



SPECIAL TECHNICAL COMMITTEE MEETING

Tuesday, February 25, 2020

12:00 – 1:00 P.M.

FAST Planning Office, 100 Cushman Street, Suite 205

Call In # (907) 308-3810, Bridge ID #3278

1. Call to Order
2. Introduction of Members and Attendees
3. Public Comment Period (Non-Action Items)
4. Tanana Loop & South Chandalar Intersections – Construction Increase (Action Item) Pg 1-14
 - Includes preview of Draft TIP Administrative Modification #2 and current Offset balance
5. Adjournment

Next Scheduled Technical Committee Meeting – Wednesday, March 4, 2020, Noon to 2pm,
Fairbanks City Council Chambers

Jackson Fox

From: Schacher, Sarah E (DOT) <sarah.schacher@alaska.gov>
Sent: Friday, February 21, 2020 3:48 PM
To: Jackson Fox
Cc: Hall, Ivet (DOT); Hill, Jason J (DOT); Johnson, Dawn M (DOT); Bailey, Randi L (DOT)
Subject: Increase request for Tanana Loop and South Chandalar Drive Intersections

Hi Jackson,

We are requesting an increase of **\$456,617** for this project in order to award the construction contract. Phase 4 breakdown of needs is as follows:

Certified Low Bid	\$2,730,037.50
Construction Engineering/ Contract Administration	\$622,449.00
ICAP (7.64%)	\$256,129.97
Total Phase 4	\$3,608,616.47

The programmed TIP amount is \$3,152,000, leaving a difference of \$456,617.

- Bids came in about 7% higher than our engineer's estimate of \$2,546,305.
- Our initial contract administration cost estimate was low because it did not factor in the need to retain UAF and their consultant for design support during construction. We also had to decrease this portion of the estimate at the time of fund obligation because the consultant's estimate came in a bit higher than expected, particularly with a 4% increase in ICAP since their estimate was last updated. We opted not to request an increase at that time knowing we always have to adjust funding programmed based on how bids come in.

Thank you for your quick action to hold a special TC meeting to consider this.

Sarah Schacher, P.E.

Northern Region Preconstruction Engineer

Alaska Department of Transportation & Public Facilities

2301 Peger Road, Fairbanks AK 99709

Office: (907) 451-5361

Cell: (907) 750-0796

sarah.schacher@alaska.gov

www.dot.alaska.gov

**Tanana Loop & South Chandalar Intersections
Construction Increase - Funding Proposal**

	Federal	Match	Total
TIP - STP Funds	86.8	8.6	95.4
TIP - CMAQ Funds	182.0	18.1	200.1
Offsets	146.6	14.5	161.1
			456.6

FAST Planning FFY20 Offsets

February 21, 2020

Project	Federal	Total w/ Match	
FMATS Intersection Improvements FFY19	\$132,298	\$145,430	Project deobligation; bids rejected
Plack Road Bike/Pedestrian Facility	\$489,454	\$538,039	Project closure
FMATS Sidewalk Improvements FFY19	\$264,545	\$290,805	Reduction to Bid Award
Birch Hill Bicycle & Pedestrian Facility	\$255,495	\$280,856	Project closure
FMATS 2045 MTP	\$20,701	\$22,756	Project closure
Birch Hill Bicycle & Pedestrian Facility	\$124,946	\$137,349	Project closure
FMATS Area Surface Upgrades FFY18	\$73,637	\$80,946	Project closure
Total Offset Funding to Date	\$1,361,076	\$1,496,181	
COMMITTED FUNDS			
FAST Improvement Program FFY20 Construction Increase (Johansen & Danby Path Resurfacing)	\$159,701	\$175,554	Executive Director approved 10.25.19
FAST Improvement Program FFY20 Design Increase	\$90,970	\$100,000	Technical Committee approved 11.06.19
FAST Improvement Program FFY20 Utilities Increase	\$21,378	\$23,500	Executive Director approved 01.23.20
FAST Non-motorized Plan Update	\$33,659	\$37,000	Executive Director approved 02.03.20
FMATS Sidewalk Imp. Program FFY19 Construction Increase	\$146,529	\$161,074	Executive Director approved 02.04.20
FAST Intersection Improvement Program FFY20 Construction (1st & Lacey and 10th & Lathrop intersections)	\$158,319	\$174,034	Executive Director approved 02.05.20
McGrath Road Upgrade Utilities Increase	\$136,273	\$149,800	Technical Committee approved 02.05.20
FAST Improvement Program FFY20-22 Design (Prelim. Engineering)	\$236,522	\$260,000	Policy Board approved 02.12.20
Tanana Loop & South Chandalar Intersections Design Increase	\$40,837	\$44,891	Executive Director approved 02.21.20
Tanana Loop & South Chandalar Intersections Construction Increase	\$146,568	\$161,117	Pending Technical Committee approval 02.25.20
Minnie Street Corridor Study Planning Increase	\$72,731	\$79,950	Pending Technical Committee approval 03.04.20
Total Committed Offsets	\$1,243,487	\$1,366,920	
Remaining Funds to be Obligated	\$117,589	\$129,261	

