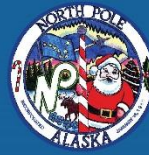


FMATS



FAIRBANKS METROPOLITAN AREA TRANSPORTATION SYSTEM



2015 – 2018

Transportation Improvement Program

Administrative Modification #1

Approved December 16, 2015

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #1 Approved 12.16.15

NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
CTP Funding Table												
30011		43.58	Barnette Street Reconstruction	---			2					2,500.0
			Reconstruct Barnette Street for 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.	---			3					100.0
				---			7					1,000.0
				---			4					14,350.0
			Project Total					0.0	0.0	0.0	0.0	17,950.0
30099		58.59	College Road Bus Pullouts	CMAQ			2			131.0		
			Install seven bus stop facilities at high-use locations along College Road in coordination with the MACS Transit System and the College Road Corridor Study from University Avenue to the Steese Expressway.	CTP			2				87.3	
				SM			2			13.0	8.7	
				CMAQ			3					136.5
				SM			3					13.5
				CMAQ			7					182.0
				SM			7					18.0
				---			4					660.0
			Project Total					0.0	0.0	144.0	96.0	1,010.0
13699	Z621640000	99	College Road Rehabilitation & Intersection Improvements: Fairbanks									
			Rehabilitate and repave College Road between University Avenue and MaryLeigh Avenue, including intersection improvements along the route.	CTP			4	187.2				
			(3 banking actions: \$590.2, \$1,748.8, \$70.5 = \$2,409.5)	BANK			4	2,409.5				
				SM			4	257.8				
				DEOB			4	228.8				
			\$4.5M for College set aside in SB 230	College			4	4,440.0				
			Project Total					7,523.3	0.0	0.0	0.0	0.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30012		60.34	Cowles Street Reconstruction: Fairbanks	CTP			2		293.2		195.5	
			Reconstruct Cowles Street from 1st Avenue to East Cowles to include sidewalk, drainage and illumination improvements. <i>50% local match / 50% state match</i>	SM			2		14.6		9.7	
			<i>City of Fairbanks</i>	3PF			2		14.5		9.7	
				CTP			3				47.6	
				SM			3				2.4	
			<i>City of Fairbanks</i>	3PF			3				2.4	
				---			7					209.3
				---			4					6,435.0
			Project Total					0.0	322.3	0.0	267.3	6,644.3
30103		30.68	Dennis Road Lighting Improvements	---			2					120.0
			Install street lights at the intersection of Dennis & Bradway Rd. and the intersection of Dennis & Old Richardson Hwy., in North Pole.	---			7					50.0
				---			4					212.0
			Project Total					0.0	0.0	0.0	0.0	382.0
3847.1	Z622070000	99	Fairbanks Cushman Street Bridge Replacement	CTP			7				9.1	
			Replace the Cushman Street Bridge. The bridge should be consistent with the Complete Street concept south of the Chena River and the parent Illinois Street project.	SM			7				0.9	
				---			4					10,900.0
			Project Total					0.0	0.0	0.0	0.0	10,900.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
22255			Fairbanks Rail Realignment	ILLU			2		10,500.0			
			The Alaska Railroad Corporation (ARRC) proposes to optimize the alignment of mainline and branch track within the Fairbanks Area to improve safety, customer response, and minimize transportation conflicts with the adjacent communities. A Memorandum of Understanding between the Fairbanks North Star Borough and ARRC is the guiding policy for implementing this project.	---								
				---			3					10,232.9
				---			3					1,015.7
				---			7					10,642.2
				---			7					1,056.4
				---			4					45,485.0
				---			4					4,515.0
			Project Total					0.0	10,500.0	0.0	0.0	72,947.2
21934	Z630330000	99	FMATS Advanced Project Definition	ILLU			2			40.0		40.0
			Provide funding to the State and City to develop new estimates for TIP projects.									
			Project Total							40.0		40.0
22765	Z616760000	99	FMATS Coordinators Office	CTP			8	102.3	102.3	102.3	102.3	
			Funding for the Fairbanks Metropolitan Area Transportation System (FMATS) Coordinator's office which supports delivery of the FMATS program.	PL			8	181.6	238.8	181.6	181.6	
				M381			8	28.2				
				M46			8		33.9	28.2	28.2	
				SB46			8	99.4	83.6			
			<i>City of North Pole monetary contribution</i>	CONP			8	7.5	7.5	7.5	7.5	
			Project Total					419.0	466.1	319.6	319.6	0.0
6448	Z642320000		FMATS Freight Mobility Plan	PL			8	257.4				
			Characterize the movement of freight within the MPA, identify deficiencies and make recommendations for future freight investments.	M381			8	25.6				
			Project Total					283.0	0.0	0.0	0.0	0.0
22815	Z619540000	99	FMATS Street Light Conversion-Stage III	DEOB			4	125.3				
			Upgrade approximately 212 HPS street lights to other appropriate lighting technology and replace up to 25 light poles as necessary within the UAF Campus. Grounding upgrades will occur to achieve code compliance.									
			Project Total					125.3	0.0	0.0	0.0	0.0
30093		31.41	FMATS Sign Replacement - Stage III	ILLU			2			200.0		200.0
			Replace signs in accordance with the City of Fairbanks' established sign management plan to meet the retroreflectivity requirements of the MUTCD.				4					1,200.0
			Project Total					0.0	0.0	200.0	0.0	1,400.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
16104	Z637840000	56.1	Gillam Way Reconstruction	CTP			2		454.9			
			Reconstruct Gillam Way between Airport Way to 22nd Avenue including pedestrian and drainage improvements, utilities and traffic calming. 50% local match / 50% state match	SM			2		22.6			
			City of Fairbanks	3PF			2		22.5			
				CTP			3			166.5		
				SM			3			8.3		
			City of Fairbanks	3PF			3			8.2		
				CTP			7			55.5		
				SM			7			2.8		
			City of Fairbanks	3PF			7			2.7		
				CTP			4				4,048.2	
				SM			4				200.9	
			City of Fairbanks	3PF			4				200.9	
			Project Total					0.0	500.0	244.0	4,450.0	0.0
30029		41.45	Lacey Street Reconstruction: Fairbanks	ILLU			2		1,500.0			2,500.0
			Reconstruct Lacey Street from 1st Avenue to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping and landscaping.	---			3					1,500.0
				---			7					500.0
				---			4					12,974.0
			Project Total					0.0	1,500.0	0.0	0.0	17,474.0
30105		40.87	Lathrop Street Extension	ILLU			2		318.0			453.0
			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.	---			7					800.0
				---			4					514.0
			Project Total					0.0	318.0	0.0	0.0	1,767.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
6587	Z628380000	49.6	McGrath Rd Upgrade: FNSB	CTP			2	241.1				
			Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed.	CMAQ			2	122.8				
				SM			2	36.1				
				CTP			3		454.9			
				SM			3		45.1			
				CTP			7		318.4			
				SM			7		31.6			
				CTP			4			4,990.6		
				CMAQ			4			103.7		
				SM			4			505.7		
			Project Total				400.0	850.0	5,600.0	0.0	0.0	
30097		55.3	Minnie Street Upgrade	CTP			2			887.0		2,275.0
			Rehabilitate Minnie Street from Erceg Street to the Old Steese Highway. Improvements including improving intersection geometries, upgrading sidewalks to meet ADA standards, storm drain system, utility relocations and rehabilitation or replacement of the Noyes Slough Bridge. Consideration should be given to incorporate bicycle facilities. 50% local match / 50% state	SM			2		44.0			
			<i>City of Fairbanks</i>	3PF			2		44.0			
				---			3					1,500.0
				---			7					1,000.0
				---			4					9,500.0
			Project Total				0.0	0.0	975.0	0.0	14,275.0	
17975	Z617250000	99	Noble Street Upgrade: Fairbanks									
			Reconstruct Noble St. from 1st Avenue to Gaffney Road. 50% local match / 50% state match	Bank			2	181.9				
				SM			2	9.0				
			<i>City of Fairbanks</i>	3PF			2	9.0				
			(2 banking requests: \$6,033.8 and \$1,523.8 = \$7,557.6)	Bank			4		7,786.8			
				CTP			4		1,935.2			
				CMAQ			4		131.0			
				ILLU			4					
				SM			4		905.9			
			<i>City of Fairbanks (remaining balance of match required per agreement)</i>	3PF			4		22.1			
<i>City of Fairbanks ROW donation</i>	ROW			4		50.0						
			Project Total				199.9	10,831.0	0.0	0.0	0.0	

