

**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
21934	NFHWY00134	<b>Advanced Project Definition</b> Provide funding to the State and City to develop new estimates for TIP projects.	PL	Planning	11.0				
			FAM		11.0		9.0		
			STP		100.0		91.0		
<b>Project Total</b>					<b>122.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>
30095	NFHWY00268	<b>Airport Way Functional Features Analysis</b> 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.	STP	Planning	272.9				
			FAM		27.1				
<b>Project Total</b>					<b>300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
30011		<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.	STP	Design				1,364.6	
			3PF				67.7		
			SM				67.7		
			ILLU	All					
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,500.0</b>	<b>16,550.0</b>
3874	Z637680000	<b>Birch Hill Bicycle and Pedestrian Facility: FNSB</b> Construct a bike/pedestrian facility along Birch Hill Road to allow safe access to the Birch Hill Recreational Trail System.	STP	Design	32.5				
			SM		3.2				
			STP	Utilities	236.5				
			SM		23.5				
			BANK	Construction	1,809.2				
			STP			90.2			
SM	180.6	8.9							
<b>Project Total</b>					<b>2,285.5</b>	<b>99.1</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>	STP	Design	155.1				
			3PF		15.4				
			CMAQ			142.8	272.9		
			SM		14.2	27.1			
			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			
<b>Project Total</b>					<b>170.5</b>	<b>157.0</b>	<b>305.0</b>	<b>1,550.0</b>	<b>0.0</b>

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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	131.0	87.3	181.9			
			SM		13.0	8.7	18.1			
			CMAQ	Right-of-Way					227.4	
			SM					22.6		
			CMAQ	Utilities					181.9	
			SM						18.1	
			STP	Construction						600.4
SM							59.6			
<b>Project Total</b>					<b>144.0</b>	<b>96.0</b>	<b>200.0</b>	<b>450.0</b>	<b>660.0</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		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			
<b>Project Total</b>					<b>0.0</b>	<b>313.3</b>	<b>73.4</b>	<b>209.4</b>	<b>6,435.0</b>	
22765	Z616760000	<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		
			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		
<b>Project Total</b>					<b>397.5</b>	<b>397.5</b>	<b>494.5</b>	<b>494.5</b>	<b>0.0</b>	
3847-1	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.	AC	Construction				4,821.4		
			ACC						-4,821.4	
			STP					4,821.4		
			SM					478.6		
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5,300.0</b>	<b>0.0</b>	
		<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.	STP	Planning		136.5				
			FAM			13.5				
			FAF			318.4				
			SM			31.6				
<b>Project Total</b>					<b>0.0</b>	<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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29673	NFHWY00006	<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. (SOA pays design match and local governments pay construction match, per agreement.) TAP funding through NID 30689	STP	Design	272.9	136.5				
19096			SM		27.1	13.5				
			BANK	Construction			1,029.9			
			3PF				102.2			
			TAP				580.5			
			3PF				145.1			
			AC						1,819.4	
			ACC							-1,819.4
			STP				1,803.3	3,039.4		1,819.4
			FAF					198.3		
	3PF			179.0		180.6				
<b>Project Total</b>					<b>2,282.3</b>	<b>5,566.8</b>	<b>2,000.0</b>	<b>0.0</b>	<b>0.0</b>	
30229	NFHWY00271	<b>FMATS Intersection Improvement Program</b> Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FMATS boundary.	STP	Design	109.2	60.0				
			SM		10.8	6.0				
			STP	Utilities				2.5		
			SM					0.2		
			STP	Construction				322.0		
			3PF					32.0		
<b>Project Total</b>					<b>120.0</b>	<b>66.0</b>	<b>356.7</b>	<b>0.0</b>	<b>0.0</b>	
30231		<b>FMATS Safety and Efficiency Program</b> 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					1,500.0	
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,500.0</b>	
30096	NFHWY00138	<b>FMATS Sidewalk Improvement Program</b> 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.	CMAQ	Design		255.3				
			STP		209.2	181.9				
			SM		20.8	43.4				
			FAF		205.0					
			STP	Right-of-Way			31.8			
			SM				3.2			
			STP	Utilities				9.1		
			SM					0.9		
			ILLU					130.0		
			AC					1,819.4		
			3PF	Construction				180.6		
			ACC						-1,819.4	
			STP						1,819.4	
<b>Project Total</b>					<b>435.0</b>	<b>515.6</b>	<b>2,140.0</b>	<b>0.0</b>	<b>0.0</b>	