FAST Planning FFY19-23 Transportation Improvement Program (TIP)
Draft Administrative Modification #2 - Summary of Changes
February 21, 2020

Project	Description
1 College Road Bus Pullouts	Removed \$200k ROW phase funding in FFY20 and added \$2.5k ROW phase placeholder in FFY22 per DOT; removed FFY21 AC from Construction phase (slated for construction in FFY22 in latest Design Status Report)
2 Coordinators Office	Corrected FFY20-23 match amounts from calculation error
3 FAST Improvement Program	Removed FFY20 Utilities phase placeholder (STP) and added \$23.5k in offset funding approved by Executive Director 01.23.20; added \$260k in offset funding to FFY20 Design phase approved by Policy Board 02.12.20; moved FFY20 ROW phase placeholder to FFY21
4 FAST Intersection Improvement Program	Added \$174k in offset funding to FFY20 Construction phase approved by Executive Director 02.05.20 (high bids rejected in FFY19 and funds were deobligated to be bundled with FAST Improvement Program bid package in FFY20)
5 FAST Sidewalk Improvement Program	Added \$161k in offset funding to FFY20 Construction phase approved by Executive Director 02.04.20
6 McGrath Road Upgrade	Added \$150k in offset funding to FFY20 Utilities phase approved by Technical Committee 02.05.20
7 Non-motorized Plan Update	Added \$37k in offset funding to FFY20 Planning phase approved by Executive Director 01.23.20
8 Tanana Loop & South Chandalar Intersections	Added \$45k in offset funding to FFY20 Design phase approved by Executive Director 02.21.20; added \$456.6k in offset (\$161.1k), STP (\$95.4k), & CMAQ (\$200.1k) funding to FFY20 Construction phase approved by Technical Committee 02.25.20