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30100		47.71	North Pole Intersection Improvements	ILLU			2		440.0			740.0
			Analyze, design, and construct intersection and safety improvements with emphasis on pedestrian safety, road function, and quality of life. The intersections to be considered are Santa Claus Lane and E 5th Avenue and North Pole High School Boulevard at Old Richardson Highway and 8th Avenue. The railroad crossing will also be brought to current standards under this project.	---			3					250.0
				---			7					100.0
				---			4					3,000.0
			Project Total					0.0	440.0	0.0	0.0	4,090.0
30106		37.25	North Pole Streetlight Standardization	ILLU			2		100.0			280.0
			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. The project has four major areas of concentration: the city core, Highway Park, Ford and Morning Star Subdivisions.	---			3					100.0
				---			7					100.0
				---			4					1,267.0
			Project Total					0.0	100.0	0.0	0.0	1,747.0
30049		64.93	Old Steese Highway - Wendell Avenue Bridge to Trainer Gate Road Reconstruction	CTP			2					
			Reconstruct the Old Steese Highway between Wendell Avenue Bridge and Trainer Gate Road including improvements to bicycle and pedestrian facilities.	SM			2					
				CTP			3					
				SM			3					
				CTP			7					
				SM			7					
				---			4					
			Project Total					0.0	0.0	0.0	0.0	0.0
22095		21.99	Peridot Street Reconstruction	---			2					250.0
			Reconstruct Peridot Street from the Richardson Highway to City limits, approximately 0.21 miles, and pave. Provide street lights and bike/pedestrian facilities as funding allows.	---			4					1,250.0
			Project Total					0.0	0.0	0.0	0.0	1,500.0
30104		54.66	Phillips Field Road Guardrail Installation	ILLU			2		50.0			50.0
			Install approximately 1,000 feet of guardrail along Phillips Field Road between Fox Avenue and Pioneer Road.	---			7					20.0
				---			4					142.0
			Project Total					0.0	50.0	0.0	0.0	212.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
26087	NFHWHY00014	43.5	Tanana Loop and South Chandalar Drive Intersections	CTP			2	82.7		63.7		
			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.	M46			2	8.2		6.3		
				ILLU			2			193.7		
			<i>Illustrative Match (will use M46 when programmed)</i>	ILLU-M			2			19.3		
				---			4					2,428.0
				M46			4					241.0
			Project Total					90.9	0.0	283.0	0.0	2,669.0
30098		37.55	Wickersham Street Upgrades - Stage II	ILLU			2		500.0			1,500.0
			Upgrade Wickersham Street from 4 th to 6 th Avenue, Perry Street from 6 th to 8 th Avenue, and 4 th , 5 th , 6 th , 7 th , 8 th , and 9 th Avenue from Cowles to Barnette Street. Improve drainage, replace existing sidewalks, install new sidewalks where needed, and repave the roads. Utility upgrades may also be coordinated with this project.	---			3					60.0
				---			7					1,000.0
				---			4					7,700.0
			Project Total					0.0	500.0	0.0	0.0	10,260.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
Non-Motorized Project Table												
30095		26.66	Airport Way Beautification	ILLU			8		300.0			300.0
			Provide a general toolkit for DOT&PF project managers and engineers that provides options for consistently themed aesthetic roadway treatments including landscape and hardscape improvements. Evaluate pedestrian/bicycle encroachment risks along the corridor and feasibility of aesthetic treatments that consider right of way and operational constraints. Construct as funding allows.	---			4					250.0
Project Total								0.0	300.0	0.0	0.0	550.0
3874	Z637680000	37.8	Birch Hill Bicycle and Pedestrian Facility: FNSB	CTP			7	33.7				
			Construct a bike/pedestrian facility along Birch Hill Road to allow safe access to the Birch Hill Recreational Trail System.	SM			7	3.3				
				CTP			4		2,092.3			
				SM			4		207.8			
Project Total								37.0	2,300.1	0.0	0.0	0.0
26568	Z616610000		FMATS Pedestrian Improvements - Stage I	CMAQ			2	136.5				
			Construct new facilities to improve connectivity within the FMATS boundary on Wilbur Street, Davis Road Peger Road and Lathrop Street with possible mid-block crossing.	SM			2	13.5				
				CTP			4	1,896.7				
				CMAQ			4	468.5				
				SM			4	234.8				
Project Total								2,750.0	0.0	0.0	0.0	0.0
20816	Z632930000	42.9	Gold Hill Road Bicycle and Pedestrian Facility: FNSB	Bank			2	68.2				
			Widen the shoulders on Gold Hill Road to accommodate bicycles and pedestrians. Improvements will also include resurfacing the roadway, approach work, signing and striping.	SM			2	6.8				
				CTP			2		45.5			
				SM			2		4.5			
				CTP			4	2,911.0				
				Bank			4	454.9				
				SM			4	334.1				
Project Total								3,775.0	50.0	0.0	0.0	0.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30096-1		40.36	Loftus Road Pedestrian Improvements	ILLU			2		50.0			
			Investigate potential improvements to make crossing Loftus Road more comfortable for non-motorized users, particularly at Wood River Drive and Birch Lane and areas around University Park Elementary School and Effie Kokrine School.	---			3					
				---			7					
				---			4					
			Project Total						50.0			
30251		38.24	Paratransit Vehicles	CMAQ			8			409.4		450.0
			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.	SM			8			40.6		
			Project Total					0.0	0.0	450.0	0.0	450.0
10565	Z772480000	31.7	Plack Road Bike/Pedestrian Facility: FNSB	GO-P			4	3,000.0				
			Construct a bicycle and pedestrian facility along Plack Road from Badger Road to Nelson Road.									
			Project Total					3,000.0	0.0	0.0	0.0	0.0
26077	Z628360000	43.8	Steese Expressway to Front Street Bicycle/Pedestrian Path	Bank			3		18.2			
			Construct a bicycle/pedestrian path from the Steese Expressway separated path to Front Street.	M381			3		1.8			
				Bank			7	113.7				
				M381			7	11.3				
				CTP			4		247.3			
			<i>CMAQ 100% SM</i>	CMAQ			4		526.0			
				M381			4		18.3			
				SM					52.2			
				M46			4		6.2			
			Project Total					125.0	870.0	0.0	0.0	0.0
30250		36.46	Transit Buses	---			4					2,700.0
			Purchase six transit buses to replace buses purchased in 2007 that will reach their useful life in 2017. These buses are 29 foot Gillig buses that have a useful life of 10 years.									
			Project Total					0.0	0.0	0.0	0.0	2,700.0
29969		35.03	Wembley Avenue Pedestrian Improvements: Aurora Drive to Danby Street	CMAQ			2		118.3	127.4		
			Construct a pedestrian facility along the north side of Wembley Avenue from Aurora Drive to Danby Street. <i>CTP funds: 50% local match / 50% state match - CMAQ funds: 100% state match</i>	SM			2		11.7	12.6		
				CTP			4					
				CMAQ			4				722.3	
				SM			4				71.7	
			<i>City of Fairbanks</i>	3PF			4					
			Project Total					0.0	130.0	140.0	794.0	0.0

