50% local match / 50% state match</i>	STP	Design		955.2			1,091.6			
			AC				1,091.6					
			ACC				-1,091.6					
			3PF			47.4		54.2				
			SM			47.4		54.2				
			STP	Right-of-Way							91.0	
			AC						91.0			
			ACC							-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				
<b>Project Total</b>					<b>0.0</b>	<b>1,050.0</b>	<b>0.0</b>	<b>1,200.0</b>	<b>100.0</b>	<b>13,100.0</b>		
TBD	TBD	<b>Bike Lane Striping &amp; Signing</b>	ILLU	All								
		Signing and striping of existing paved shoulders withing Fairbanks City Limits on City streets to accommodate bicyclists as designated bike lanes for seasonal use.										
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
26078	Z64062000	<b>Chena River Walk Stage III</b> 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. <i>Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	CMAQ	Design	277.5							
			FAM		27.5							
			CMAQ	Right-of-Way		2.3						
			FAM			0.2						
			CMAQ	Utilities		2.3						
			FAM			0.2						
			STP	Construction					1,580.2			
			FAM				156.9					
			ACC						-1,580.2			
			AC					1,580.2				
<b>Project Total</b>					<b>305.0</b>	<b>5.0</b>	<b>1,737.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30099	NFHWY00290	<b>College Road Bus Pullouts</b> 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	181.9						
			SM		18.1						
			CMAQ	Right-of-Way		227.4					
			SM			22.6					
			CMAQ	Utilities		181.9					
			SM			18.1					
			AC	Construction			600.4				
			ACC					-600.4			
			STP					600.4			
			SM					59.6			
<b>Project Total</b>					<b>200.0</b>	<b>450.0</b>	<b>660.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
30012	NFHWY00126	<b>Cowles Street Reconstruction</b> 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	2.3						
			FAF								
			SM		0.1						
			3PF		0.1						
			STP	Right-of-Way			227.0				
			AC			227.0					
			ACC				-227.0				
			SM			11.3					
			3PF		11.3						
			STP	Utilities			190.4				
			SM			9.5					
			3PF			9.5					
			STP	Construction						2,199.2	2,199.2
			CMAQ					727.8	727.8		
			3PF					254.4			
			SM					326.7			
			AC					5,126.1			
ACC							-2,926.9	-2,199.2			
<b>Project Total</b>					<b>2.5</b>	<b>249.5</b>	<b>209.4</b>	<b>6,435.0</b>	<b>0.0</b>	<b>0.0</b>	

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

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
22765	NFHWY00336	<b>Coordinators Office</b> 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	102.3		
			PL		274.6	274.6	274.6	274.6	274.6		
			FAM		37.4	37.4	37.4	37.4	37.4		
			FAF		10.0	10.0	10.0	10.0	10.0		
			CONP		7.5						
<b>Project Total</b>					<b>431.8</b>	<b>424.3</b>	<b>424.3</b>	<b>424.3</b>	<b>424.3</b>	<b>0.0</b>	
38471	Z622070000	<b>Cushman Street Bridge Rehabilitation</b> 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	Design		2.3					
			SM			0.2					
			AC	Construction				4,821.4			
			ACC						-2,410.7	-2,410.7	
			STP						2,410.7	2,410.7	
			SM					478.6			
<b>Project Total</b>					<b>0.0</b>	<b>2.5</b>	<b>0.0</b>	<b>5,300.0</b>	<b>0.0</b>	<b>0.0</b>	
TBD	TBD	<b>Fairbanks Road/Rail Crossing Reduction/Realignment Plan</b> The primary purpose of the PLAN is to serve as a long-range road/rail planning document. The PLAN will enable FMATS and its agency partners to implement a more efficient and effective approach to integrate passenger and freight rail elements into the larger multi-modal and intermodal transportation framework.	BANK	Planning	136.5						