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16104	Z637840000	<b>Gillam Way Reconstruction</b> 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	Design		272.9					
			SM			13.5					
			3PF			13.5					
			STP	Right-of-Way		91.0					
			SM			4.5					
			3PF			4.5					
			STP	Utilities				91.0			
			SM					4.5			
			3PF					4.5			
			STP	Construction					3,623.0	111.3	
			AC						111.3		
			ACC								-111.3
			CMAQ							313.9	
SM							216.5				
3PF							185.3				
<b>Project Total</b>					<b>0.0</b>	<b>400.0</b>	<b>4,550.0</b>	<b>0.0</b>	<b>0.0</b>		
6448		<b>Green Streets Plan</b> 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					
<b>Project Total</b>					<b>0.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
30029		<b>Lacey Street Reconstruction</b> Reconstruct Lacey Street from 1st Avenue to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping and landscaping.	ILLU	All					16,474.0		
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>16,474.0</b>		
30105		<b>Lathrop Street Extension</b> 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
<b>Project Total</b>					<b>318.0</b>	<b>0.0</b>	<b>0.0</b>	<b>935.0</b>	<b>1,241.8</b>		

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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. Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.	STP	Right-of-Way	144.3					
			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			
<b>Project Total</b>					<b>158.6</b>	<b>0.0</b>	<b>580.0</b>	<b>5,600.0</b>	<b>0.0</b>	
30629	Z901350000	<b>Metropolitan Transportation Plan</b> 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.	PL	Planning	34.4					
			SM		1.7					
			FAM		1.7					
<b>Project Total</b>					<b>37.8</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. 50% local match / 50% state match	STP	Design			887.0		1,182.6	
			SM				44.0		58.7	
			3PF				44.0		58.7	
			STP	Right-of-Way						1,364.6
			SM						67.7	
			3PF	Utilities						67.7
			STP						909.7	
			SM						45.2	
			3PF	Construction						45.1
			STP						8,642.2	
			SM						428.9	
			3PF					428.9		
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>975.0</b>	<b>0.0</b>	<b>13,300.0</b>	
17975	Z617250000	<b>Noble Street Upgrade</b> Reconstruct Noble St. from 1st Avenue to Gaffney Road.	STP	All		1,041.9				
			FAF			253.8				
			SM			128.6				
<b>Project Total</b>					<b>0.0</b>	<b>1,424.3</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.	STP	Design	112.8	163.7				
			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		
<b>Project Total</b>					<b>124.0</b>	<b>180.0</b>	<b>100.0</b>	<b>100.0</b>	<b>1,286.0</b>	