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FMATS Programs Table												
29673	NFWHY00006	na	FMATS Improvement Program	CTP			2	272.9			272.9	
19096			Pavement surface maintenance, traffic control signal upgrades, street light load center rehab, storm drain maintenance, reclaim/double chip, seal coat, crack sealing, roadway striping, dust control, signage replacement and intersection upgrades. (SOA pays design match and local governments pay construction match, per agreement.)	SM			2	27.1			27.1	
				Bank			4	1,182.6				
				Bank			4	322.4				
				CTP			4	1,438.6	1,245.8	714.9	1,798.1	
			(COF, CONP and FNSB)	3PF			4	292.2	123.7	70.9	178.5	
			Project Total					3,535.8	1,369.5	785.8	2,276.6	0.0
30229		na	FMATS Intersection Improvement Program	ILLU			2			200.0		
			Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FMATS boundary.	---			3					
				---			7					
				---			4					
			Project Total					0.0	0.0	200.0	0.0	
30231		na	FMATS Safety and Efficiency Program	CTP			2		111.0	77.3		
			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.	SM			2		11.0	7.7		
			Rehabilitate the undercrossing at the Chena River Bridge under Pecker Road to improve safety; other projects as identified	---			4					570.0
			Project Total					0.0	122.0	85.0	0.0	570.0
30096		na	FMATS Sidewalk Improvement Program	CTP			2		154.6	118.3		
			This is an annual project. Fund projects that will improve connectivity, safety, mobility and access for pedestrians throughout the MPA. Construct sidewalk improvements at the following locations: Cowles Street from 23rd to 29th Ave., Lathrop Street from Eagen Avenue to 16th Avenue) and Farmers Loop Road near Army Road. Include crossing improvements when feasible.	SM			2		15.4	11.7		
30096-1			Construct a sidewalk along the east side of Cowles from 23rd to 29th Ave.	CTP			7			113.7		
				SM			7			11.3		
				CTP			4				75.1	
30096-2			Install a crosswalk at York Avenue and update school signs to flashing school zone signs on Loftus Road.	3PF			4				757.8	
			Project Total					0.0	170.0	255.0	832.9	0.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
General Fund (GF) Project Table												
26078		49.4	Chena River Walk PH Stage III	---			4					3,460.5
			Continue expansion of the Chena River Walk to the north side of the Chena River with approximately 5,500 linear feet of pathway and up to three pedestrian bridges.									
			Project Total					0.0	0.0	0.0	0.0	3,460.5
25456	Z602600000	59.6	Chena Small Tracts Road Bicycle and Pedestrian Facility	---			4					
			Construct a bicycle and pedestrian facility to accommodate safer multi-modal travel along or adjacent to Chena Small Tracts Road.									
			Project Total					0.0	0.0	0.0	0.0	0.0
19098		99	Cushman, Barnette and Gaffney Upgrades: Fairbanks (Parent Project)									
			Reconstruct Cushman Street and Gaffney Road (complete). Work will include analyzing and upgrading traffic signals at intersecting roads, upgrading controller cabinets, improving site distance, ADA improvements, illumination and drainage improvements and possible one-way to two-way conversions for 2nd, 4th and 5th streets only. The scope will includes making Cushman a "Complete Street".	381			2	90.0				
			Note: NID 19097 Fire Station / Police Station Traffic Revision project is incorporated into this project and the Gaffney Road Reconstruction Project.									
	Z771940000		Cushman Street/Gaffney Road Reconstruction									
			Reconstruct Cushman Street and Gaffney Road. Work will include analyzing and upgrading traffic signals at intersecting roads, upgrading controller cabinets, improving site distance, ADA improvements, illumination and drainage improvements and possible one-way to two-way conversions for 2nd, 4th and 5th streets only. The scope will includes making Cushman a "Complete Street".	SB160			2	600.0				
			Funding in the DSR is different	SB46			4	2,236.7				
				SB160				167.4				
				SB230			4	947.7				
				GF-GC			4	4,890.0				
				381			4	1,357.0				
			Project Total					10,288.8	0.0	0.0	0.0	0.0
16205	Z637270000	60.8	South Cushman 15th to Mitchell: Sidewalk and Drainage Improvements	381			4	90.0				
			Construct drainage improvements along the route and reconstruct the sidewalks on the west side of South Cushman from the end of the NHS project influence to the Mitchell Expressway. Reconstruct the sidewalks on the west side of South Cushman and relocate the duct bank currently located within the sidewalk.	SB230			4	93.0				
				SB46			4	130.0				
				SB160			4	171.6				
			Project Total					484.6	0.0	0.0	0.0	0.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
9939	Z767070000	34	Yankovich / Miller Hill Rd Multi-Use Path: FNSB Stage I and II	SB160			4	1,050.0				1,000.0
			Construct a separated bicycle / pedestrian trail along Yankovich and Miller Hill Roads in the Farmers Loop / University of Alaska area.	SB230			4	861.2				
Project Total								1,911.2				1,000.0