			FAM		13.5						
			FAF		318.4						
			SM		31.6						
<b>Project Total</b>					<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
29673	NFHWY00346	<b>FMATS Improvement Program</b> Pavement surface maintenance, traffic control signal upgrades, street light load center rehab, storm drain maintenance, reclaim/double chip, seal coat, crack sealing, roadway striping, sidewalks, dust control, signage replacement and intersection upgrades. <i>State pays design match and local governments pay construction match, per agreement.</i>	STP	Design		2.3					
19096			SM			0.2					
			STP	Right-of-Way		2.3					
			SM			0.2					
			STP	Utilities		2.3					
			SM			0.2					
			AC	Construction	1,819.4						
			ACC			-1,819.4					
			STP			2,729.1					
	3PF		180.6		90.3						
<b>Project Total</b>					<b>2,000.0</b>	<b>1,007.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
30229	NFHWY00271	<b>FMATS Intersection Improvement Program</b> <small>Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FMATS boundary.</small>	STP	Design	2.3							
			SM		0.2							
			FAF									
						STP	Right-of-Way	2.3				
					SM	0.2						
						STP	Utilities	2.5				
						SM		0.2				
						STP	Construction	322.0				
						3PF		32.0				
<b>Project Total</b>					<b>361.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
TBD	TBD	<b>FMATS Safety and Efficiency Program</b> <small>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.</small>	ILLU	All								
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
30096	NFHWY00138	<b>FMATS Sidewalk Improvement Program</b> <small>This is an annual project. Fund projects that will improve connectivity, safety, mobility and access for pedestrians throughout the MPA. Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</small>	BANK	Design	255.3							
			STP									
			SM		25.3							
						STP	Right-of-Way		2.3			
						SM		0.2				
						STP	Utilities	9.1				
						SM		0.9				
						AC	Construction	1,074.7				
						3PF		221.4		90.3		
						ACC			-1,074.7			
						CMAQ				313.8	727.8	
						STP						
					1,155.5	760.9		181.9				
<b>Project Total</b>					<b>2,742.2</b>	<b>2.5</b>	<b>1,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
16104	Z637840000	<b>Gillam Way Reconstruction</b>	STP	Utilities	91.0						
		Reconstruct Gillam Way between Airport Way to 22nd Avenue including pedestrian and drainage improvements, utilities and traffic calming. 50% local match / 50% state match Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.	SM		4.5						
		3PF	4.5								
				STP	Construction	3,623.0	111.3				
			CMAQ	313.9							
			AC	111.3							
			ACC			-111.3					
			SM	278.3							
			3PF	278.3							
		FAF	1,559.4								
<b>Project Total</b>					<b>6,264.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
TBD	TBD	<b>Lacey Street Reconstruction*</b>	ILLU	All							
		Reconstruct Lacey Street from 1st to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping, and landscaping. *The FMATS Policy Board requests public input on priority of Lacey Street Reconstruction versus Nelson Road Widening. One or both of these projects may not be funded in the 2019-2023 TIP in order to maintain fiscal constraint.									