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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			
			BANK		400.3					
			SM		39.7		29.8			
			STP	Right-of-Way					227.4	
			SM					22.6		
			STP	Utilities					91.0	
			SM						9.0	
			ILLU	Construction						3,000.0
<b>Project Total</b>					<b>440.0</b>	<b>0.0</b>	<b>330.0</b>	<b>350.0</b>	<b>3,000.0</b>	
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	118.3	304.7				
			3PF		11.7	30.3				
			STP	Right-of-Way				4.5		
			3PF					0.5		
			3PF					0.5		
			STP	Utilities				4.5		
			AC						1,819.4	
			3PF	Construction					180.6	
			ACC						-1,819.4	
			STP						1,819.4	
<b>Project Total</b>					<b>130.0</b>	<b>335.0</b>	<b>10.0</b>	<b>2,000.0</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	257.4		68.2			
			FAM		25.6		6.8			
			AC	Construction					2,428.0	
			ACC						-2,428.0	
			STP							
			FAM						241.0	
<b>Project Total</b>					<b>283.0</b>	<b>0.0</b>	<b>75.0</b>	<b>2,669.0</b>	<b>0.0</b>	
31032	NSHWY00266	<b>Transition Plan</b> 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.	FAF	All	60.0	10.0				
<b>Project Total</b>					<b>60.0</b>	<b>10.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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29969	NFHWY00137	<b>Wembley Avenue Improvements</b> <i>Reconstruct Wembley Avenue from Aurora Drive to Danby Street and construct a pedestrian facility. Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	BANK	Design	32.3	36.4				
			STP			13.6				
			CMAQ		32.3					
			SM		6.4	5.0				
			CMAQ		329.7	136.4				
			AC		136.4					
			ACC			-136.4				
			STP		290.3					
			SM		75.1					
<b>Project Total</b>					<b>71.0</b>	<b>886.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
9939-2	NFHWY00139	<b>Yankovich/Miller Hill Road Reconstruction and Multi-Use Path</b> <i>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.</i>	STP	Design		373.9				
			SM			37.1				
			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	
<b>Project Total</b>					<b>0.0</b>	<b>411.0</b>	<b>1,270.3</b>	<b>4,572.0</b>	<b>0.0</b>	

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<b>Funding (Revenue) Summary</b>									
		FMATS STP ALLOCATION (Federal)	STP			7,344.4	7,528.1	7,716.3	
		(Federal)	CMAQ			727.8	727.8	727.8	
		Planning funds	PL			274.6	252.5	252.5	
			BANK			1,066.3			
						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	747.3	765.9	
		Match needed for all CMAQ funds	CMAQ-M			72.2	72.2	72.2	
		Match needed for all Planning funds	PL-M			28.0	25.1	25.1	
		Match needed for all Banking funds	BANK-M			105.8			
						935.0	844.6	863.2	
						10,348.1	9,352.9	9,559.8	
<b>Funding (Revenue) Total</b>									
<b>Projected Obligations Summary</b>									
		<b>Fund Code Description</b>	<b>Fund Code</b>		<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	
<b>Federal Summary</b>									
		FMATS STP Allocation (federal)	STP			6,726.6	7,528.1	5,939.5	
		Congestion Mitigation/Air Quality	CMAQ			727.8	727.8	409.4	
		Planning Funds	PL			274.6	252.5	252.5	
		(federal)	BANK			1,066.3	0.0	0.0	
				<i>Federal Subtotal</i>		8,795.3	8,508.4	6,601.4	
		Advanced Construction	AC			136.4	3,750.1	19,732.3	
		Advance Construction Conversion(Payback)	ACC			0.0	-136.4	-3,750.1	
				<i>AC/ACC Subtotal</i>		136.4	3,613.7	15,982.2	
<b>Federal Match Summary</b>									
		State Match	SM			407.3	512.0	1,546.6	
		Match contributions from local governments	3PF			647.4	640.3	419.0	
		FMATS Appropriation Match	FAM			53.3	51.0	276.2	
				<i>Match Subtotal</i>		1,108.0	1,203.3	2,241.8	
						9,903.3	9,711.7	8,843.2	
<b>Other Summary</b>									
		Transportation Alternative Program	TAP			580.5	0.0	0.0	
						580.5	0.0	0.0	
<b>Illustrative Summary</b>									
		Illustrative - Fund Place Holder	ILLU			0.0	130.0	800.0	
						0.0	130.0	800.0	
<b>General Fund Summary</b>									
		FMATS Appropriation Funds	FAF			780.5	97.0	97.0	
		City of North Pole Contribution	CONP			7.5	7.5	7.5	
				<i>TOTAL</i>		788.0	104.5	104.5	
				<b>GRAND TOTAL</b>		11,271.8	9,816.2	8,947.7	

