

MEMORANDUM

State of Alaska Department of Transportation & Public Facilities Program Development

TO: Patrick J. Kemp, P.E.
Commissioner

DATE: December 12, 2014

THRU: Jeffery Ottesen
Director

TELEPHONE NO: 465-2744

FAX NUMBER: 465-6984

FROM: Maren Brantner
STIP Planner *MAB*

SUBJECT: Recommended Approval of
AMATS 2015-2018 TIP
Administrative Modification
#1

The Anchorage Metropolitan Area Transportation Solutions (AMATS) Policy Committee approved Administrative Modification #1 to the AMATS FFY 2015-2018 Transportation Improvement Program (TIP) on December 4, 2014.

We find that Administrative Modification #1 meets all the requirements of US Code Title 23, Section 134, meets conformity, and is fiscally constrained by the allocations made in the approved 2012-2015 Statewide Transportation Improvement Program (STIP).

Your approval of Administrative Modification #1 to the AMATS FFY 2015-2018 TIP is recommended and required as the statutory designee for all state transportation planning matters.

Approved: _____

P. Kemp
Patrick J. Kemp, P.E.
Commissioner

Date: _____

12/22/14

Attachments: AMATS FFY 2015-2018 TIP Admin Mod #1 Transmittal Memo
AMATS Technical Advisory Committee Memo
AMATS FFY 2015-2018 TIP Admin Mod #1 Tables

CC: James Boyle, Transportation Planner I, ADOT&PF
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Craig Lyon, AMATS Coordinator, MOA
Jeff Ottesen, Director, ADOT&PF
Mike Vigue, Assistant Division Administrator, FHWA
Jennifer Witt, Transportation Planner III, ADOT&PF
David Post, Transportation Planner II, ADOT&PF



Project Status Information Item Business Item

5f

SUBJECT: **2015-18 TIP Administrative Modification 1**
GROUP: AMATS Technical Advisory Committee
DATE: December 4, 2014

BACKGROUND:

An administrative modification to the AMATS 2015-2018 Transportation Improvement Program (TIP) is needed to reflect updates to Table 10 Pavement Replacement Programs and Table 3 Roadways.

Table 3 Roadway

Show an A/C from 2016 to 2015 for the Minnesota Dr. Mobility and Safety Study.

Table 10 Pavement Replacement Programs

- Projects added to the AMATS Pavement Replacement Program include:
 - Reeve Blvd - 5th Ave. to Post Rd.
 - Dowling Rd - Old Seward to Lake Otis Pkwy.
- Projects added to AMATS Anchorage Area Principal Arterial Paving program:
 - C St - 40th Ave to 3rd Ave and to Ocean Dock Rd.
 - Tudor Rd - 36th St to Minnesota Dr.
 - C St - O'Malley Rd. to 40th St.

STAFF RECOMMENDATION

AMATS staff recommends that the AMATS Technical Advisory Committee (TAC) recommend approval to the Policy Committee the 2015-18 TIP Administrative Modification #1.

Attachments:
2015-18 AMATS TIP Administrative Modification #1 (Tables)

Table 1. Total Four-Year Program Summary
AMATS FFY 2015-2018 TIP Administrative Modification 1

TRANSPORTATION IMPROVEMENTS	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)				4-year total	% of 4-year Non-NHS \$
	2015	2016	2017	2018		
Non-National Highway System (Table 3)						
Roadway Improvements without Pavement Replacement projects	\$16,900	\$15,755	\$17,585	\$7,990	\$58,230	61.3%
Pavement Replacement projects (Table 10)	\$1,074	\$1,449	\$1,919	\$10,714	\$15,156	16.0%
Total Roadway Improvements (Table 3)	\$17,974	\$17,204	\$19,504	\$18,704	\$73,386	77.3%
Non-motorized (Table 4)	\$3,300	\$3,700	\$2,400	\$2,400	\$11,800	12.4%
Congestion Mitigation & Air Quality (Table 5)	\$2,460	\$2,830	\$1,830	\$2,630	\$9,750	10.3%
Non-National Highway System Subtotal for Non-NHS roads, non-motorized & CMAQ projects	\$23,734	\$23,734	\$23,734	\$23,734	\$94,936	100.0%
STIP Non-National Highway System Allocation from ADOT&PF's CTP programs [as of 3/14]	\$23,734	\$23,734	\$23,734	\$23,734	\$94,936	
AMATS CMAQ program set aside [as of 3/14]	\$1,200	\$1,200	\$1,200	\$1,200	\$4,800	
Previously Programmed Projects Utilizing Funding / Deobligations	\$0	\$0	\$0	\$0	\$0	0%
STIP Non-NHS Allocation for all projects (includes CTP and CMAQ allocation)	\$24,934	\$24,934	\$24,934	\$24,934	\$99,736	
Amount over or (-under) funding allocation level for all Non-National Highway System projects for roads, non-motorized, CMAQ projects.	\$0	\$0	\$0	\$0	\$0	
Other Funded Projects within the Municipality of Anchorage						
Highway Safety Improvement Program (Table 2)	\$15,231	\$21,516	\$0	\$0	\$36,747	
National Highway System (Table 6)	\$37,566	\$9,150	\$9,150	\$9,200	\$65,066	
Transit Capital FTA Section 5307 to MOA (Table 7)	\$6,806	\$6,806	\$6,806	\$6,806	\$27,224	
Transit Capital FTA Section 5307 to ARRC (Table 7)	\$1,065	\$1,065	\$1,760	\$1,760	\$5,650	
Transit Capital FTA Section 5337 {State of Good Repair} to ARRC (Table 7)	\$815	\$815	\$1,500	\$815	\$3,945	
TOTAL PROGRAM ALLOCATIONS = (Non-NHS + NHS+ HSIP Set Aside + AMATS Pave./Bridge Refurbish.+ all FTA 5307, 5337 and 5309)	\$85,217	\$63,086	\$42,950	\$42,315	\$196,821	
Other Federal Funded Projects within AMATS (Table 8)	\$676,428	\$41,045	\$99,545	\$39,765	\$856,783	
National Highway System Improvements Outside AMATS boundaries, but within the MOA (Table 9)	\$46,100	\$42,550	\$2,610	\$2,600	\$93,860	
TOTAL FEDERAL FUNDING for Transportation Improvements within AMATS & the MOA	\$807,745	\$146,681	\$145,105	\$84,680	\$1,147,464	