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
30105		<b>Lathrop Street Extension</b>	STP	Design		122.8					
		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.	3PF			12.2					
			STP	Utilities				727.8			
			AC					727.8			
			ACC					-727.8			
			3PF					72.2			
			STP	Construction					467.6		
			AC					467.6			
			ACC						-467.6		
	3PF						46.4				
<b>Project Total</b>					<b>0.0</b>	<b>135.0</b>	<b>1,314.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
6587	Z628380000	<b>McGrath Rd Upgrade</b> Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed.	STP	Utilities	527.6						
			SM		52.4						
			STP	Construction			5,094.3				
			ACC				-5,094.3				
			AC			5,094.3					
			SM			505.7					
<b>Project Total</b>					<b>580.0</b>	<b>5,600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
TBD	TBD	<b>Metropolitan Transportation Plan Update</b> Update FMATS Metropolitan Transportation Plan as required under 23 USC 134 (occurs every 4 years).	STP	Planning				150.0			
			SM				6.8				
			FAM				6.8				
			ACC					-150.0			
			AC				136.5				
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
31389	NFHWY00274	<b>Minnie Street Upgrade</b> Reconstruct Minnie Street from Erceg Street to the Old Steese Highway in accordance with the results of the Planning and Environmental Linkages study and approval of the Policy Board. Improvements may involve improving intersection geometries, upgrading sidewalks to meet ADA standards, storm drain system, utility relocations and rehabilitation or replacement of the Noyes Slough Bridge. <i>50% local match / 50% state match</i>	STP	Design	887.0			1,182.6			
			AC				1,182.6				
			ACC					-1,182.6			
			SM		44.0		58.7				
			3PF	44.0		58.7					
			STP	Right-of-Way					682.3	682.3	
			AC					1,364.6			
			ACC						-682.3	-682.3	
			SM					67.7			
			3PF				67.7				
			STP	Utilities						909.7	
			SM						45.2		
			3PF						45.2		
			ACC							-909.7	
			AC						909.7		
			STP	Construction						8,642.2	
			SM							428.9	
			3PF							428.9	
<b>Project Total</b>					<b>975.0</b>	<b>0.0</b>	<b>1,300.0</b>	<b>1,500.0</b>	<b>1,000.0</b>	<b>9,500.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
TBD	TBD	<b>Nelson Road Widening*</b> Construct a bicycle and pedestrian facility along Nelson Road by adding widened road shoulders. <i>*The FMATS Policy Board requests public input on priority of Lacey Street Reconstruction versus Nelson Road Widening. One or both of these projects may not be funded in the 2019-2023 TIP in order to maintain fiscal constraint.</i>	ILLU	All							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
TBD	TBD	<b>Non-Motorized Plan Update</b> Update FMATS Non-Motorized Plan (2012) to improve conditions for bicyclists and pedestrians with the Metropolitan Planning Area.	STP	Planning		91.0					
			SM			4.5					
			FAM			4.5					
<b>Project Total</b>					<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
30106	NFHWY00269	<b>North Pole Streetlight Standardization</b> Upgrade the streetlights in older subdivisions and illuminate several areas in the city currently not illuminated. Consolidate the streetlights on to one or a few circuits.	BANK	Design	163.7						
			3PF		16.3						
			STP	Right-of-Way				91.0			
			AC				91.0				
			ACC					-91.0			
			3PF				9.0				
			STP	Utilities					91.0		
			AC					91.0			
			ACC						-91.0		
			3PF					9.0			
			AC	Construction						1,169.9	
			3PF							116.1	
			STP								585.0
ACC								-585.0			
<b>Project Total</b>					<b>180.0</b>	<b>100.0</b>	<b>100.0</b>	<b>1,286.0</b>	<b>0.0</b>	<b>0.0</b>	
30100	NFHWY00158	<b>Old Richardson Highway Intersection Improvements</b> 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						
			SM		29.8						
			STP	Right-of-Way				2.3			
			SM					0.2			
			STP	Utilities					2.3		
			SM						0.2		
			AC	Construction						545.8	
			SM							54.2	
			STP								545.8
ACC								-545.8			
<b>Project Total</b>					<b>330.0</b>	<b>2.5</b>	<b>2.5</b>	<b>600.0</b>	<b>0.0</b>	<b>0.0</b>	

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NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30093	NFHWY00246	<b>Sign Replacement - Stage III</b> Replace signs in accordance with each entity's established sign management plans to meet the requirements of the MUTCD.	STP	Design		2.3					
			3PF			0.2					
			STP	Right-of-Way		2.3					
			3PF			0.2					