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NID	IRIS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond	
Funding (Revenue) Summary													
			FMATS CTP ALLOCATION (federal)	CTP				7,344.4	7,344.4	7,344.4	7,344.4		
			(federal)	CMAQ				727.8	727.8	727.8	727.8		
			Planning funds	PL				439.0	238.8	181.6	181.6		
				BANK				4,733.2	8,107.5	----	----		
								<i>Federal Subtotal</i>					
			<i>This shows the overall match required for the federal funds above.</i>						13,244.4	16,418.5	8,253.8	8,253.8	
			FMATS CTP ALLOCATION (state & 3PF match)	Match				729.0	729.0	729.0	729.0		
			Match needed for all CMAQ funds	CMAQ-M				72.2	72.2	72.2	72.2		
			Match needed for all Planning funds	PL-M				43.6	23.7	18.0	18.0		
			Match needed for all Banking funds	BANK-M				469.8	804.8	----	----		
			ROW donation from City of Fairbanks in lieu of match	ROW				----	50.0	----	----		
								<i>Match Subtotal</i>					
								1,314.6	1,679.7	819.2	819.2		
								Funding (Revenue) Total					
								14,559.0	18,098.2	9,073.0	9,073.0		
Projected Obligations Summary													
Federal Projects Summary													
			FMATS CTP ALLOCATION (federal)	CTP				7,166.2	7,455.4	7,298.9	6,627.0		
			PROJECTS PROGRAMMED TO FMATS CMAQ	CMAQ				727.8	775.3	771.5	722.3		
			Planning Funds	PL				439.0	238.8	181.6	181.6		
			(federal)	BANK				4,733.2	7,805.0	0.0	0.0		
								<i>Federal Subtotal</i>					
			<i>This shows the detailed listing of all match sources being used to match fed funds above.</i>						13,066.2	16,274.5	8,252.0	7,530.9	
			State Match	SM				922.5	1,322.4	658.6	320.5		
			Match contributions from local governments	3PF				301.2	182.8	125.8	1,149.3		
			381 LOCAL MATCH	M381				65.1	20.1	0.0	0.0		
			SB46 LOCAL MATCH	M46				8.2	40.1	34.5	28.2		
			NOBLE ROW DONATION	ROW				0.0	50.0	0.0	0.0		
								<i>Match Subtotal</i>					
								1,297.0	1,615.4	818.9	1,498.0		
								Projected Federal Obligation Total					
								14,363.2	17,889.9	9,070.9	9,028.9		
								Remaining FMATS Funding (federal and match)					
								195.8	208.3	2.1	44.1		
GF Projects Summary													
			GENERAL FUND TOTAL	GF				0.0	0.0	0.0	0.0		
			SB230 College Road allocation (\$4,500.0)	College				4,440.0	0.0	0.0	0.0		
			General Fund (\$ 5,089.0) HB 381	381				1,537.0	0.0	0.0	0.0		
			General Fund for Gaffney/Cushman (\$6,250.0)	GF-GC				4,890.0	0.0	0.0	0.0		
			Plack GO Bond 2012 (\$5,000,000)	GO-P				3,000.0	0.0	0.0	0.0		
			SB 230 - FFY11 Capital Budget (\$5,000.0)	SB230				1,901.9	0.0	0.0	0.0		
			FFY12 GF Appropriation (\$5,000.0)	SB46				2,466.1	83.6	0.0	0.0		
			FFY13 GF Appropriation (\$7,500.0)	SB160				1,989.0	0.0	0.0	0.0		
			City of North Pole Contribution	CONP				7.5	7.5	7.5	7.5		
								<i>GF Total</i>					
								20,231.5	91.1	7.5	7.5		
								GRAND TOTAL FMATS AREA PROJECTED OBLIGATIONS (Federal and GF)					
								34,594.7	17,981.0	9,078.4	9,036.4		