Table 1. Total Four-Year Program Summary
AMATS FFY 2015-2018 TIP Administrative Modification 1

Notice to MOA Project Managers / Project Sponsors! If your project includes ITS elements and uses funds from the federal highway trust fund, prior to acquisition, construction, or implementation, you must demonstrate compliance with federal Systems Engineering Analysis requirements. Complete the ADOT&PF Systems Engineering Analysis Checklist, link below, and submit to FHWA through ADOT&PF Central Region Planning.

**Table 2. Highway Safety Improvement Program (HSIP)
AMATS FFY 2015-2018 TIP**

PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR						Estimated funding needs after 2020	Est total project cost	
		10/10-9/11	10/-9/12	10/12-9/13	10/13 - 9/14	10/14 - 9/15	10/15 - 9/16			
		2015	2016	2017	2018	2019	2020			
1	Glenn Highway Moose-Vehicle Crash Mitigation	2016 - C	\$0	\$5,815	\$0	\$0	\$0	\$0	\$0	\$5,815
2	Regional High Friction Surface Treatment Project (50% located outside the AMATS boundary)	2015 - C	\$8,958	\$0	\$0	\$0	\$0	\$0	\$0	\$8,958
3	Jewel Lake Road: 88th St to Strawberry TWLTL (Two way left turn lane)	2016 - U/C	\$0	\$3,950	\$0	\$0	\$0	\$0	\$0	\$3,950
4	Central Region Sign Assembly Compliance Improvement	2015 - C	\$3,625	\$0	\$0	\$0	\$0	\$0	\$0	\$3,625
5	Lake Otis Parkway @ 68th Channelization Improvements	2015 - U/C	\$2,385	\$0	\$0	\$0	\$0	\$0	\$0	\$2,385
6	Seward Hwy MP 99-100 Passing Lanes	2016 - U/C	\$0	\$4,366	\$0	\$0	\$0	\$0	\$0	\$4,366
7	C Street RR Crossing - Pathway Traffic Control Devices ARRC	2015 - U/C	\$263	\$0	\$0	\$0	\$0	\$0	\$0	\$263
8	CR Traffic Safety Corridor Left Turn Lanes	2016 - R/U/C	\$0	\$3,850	\$0	\$0	\$0	\$0	\$0	\$3,850
9	Muldoon Road Channelization Improvements: 11th Court to Boundary Avenue	2016 - U/C	\$0	\$3,535	\$0	\$0	\$0	\$0	\$0	\$3,535
Annual Totals			\$15,231	\$21,516	\$0	\$0	\$0	\$0	\$0	\$36,747

**Table 3. Roadway Improvements
AMATS FFY 2015-2018 TIP**

	STIP Need ID's	Project AKSAS #	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)				10/14 - 9/15	10/15 - 9/16	Est funding needs after 2020	Estimated total project cost 2015-2020
					10/10-9/11	10/11-9/12	10/12-9/13	10/13- 9/14				
					2015	2016	2017	2018				
Constructing	8499	50898 51030	Dowling Road Extension West /Reconstruction [Minnesota Drive to Old Seward Highway] - Connect Minnesota to 'C' Street and continue to Dowling Road. Location and size of improvements to be determined. Project will be built in phases. Phase I consisting of section from C Street to Old Seward Highway. Phase II also includes \$6.8M in earmark funding shown in Table 8 and \$6.9M identified in the STIP.	2014 - U/C	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
G	2159	53935 53804	O'Malley Road Reconstruction [Seward Highway to Hillside Drive] - Reconstruct the roadway to improve safety and capacity at intersections and improve pedestrian facilities and 3 lane section east of Lake Otis Pkwy, and 5 lane section between Seward Hwy and Lake Otis Pkwy. Landscaping @ 5% of Construction \$ = to be determined. \$4.3M in ROW funding for Phase I in 2014. \$23.5M in U/C funding for Phase I in 2016 is A/C into 2015. Phase II is funded with FFY 2013 GO Bond = \$15M, supplemented by TIP funds.	2015 - U/C	\$14,300	\$11,000	\$0	\$3,000	\$7,000	\$0	\$0	\$35,300
G	2174	53942	Abbott Road Rehabilitation [Lake Otis Parkway to Birch Road] - project will increase from 2 to 4 lanes and improve intersections and pedestrian facilities. Project recommended to be developed as a 3R per ADOT's Pre-Construction Manual. \$1.5M in ROW funding is A/C from 2015 into 2014. \$7.7M in U/C funding is A/C from 2017 into 2016.	2016- U/C	\$0	\$3,000	\$14,700	\$0	\$0	\$0	\$0	\$17,700
	19497		Pavement Replacement Program - This program will provide a single funding source for several pavement overlay and/or replacement projects. Improvements are also expected to include ADA and some existing curb and sidewalk repair. May include those projects listed in Table 10 or other priorities.	2015 - 18 Programming	\$1,074	\$1,449	\$1,919	\$10,714	\$2,500	\$2,500	\$2,500	\$22,656
1	16582	55138 53986	Spenard Road Rehabilitation [Minnesota Dr to Benson Blvd]- project will rehabilitate to improve traffic flow. Includes Spenard Rd/ 36th Ave couplet. \$1M in A/C funding from 2018 to 2017 is for D.	2017 - PE 2018 - D 2019+ - ROW/U/C	\$0	\$0	\$0	\$2,500	\$2,000	\$0	\$0	\$4,500
2	29249		Spenard Road Rehabilitation [Hillcrest to Benson] - project will rehabilitate facility to improve traffic flow to improve circulation and access. New pedestrian facilities are recommended.	2015 - PE 2017 - D 2019+ - ROW	\$1,500	\$0	\$1,000	\$0	\$2,000	\$0	\$0	\$4,500
3	29250		Minnesota Drive Mobility and Safety Study [Westchester Lagoon to Seward Highway] - project will identify opportunities to reduce congestion and improve safety for corridor users. Study will also evaluate interchange and signal alternatives on Minnesota Drive at New and Old Seward Highways.	2016 - Study	\$0	\$150	\$0	\$0	\$0	\$0	\$0	\$150
4	29251		Spenard Road Corridor Strategic Plan - project will present transportation and land use policies and design solutions that accommodate existing and future traffic volumes, enhance vehicle access, promote pedestrian connectivity and safety, present parking solutions, and integrate land use with transportation options. The plan will direct implementation actions that focus on capital improvements throughout the corridor.	2015 - Study	\$250	\$0	\$0	\$0	\$0	\$0	\$0	\$250
5	29252		Glenn Highway Integrated Corridor Management Study [ICM] - project will produce a final Concept of Operations for a comprehensive ICM approach to the Glenn Highway operations, to address traffic congestion, including congestion caused by crashes.	2017 - Study	\$0	\$0	\$200	\$0	\$0	\$0	\$0	\$200
6	29253		Ingra Gambell Couplet Extension reconnaissance study - project will look at extension of Ingra and Gambell Streets to Ship Creek Avenue and Whitney Road. Project will study project area emphasizing implementation actions related to access, circulation and freight mobility.	2017 - Study	\$0	\$0	\$200	\$0	\$0	\$0	\$0	\$200
7	29254		C Street Ocean Dock Road Access Ramp Reconnaissance Study - will look at reconstruction and redesign of C Street bridge/ Port Exit (Ocean Dock Road) Access ramp in both directions and offer recommendations related to safety, maintenance and freight mobility improvements,.	2015 - Study	\$250	\$0	\$0	\$0	\$0	\$0	\$0	\$250
8	29255		Rabbit Creek Reconstruction (Seward Highway to Goldenview Drive) - project would construct center lane, sidewalk, and pathway to increase capacity.	2015 - PE 2017 - D	\$0	\$1,000	\$0	\$1,000	\$0	\$0	\$15,000	\$17,000
9	29256		Birch Road Rehabilitation (Huffman Road to Abbott Road) - project will rehabilitate pavement, including adjoining multi use pathway and fix subsurface issues	2017/18 - PE	\$0	\$0	\$1,000	\$1,000	\$0	\$0	\$0	\$2,000
	29789		Safety Improvement Program (Traffic Count support) - Collect traffic data within the AMATS area completed by the ADOT&PF's Central Region Highway Data Section and MOA Traffic Department Data Section.	2015 - 18 Programming	\$600	\$605	\$485	\$490	\$495	\$500	\$505	\$3,680