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
32119	NFHWY00445	5th Avenue Reconstruction Reconstruct 5th Avenue from Barnette to Noble Street to provide improved facilities for all users. Reconstruction includes ADA-compliant sidewalks and shoulders to accommodate bicyclists, wayfinding and bicycle route signs, and landscaping in accordance with FAST Planning's "Complete Streets" Policy.	STP	Design	218.8		109.8				
			TAP		77.3						
			3PF		29.4		10.9				
			STP	Right-of-Way				27.3			
			3PF				2.7				
			STP	Utilities					409.4		
			3PF					40.6			
			STP	Construction						1,092.8	
			TAP						454.9		
			3PF						153.6		
			ACC								-1,092.8
			AC							1,092.8	
Project Total					325.5	0.0	150.8	2,151.3	0.0	0.0	
32279	NFHWY00447	Airport West Bicycle & Pedestrian Facility Construct bicycle and pedestrian connection from the Fairbanks International Airport terminal to the neighborhoods west of the Airport and planned non-motorized facilities along Dale Road.	STP	Design	300.2	154.6					
			SM		29.8	15.4					
			STP	Right-of-Way				2.3			
			SM				0.2				
			STP	Utilities					9.1		
			SM					0.9			
			STP	Construction							2,274.3
			SM								225.8
Project Total					330.0	172.5	10.0	0.0	0.0	2,500.0	
21934	NFHWY00395	Advanced Project Definition Provide funding to the State and City to develop new estimates for TIP projects.	STP	Planning	91.0			91.0			
			FAM		9.0			9.0			
Project Total					100.0	0.0	0.0	100.0	0.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30011	TBD	Barnette Street Reconstruction Reconstruct Barnette Street from 1st Avenue to Airport Way to include signal upgrades, decorative lighting, a dedicated bike lane, drainage improvements, intersection and sidewalk upgrades, utility relocation, signing and striping and landscaping. This project should be consistent with the Complete Streets concept of Cushman Street. <i>50% local match / 50% state match</i>	STP	Design			955.2			1,091.6	
			AC					1,091.6			
			ACC						-1,091.6		
			3PF				47.4		54.2		
			SM	Right-of-Way			47.4		54.2		
			STP							91.0	
			3PF							4.5	
			SM	Utilities							4.5
			STP							909.7	
			3PF							45.2	
			SM	Construction							45.2
			STP							11,007.4	
			3PF							546.3	
			SM							546.3	
Project Total					0.0	0.0	1,050.0	0.0	1,200.0	13,200.0	
32278	TBD	Bike Lane Striping & Signing Signing and striping of existing paved shoulders withing Fairbanks City Limits on City streets to accommodate bicyclists as designated bike lanes for seasonal use.	ILLU	Design						356.0	
				Right-of-Way						0.0	
				Utilities						10.0	
				Construction						1,733.0	
Project Total					0.0	0.0	0.0	0.0	0.0	2,099.0	
26078	NFWY00280	Chena River Walk Stage III Construct an approximately 3,200' long segment, multi-use asphalt path that is 10 feet wide with 2-foot gravel shoulders. The proposed path would be constructed on the north side of the Chena River from the existing Chena River pedestrian bridge crossing near Pioneer Park to the east side of Peger Road where the new path turns to a north/south orientation along Peger Road until it terminates at the southeast corner of the Peger Road and Phillips Field Road controlled intersection. <i>Bicycle and pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	CMAQ	Design	277.5						
			FAM		27.5						
			CMAQ	Right-of-Way			2.3				
			FAM				0.2				
			CMAQ	Utilities			2.3				
			FAM				0.2				
			STP	Construction					1,580.2		
			FAM				156.9				
			ACC						-1,580.2		
			AC				1,580.2				
Project Total					305.0	5.0	1,737.0	0.0	0.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond		
30099	NFHWY00290	College Road Bus Pullouts Construct new bus stop facilities along College Road. Work includes roadside hardware, drainage improvements, ADA improvements and utilities. <i>New pullouts may potentially increase transit ridership and reduce congestion since the enhanced facility may make transit safer for the rider. It will also reduce idling by moving the bus outside of the travel lane.</i>	STP	Design	181.9							
			FAF		45.5							
			SM		22.6							
			CMAQ	Right-of-Way		227.4						
			SM		22.6							
			CMAQ	Utilities					2.3			
			SM						0.2			
			STP	Construction						600.4		
			SM							59.6		
Project Total					250.0	250.0	0.0	662.5	0.0	0.0		
30012	NFHWY00126	Cowles Street Reconstruction Reconstruct Cowles Street from 1st Avenue through East Cowles Street. Project work will include roadside hardware, drainage improvements, intersection improvements, ADA improvements and utilities. <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	136.5							
			FAF		325.7							
			SM		22.9							
			3PF		22.9							
			STP	Right-of-Way				227.0				
			AC			227.0						
			ACC					-227.0				
			SM			11.3						
			3PF		11.3							
			STP	Utilities						190.4		
			AC					190.4				
			ACC							-190.4		
			SM						9.5			
			3PF		9.5							
			STP	Construction							2,199.2	2,199.2
			CMAQ							727.8	727.8	
			3PF								254.4	
			SM							326.7		
AC							5,126.1					
ACC								-2,926.9	-2,199.2			
Project Total					508.0	249.5	209.4	6,435.0	0.0	0.0		