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FTA Projects within FMATS Boundary								
Fund Type	Program	Need ID	Project Description	Fund Code	FFY15	FFY16	FFY17	FFY18
5307	UZA	20997	Urbanized Area Formula Grant - FNSB	FTA	576.8	737.5	737.5	737.5
			Transit operating assistance.	Match	576.8	737.5	737.5	737.5
			Project Total		1153.6	1475.0	1475.0	1475.0
5307	UZA		Urbanized Area Formula Rail Tier - ARRC					
			Associated transit improvements.	FTA	18.1	18.1	18.1	18.1
				Match	1.9	1.9	1.9	1.9
			Project Total		20.0	20.0	20.0	20.0
5307	UZA		Urbanized Area Formula - ARRC	FTA	200	100	211.0	200.0
			Track rehabilitation	Match	50	25	53.0	50.0
			Project Total		250.0	125.0	264.0	250.0
5311	UZA		Rural Transit - FNSB	ILLU	250.0	250.0	250.0	250.0
			Operational funding for the grey line	Match	250.0	250.0	250.0	250.0
			Project Total		500.0	500.0	500.0	500.0
5337	UZA		State of Good Repair - ARRC	FTA	136.3	137.6	138.8	121
			Preventive Maintenance	Match	13.5	13.7	13.7	24.0
			Project Total		149.8	151.3	152.5	145.0
5337	UZA		Track Rehabilitation - ARRC	FTA	100.0	100.0	100.0	100.0
			Track rehabilitation	Match	25.0	25.0	25.0	25.0
			Project Total		125.0	125.0	125.0	125.0
5307	UZA		Transit Security - FY15 - ARRC	FTA	18.1	18.1	18.1	18.1
			Support for transportation infrastructure security activities to strengthen the nation's critical infrastructure against risks associated with potential terrorist attacks	Match	1.9	1.9	1.9	1.9
			Project Total		20.0	20.0	20.0	20.0
5339	UZA		Bus and Bus Facility Allocations - FNSB	FTA	240.1	80.5	80.5	80.5
			FFY09 Section 5309 E2009-BUSP-003	FNSB	48.0	20.1	20.1	20.1
			Project Total		288.1			

Illustrative FTA Projects within the FMATS Boundary

Fund Type	Program	Need ID	Project Description	Fund Code	FFY15	FFY16	FFY17	FFY18
5307	ILLU		Transit Maintenance Facility Expansion	ILLU		20000.0		
			Project Total			20000.0		