**Table 3. Roadway Improvements
AMATS FFY 2015-2018 TIP**

	STIP Need ID's	Project AKSAS #	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est funding	Estimated
					10/10-9/11	10/11-9/12	10/12-9/13	10/13-9/14	10/14-9/15	10/15-9/16	needs after	total project
					2015	2016	2017	2018	2019	2020	2020	cost 2015-2020
			The contingency list of projects for each year will consist of the following year's projects.	ANNUAL TOTALS	\$17,974	\$17,204	\$19,504	\$18,704	\$13,995	\$3,000	\$18,005	\$108,386
			STIP ALLOCATIONS FOR ALL TYPES OF NON-NHS PROJECTS [as of March 2014] = CTP.		\$23,734	\$23,734	\$23,734	\$23,734	\$24,955	\$24,955		\$144,846
			Approximate percentage (%) for roadways		71%	66%	74%	34%			4-year Average=	61.3%
			Approximate percentage (%) for pavement replacement projects		5%	6%	8%	45%			4-year Average=	16%

**Table 4. Non- Motorized
AMATS FFY 2015-2018 TIP**

STIP Need ID's	Project #	PROJECT LOCATION	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est funding needs after 2020	Estimated total project cost 2015 - 20		
			PROJECT PHASING PLAN	10/10-9/11	10/11-9/12	10/12-9/13	10/13 - 9/14	10/14 - 9/15			10/15 - 9/16	
				2015	2016	2017	2018	2019			2020	
G	26628	53619	Bicycle Plan Project Implementation - Project would sign, stripe and mark bike lanes or shoulders on existing roadways within the AMATS boundary area to create a safe, connected network of bicycle facilities as identified in the Anchorage Bicycle Plan. Project consists of nominated projects Core Bicycle Network Phase I-III.	2015 - 18 Implementation	\$650	\$1,000	\$500	\$200	\$0	\$0	\$0	\$2,350
G	26629		Pedestrian Plan Project Implementation - Project would improve pedestrian safety and construct missing links as identified in the 2007 Anchorage Pedestrian Plan.	2016 - 18 Implementation	\$650	\$1,000	\$500	\$200	\$0	\$0	\$0	\$2,350
1	29257		Dimond Center Pedestrian and Transit Improvements - multiphase effort focusing on pedestrian, bicycle, transit and travel way improvements. Primary improvements include sidewalk connectivity, bicycle infrastructure, pedestrian and bicycle signals/ signage, traffic calming techniques, lighting and other safety related infrastructure to ensure compliance with ADA.	2015 - C	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000
2	29258		Anchorage Areawide Trails Rehabilitation - Project will analyze existing pathways for rehabilitation needs community-wide and promote specific projects to rehabilitate those existing pathways. The scope is primarily expected to include pavement replacement with a focus on trails that form the Anchorage Bicycle Plan Core Bicycle Network.	2015 - 18 - D/U/C	\$0	\$1,500	\$0	\$0	\$500	\$500	\$0	\$2,500
3	29259		Implement Bike Plan - Multi use path on Benson between Lois Drive and Minnesota Boulevard - project would construct multi-use path between Lois Drive and Minnesota Boulevard.	2017 - D/C	\$0	\$200	\$1,000	\$0	\$0	\$0	\$0	\$1,200
4	29260		Implement Bike Plan - Multi use path on O'Malley Road - project constructs multi-use path on O'Malley Road between Old Seward Highway and C Street.	2018 - D/C	\$0	\$0	\$200	\$1,000	\$0	\$0	\$0	\$1,200
5	29261		Implement Bike Plan - sign existing bike network	2018 - Implementation	\$0	\$0	\$200	\$1,000	\$0	\$0	\$0	\$1,200
			The contingency list of projects for each year will consist of the following year's projects.		\$3,300	\$3,700	\$2,400	\$2,400	\$500	\$500	\$0	\$8,100
			STIP ALLOCATIONS FOR ALL TYPES OF NON-NHS PROJECTS [as of March 2014] = CTP.		\$23,734	\$23,734	\$23,734	\$23,734	\$94,936	\$1		\$189,873
			Approximate percentage (%) for all Non-motorized projects		14%	16%	10%	10%			4-year Average=	12.4%