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**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
<b>FTA Projects within FMATS Boundary</b>									
Need ID	Project Description		Fund Code	Fund Type	FFY17	FFY18	FFY19	FFY20	
20997	<b>Urbanized Area Formula Grant - FNSB</b>		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	
	<b>Project Total</b>				<b>1500.0</b>	<b>2306.2</b>	<b>2306.2</b>	<b>2306.2</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	18.1	20.0	20.0	20.0	
	Associated transit improvements.		Match		1.9	5.0	5.0	5.0	
	<b>Project Total</b>				<b>20.0</b>	<b>25.0</b>	<b>25.0</b>	<b>25.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	211.0	200.0	200.0	200.0	
	Track rehabilitation		Match		53.0	50.0	50.0	50.0	
	<b>Project Total</b>				<b>264.0</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307	130.0	200.0	200.0	200.0	
	Preventive Maintenance		Match		32.5	50.0	50.0	50.0	
	<b>Project Total</b>				<b>162.5</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	
	<b>Urbanized Area Formula - ARRC</b>		FTA	5307		40.0	40.0	92.0	
	Dispatch Radio Modernization: Upgrade/repace dispatch radios		Match			10.0	10.0	23.0	
	<b>Project Total</b>				<b>0.0</b>	<b>50.0</b>	<b>50.0</b>	<b>115.0</b>	
	<b>Transit Security - ARRC</b>		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	
	<b>Project Total</b>				<b>20.0</b>	<b>50.0</b>	<b>50.0</b>	<b>50.0</b>	
	<b>Rural Transit - FNSB</b>		ILLU	5311	200.0	200.0	0.0	0.0	
	Operational funding for the grey line		Match		50.0	50.0	0.0	0.0	
	<b>Project Total</b>				<b>250.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	
	<b>State of Good Repair - ARRC</b>		FTA	5337	138.8	200.0	200.0	200.0	
	Preventive Maintenance		Match		13.7	50.0	50.0	50.0	
	<b>Project Total</b>				<b>152.5</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	
	<b>State of Good Repair - ARRC</b>		FTA	5337		200.0	200.0	200.0	
	Track rehabilitation		Match			50.0	50.0	50.0	
	<b>Project Total</b>				<b>0.0</b>	<b>250.0</b>	<b>250.0</b>	<b>250.0</b>	
	<b>State of Good Repair - ARRC</b>		FTA	5337		40.0	40.0	92.0	
	Dispatch Radio Modernization: Upgrade/repace dispatch radios		Match			10.0	10.0	23.0	
	<b>Project Total</b>				<b>0.0</b>	<b>50.0</b>	<b>50.0</b>	<b>115.0</b>	
	<b>Enhanced Mobility for Seniors and Individuals with Disabilities</b>		FTA	5310	60.0	60.0	60.0	60.0	
	Funding for VanTran service.		FNSB		60.0	60.0	60.0	60.0	
	<b>Project Total</b>				<b>120.0</b>	<b>120.0</b>	<b>120.0</b>	<b>120.0</b>	
	<b>Transit Maintenance Facility Expansion</b>		ILLU	5339	10,000.0				
	Renovation and expansion of the transit maintenance facility.		FTA		12,800.0				
			FNSB		3,200.0				
<b>Project Total</b>			<b>26,000.0</b>	<b>-</b>	<b>-</b>	<b>-</b>			
30251	<b>Paratransit Vehicles - FNSB</b>		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. FY12 CMAQ Funds.		Match			25.8			
	<b>Project Total</b>				<b>0.0</b>	<b>286.1</b>	<b>0.0</b>	<b>0.0</b>	
	<b>Bus and Bus Facility Allocations - FNSB</b>		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	
	<b>Project Total</b>				<b>100.6</b>	<b>100.6</b>	<b>100.6</b>	<b>100.6</b>	