			STP	Utilities		2.3					
			3PF			0.2					
			AC	Construction			1,819.4				
			3PF				180.6				
			ACC					-1,819.4			
			STP					1,819.4			
<b>Project Total</b>					<b>0.0</b>	<b>7.5</b>	<b>2,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
26087	NFHWY00014	<b>Tanana Loop and South Chandalar Drive Intersections</b> Reconstruct the intersections of Tanana Loop/Alumni Drive/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	68.2						
			FAF								
			FAM		6.8						
			STP	Construction		2,428.0					
			FAM			241.0					
<b>Project Total</b>					<b>75.0</b>	<b>2,669.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
29969	NFHWY00137	<b>Wembley Avenue Improvements</b> Reconstruct Wembley Avenue from Aurora Drive to Danby Street and construct a pedestrian facility. <i>Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	CMAQ	Construction	136.4						
			ACC		-136.4						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
TBD	TBD	<b>Woll Road Resurfacing &amp; Widening</b> Resurface and widen Woll Road from Bradway Road to Ownby Road.	ILLU	All							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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99392	NFHWY00139	Yankovich/Miller Hill Road Reconstruction <small>Reconstruct Miller Hill Road and Yankovich Road from Sheep Creek to Ballaine Road, including widened shoulders on Yankovich Road.</small>	STP	Right-of-Way			491.2				
			SM			48.8					
			ACC				-491.2				
			AC			491.2					
			STP	Utilities				664.3			
			SM				66.0				
			ACC					-664.3			
			AC				664.3				
			ACC	Construction						-2,079.6	-2,079.6
			SM					412.9			
			STP						2,079.6	2,079.6	
			AC					4,159.1			
			<b>Project Total</b>					<b>0.0</b>	<b>540.0</b>	<b>730.3</b>	<b>4,572.0</b>

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<b>Funding (Revenue) Summary</b>										
		FMATS STP ALLOCATION (Federal)	STP		7,528.1	7,716.3	7,716.3	7,716.3	7,716.3	
		(Federal)	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning funds	PL		274.6	274.6	274.6	274.6	274.6	
			BANK		555.5					
					9,086.0	8,718.7	8,718.7	8,718.7	8,718.7	
		<i>This shows the overall match required for the federal funds above.</i>								
		FMATS STP ALLOCATION (state & 3PF match)	Match		747.3	765.9	765.9	765.9	765.9	
		Match needed for all CMAQ funds	CMAQ-M		72.2	72.2	72.2	72.2	72.2	
		Match needed for all Planning funds	PL-M		25.1	25.1	25.1	25.1	25.1	
		Match needed for all Banking funds	BANK-M		55.1					
					899.7	863.2	863.2	863.2	863.2	
					9,985.7	9,581.9	9,581.9	9,581.9	9,581.9	
<b>Funding (Revenue) Total</b>										
<b>Projected Obligations Summary</b>										
		<b>Fund Code Description</b>	<b>Fund Code</b>		<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	
<b>Federal Summary</b>										
		FMATS STP Allocation (federal)	STP		7,368.1	7,617.1	6,380.4	7,586.4	10,133.0	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.7	727.8	727.8	727.8	
		Planning Funds	PL		274.6	274.6	274.6	274.6	274.6	
		(federal)	BANK		555.5	0.0	0.0	0.0	0.0	
				<i>Federal Subtotal</i>	8,926.0	8,619.4	7,382.8	8,588.8	11,135.4	
		Advanced Construction	AC		3,005.4	5,903.5	7,379.6	18,715.2	2,548.3	
		Advance Construction Conversion(Payback)	ACC		-136.4	-3,005.4	-5,903.5	-7,393.1	-10,758.5	
				<i>AC/ACC Subtotal</i>	2,869.0	2,898.1	1,476.1	11,322.1	-8,210.1	
<b>Federal Match Summary</b>										
		State Match	SM		485.7	659.7	200.8	1,394.2	49.7	
		Match contributions from local governments	3PF		777.2	200.2	477.7	535.8	203.3	
		FMATS Appropriation Match	FAM		94.3	283.4	201.0	46.4	37.4	
				<i>Match Subtotal</i>	1,357.2	1,143.3	879.5	1,976.4	290.4	
					10,283.1	9,762.7	8,262.2	10,565.2	11,425.8	
<b>Illustrative Summary</b>										
		Illustrative - Fund Place Holder	ILLU		0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	0.0	0.0	0.0	
<b>General Fund Summary</b>										
		FMATS Appropriation Funds	FAF		1,887.8	10.0	10.0	10.0	10.0	
		City of North Pole Contribution	CONP		7.5	0.0	0.0	0.0	0.0	
				<i>TOTAL</i>	1,895.3	10.0	10.0	10.0	10.0	
				<b>GRAND TOTAL</b>	12,178.4	9,772.7	8,272.2	10,575.2	11,435.8	

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<b>FTA Projects within FMATS Boundary</b>											
Need ID	Project Description		Fund Code	Fund Type	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
20997	<b>Urbanized Area Formula Grant - FNSB</b>		FTA	5307	1,155.1	1,155.1					