**Table 5. Congestion Mitigation Air Quality (CMAQ)
AMATS FFY 2015-2018 TIP**

STIP Need	ID's	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est. funding needs after 2016	Estimated total project cost 2015 - 20
				10/10-9/11	10/11-9/12	10/12-9/13	10/13 - 9/14	10/14 - 9/15	10/15 - 9/16		
				2015	2016	2017	2018	2019	2020		
SIP-Mandated Projects and Programs											
1	9299	Anchorage Ridesharing/ Transit Marketing - This project funds the operation of the Municipal Share-A-Ride program which promotes, coordinates, and operates an area-wide commuter matching service and a van pool program, and a comprehensive public transportation marketing effort.	2015-18 Programming	\$900	\$900	\$900	\$900	\$900	\$900	\$900	\$6,300
2	9299	Air Quality Public & Business Awareness Education Campaign - The goal of this program is to further inform the public about air quality issues and what steps people may take to reduce pollution.	2015-18 Programming	\$300	\$300	\$300	\$300	\$300	\$300	\$300	\$2,100
Section Totals				\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$8,400
STIP Non-National Highway System Allocation from ADOT&PF's CMAQ program [as of 3/14]				\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$1,200	\$8,400
Studies and Plans											
1	24818	Consolidated Municipality of Anchorage MTP - Funding for the consolidated Municipality of Anchorage Metropolitan Transportation Plan.	2020 - Plan	\$0	\$0	\$1,000	\$0	\$0	\$1,000	\$0	\$2,000
2	29262	Midtown Transit Facility - Phase I will analyze location alternatives, site suitability and route restructuring for a midtown transit facility. Phase II is the construction of the Midtown Transit Facility based on the recommendations of the study in Phase I.	2015 - Study	\$300	\$0	\$0	\$0	\$8,000	\$0	\$0	\$8,300
Section Totals				\$300	\$0	\$1,000	\$0	\$8,000	\$1,000	\$0	\$10,300
Programs											
1	29741	Arterial Roadway Dust Control - Magnesium chloride (MgCl2) dust palliative will be applied to approx 70 miles of high volume State and municipal roadways prior to and immediately after spring sweeping.	2015-18 Implementation	\$200	\$200	\$200	\$200	\$0	\$0	\$0	\$800
2	18126	Traffic Control Signalization -Program would provide proactive efficiencies with better/more updated signal timing plans to address intersection congestion and improve air quality. Funding supports development of Traffic Management Center and emergency vehicle and low priority transit signal preemption.	2015-18 Programming	\$350	\$350	\$350	\$350	\$350	\$350	\$350	\$2,450
3	19457	Bus Stop & Facility Improvements -This project funds the upgrade of bus stop sites to meet both the federally-mandated Americans with Disabilities Act [ADA] requirements and the operational needs. Typical improvements include bus shelters, benches, trash receptacles, landscaping, grading, paving, utility relocations, lighting, curb adjustments, drainage, constructing paths, and construction/reconstruction of turnouts. Table 5 CMAQ funds supplement FTA funds in project 4 on Table 7.	2015 - 2018 Implementation	\$210	\$210	\$210	\$210	\$210	\$210	\$210	\$1,470
4	29263	Multimodal trip planner and smartphone application - project will provide for operation of a multimodal trip planner and smartphone app to produce carpool, vanpool and bicycle commuter matching, transit and shuttle schedules, and multimodal directions.	2016-18 Implementation	\$0	\$70	\$70	\$70	\$0	\$0	\$0	\$210
Section Totals				\$760	\$830	\$830	\$830	\$560	\$560	\$560	\$4,720
Projects											
1	14519	Transit Fleet Expansion/Replacement/Operations - This project provides funding for replacement, expansion and potential operational funds of the public transportation fleet. The fleet consists of 40' buses, vanpool vehicles, and AnchorRIDES paratransit vehicles. Vanpool and AnchorRIDES vehicles have a useful life of 4-years, People Mover buses have a 12-year useful life cycle. Based on the People Mover Blueprint and the 2035 MTP, fleet expansion, service and operations are needed to grow the system annually.	2015 - 2018 Purchase	\$1,400	\$2,000	\$0	\$1,800	\$10,000	\$1,000	\$1,000	\$17,200

**Table 5. Congestion Mitigation Air Quality (CMAQ)
AMATS FFY 2015-2018 TIP**

STIP Need	ID's	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)						Est. funding needs after 2016	Estimated total project cost 2015 - 20
				10/10-9/11	10/11-9/12	10/12-9/13	10/13 - 9/14	10/14 - 9/15	10/15 - 9/16		
				2015	2016	2017	2018	2019	2020		
		The contingency list of projects for each year will consist of the following year's projects.	Section Totals	\$1,400	\$2,000	\$0	\$1,800	\$10,000	\$2,187	\$1,000	\$18,387
			ANNUAL TOTALS	\$2,460	\$2,830	\$1,830	\$2,630	\$18,560	\$3,747	\$1,560	\$33,407
		STIP ALLOCATIONS FOR ALL TYPES OF NON-NHS PROJECTS [as of March 2014] = CTP.		\$23,734	\$23,734	\$23,734	\$23,734	\$24,955	\$24,955	6 year total=	\$221,596
		Approximate percentage (%) for all for Congestion Mitigation/Air Quality (CMAQ) projects		10%	12%	8%	11%	74%	15%	4-year Average=	10.3%

Notice to MOA Project Managers / Project Sponsors! If your project includes ITS elements and uses funds from the federal highway trust fund, prior to acquisition, construction, or implementation, you must demonstrate compliance with federal Systems Engineering Analysis requirements. Complete the ADOT&PF Systems Engineering Analysis Checklist, link below, and submit to FHWA through ADOT&PF Central Region Planning.