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NHS Projects Within FMATS Boundary										
Need ID	IRIS	Highway	Location	Project Description / Funding Source	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
3843	Z640780000	Airport Way	Fairbanks	Airport Way / Cushman Street Intersection Reconstruction	2	ILLU			626.2	
				Reconstruct the intersection at Airport Way and Cushman Street.	2	SM			62,163.0	
					3	ILLU				1,137.1
					3	SM				112.9
					7	ILLU			682.3	
					7	SM			1,438.4	1,250.0
Project Total									64,909.9	2,500.0
29881				Airport Way Drainage	2	NHPP/SM				1,150.0
				Airport Way drainage improvements						
Project Total										1,150.0
15685	Z618720000	Airport Way	Fairbanks	Airport Way (West) Improvements	2	STP/SM				
				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.	3	NHPP/SM				
					7	NHPP/SM				
					4	ILLU/SM			8,300.0	
					7					0.0
					7					0.0
Project Total									8,300.0	
18923	Z632780000		Fairbanks	Airport Way Preventive Maintenance - Stage II	2	NHS/SM			0.7	
				Resurface Airport Way and adjoining frontage roads from Peger Road to Hoselton Road. Replace or improve roadside appurtenances as needed.	4	NHS/SM				6.2
Project Total									0.7	6.2
24518				Elliot Highway MP 0-12 Rehabilitation (Fox to Haystack)	4	ILLU/SM			30,666.0	
				Rehabilitation, restoration and resurfacing. Also includes shoulder widening in selected areas.	7	NHPP/SM		500.0		
Project Total								500.0	30,666.0	
25598	Z615970000	Richardson	Fairbanks	Richardson Highway MP 357 - 362 Bicycle/Pedestrian Path	4	STP/SM		187.1		2,647.9
				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.	4	AC		2,647.9		
					4	ACC				-2,647.9
					7	STP/SM		6.6		93.4
					7	AC		93.4		
					7	ACC				-93.4
Project Total								2,935.0		0.0
60552	Z618720000	Richardson	Fairbanks	Richardson Highway New Weigh Station	2	SFGL		200.0		
				New weighing system facility to facilitate simultaneous axle group and gross weight indications for truck weight enforcement. Project is an essential highway improvement for general mobility and will facilitate the construction logistics of the Alaska Natural Gas Pipeline. Includes Bridge No. 1959 Badger Loop Undercrossing.	3					
					7	SFGL		100.0		
					4	SFGL		15,575.0		
Project Total								15,875.0		

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NHS Projects within the FMATS Boundary										
Need ID	IRIS	Highway	Location	Project Description	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
2130	Z661480000	Richardson	Fairbanks	Richardson Highway MP 353 - 357 Access/Safety Improvements	2	NHPP/SM				
				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.	3	NHPP/SM			1,055.0	
					7	NHPP/SM			500.0	
					4	NHPP/SM			19,785.0	
Project Total									21340.0	
28069				Richardson Highway MP 359 Railroad Grade Separated Facility	2	NHPP/SM				750.0
				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.	2	NHPP/SM				
Project Total										750.0
22441	Z625410000	Steese	Fairbanks	Steese Highway and 3rd Street Widening	2	NHPP/SM		600.0		455.0
				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.	2	NHPP/SM				45.0
					3	NHPP/SM				
					7	NHPP		500.0		
					4	NHPP/SM			12,865.0	
Project Total								1,100.0	12,865.0	500.0
11899	Z614220000	Steese/ Johansen	Fairbanks	Steese Highway/Johansen Expressway Area Traffic Improvements	2			1,250.0		
				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 Johansen Expressway. This project contributes to the State's mission by reducing injuries, fatalities, and property damage and by improving the mobility of people and goods (Proposed State Funds in GO Bond)	3	GO Bond				
					7	GO Bond				
					4	GO Bond				
Project Total								1250.0		
30150				Steese Highway MP 4.5 (CHSR) Off-Ramp Bypass Lane	4	NHPP/SM		650.00		
				Conduct a bypass lane and retaining wall at the Steese Highway north bound ramp to Chena Hot Springs Road						
Project Total								650.0		
29829		Steese/ Johansen	Fairbanks	Steese Expressway / Johansen Expressway Interchange	2	NHPP/SM			1,000.0	
				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	3	NHPP/SM			2,000.0	
					7	NHPP/SM			1,000.0	
					4					
Project Total									4,000.0	

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NHS Projects within the FMATS Boundary										
Need ID	IRIS	Highway	Location	Project Description	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
3821	Z632130000		Fairbanks	University Avenue Widening	2	NHPP/SM				3,500.0
				Widen and reconstruct University Avenue to current standards. (NID's associated with this parent design project: NID 29655 & 29656)	3	NHPP/SM				4,200.0
					7	NHPP/SM		4,000		
Project Total								4000.0		7700.0
29655	Z632130000		Fairbanks	University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)	4	ILLU				11,098.3
				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.)	4					14800
					4	BOND				
					4	SM				27000.0
Project Total							0.0	0.0	0.0	52898.3
29656	Z632130000		Fairbanks	University Avenue Rehabilitation: Chena River to Parks Highway (Segment II)	7					6,000.0
				Widen and reconstruct University Avenue to current standards from the Chena River to the Parks Highway. (This is associated with the parent design project, NID 3821)						
Project Total										6000