	Transit operating assistance.		Match		1,151.1	1,151.1					
<b>Project Total</b>					<b>2306.2</b>	<b>2306.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	20.0	20.0					
	Associated transit improvements.		Match		5.0	5.0					
<b>Project Total</b>					<b>25.0</b>	<b>25.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	200.0	200.0					
	Track rehabilitation		Match		50.0	50.0					
<b>Project Total</b>					<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	200.0	200.0					
	Preventive Maintenance		Match		50.0	50.0					
<b>Project Total</b>					<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	40.0	92.0					
	Dispatch Radio Modernization: Upgrade/replace dispatch radios		Match		10.0	23.0					
<b>Project Total</b>					<b>50.0</b>	<b>115.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Transit Security - ARRC</b>		FTA	5307	40.0	40.0					
	Support for transportation infrastructure security activities to strengthen the nation's critical infrastructure against risks associated with potential terrorist attacks		Match		10.0	10.0					
<b>Project Total</b>					<b>50.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>MACS Fleet Transition to CNG</b>		FTA	5307	550.0	550.0	550.0	550.0	550.0		
	Transition the MACS fleet to Compressed Natural Gas		Match								
<b>Project Total</b>					<b>550.0</b>	<b>550.0</b>	<b>550.0</b>	<b>550.0</b>	<b>550.0</b>		
	<b>Rural Transit - FNSB</b>		ILLU	5311	0.0	0.0					
	Operational funding for the grey line		Match		0.0	0.0					
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>State of Good Repair - ARRC</b>		FTA	5337	200.0	200.0					
	Preventive Maintenance		Match		50.0	50.0					
<b>Project Total</b>					<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>State of Good Repair - ARRC</b>		FTA	5337	200.0	200.0					
	Track rehabilitation		Match		50.0	50.0					
<b>Project Total</b>					<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>State of Good Repair - ARRC</b>		FTA	5337	40.0	92.0					
	Dispatch Radio Modernization: Upgrade/replace dispatch radios		Match		10.0	23.0					
<b>Project Total</b>					<b>50.0</b>	<b>115.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Enhanced Mobility for Seniors and Individuals with Disabilities</b>		FTA	5310	60.0	60.0					
	Funding for VanTran service.		FNSB		60.0	60.0					
<b>Project Total</b>					<b>120.0</b>	<b>120.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
	<b>Transit Maintenance Facility Expansion</b>		ILLU	5339							
	Rennovation and expansion of the transit maintenance facility.		FTA								
			FNSB								
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		

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30251		<b>Paratransit Vehicles - FNSB</b>	FTA	5310						
		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. FY12 CMAQ Funds.	Match							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
		<b>Bus and Bus Facility Allocations - FNSB</b>	FTA	5339	80.5	80.5				
		FFY09 Section 5309 E2009-BUSP-003	FNSB		20.1	20.1				
<b>Project Total</b>					<b>100.6</b>	<b>100.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>Illustrative FTA Projects within the FMATS Boundary</b>										
Need ID	Project Description		Fund Code	Fund Type	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
	<b>Buses and Bus Facility Competitive Grant</b>		ILLU	5339(b)						
			FNSB							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
<b>NHS Projects Within FMATS Boundary</b>										
Need ID	IRIS	Project Description / Funding Source	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
3843	Z640780000	<b>Airport Way / Cushman Street Intersection Reconstruction</b>	AC	Right-of-Way		4,275.6				
		Reconstruct the intersection at Airport Way and Cushman Street.	SM			424.4				
			AC	Utilities		1,182.6				
			SM			117.4				
<b>Project Total</b>					<b>0.0</b>	<b>6,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12,806.2</b>
29881		<b>Airport Way Drainage</b>	NHPP	Design		545.8				
		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.	SM			54.2				
<b>Project Total</b>					<b>0.0</b>	<b>600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>9,700.0</b>
15685	Z618720000	<b>Airport Way (West) Improvements</b>								
		Construct intersection improvements along Airport Way between Dale Road and the Parks Highway. Project includes bicycle/pedestrian facilities along Hoselton Road to the Boat Street path.								