**Table 6. National Highway System (NHS)
AMATS FFY 2015-2018 TIP**

	STIP	Project	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)				Est funding needs after 2018	Estimated total project cost 2015 - 18
	Need	#			10/10-9/11	10/11-9/12	10/12-9/13	10/13-9/14		
	ID's				2015	2016	2017	2018		
1	2201 2202	52503 50816 53626	Seward Highway [Rabbit Creek to 36th Avenue] - Analyze and identify needed transportation improvements in the Seward Highway Corridor, between Rabbit Creek and 36th Avenue. Improvements to be considered may include but are not limited to: widening from four to six lanes; modify existing interchanges; grade separation at 36th Ave.; extend western frontage road between Dimond Blvd. and O'Malley Road; overcrossings at International Airport Road, 68th, 76th, and 92nd Avenues; and pedestrian and bike facilities. The initial phase will construct an additional travel lane on the Seward Highway in both the North and Southbound directions between Dimond Blvd. and Tudor Road interchanges. This work will include adjusting on and off ramp geometry and drainage modifications.	2015+ - U/C	\$12,750	\$0	\$0	\$0	\$77,000	\$89,750
2	26793		Seward Highway: Midtown Congestion Relief including 36th and Seward Intersection - Connect Anchorage Initiative: Project will design, acquire right-of-way and construct improvements to the Seward Highway through midtown Anchorage, from Tudor Road to 20th Avenue. Project includes the grade separation at 36th Avenue. FFY 2013 GO Bond funding = \$26M, GF funding = \$10M	2015 - 2018+ - All Phases	\$0	\$0	\$0	\$0	\$351,000	\$351,000
3	27470		Glenn Hwy/Muldoon Road Interchange Reconstruction - Reconstruct interchange at Muldoon and Glenn Highway. FFY 2013 GO Bond Funding = \$15M, GF funding = \$450K.	2015 - 2018+ - D/U/C	\$0	\$0	\$0	\$0	\$0	\$0
4	27249		5th and 6th Avenue Repaving - Resurface 5th & 6th Avenue from L Street to Ingra Street and improve curb ramps to meet ADA standards. The scope does not include landscaping or other elements inconsistent with a pavement preservation focus.	2015 - U/C	\$4,050	\$0	\$0	\$50	\$4,050	\$8,150
5	27250 28290		Ingra Street and Gambell Street Repaving - Resurface Ingra Street and Gambell Street from 5th avenue to 36th avenue and improve curb ramps to meet ADA standards. The scope does not include landscaping or other elements inconsistent with a pavement preservation focus.	2015 - C	\$0	\$0	\$0	\$0	\$0	\$0
6	27472		Glenn Highway, Hiland Road to Artillery Road Reconstruction - Add a 3rd lane to both northbound and southbound Glenn Highway. Improvements at Hiland Road and Artillery Road Interchanges on the Glenn Highway. Replace Eagle River bridges with capacity for pathway & future HOV lanes. First construction phase will be northbound improvements. FFY2013 GO Bond funding = \$35M.	2015-2018+ - D/U/C	\$0	\$0	\$0	\$0	\$0	\$0
7	28290	TBD	Anchorage Area Principal Arterial Pavement Resurfacing and ADA Compliance - This Preventive Maintenance project will extend the service life of Principal Arterials and improve curb ramps to meet ADA standards. The scope does not include landscaping or other elements inconsistent with a pavement preservation focus. Initial phase includes auditing State roads as part of resurfacing efforts to determine ADA compliance and identify those issues that can be quickly resolved. Prioritization and construction of needed ADA improvements will be identified per audit.	2015 - D/Planning 2016 - All Phases 2018+ - All Phases	\$20,766	\$9,150	\$9,150	\$9,150	\$0	\$48,216
The contingency list of projected for each year will consist of the following year's projects. (Note: Table is not shown in priority order. These projects have not been ranked by AMATS).					\$37,566	\$9,150	\$9,150	\$9,200	\$432,050	\$497,116