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Other Major Projects Within FMATS Boundary											
Need ID	IRIS	Area	Project Description	Fund Code	Phase	FFY15	FFY16	FFY17	FFY18	Beyond	
26076		Fairbanks	Aurora Drive- Noyes Slough Bridge (#0209) Rehabilitation or Replacement	STP	2		454.9	227.4		6,822.80 677.3	
			Rehabilitate or replace bridge #209 on Aurora Drive in Fairbanks	SM	2		45.2	22.6			
				STP	3				227.4		
				SM	3				22.6		
				ILLU	4						
				SM	4						
			Project Total				500.0	250.0	250.0	7,500.1	
19217	Z772770000	Fairbanks	College Road Right Turn Lanes	HSIP	2					7,500.1	
			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.		3						
					7			150.0			
				HSIP	4				1,000.0		
			Project Total					150.0	1,000.0		
19217	Z628540000	Fairbanks	College/Antoinette/Margaret Ave. Intersection Reconstruction	HSIP	2					7,500.1	
			Reconstruct intersection to align Margaret Avenue with Antoinette Avenue, construct left turn lanes on College Road and replace existing traffic signals. HSIP Project		3						
				HSIP	4	1,800.0					
			Project Total			1,800.0	0.0				
26161		Fairbanks	Fairbanks Air Quality Planning	CMAQ	8	80.0	72.8	72.8	72.8	7,500.1	
			The goal of this project is to update the local transportation model and EPA mobile source emission model. Fairbanks is a newly designated PM2.5 non-attainment area and also a CO Maintenance area. An up to date transportation model and EPA mobile source emission model are needed for on-going transportation and air quality planning activities in the community. This project will provide funding to conduct federally mandated Air Quality Conformity Analysis for all long range and short term planning documentation.	SM	8		7.2	7.2	7.2		
			Project Total			80.0	80.0	80.0	80.0		
		Fairbanks	Fairbanks Rail Realignment		2					7,500.1	
			The Alaska Railroad Corporation (ARRC) proposes to optimize the alignment of mainline and branch track within the Fairbanks Area to improve safety, customer response, and minimize transportation conflicts with the adjacent communities. A Memorandum of Understanding between the Fairbanks North Star Borough and ARRC is the guiding policy for implementing this project. (PL108-199, Div. F, Title I, Sec. 115).		2						
					3						
			Project Total		4						
			Project Total			0.0	0.0	0.0	0.0		

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Other Major Projects Within FMATS Boundary										Beyond
Need ID	IRIS	Area	Project Description	Fund Code	Phase	FFY15	FFY16	FFY17	FFY18	
18 of 23										
18923	Z607740000		Farmers Loop Resurfacing	STP	2	630.0				
			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.					10,000.0		
				STP	4					
			Project Total			630.0		10,000.0		
26080			Gold Mine Trail Road Upgrade	3PF	2					57.8
			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.							582.2
				STP	2					
			Project Total							640.0
										200.0
19217-2	Z634790000	Fairbanks	HSIP: Fairbanks Danby-Wembley Roundabout	HSIP	2	450.0				
			Construct a single lane roundabout at the intersection of Danby Street and Wembley Avenue.							
				HSIP	3			150.0		
				HSIP	4			1,424.0		
			Project Total			450.0	0.0	1,574.0		
19217-4	Z634670000		HSIP: Steese Hwy/Chena Hot Springs Rd Ramp Termini Roundabouts		4		2,379.0			
			Construct roundabouts at the interchange ramp termini for the Steese Highway at Chena Hot Springs Road.		7		60.0			
			Project Total				2,439.0			
19217-1	Z641190000		HSIP: Chena Hot Springs Road Safety Improvements		4	910.0				
			Update pass/no-pass striping and install horizontal alignment warning signage to be compliant with the current Alaska Traffic Manual on Chena Hot Springs Road from just east of the Steese Expressway to the end of the route. Install one radar speed feedback sign for each direction of travel between Mileposts (MP) 2 and 3, and install optical speed bars in advance of curves at MP 8, 10.5, and 13.		7					
			Project Total			910.0				

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Other Major Projects Within FMATS Boundary									
Need ID	IRIS	Area	Project Description	Fund Code	Phase	FFY15	FFY16	FFY17	FFY18
19217-3	Z624890000		HSIP: Northern Region Pedestrian Improvements		4	751.0			
			Replace existing crosswalks at 58 signalized intersections in the Fairbanks and North Pole areas with methyl methacrylate. Install 4 Rectangular Rapid Flashing Beacons (RRFB) at the Airport Way Frontage Road / West Cowles.						
Project Total						751.0			
19217		Fairbanks	Joint Tanana Range Access	ILLU	4	40,000.0			
				ILLU			44,000.0		
			The Alaska Railroad Corporation (ARRC) in cooperation with the U.S. Military proposes to construct a crossing of the Tanana	ILLU	4	10,000.0	60,000.0	46,000.0	
				ILLU	4	10,000.0	60,000.0	46,000.0	
Project Total						60,000.0	164,000.0	92,000.0	
25556		North Pole	North Pole Road/Rail Reduction Project	ARRC	4				
Project Total						0.0			
7461	Z604550000		Old Nenana/ Ester Hill Rehabilitation						
			Rehabilitate and repave up to 11 miles of road. Work to include ditch cleaning, culvert replacement, signing and possible shoulder widening.	SM	3		9.0		
				STP	3		91.0		
				SM	4				812.7
				STP	4				8,187.3
Project Total							100.0		9,000.0
26082	Z624870000	Fairbanks	Old Steese Highway Reconstruction - GO Bond	GO Bond	2	575.0			
			Reconstruct the Old Steese Highway from Wendell Avenue Bridge to, and including, the intersenction at the Johansen Expressway.	GO Bond	3	170.0			
				GO Bond	2				
				HSIP	7				
					4			20,000.0	
Project Total								20,000.0	
18923	Z630350000	Fairbanks	Peger Road Resurfacing		4	10146.0			
			Resurface approximately 2.6 miles of Peger Road from the Alaska Railroad yard to Van Horn Road, and approximately 1,840 feet of Phillips Field Road, beginning at the intersection of Peger Road and Phillips Field Road.		7	75.0			
Project Total						10,221.0			