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>7000.0</b>
24518		<b>Elliot Highway MP 0-12 Rehabilitation (Fox to Haystack)</b>	ACC	Construction		-14,110.4				
		Rehabilitation, restoration and resurfacing. Also includes shoulder widening in selected areas.	NHPP			14,110.4				
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
25598	Z615970000	<b>Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path</b>		Construction						
		Construct a paved bicycle/pedestrian path on the Richardson Highway between MP 357 - 362, starting from the Richardson Highway/Airport Way intersection, continuing along the Richardson Highway to the Badger Loop North Bound Ramp, and terminating at the Badger Road/Old Richardson Highway intersection.								
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3835.0</b>

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2130	Z661480000	<b>Richardson Highway MP 353 - 357 Access/Safety Improvements</b>	AC	Construction	23,910.4						
		Improve access control on the Richardson Highway between approximate mileposts 353-357. This project will upgrade and extend the existing frontage road system, construct improved at-grade intersections, and eliminate a number of existing access approaches onto the Richardson Highway.	ACC			-23,910.4					
			NHPP			23,910.4					
			SM		1,689.6						
		<b>Project Total</b>			<b>25,600.0</b>	<b>-</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
28069		<b>Richardson Highway MP 359 Railroad Grade Separated Facility</b>	NHPP	Design		1,333.8					
		Construct grade-separated crossing at MP 359 of the Richardson Highway to reduce railroad/vehicle conflicts; improve connectivity with the Old Richardson Highway; and provide Fort Wainwright south gate access.	SM			94.2					
			NHPP	Right-of-Way		467.0					
			SM			33.0					
			NHPP	Utilities		909.7					
SM		90.3									
		<b>Project Total</b>			<b>0.0</b>	<b>2,928.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
22441	Z625410000	<b>Steese Highway and 3rd Street Widening</b>	AC	Construction		13,645.5					
		Reconstruct and widen 3rd Street between Hamilton/Farewell and the Minnie Street Bridge (#0295). Work will include turn lanes and signalization improvements at the New Steese Expressway intersection.	SM			1,354.5					
		<b>Project Total</b>			<b>0.0</b>	<b>15,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
11899	Z614220000	<b>Steese Highway/Johansen Expressway Area Traffic Improvements</b>	GO Bond	Design							
		Right-of-Way									
		Utilities									
		Construction									
		<b>Project Total</b>			<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
30150		<b>Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane</b>	NHPP	Construction	591.3						
		Conduct a bypass lane and retaining wall at the Steese	SM		58.7						
		<b>Project Total</b>			<b>650.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
29829		<b>Steese Expressway / Johansen Expressway Interchange</b>	NHPP	Design	1,886.7						
		Construct a grade separated interchange at the intersection of Steese Expressway and Johansen Expressway. Realign adjacent access as necessary to accommodate the selected interchange configuration	SM			187.3					
			NHPP	Right-of-Way		2,729.1					
			SM			270.9					
			NHPP	Utilities		909.7					
SM		90.3									
		<b>Project Total</b>			<b>2,074.0</b>	<b>4,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
31578	Z632130000	<b>University Ave Rehabilitation: Side Streets</b>	ILLU	All							
		Finish Halvorson, portions of Goldizen and Geraghty Avenue as well as advance utility relocations as part of the larger University Avenue Rehabilitation project. This project is associated with NIDs 31577, 29655, 29656, 31155, and the parent design project 3821.									