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
22765	NFHWY00336	Coordinators Office Funding for the FAST Planning Coordinator's office which supports delivery of the FAST Planning's program.	STP	Planning	106.1	100.0	100.0	100.0	100.0	
			PL		274.6	277.1	277.1	277.1	277.1	
			FAM		37.8	37.4	37.4	37.4	37.4	
			FAF		10.0	10.0	10.0	10.0	10.0	
Project Total					428.5	424.5	424.5	424.5	424.5	0.0
38471	Z622070000	Cushman Street Bridge Rehabilitation Rehabilitate the Cushman Street Bridge and Cushman Street between the First Avenue and Terminal Street intersections. Project work will include bridge work, roadside hardware, ADA sidewalk and curb ramp improvements.	STP	Design		2.3				
			SM			0.2				
			AC	Construction				4,821.4		
			ACC						-2,410.7	-2,410.7
			STP						2,410.7	2,410.7
			SM					478.6		
Project Total					0.0	2.5	0.0	5,300.0	0.0	0.0
31516	NFHWY00425	Fairbanks Road/Rail Crossing Reduction/Realignment Plan The primary purpose of the PLAN is to serve as a long-range road/rail planning document. The PLAN will enable FAST Planning and its agency partners to implement a more efficient and effective approach to integrate passenger and freight rail elements into the larger multi-modal and intermodal transportation framework.	BANK	Planning	136.5					
			FAM		13.5					
			FAF		318.4					
			SM		31.6					
Project Total					500.0	0.0	0.0	0.0	0.0	0.0
29673 19096	NFHWY00365 NFHWY00434	FAST Improvement Program Pavement surface maintenance, traffic control signal upgrades, street light load center rehab, storm drain maintenance, reclaim/double chip, seal coat, crack sealing, roadway striping, sidewalks, dust control, signage replacement and intersection upgrades. <i>State pays design match and local governments pay construction match, per agreement.</i>	FAF	Design		327.5				
			SM			32.5				
			STP	Right-of-Way				2.3		
			SM					0.2		
			FAF	Utilities				21.4		
			SM					2.1		
			AC	Construction	1,731.9					
			ACC			-1,731.9				
			STP			2,604.8				
			FAF		939.4	159.7				
			SM		86.1	15.9				
			3PF		186.7	86.6				
Project Total					2,944.1	1,518.6	2.5	0.0	0.0	0.0

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
19096	NFHWY00165	FAST Intersection Improvement Program Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FAST Planning boundary.	FAF	Design	341.1					
			SM		33.9					
			STP	Right-of-Way		2.3				
			SM		0.2					
			STP	Utilities		2.5				
			SM		0.2					
			STP	Construction	132.3		272.9			
			FAF			161.0				
3PF		13.1	15.7	27.1						
Project Total					520.4	182.0	300.0	0.0	0.0	0.0
TBD	TBD	FAST Safety and Efficiency Program Low-cost improvements to enhance the safety and efficiency of the existing transportation system. Projects may include but are not limited to signing, striping, lighting upgrades, signal timing, signal controller upgrades and maintenance.	ILLU	All						
Project Total					0.0	0.0	0.0	0.0	0.0	0.0
30096 30689	NFHWY00282 NFHWY00454	FAST Sidewalk Improvement Program Fund projects that will improve connectivity, safety, mobility and access for pedestrians throughout the MPA. Includes "Growden Area Accessibility Improvements" ATAP project. <i>Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	BANK	Design	255.3					
			SM		25.3					
			TAP		111.0	80.1				
			3PF		11.0	7.9				
			STP	Right-of-Way		2.3				
			SM		0.2					
			STP	Utilities	9.1					
			SM		0.9					
			AC	Construction	1,074.7			694.1		
			TAP							
			FAF			146.5				
			3PF		221.4	14.5	142.9			
			ACC			-1,074.7				
CMAQ		313.8	727.8							
STP		1,155.5	760.9	17.3						
Project Total					2,864.2	251.6	1,582.1	0.0	0.0	0.0