**Table 7. Transit
AMATS FFY 2015-2018 TIP**

STIP Need ID's	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)							Est funding needs after 2020	Estimated total project costs	
			Carryover	10/10-9/11	10/11-9/12	10/12-9/13	10/13-9/14	10/14-9/15	10/15-9/16			
				2015	2016	2017	2018	2019	2020			
	Municipality of Anchorage - FTA Section 5307 & 5340 Funds											
1	19458	Preventive Maintenance / Capital Maintenance - FTA [Federal Transit Administration] allows grantees to use capital funds for overhauls and preventative maintenance. FTA assistance for these items is based on a percentage of annual vehicle maintenance costs.	2015 - 2018 - Implementation	\$0	\$4,450	\$4,550	\$4,650	\$4,750	\$4,900	\$5,050	\$5,050	\$33,400
2	19462	Fleet Replacement/ Expansion - This project funds the fleet expansion and replacement for the AnchorRIDES paratransit service, as well as the fixed route fleet.	2015 - 2018 - Purchase	\$0	\$320	\$80	\$225	\$230	\$200	\$200	\$12,000	\$13,255
3	19464	ADA Complementary Paratransit Services - Costs associated with ADA paratransit programs are eligible for this funding. The project funds the ADA paratransit eligibility process with a transportation skills assessment and a travel training program for people who could benefit from individualized instruction regarding how to independently ride People Mover buses. May also be used to purchase AnchorRIDES trips.	2015 - 2018 - Implementation	\$0	\$500	\$500	\$355	\$500	\$500	\$500	\$500	\$3,355
4	19457	Bus Stop Improvements -This project funds the upgrade of bus stop sites to meet both the federally-mandated Americans with Disabilities Act [ADA] requirements and the operational needs. Typical improvements include bus shelters, benches, trash receptacles, landscaping, grading, paving, utility relocations, lighting, curb adjustments, drainage, constructing paths, and construction/reconstruction of turnouts. Table 7 FTA CMAQ funds supplement CMAQ funds in program 4 in Table 5.	2015 - 2018 - Implementation	\$0	\$200	\$200	\$200	\$200	\$200	\$200	\$200	\$1,400
5	19463	ITS/Automated Operating System/Management Information Systems - This project funds information systems necessary for efficient management of the public transportation system. Typical projects include: Geographic Information Systems [GIS] capabilities, upgrades to the automated maintenance system, refueling, and inventory system; a new computerized dispatch system; and upgrades to the scheduling/run-cutting process, customer information and telephone communications system, and desktop computers. This project also funds staff and capital resources to provide project oversight and capital for ITS for all modes of public transportation services. Provide day to day operational support to all ITS projects.	2015 - 2018 - Implementation	\$0	\$170	\$170	\$170	\$170	\$170	\$170	\$170	\$1,190
6	19459	Fleet Improvement/Support Equipment/Support Vehicles - This project funds improvements to existing transit and paratransit fleets. Typical projects include a ticket reader and issue attachment, which issues passenger passes on the bus; security systems; transit/signal improvements for headway enhancements; mechanical equipment and other improvements for facilities; mobile display terminals; and vehicle communications, radios and locations systems. This project also funds the purchase of replacement vehicles and equipment to support operation of the transit system. Typical purchases include pickup trucks, maintenance trucks with special equipment, supervisor vehicles, shift change vehicles, fork lifts, sweepers, and bus access snow removal equipment.	2015 - 2018 - Purchase	\$0	\$270	\$410	\$310	\$60	\$50	\$50	\$50	\$1,200
7	19456	Transit Planning Program - To include on-board and attitudinal surveys for FTA required reporting (Triennial Review, Title VI, Fare Equity, Environmental Justice, Affirmative Action) and other transit planning activities and documents.	2015 - 2018 - Implementation	\$0	\$25	\$50	\$50	\$50	\$50	\$50	\$50	\$325
8	29264	Transit Centers/Support Facilities - This project supports an on-going effort to provide major transit facilities including, but not limited to town centers and major destinations. The Anchorage 2020 and the 2035 MTP identified a network of Town Centers intended to function as focal points for community activities with a mix of retail, residential, and public services and facilities, and with pedestrian connections to surrounding neighborhoods and transit. Existing and future facility improvements in Midtown, Downtown, and U-Med, Dimond Center and Muldoon areas are vital to the implementation of these community planning documents.	2016 - 2018 - Implementation	\$0	\$25	\$0	\$0	\$0	\$0	\$0	\$0	\$25
		<i>subtotal FTA Section 5307 & 5340</i>		\$0	\$5,960	\$5,960	\$5,960	\$5,960	\$6,070	\$6,220	\$18,020	\$54,150
		MAP-21 Section 5310 Enhanced Mobility of Seniors & Individuals w/ Disabilities [Federal Share Only]		\$0	\$166	\$166	\$166	\$166	\$166	\$166	\$166	\$1,162
		MAP-21 Section 5339 Bus and Bus Facilities Program [Federal Share Only] Replace, rehabilitate and purchase buses and related equipment and conduct bus-related facilities.		\$0	\$680	\$680	\$680	\$680	\$680	\$680	\$680	\$4,760
		<i>subtotal FTA Section 5307, 5310, 5316, 5317 & 5340 Transit funding to the MOA</i>		\$0	\$6,806	\$6,806	\$6,806	\$6,806	\$6,916	\$7,066	\$18,866	\$60,072

**Table 7. Transit
AMATS FFY 2015-2018 TIP**

STIP Need ID's	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)							Est funding needs after 2020	Estimated total project costs
			Carryover	10/10-9/11	10/11-9/12	10/12-9/13	10/13-9/14	10/14-9/15	10/15-9/16		
				2015	2016	2017	2018	2019	2020		
	Alaska Railroad - FTA Section 5307 (Rail Tier) Funds										
10	1% Transit Security on the Alaska Railroad Corporation projects	2015 - 2018 - Implementation	\$120	\$125	\$125	\$130	\$130	\$135	\$135	\$140	\$920
11	Preventive Maintenance - This project partially funds statewide maintenance costs of passenger vehicle railcars and locomotives. Preventive maintenance is defined as all activities, supplies, materials, labor, services and associated costs required to preserve or extend the functionality and serviceability of the asset.	2015 - 2018 - Implementation	\$2,420	\$415	\$415	\$1,100	\$1,100	\$1,100	\$1,200	\$1,200	\$6,530
12	1% Transit Enhancements - can include benches, landscaping, and other transit related amenities.	2015 - 2018 - Implementation	\$120	\$125	\$125	\$130	\$130	\$135	\$135	\$140	\$1,040
13	Track Rehab - Rail and tie rehabilitation within AMATS boundaries.	2015 - 2018 - Implementation	\$358	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$3,158
	<i>subtotal FTA Section 5307 (Rail Tier) Transit funding to Railroad</i>		\$3,018	\$1,065	\$1,065	\$1,760	\$1,760	\$1,770	\$1,870	\$1,880	\$11,648
	Alaska Railroad - FTA Section 5337 (State of Good Repair) Funds										
14	Track Rehab - Rail and tie rehabilitation within AMATS boundaries.	2015 - 2018 - Implementation	\$430	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$2,800
15	Preventive Maintenance - This project partially funds statewide maintenance costs of passenger vehicle railcars and locomotives. Preventive maintenance is defined as all activities, supplies, materials, labor, services and associated costs required to preserve or extend the functionality and serviceability of the asset.	2015 - 2018 - Implementation	\$415	\$415	\$415	\$1,100	\$415	\$420	\$425	\$430	\$3,620
	<i>subtotal FTA Section 5337 (SGR) funding to Railroad</i>		\$845	\$815	\$815	\$1,500	\$815	\$820	\$825	\$830	\$6,420
	Alaska Railroad - FTA Section 5337 (SGR) Funds		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<i>subtotal FTA Section 5337 funding to Railroad</i>		\$845	\$815	\$815	\$1,500	\$815	\$820	\$825	\$830	\$6,420
	<i>subtotal FTA Sections 5307 (Rail Tier) & 5337 Transit funding to ARRC</i>		\$3,863	\$1,880	\$1,880	\$3,260	\$2,575	\$2,590	\$2,695	\$2,710	\$18,068
	Total Transit Program (FTA {5307+5337})		\$3,863	\$8,686	\$8,686	\$10,066	\$9,381	\$9,506	\$9,761	\$21,576	\$78,140
	<i>The Municipality of Anchorage's Transportation Improvement Program (TIP) process is used to satisfy the public participation process of the Program of Projects (POP) that is required in U.S.C. Section 5307. The POP as presented is the proposed Program of Projects and will also be the final Program of Projects unless amended.</i>										