		<b>Project Total</b>			<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10,000.0</b>	

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31577	Z632130000	<b>University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)</b>	ILLU	All							
		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.)									
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0	18,000.0	
29656	Z632130000	<b>University Avenue Rehabilitation: Chena River to Parks Highway (Segment II)</b>	ILLU	All							
		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)									
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0	25,000.0	
<b>Other Major Projects Within FMATS Boundary</b>											
Need ID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
26076		<b>Aurora Drive- Noyes Slough Bridge</b>	ILLU	Construction							
		Rehabilitate or replace bridge #209 on Aurora Drive in									
<b>Project Total</b>					0.0					7,250.0	
19217	NFHWY00096	<b>HSIP: Badger Road Two Way Left Turn Lane</b> Upgrade Badger Road between Dennis Road and Hurst Road to accommodate a two way left turn lane. Accommodating the two way left turn lane may require road widening. Additional work will include signing, striping, drainage, and utilities.	HSIP	Design							
				Utilities							
				Construction	19,130.0						
<b>Project Total</b>					19,130.0	0.0	0.0	0.0	0.0		
19217	Z772770000	<b>HSIP: College Road Median Extension</b> Install a separate right turn lane for westbound traffic at the intersection of College Road/Old Steese Highway, and a new right turn lane creating dual rights for eastbound traffic at the intersection of College Road/Steese Expressway.	HSIP	Construction							
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0		
19217-2	Z634790000	<b>HSIP: Fairbanks Danby-Wembley Roundabout</b> Construct a single lane roundabout at the intersection of Danby Street and Wembley Avenue.	HSIP	Design							
				Right-of-Way							
				Construction							
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0		
19217-4	Z634670000	<b>HSIP: Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts</b> Construct roundabouts at the interchange ramp termini for the Steese Highway at Chena Hot Springs Road.	HSIP	Design							
				Utilities							
				Construction							
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0		
26082	Z624870000	<b>Old Steese Highway Reconstruction - GO Bond</b> Reconstruct the Old Steese Highway from Wendell Avenue Bridge to, and including, the intersenction at the Johansen Expressway.		Design							
				Right-of-Way							
				Utilities	2,300.0						
				Construction	16,000.0						
<b>Project Total</b>					18,300.0	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	
25596		<b>Rosie Creek Road Improvements</b> 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.	3PF	Design	42.9						
			ACC		-545.8						
			STP		977.9						
			3PF	Right-of-Way				45.2			
			STP					454.9			
			3PF	Utilities					9.0		
			STP						91.0		
			ILLU	Construction							
<b>Project Total</b>					<b>475.0</b>	<b>0.0</b>	<b>600.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6,056.0</b>	
6359	Z632910000	<b>Wendell Avenue Bridge</b> Rehabilitate or replace the Wendell Street Bridge, widen sidewalks and provide pedestrian facilities along the north side under the bridge.	GO Bond	Design							
				Right-of-Way							
				Utilities							
				Construction							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
<b>CMAQ PROJECTS</b>											
Need ID	IRIS	Project Description / Funding Source	Phase	Fund Code	FFY19	FFY20	FFY21	FFY22	FFY23		
		<b>Compressed Natural Gas Storage</b>				2,200.0					
		Storage of CNG at Transit Facility									
<b>Project Total</b>					<b>0.0</b>	<b>2200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
26161		<b>Fairbanks Air Quality Planning Project</b> The goal of this project is to update the local transportation model and EPA mobile source emissions model. Fairbanks is a newly designated PM <sub>2.5</sub> non-attainment area and also a CO Maintenance area. An up to date transportation model and EPA mobile source emission model are needed for on-going transportation and air quality planning activities in the community. This project will provide funding to conduct federally mandated Air Quality Conformity Analysis for all long and short term planning documentation.	CMAQ	All	72.8						