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
16104	Z637840000	Gillam Way Reconstruction Reconstruct Gillam Way between Airport Way to 22nd Avenue including pedestrian and drainage improvements, utilities and traffic calming. <i>50% local match / 50% state match</i> <i>Pedestrian facilities that are not exclusively recreational and reduce vehicle trips are eligible under CMAQ.</i>	STP	Utilities	91.0						
			FAF		268.8						
			SM		17.9						
			3PF		17.9						
			STP	Construction	3,623.0	111.3					
			CMAQ		313.9						
			AC		111.3						
			ACC			-111.3					
			SM		304.0						
			3PF		304.0						
			FAF		2,077.1						
Project Total					7,128.8	0.0	0.0	0.0	0.0	0.0	
30029	TBD	Lacey Street Reconstruction Reconstruct Lacey Street from 1st to 12th Avenue. Reconstruction includes drainage improvements, intersection and sidewalk upgrades, utility relocation, signing, striping, and landscaping.	ILLU	Design						2,500.0	
				Right-of-Way						700.0	
				Utilities						925.0	
				Construction						10,000.0	
Project Total					0.0	0.0	0.0	0.0	0.0	14,125.0	
30105	TBD	Lathrop Street Extension Reconstruct sections of South Lathrop Street and extend it from the Alaska Railroad Crossing at Sanduri Street to the proposed entry road to the Tanana Lakes Recreation Area, at the Tanana River levee. Improvements include constructing a gravel road prism 30 feet wide and upgrade of the railroad crossing at Sanduri.	STP	Design		122.8					
			3PF			12.2					
			STP	Utilities				727.8			
			3PF					72.2			
			STP	Construction				467.6			
			3PF					46.4			
Project Total					0.0	135.0	0.0	1,314.0	0.0	0.0	
6587	Z628380000	McGrath Rd Upgrade Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed.	STP	Utilities	527.6						
			FAF		108.8	136.3					
			SM		63.2	13.5					
			STP	Construction				5,094.3			
			ACC					-5,094.3			
			AC					5,094.3			
			SM					505.7			
Project Total					699.6	5,749.8	0.0	0.0	0.0	0.0	
TBD	TBD	Metropolitan Transportation Plan Update Update FAST Planning Metropolitan Transportation Plan as required under 23 USC 134 (occurs every 4 years).	STP	Planning			136.5				
			FAM				13.5				
Project Total					0.0	0.0	150.0	0.0	0.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
31389	NFHWY00274	Minnie Street Upgrade Reconstruct Minnie Street from Erceg Street to the Old Steese Highway in accordance with the results of the Planning and Environmental Linkages study and approval of the Policy Board. Improvements may involve improving intersection geometries, upgrading sidewalks to meet ADA standards, storm drain system, utility relocations and rehabilitation or replacement of the Noyes Slough Bridge. <i>50% local match / 50% state match</i>	STP	Design		887.0			1,182.6		
			AC				1,182.6				
			ACC					-1,182.6			
			SM			44.0		58.7			
			3PF			44.0		58.7			
			STP	Right-of-Way						1,364.6	
			AC						1,364.6		
			ACC							-1,364.6	
			SM							67.7	
			3PF							67.7	
			STP	Utilities							909.7
			SM							45.2	
			3PF							45.2	
			STP	Construction							8,642.2
			SM							428.9	
3PF							428.9				
Project Total					0.0	975.0	0.0	1,300.0	1,500.0	10,500.0	
24960	TBD	Nelson Road Bicycle & Pedestrian Facility Construct a bicycle and pedestrian facility along Nelson Road by adding shoulders or a seperated multiuse path.	ILLU	Design						1,153.0	
				Right-of-Way						150.0	
				Utilities						770.0	
				Construction						5,919.0	
Project Total					0.0	0.0	0.0	0.0	0.0	7,992.0	
32398	NFHWY00446	Non-Motorized Plan Update Update FMATS Non-Motorized Plan (2012) to improve conditions for bicyclists and pedestrians with the Metropolitan Planning Area.	STP	Planning	136.5						
			FAF			33.7					
			FAM		13.5	3.3					
Project Total					150.0	37.0	0.0	0.0	0.0	0.0	
