

MEMORANDUM

State of Alaska

Department of Transportation & Public Facilities Division of Program Development

TO: Marc Luiken
Commissioner

DATE: September 30, 2015

THRU: Mike Vigue, Director
Program Development

PHONE NO: 465-4070
FAX NUMBER: 465-6984

FROM: Maren Brantner
STIP Planner

SUBJECT: Recommend Approval of
FMATS 2015-2018 TIP

The FMATS Policy Committee approved the original FMATS 2015-2018 Transportation Improvement (TIP) on August 12, 2015 and the revised TIP on September 16, 2015.

In accordance with the agreement between FMATS and Alaska DOT&PF, the Fairbanks MPO coordinator and FMATS Policy Committee has determined the FMATS 2015-2018 TIP has met all the requirements of US Code Title 23, Section 134 and is fiscally constrained by the allocations made in the Draft 2016-2019 Statewide Transportation Improvement Program (STIP). A conformity analysis was developed for the TIP satisfying the requirements of §93.118. Through this analysis, a finding of conformity for PM2.5 and CO is supported for the TIP, although the final determination is the responsibility of FHWA and FTA.

Your approval of the FMATS 2015-2018 TIP is recommended and required as the statutory designee for all state transportation planning matters.

Approved: _____

Marc Luiken, Commissioner

Date: _____

9/30/15

Attachment: FMATS 2015-2018 TIP with tables
FMATS 2015-2018 TIP approval request letter
2015-2018 FMATS TIP Conformity Analysis
Interagency coordination emails

CC: David Miller, Director, ADOT&PF Northern Region
Margaret Carpenter, FMATS Planner, ADOT&PF Northern Region
Ned Conroy, FTA
Sandra Garcia-Aline, FHWA
Donna Gardino, FMATS Coordinator

"Keep Alaska Moving through service and infrastructure."

Sheila Good, STIP Manager, ADOT&PF Headquarters

Richard F. Krochalis, FTA

Bob Laurie, Planner, Bicycle/Pedestrian Coordinator, ADOT&PF Headquarters

John Lohrey, FHWA

Sara Mason, Chief of Statewide Surface Transportation Programs, ADOT&PF

Shelley Potter, Program Development Planner, ADOT&PF Northern Region



U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION
ALASKA DIVISION
709 W. 9TH STREET, ROOM 851
P.O. BOX 21648
JUNEAU, ALASKA 99802-1648

FEDERAL TRANSIT ADMINISTRATION
915 SECOND AVENUE, SUITE 3142
SEATTLE, WASHINGTON 98174

November 19, 2015

Mr. David Miller, P.E.
Northern Region Director
Department of Transportation and Public Facilities
2301 Peger Road
Fairbanks, AK 98174-1002

In Reply Refer To:
TRAP 19-4

Dear Mr. Miller:

The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) have received the Fairbanks Metropolitan Area Transportation System (FMATS) Air Quality Conformity Analysis and Technical Appendix for the 2015 – 2018 Transportation Improvement Program (TIP).

Fairbanks is a CO maintenance area with an approved Limited Maintenance Plan (LMP). The LMP does not require an emission budget or a regional emissions analysis. Other conformity requirements still apply, primarily the requirement for implementation of Traffic Control Measures (TCMs). Fairbanks has two TCMs, one relating to vehicle plug-ins and the other for transit system improvements. Both TCMs are implemented and the requirements for CO conformity are met for the 2015 – 2018 TIP.

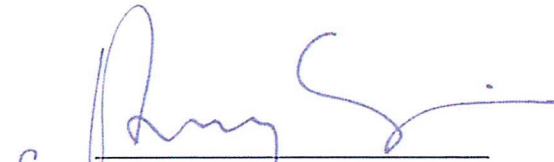
Fairbanks was designated nonattainment for PM 2.5 effective December 14, 2009. A conformity finding for the 2040 Metropolitan Transportation Plan (MTP) was approved in January 2015. Interagency consultation confirmed that the projects contained in the 2015 – 2018 TIP were either consistent with those contained in the 2040 MTP or were exempt from conformity under 40 CFR 93.126 and 93.127. Since all non-exempt projects were consistent with those in the 2040 MTP, 40 CFR 93.122(g)(1) permits reliance on the regional emissions analysis from the MTP. Each of the criteria under 40 CFR 93.122(g)(1) is met, and the 2040 MTP regional emissions analysis was used for the conformity determination of the 2015 – 2018 TIP.