			SM		72.8						
<b>Project Total</b>					<b>80.0</b>						
29232		<b>Committed Measures for the Fairbanks SIP</b> This project is to fund committed measures identified in the Fairbanks SIP that addresses the Fairbanks PM <sub>2.5</sub> non-attainment.	CMAQ-M	All	1,728.4						
			SM		171.6						
<b>Project Total</b>					<b>1,900.0</b>						
18791		<b>Statewide Congestion and Mitigation Air Quality</b> The Department will work with DEC and appropriate local authorities to develop sub-allocations. Provide CMAQ funds to address non-attainment and maintenance measures in the Air Quality Statewide Improvement Program.	CMAQ	All	482.1						
			CMAQ-M		2,729.1						
			SM		318.8						
<b>Project Total</b>					<b>3,530.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
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 shown here for											

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18791-16	Z607110000	<b>FNSB SIP</b> Prepare a Fairbanks PM 2.5 Non-Attainment Area Statewide Implementation Plan (SIP). This project includes inventory development, data collection, analysis, modeling, identifying control measures and components that demonstrate attainment.	CMAQ	All	430.0					
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
18791-17	Z635830000	<b>PM2.5 VMT and Classification Study</b> To fund vehicle volume, classification, speed counts, and traffic counting equipment within the PM2.5 non-attainment area. Conduct a baseline study of local road VMT, as well as data analysis and reporting.	CMAQ	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
18791-18	Z617630000	<b>Nor Reg Signal Interconnect</b> To fund vehicle volume, classification, speed counts, and traffic counting equipment within the PM2.5 non-attainment area. Conduct a baseline study of local road VMT, as well as data analysis and reporting.	CMAQ	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
18791-1	Z607090000	<b>FNSB Air Quality Education</b> Development and implementation of a multi-media campaign, collection of survey/behavioral data to support outreach activities, analyzing and distributing monitoring information, rental and purchase and operations and maintenance costs of signs displaying current air quality concentrations and enhanced outreach to support improved air quality.	CMAQ	All						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
18791-Z	Z63386	<b>Fairbanks Area Signal Timing Upgrades</b> Conduct a signal timing review to provide recommendations for signal coordination and to integrate signal timing improvements. Priority will be given to NHPP routes and higher functional class corridors within the Fairbanks PM2.5 non-attainment area to promote travel efficiency and reduce delays, thereby reducing PM2.5 emissions.	CMAQ	All	3,530.0					
<b>Project Total</b>					<b>3,530.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
24756-10	Z604440000	<b>Heavy Duty Diesel Anti-Idling Maintenance and Emission</b> 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						
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
29232-1	Z901410000	<b>Carlson Center Motor Vehicle Plug-In</b> Installation of electrical plug-ins at the Carlson Center for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.	CMAQ	All	1,900.0					
29232-2	Z901420000	<b>Fairbanks &amp; North Pole Libraries &amp; Big Dipper Plug-Ins</b> Installation of electrical plug-ins at the Fairbanks Library, North Pole Library and the Big Dipper for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.								
<b>Project Total</b>					<b>1,900.0</b>					

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18791-2	Z604580000	<b>Hot Spot Guidance Program</b> 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						
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0	
26161	Z605660000	<b>Fairbanks Air Quality Conformity</b> 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 the Fairbanks 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						
<b>Project Total</b>					0.0	0.0	0.0	0.0	0.0	