**Table 8. Other Federal, State, and Local Funded Projects within AMATS Area
AMATS FFY 2015-2018 TIP**

STIP Need ID's	PROJECT DESCRIPTION	Project Phasing Plan	Source	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)								Estimated total needs after 2020	Total project cost 2015-20
				Carryover	2015	2016	2017	2018	2019	2020			
1	Port of Anchorage Intermodal Facility Improvements		State GF GO Bond	\$130,000	\$10,000	\$40,000	\$98,500	\$35,000	\$35,000	\$0	\$0	\$348,500	
2	12259 Recreational Trails for Alaska - This program provides funding for various small recreational trail projects statewide. The program is administered by ADNR.	2015-2018 Programming	RTP		\$45	\$45	\$45	\$1,465	\$45	\$45	\$0	\$1,690	
3	19469 Rail Extensions, signalization and remotely controlled power switches.	2015-2018 Programming	FRA		\$1,000	\$1,000	\$1,000	\$0	\$0	\$0	\$0	\$3,000	
4	20255 Knik Arm Crossing Access Connections - Design and construct approximately 2.5 miles of roadway behind the Port of Anchorage from the Northern terminus of the planned port expansion south through Government Hill and connecting to the A/C couplet to serve as an alternative access to the port and a primary access to the planned Knik Arm Crossing.	2015-2018 - D/ROW/U/C	ILLU		\$147,295	\$0	\$0	\$0	\$0	\$0	\$0	\$147,295	
5	20256 Knik Arm Crossing Toll Financed Bridge Facilities - Design and construct a bridge across Knik Arm between Anchorage and Mat-Su Borough and a connecting roadway between northern terminus of the planned Port of Anchorage expansion and the Bridge and a connecting roadway between the Point Mackenzie Road and the bridge. This is project 2 of 3 supporting the EIS known as the Knik Arm Crossing. See need ID 20254 (completed) and 20255	2015-2018 - D/ROW/U/C	ILLU		\$517,313	\$0	\$0	\$0	\$0	\$0	\$0	\$517,313	
6	19482 AK094 & AK105 - Construction & Road Improvements @ APU. This project is not included in the Air Quality conformity analysis for the 10-13 TIP.	2015-2018 Programming	Earmark	\$4,794	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,794	
7	19485 AK149 & AK158 - Dimond Center Intermodal Parking Facility - upgrade existing transit center, including but not limited to design, engineering, permitting and construction.	FTA direct transfer to MOA	Earmark	\$3,292	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,292	
8	19202 Seward Highway - Anchorage to Portage Glacier Road ITS Project - ITS deployment such as dynamic message signs, real-time traffic counters, low power FM or highway advisory radio, automated anti-icing/de-icing system, environmental sensors, CCTV, and adjoining signal system and inter-connect upgrades to help improve traveler safety and efficiency along the Seward Highway Corridor, Glenn Highway to Portage Glacier Road, MP 78.8.	2015-18 - P/D/C/U	STP Federal Funds		\$675	\$0	\$0	\$0	\$0	\$0	\$0	\$675	
9	26849 People Mover Maintenance Facility Roof Replacement - FTA State of Good Repair grant to replace the aging, leaking, poorly insulated roof of the People Mover maintenance facility.	2012 - C	FTA Grant	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,400	
10	27429 People Mover Veterans Transportation Community Living Initiative - project will develop a travel options application for mobile devices.	2012 - programming		\$120	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$120	
11	People Mover State of Good Repair Vehicle Replacement - project will replace 3 buses and 10 paratransit vehicles. [Federal share only]		FTA Grant	\$1,304	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,304	
12	People Mover Transportation, Community, and System Preservation Program Winter City Pedestrian Safety & Bus Stop Improvements - project will improve safety, accessibility, and maintenance of existing pedestrian facilities and bus stops during winter months. [Federal share only]		FHWA Grant	\$280	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$280	
13	People Mover Human Resources Grant - project will create an innovative public transportation workforce development program (Federal Share Only).	2018 - Programming	FTA 5323 Grant		\$0	\$0	\$0	\$300	\$0	\$0	\$0	\$300	
14	People Mover Transit Oriented Development Pilot - project will assist in the planning and development of mixed use transit oriented development within the Municipality of Anchorage (Federal Share Only).	2018 - Programming	FTA Grant		\$0	\$0	\$0	\$3,000	\$0	\$0	\$0	\$3,000	
15	Campbell Tract Facility Alternate Entrance Alignment	2015 - PE	FLAP		\$100	\$0	\$0	\$0	\$250	\$0	\$0	\$350	
TOTALS - Other Federally or State funded Improvements within the AMATS Area - (Note: Table is not shown in priority order. These projects have not been ranked).				\$142,190	\$676,428	\$41,045	\$99,545	\$39,765	\$35,295	\$45	\$0	\$1,034,313	