Based on our review, the FHWA and FTA approve the conformity determination for the FMATS 2015-2018 TIP. If you have any questions, please contact Mr. John Lohrey, FHWA Statewide Programs Team Leader at (907) 586-7428, or Mr. Ned Conroy, FTA Community Planner at (206) 220-4318.

Sincerely,



Sandra A. Garcia-Aline
Division Administrator
Federal Highway Administration



for R.F. Krochalis
Regional Administrator
Federal Transit Administration

Electronically cc:

Mike Vigue, DOT&PF, Director, Division Program Development
Judy Chapman, Planning Chief, ADOT&PF Northern Region
Donna Gardino, FMATS Coordinator
Ned Conroy, FTA



September 29, 2015

State of Alaska Department of Transportation and Public Facilities
Commissioner Marc Luiken
3132 Channel Drive Juneau, AK 99811

RE: FMATS 2015 – 2018 Transportation Improvement Program Revised

Dear Commissioner Luiken:

Attached for approval and inclusion in the STIP, required under 23 USC 450.326, is the Fairbanks Metropolitan Area Transportation System (FMATS) 2015 – 2018 Transportation Improvement Program (TIP). This TIP was developed in conformance with 23 USC 134 and all applicable federal requirements for Metropolitan Planning Organizations and is fiscally constrained. The FMATS Policy Committee approved the TIP document and the associated conformity analysis on August 12, 2015. Subsequently, the DOT&PF requested that FMATS amend the summary of the TIP to a different format and the Policy Committee approved the revised TIP on September 16, 2015. See attached action items documenting this approval. The TIP was developed in cooperation with the State of Alaska Department of Transportation and Public Facilities and affected transit operators. FMATS would like to receive approval from DOT&PF for fiscal constraint and receive a conformity determination and planning finding from the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The deadline to preclude a TIP and conformity lapse is September 30, 2015.

Through consultation with the agencies responsible for air quality, a conformity analysis was developed for the TIP satisfying the requirements of §93.118. Latest planning assumptions were used to update the travel model for the Metropolitan Transportation Plan (MTP), approved in January 2015. The FHWA and FTA agreed that the TIP was consistent with the MTP planning effort and therefore, a new emissions analysis was not required. Through this process, a finding of conformity for PM_{2.5} and CO is supported for the TIP, although the final determination is the responsibility of the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). The Conformity Determination and TIP were released for public comment from June 17 – July 24, 2015. FHWA and FTA concurrence is attached.

Contained in the TIP are projects on the NHS system and other regionally significant projects. These projects were identified in the Draft 2016 – 2019 Statewide Improvement Program and (STIP) are provided for informational purposes only. The projects and associated timelines and funding are in draft form and are subject to change upon approval of the STIP.

Concurrent with the submission of the TIP to the FHWA and the FTA as part of the STIP, FMATS certifies that the metropolitan planning process is being carried out with all applicable requirements, including;

- 1) 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;

- 2) Sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 90;
- 3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- 4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- 5) Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- 6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- 7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) and 19 CFR parts 27, 37 and 38;
- 8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibition discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- 9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- 10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Once the Governor's approval is received, we request that the TIP and associated Conformity Determination be forwarded to the FHWA and FTA for their review and approval of the Conformity Determination as well as a planning finding based on our self-certification. Please contact Donna Gardino at donna.gardino@fmats.us if you have any questions and advise when the TIP is approved by the Governor. Thank you.

Sincerely,

Mayor Bryce Ward
FMATS Policy Committee Chair



CC: David Miller, ADOT&PF

John Lohrey, FHWA

Ned Conroy, FTA

Margaret Carpenter, ADOT&PF



**Policy Committee
Action Items
08.12.15**

Motion: To approve the Complete Streets Policy for public comment. (Heil/Golub).

Amendment to the Motion: Under "Principles of Complete Streets, E., Modify as follows: Allow flexibility in balancing user needs including maintenance needs and temporary snow storage." (Cleworth/Walley). None opposed. Approved.

Amendment to the Motion: Under Exemptions to Policy, add a new bullet "Funding limitations." (Cleworth/Walley). None opposed. Approved.

Amendment to the Motion: Under Maintenance and Operations, add "resurfacing" to the list contained within the second bullet. (Miller/Heil). None opposed. Approved.

Amended Motion: To approve the Complete Streets Policy for public comment with the following additions: Under "Principles of Complete Streets, E., modify as follows: Allow flexibility in balancing user needs including maintenance needs and temporary snow storage." Under Exemptions to Policy, add a new bullet "Funding limitations, and Under Maintenance and Operations, add "resurfacing" to the list contained within the second bullet. None opposed. Approved.