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**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
<b>Illustrative FTA Projects within the FMATS Boundary</b>									
Need ID	Project Description		Fund Code	Fund Type	FFY17	FFY18	FFY19	FFY20	
	<b>Buses and Bus Facility Competitive Grant</b>		ILLU	5339(b)	2,000.0				
			FNSB						
<b>Project Total</b>					<b>2000.0</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	FFY17	FFY18	FFY19	After2019	
3843	Z640780000	<b>Airport Way / Cushman Street Intersection Reconstruction</b> Reconstruct the intersection at Airport Way and Cushman Street.							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10,036.4</b>	
29881		<b>Airport Way Drainage</b> 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.							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>10,300.0</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>8,300.0</b>	
24518		<b>Elliot Highway MP 0-12 Rehabilitation (Fox to Haystack)</b> 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		
<b>Project Total</b>					<b>500.0</b>	<b>0.0</b>	<b>30,666.0</b>	<b>27,896.9</b>	
25598	Z615970000	<b>Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path</b> 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		
<b>Project Total</b>					<b>0.0</b>	<b>3,835.0</b>	<b>0.0</b>	<b>0.0</b>	
2130	Z661480000	<b>Richardson Highway MP 353 - 357 Access/Safety Improvements</b> 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.							
<b>Project Total</b>					<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>21482.0</b>	
28069		<b>Richardson Highway MP 359 Railroad Grade Separated Facility</b> 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.							
<b>Project Total</b>								<b>44428.0</b>	

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**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond	
22441	Z625410000	<b>Steese Highway and 3rd Street Widening</b> 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.	NHPP	Right-of-Way	4,821.4					
			SM		478.6					
			<b>Project Total</b>				<b>5,300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>15,300.0</b>
11899	Z614220000	<b>Steese Highway/Johansen Expressway Area Traffic Improvements</b> Construct intersection improvements, access and pedestrian improvements to relieve congestion and improve traffic safety in the vicinity of the rapidly developing commercial area in Northeast Fairbanks in the vicinity of the Steese Expressway and the	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>			
30150		<b>Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane</b> Conduct a bypass lane and retaining wall at the Steese Highway north bound ramp to Chena Hot Springs Road	ACC	Design	-129.4					
			NHPP		129.4					
			NHPP	Right-of-Way		136.5				
			SM			13.5				
			NHPP	Construction		591.3				
			SM			58.7				
<b>Project Total</b>				<b>0.0</b>	<b>800.0</b>	<b>0.0</b>	<b>0.0</b>			
29829		<b>Steese Expressway / Johansen Expressway Interchange</b> 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								
<b>Project Total</b>				<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>36,074.0</b>			
3821	Z632130000	<b>University Avenue Widening</b> Widen and reconstruct University Avenue to current standards. (NID's associated with this parent design project: NID 29655 & 29656)	NHPP	Design	1819.4					
			SM		180.6					
<b>Project Total</b>					<b>2000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>		
29655	Z632130000	<b>University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)</b> 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.)	AC	Construction		27,809.2				
			ACC				-13,904.60			
			NHPP				13,904.60			
			SM			2,760.4				
<b>Project Total</b>				<b>0.0</b>	<b>30569.6</b>	<b>0.0</b>	<b>13,904.6</b>			
29656	Z632130000	<b>University Avenue Rehabilitation: Chena River to Parks Highway (Segment II)</b> 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>				<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>22,000.0</b>			