Beyond

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Other Major Projects Within FMATS Boundary									
Need ID	IRIS	Area	Project Description	Fund Code	Phase	FFY15	FFY16	FFY17	FFY18
25596			Rosie Creek Road Improvements						
			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.	2	3PF	56.0			
				2	STP	564.0			
			Project Total			620.0	0.0	0.0	
6359	Z632910000		Wendell Avenue Bridge	GO Bond	2				
			Rehabilitate or replace the Wendell Street Bridge, widen sidewalks and provide pedestrian facilities along the north side under the bridge.	GO Bond	3	400.0			
				GO Bond	7	410.0			
				GO Bond	4			14,500.0	
			Project Total			810.0	0.0	14,500.0	0.0

Beyond

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CMAQ PROJECTS									
Need ID	IRIS	Location	Project Description / Funding Source	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
24756		Fairbanks	Fairbanks Fine Particulate Matter Planning and Control	2	CMAQ-M	0.0			
			A portion of the FNSB has been designated as a non-attainment area for fine particulate matter (PM 2.5). The goal of this project is to design and implement projects to mitigate PM2.5 concentrations in the community.	3	CMAQ-M	60.0			
				4	CMAQ-M	2,400.0			
Project Total						2,460.0	0.0	0.0	0.0
26161		Fairbanks	Fairbanks Air Quality Planning Project	8	CMAQ	80.0	80.0	80.0	80.0
			The goal of this project is to update the local transportation model and EPA mobile source emissions model. Fairbanks is a newly designated PM _{2.5} non-attainment area and also a CO Maintenance area. An up to date transportation model and EPA mobile source emission model are needed for on-going transportation and air quality planning activities in the community. This project will provide funding to conduct federally mandated Air Quality Conformity Analysis for all long and short term planning documentation.						
Project Total						80.0	80.0	80.0	80.0
<i>The above projects are in the draft 2016 - 2019 STIP. The following projects are sub-allocations from Need ID 29232 and are exempt from conformity analysis. They are shown here for informational purposes only.</i>									
18791-16	Z607110000	Fairbanks	FNSB SIP	8	CMAQ	430.0	430.0	430.0	
			Prepare a Fairbanks PM 2.5 Non-Attainment Area Statewide Implementation Plan (SIP). This project includes inventory development, data collection, analysis, modeling, identifying control measures and components that demonstrate attainment.						
Project Total						430.0	430.0	430.0	0.0
24756	Z621270000	Fairbanks	COF Pedestrian Facilities Upgrade	2	CMAQ				
			Reconstruct pedestrian facilities on Aurora Drive, Cowles Street, Lacey Street and 5th, 6th, 7th, 8th, 9th, and 10th Avenues from Cowles Street to Noble Street, and 10th Avenue from Noble Street to the Steese Highway.	3	CMAQ	0.0			
				4	CMAQ	60.0			
						2,400.0			
Project Total						2,460.0	0.0	0.0	0.0
18791-17	Z635830000	Fairbanks	PM2.5 VMT and Classification Study	8	CMAQ	100.0	100.0	100.0	
			To fund vehicle volume, classification, speed counts, and traffic counting equipment within the PM2.5 non-attainment area. Conduct a baseline study of local road VMT, as well as data analysis and reporting.						
Project Total						100.0	100.0	100.0	0.0
18791-18	Z617630000	Fairbanks	Nor Reg Signal Interconnect	8	CMAQ	3,300.0	3,300.0	3,300.0	
			To fund vehicle volume, classification, speed counts, and traffic counting equipment within the PM2.5 non-attainment area. Conduct a baseline study of local road VMT, as well as data analysis and reporting.						
Project Total						3,300.0	3,300.0	3,300.0	0.0

**FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #1 Approved 12.16.15**

CMAQ PROJECTS									
Need ID	IRIS	Location	Project Description / Funding Source	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
18791-1	Z607090000	Fairbanks	FNSB Air Quality Education	8	CMAQ	500.0	500.0	500.0	
			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.						
Project Total						500.0	500.0	500.0	0.0
24756-10	Z604440000	Fairbanks	Heavy Duty Diesel Anti-Idling Maintenance and Emission	8	CMAQ	250.0	250.0	250.0	
			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.						
Project Total						250.0	250.0	250.0	0.0
24756		Fairbanks	Carlson Center Motor Vehicle Plug-In	8	CMAQ	810.6	108.0	109.0	
			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.						
Project Total						810.6	108.0	109.0	0.0
24756		Fairbanks	Fairbanks and North Pole Libraries and Big Dipper Plug-Ins	8	CMAQ	697.1	67.5	67.5	
			Installation of electrical plug-ins at the Fairbanks Library, North Pole Library and the Big Dipper for preheating motor vehicle engines during cold temperatures in the Fairbanks area. This project also provides for 3 years of operations and maintenance for the plug-ins.						
Project Total						697.1	67.5	67.5	0.0
18791-2	Z604580000	Fairbanks	Hot Spot Guidance Program	8	CMAQ	300.0	300.0	300.0	
			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.						
Project Total						300.0	300.0	300.0	0.0
26161	Z605660000	Fairbanks	Fairbanks Air Quality Conformity	8	CMAQ	80.0	80.0	80.0	80.0
			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.						
Project Total						80.0	80.0	80.0	80.0