30106	NFHWY00269	North Pole Streetlight Standardization Upgrade the streetlights in older subdivisions and illuminate several areas in the city currently not illuminated. Consolidate the streetlights on to one or a few circuits.	BANK	Design	163.7						
			3PF		16.3						
			STP	Utilities					91.0		
			AC				91.0				
			ACC						-91.0		
			3PF				9.0				
			AC	Construction					532.1		
			3PF						116.1		
			STP						637.8	532.1	
ACC							-532.1				
Project Total					180.0	0.0	100.0	1,286.0	0.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
30100	NFHWY00158	Old Richardson Highway Intersection Improvements Improve intersections in North Pole at Santa Claus Lane and East 5th Avenue and North Pole High School Boulevard at Old Richardson Highway and 8th Avenue. The railroad crossings will also be improved to current standards.	STP	Design	300.2						
			SM		29.8						
			STP	Right-of-Way		2.3					
			SM			0.2					
			STP	Utilities			2.3				
			SM				0.2				
			STP	Construction				545.8			
			SM					54.2			
Project Total					330.0	2.5	2.5	600.0	0.0	0.0	
32399	NFHWY00463	Road Service Area Expansion Plan Develop plan to expand existing Road Service Areas (RSAs) or create new RSAs to address "orphan roads," including funding to upgrade roads to current standards.	STP	Planning	100.0						
			BANK			100.0					
			3PF		50.0						
Project Total					150.0	100.0	0.0	0.0	0.0	0.0	
30093	NFHWY00246	Sign Replacement - Stage III Replace signs in accordance with each entity's established sign management plans to meet the requirements of the MUTCD.	STP	Design		2.3					
			3PF			0.2					
			STP	Right-of-Way		2.3					
			3PF			0.2					
			STP	Utilities		2.3					
			3PF			0.2					
			AC	Construction			1,819.4				
			3PF				180.6				
			ACC					-1,819.4			
STP					1,819.4						
Project Total					0.0	7.5	2,000.0	0.0	0.0	0.0	
26087	NFHWY00014	Tanana Loop and South Chandalar Drive Intersections Reconstruct the intersections of Tanana Loop/Alumni Drive, Tanana Loop/South Chandalar Drive, and Salcha Street/South Chandalar Drive including the portions of South Chandalar Drive between the intersections up to Amber Lane and any additional road construction required by intersection improvements. Reconstruct the existing pedestrian facilities and construct new pedestrian facilities on Alumni Drive, Tanana Loop, Salcha Street, and South Chandalar Drive. Project includes roadside hardware, utilities, drainage improvements, intersection improvements, and ADA improvements.	STP	Design	68.2						
			FAF		76.4	40.8					
			FAM		14.4	4.1					
			STP	Construction			2,954.2				
			CMAQ				182.0				
			FAF				146.6				
			FAM & 3PF				325.9				
Project Total					159.0	3,653.5	0.0	0.0	0.0	0.0	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond	
29969	NFHWY00137	Wembley Avenue Improvements <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>	CMAQ	Construction	136.4						
			ACC		-136.4						
			FAF		40.9						
			SM		4.1						
Project Total					40.9	0.0	0.0	0.0	0.0	0.0	
32178	NFHWY00448	Woll Road Resurfacing & Widening <i>Resurface and widen Woll Road from Bradway Road to Ownby Road.</i>	STP	Design	350.2		227.4				
			SM		34.8		22.6				
			STP	Right-of-Way			2.3				
			SM				0.2				
			STP	Utilities				181.9			
			SM				18.1				
			STP	Construction						2,065.0	
			SM							205.2	
Project Total					385.0	0.0	252.5	200.0	0.0	2,270.2	
99392	NFHWY00139	Yankovich/Miller Hill Road Reconstruction <i>Reconstruct Miller Hill Road and Yankovich Road, and improve existing separated multi-use path as needed. Project work will include roadside hardware, drainage improvements, and utilities.</i>	STP	Right-of-Way			636.8				
			SM			63.2					
			ACC				-636.8				
			AC			636.8					
			STP	Utilities				664.3			
			SM				66.0				
			ACC					-664.3			
			AC				664.3				
			ACC	Construction						-2,079.6	-2,079.6
			SM					412.9			
STP						2,079.6	2,079.6				
AC						4,159.1					
Project Total					0.0	700.0	730.3	4,572.0	0.0	0.0	