**Table 9. NHS Non NHS improvements outside AMATS within the MOA
AMATS FFY 2015-2018 TIP**

	STIP	PROJECT LOCATION	PROJECT PHASING PLAN	FEDERAL FISCAL PROGRAMMING YEAR (\$,000)					Estimated total funding needs after 2018	Estimated total project cost	
	Need			Source	Carryover	10/10-9/11	10/11-9/12	10/12-9/13			10/13-9/14
	ID #					2015	2016	2017			2018
1	11439	Whittier Tunnel: Maintenance and Operations - Federal-aid eligible portion of Whittier tunnel and approaches, maintenance and operations.	2015-2018 - C	NHS / STP	\$0	\$2,600	\$2,600	\$2,600	\$2,600	\$2,600	\$13,000
2	11925	Seward Highway - MP 75-90 Ingram Creek to Girdwood Road and Bridge Rehabilitation. FFY 2013 GO Bond funding = \$10M, GF funding = \$10M	2015 - 2018+ - D/C/U	NHS	\$0	\$40,500	\$0	\$0	\$0	\$145,500	\$186,000
3	12640	Seward Highway - MP 99-104 Bird and Indian Improvements: Design and construct Seward Highway improvements. May include possible bypass of Bird and Indian. Project includes passing lanes and bike/ped trail.	2015-18 - D/ROW/U/C	IM	\$0	\$3,000	\$0	\$10		\$13,500	\$16,510
4	12641	Seward Highway - MP 104-115 Passing Lanes - Indian to Potter Marsh.	2016 - U/C	NHS / OSF	\$0	\$0	\$39,950	\$0	\$0	\$0	\$39,950
5	16057	Portage Glacier Road Embankment Stabilization: Project will stabilize the Portage Creek stream bank at three locations along Portage Glacier Road.	2014 - U/C	Forest Hwys	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	19261	Olympic Circle Road Paving: Pave Olympic Circle Road in Girdwood. Project may include improvements to parking, drainage, lighting and pedestrian facilities. Under Construction	2014 - U/C	OSF / High Priority 1702	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	26651	Seward Hwy Right-of-Way Study: Project will provide Right-of-Way survey and As-Built information as needed for portions of the Seward Highway from Girdwood to Potter Marsh. Project may include documentation of corridor agreements with various public landowners within the corridor.	2014 - P&R	NHS	\$1,500	\$0	\$0	\$0	\$0	\$0	\$1,500
8	26536	Seward Highway Corridor Study- Develop a clear departmental vision for the corridor to guide capital project selection and scoping, aid in management decisions, and help preserve the function of the Seward Highway as a critical NHS corridor.	2015 - Planning	NHS / TCSP	\$2,500	\$0	\$0	\$0	\$0	\$0	\$2,500
9	26791	Seward Highway: Seward at Alyeska Highway Improvements - Construct a divided intersection on the Seward Hwy at the Alyeska Hwy to allow queuing for left-turning vehicles.	2015- All Phases	OSF	\$0	\$0	\$0	\$0	\$0	\$7,400	\$7,400
The contingency list of projected for each year will consist of the following year's projects.			ANNUAL TOTALS		\$4,000	\$46,100	\$42,550	\$2,610	\$2,600	\$169,000	\$266,860

**Table 10. Pavement Replacement Programs
AMATS FFY 2015-2018 TIP**

2015 - 2018 TIP, Pavement Replacement Projects	
	Project Location
1	Airport Hts Rd - Debarr Rd to Glenn Hwy
2	Boundary Ave - Boniface Pkwy to Oklahoma
3	Brayton Dr - Dearmoun Rd to Dimond Blvd
4	Dimond Blvd - Jewel Lake Rd to Sand Lake Rd
5	Elmore Rd - Huffman Rd to Omalley Rd
6	Fireweed Ln - Arctic Blvd to Seward Hwy
7	Hiland Rd - MP 0 to MP 3.2
8	Jodphur Rd - Dimond Blvd to Kincaid Rd
9	Kincaid Rd - Jodphur Rd to Sand Lake Rd
10	Post Rd - 3rd Ave to Reeve Blvd
11	Rabbit Creek Rd - Old Seward Hwy to Hillside Dr
12	Sand Lake Rd - Dimond Blvd to Raspberry Rd
13	Upper Huffman - Hillside Dr to Toilsome Hill Dr
14	Reeve Blvd - 5th Ave to Post Rd
15	Dowling Rd - Old Seward to Lake Otis Rd
	*Projects not in priority order Pavement Replacement Annual Totals shown in Table 3

2015 - 2018 TIP, Anchorage Area Principal Arterial Pavement Resurfacing and ADA Compliance	
	Project Location
1	Abbott Rd: New Seward Hwy - 88th Ave Pavement Preservation
2	Benson Blvd: Lois - Latouche Pavement Preservation
3	Ingra and Gambell Pavement Preservation and Curb Ramps: 5th St - 36th St
4	Intl Airport Rd: S. Aircraft - Homer Dr
5	L&I Couplet Pavement Preservation and Curb Ramps
6	N. Lights Blvd: Forest - Lake Otis Pavement Preservation
7	Old Seward Hwy: O'Malley to Dimond Pavement Preservation
8	Old Seward Hwy: Rabbit Creek - Brandon Pavement Preservation
9	Raspberry Rd: Jewel Lake - Minnesota Pavement Preservation
10	C St - 40th Ave to 3rd St & to Ocean Dock Rd
11	Tudor Rd - 36th St to Minnesota Dr
12	C St - O'Malley to 40th St
	*Projects not in priority order See Table 6 Project #28290