**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	Beyond
<b>Other Major Projects Within FMATS Boundary</b>									
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			
<b>Project Total</b>					<b>0.0</b>	<b>1,250.0</b>	<b>0.0</b>	<b>7,500,000.0</b>	
19217	NFWHY00096	HSIP: Badger Road Two Way Left Turn Lane Upgrade Badger Road between Dennis Road and Hurst Road to accommodate a two way left turn lane. Accommodating the two way left turn lane may require road widening. Additional work will include signing, striping, drainage, and utilities.	HSIP	Design	500.0				
				Utilities		150.0			
				Construction				19,130.0	
<b>Project Total</b>					<b>500.0</b>	<b>150.0</b>	<b>19,130.0</b>	<b>0.0</b>	
19217	Z772770000	HSIP: College Road Median Extension Install a separate right turn lane for westbound traffic at the intersection of College Road/Old Steese Highway, and a new right turn lane creating dual rights for eastbound traffic at the intersection of College Road/Steese Expressway.	HSIP	Construction	520.0				
<b>Project Total</b>					<b>520.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
18923	Z607740000	PM: Farmers Loop Resurfacing Resurface Farmers Loop Road including the separated path. Resurface University Avenue from the intersection with College Road to Thomas Street. Project will also include signs, striping, lighting, culverts, guardrail, signal modifications and permanent traffic recorder modifications.		Construction	2,615.3				
<b>Project Total</b>					<b>2,615.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
26080		Gold Mine Trail Road Upgrade Upgrade and 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			
<b>Project Total</b>					<b>342.0</b>	<b>2,600.0</b>	<b>0.0</b>	<b>2,747.3</b>	
19217-2	Z634790000	HSIP: Fairbanks Danby-Wembley Roundabout Construct a single lane roundabout at the intersection of Danby Street and Wembley Avenue.	HSIP	Design	400.0				
				Right-of-Way	100.0				
				Construction	4,000.0				
<b>Project Total</b>					<b>4,500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
19217-4	Z634670000	HSIP: Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts Construct roundabouts at the interchange ramp termini for the Steese Highway at Chena Hot Springs Road.	HSIP	Design	300.0				
				Utilities	60.0				
				Construction		2,379.0			
<b>Project Total</b>					<b>360.0</b>	<b>2,379.0</b>	<b>0.0</b>	<b>0.0</b>	
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		
<b>Project Total</b>					<b>0.0</b>	<b>3,850.0</b>	<b>18,300.0</b>	<b>0.0</b>	

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**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

NID	IRIS	Project Description	Fund Code	Phase	FFY17	FFY18	FFY19	FFY20	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			
			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						
<b>Project Total</b>					<b>0.0</b>	<b>1,075.1</b>	<b>6,056.0</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	14,000.0				
<b>Project Total</b>					<b>14,000.0</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	FFY17	FFY18	FFY19	After2019	
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	72.8	72.8		
			SM		7.2	7.2	72.8		
<b>Project Total</b>					<b>80.0</b>	<b>80.0</b>	<b>80.0</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	1,728.4	1,728.4		
			SM		171.6	171.6	171.6		
<b>Project Total</b>					<b>1,900.0</b>	<b>1,900.0</b>	<b>1,900.0</b>	<b>11,400.0</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	482.1	482.1		
			CMAQ-M		2,729.1	2,729.1	2,729.1		
			SM		318.8	318.8	318.8		
<b>Project Total</b>					<b>3,530.0</b>	<b>3,530.0</b>	<b>3,530.0</b>	<b>7,060.0</b>	
<i>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</i>									
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	430.0	430.0		
<b>Project Total</b>					<b>430.0</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 PM <sub>2.5</sub> non-attainment area. Conduct a baseline study of local road VMT, as well as data analysis and reporting.	CMAQ	All	100.0				
<b>Project Total</b>					<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	

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**FMATS 2017 - 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

**Amedment #5**

**Public Review Draft 5.16.18**

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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	3,300.0				
<b>Project Total</b>					<b>3,300.0</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	500.0				
<b>Project Total</b>					<b>500.0</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	3,530.0	3,530.0		
<b>Project Total</b>					<b>3,530.0</b>	<b>3,530.0</b>	<b>3,530.0</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	250.0				
<b>Project Total</b>					<b>250.0</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	1,900.0	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>	<b>1,900.0</b>	<b>1,900.0</b>	<b>11,400.0</b>	
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	300.0				
<b>Project Total</b>					<b>300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	
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	80.0	80.0			
<b>Project Total</b>					<b>80.0</b>	<b>80.0</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