**FAST Planning 2019 - 2023 TRANSPORTATION IMPROVEMENT PROGRAM
Administrative Modification #2, Draft 02.21.20**

NID	IRIS	Project Description	Fund Code	Phase	FFY19	FFY20	FFY21	FFY22	FFY23	Beyond
Funding (Revenue) Summary										
		Surface Transportation Program	STP		7,528.1	7,716.3	7,909.2	8,106.9	8,309.6	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	727.8	727.8	
		Planning	PL		274.6	277.1	277.1	277.1	277.1	
		Transportation Alternatives Program	TAP		188.3	80.1	694.1	454.9	0.0	
		Banking from Previous Year	BANK		555.5	100.0	0.0	0.0	0.0	
					9,274.3	8,901.2	9,608.2	9,566.6	9,314.5	
		<i>This shows the overall match required for the federal funds above.</i>								
		STP Match			747.3	765.9	785.1	804.7	824.8	
		CMAQ Match			72.2	72.2	72.2	72.2	72.2	
		Planning Match			27.3	27.5	27.5	27.5	27.5	
		TAP Match			18.7	7.9	68.9	45.2	0.0	
		Banking Match			55.1	9.9	0.0	0.0	0.0	
					920.6	883.5	953.7	949.6	924.6	
					10,194.8	9,784.7	10,561.9	10,516.3	10,239.1	
					Funding (Revenue) Total					
Projected Obligations Summary										
		Fund Code Description	Fund Code		2019	2020	2021	2022	2023	
Federal Summary										
		Surface Transportation Program	STP		7,528.1	7,716.3	7,820.4	8,106.9	9,597.0	
		Congestion Mitigation/Air Quality	CMAQ		727.8	727.8	727.8	730.1	727.8	
		Planning	PL		274.6	277.1	277.1	277.1	277.1	
		Transportation Alternatives Program	TAP		188.3	80.1	694.1	454.9	0.0	
		Banking from Previous Year	BANK		555.5	100.0	0.0	0.0	0.0	
					9,274.2	8,901.2	9,519.5	9,569.0	10,601.9	
					<i>Federal Subtotal</i>					
		Advanced Construction	AC		2,917.9	5,958.1	4,345.3	16,914.2	2,456.2	
		Advance Construction Conversion (Payback)	ACC		-136.4	-2,917.9	-5,958.1	-4,345.3	-10,224.7	
					<i>AC/ACC Subtotal</i>					
					2,781.5	3,040.2	-1,612.8	12,568.9	-7,768.5	
Federal Match Summary										
		State Match	SM		706.8	727.4	147.1	1,408.9	121.9	
		Local Government Match	3PF		872.7	193.0	430.1	742.1	121.9	
		FAST Planning Match	FAM		115.8	45.3	207.8	46.5	37.4	
					<i>Match Subtotal</i>					
					1,695.4	965.7	785.0	2,197.5	281.2	
					10,969.6	9,866.9	10,304.4	11,766.5	10,883.1	
Illustrative Summary										
		Illustrative (Funding Placeholder)	ILLU		0.0	0.0	0.0	0.0	0.0	
					0.0	0.0	0.0	0.0	0.0	
Appropriation Fund Summary (State & Offset Funds)										
		FAST Planning Appropriation Funds	FAF		4,552.1	1,183.5	10.0	10.0	10.0	
					<i>TOTAL</i>					
					4,552.1	1,183.5	10.0	10.0	10.0	
					GRAND TOTAL					
					15,521.7	11,050.4	10,314.4	11,776.5	10,893.1	

STP: Surface Transp. Prog., SM: State Match, 3PF: 3rd Party Funding, CMAQ: Congestion Mitigation Air Quality, TAP: Transp. Alts Prog., ILLU: Illustrative, AC: Adv. Constr., ACC: Adv. Constr. Conversion, FAF/FAM: FAST Approp. Funds/Match