Motion: To approve the Conformity Analysis for the Federally Approved FMATS 2015 – 2018 Transportation Improvement Program (TIP). (Heil/Golub). None opposed. Approved.

Motion: To approved the Responsiveness Summary with inclusion of the \$50,000 for the Gold Hill Road Project, PH2. (Heil/Golub). None opposed. Approved.

Motion: To approve the FFY2015 – 2018 Transportation Improvement Program. (Heil/Golub). None opposed. Approved.

Motion: To approve the letter regarding the 2016 - 2019 STIP. (Cleworth/Walley). None opposed. One abstension. (Miller). Approved.

Motion: To enter into Executive Session. (Golub/Heil). No action was taken.

A handwritten signature in black ink, appearing to read "Bryce Ward", is written over a horizontal line.

Bryce Ward, Chair
Policy Committee

8-12-15

Date

Donna Gardino

From: Ned.Conroy@dot.gov
Sent: Wednesday, July 08, 2015 9:54 AM
To: Jeff.Houk@dot.gov; Donna Gardino; judy.chapman@alaska.gov; margaret.carpenter@alaska.gov; linda.mahlen@alaska.gov; scott.vockeroth@alaska.gov; cnelson@fnsb.us; rlovell@fnsb.us; gmiller@co.fairbanks.ak.us; lee.borden@alaska.gov; cindy.heil@alaska.gov; denise.koch@alaska.gov; Pepple.Karl@epa.gov; vaupel.claudia@epa.gov; John.Lohrey@dot.gov; maronson@kittelton.com; tcarlson@sierraresearch.com
Cc: Alicia Giamichael; sara.mason@alaska.gov
Subject: RE: Interagency Consultation on Air Quality Conformity for the FMATS 2015-2018 Draft TIP

FTA concurs with findings.

Ned Conroy
Federal Transit Administration
Region 10
Seattle, WA
206.220.4318

From: Houk, Jeff (FHWA)
Sent: Wednesday, June 24, 2015 11:33 AM
To: Donna Gardino; 'Chapman, Judy (DOT)'; 'Margaret Carpenter'; 'Linda Mahlen'; Vockeroth, Scott Gordon (DOT); 'Christine Nelson'; Lovell, Ron (DEC sponsored) (rlovell@fnsb.us); 'Glenn Miller (FNSB)'; 'Lee Borden'; 'cindy.heil@alaska.gov'; Denise Koch; 'Karl Pepple (Pepple.Karl@epa.gov)'; 'Claudia Vaupel'; Lohrey, John (FHWA); Conroy, Ned (FTA); 'maronson@kittelton.com'; Tom Carlson
Cc: Alicia Giamichael; 'sara.mason@alaska.gov'
Subject: RE: Interagency Consultation on Air Quality Conformity for the FMATS 2015-2018 Draft TIP

I have no comments. For future TIP conformity determinations, you don't need to repeat all of the background information and modeling discussion from the MTP analysis, you can just reference the MTP conformity documentation. All that's really necessary for documenting TIP conformity is the content in sections 3.4 and 5. As a reminder, you also don't need to model VMT between a TIP-only network and the full MTP network (it's fine to include it in this document, since it's already done, but you don't need to do that for future TIPs).

Jeff

From: Donna Gardino [<mailto:donna.gardino@fmats.us>]
Sent: Wednesday, June 17, 2015 5:42 PM
To: 'Chapman, Judy (DOT)'; 'Margaret Carpenter'; 'Linda Mahlen'; Vockeroth, Scott Gordon (DOT); 'Christine Nelson'; Lovell, Ron (DEC sponsored) (rlovell@fnsb.us); 'Glenn Miller (FNSB)'; 'Lee Borden'; 'cindy.heil@alaska.gov'; Denise Koch; 'Karl Pepple (Pepple.Karl@epa.gov)'; 'Claudia Vaupel'; Houk, Jeff (FHWA); Lohrey, John (FHWA); Conroy, Ned (FTA); 'maronson@kittelton.com'; Tom Carlson
Cc: Alicia Giamichael; 'sara.mason@alaska.gov'
Subject: Interagency Consultation on Air Quality Conformity for the FMATS 2015-2018 Draft TIP

Hello!

Attached is the Draft Conformity Analysis for the Draft 2015 – 2018 Transportation Improvement Program (TIP) for your review and comment. Also attached are the appendices which include minutes of our two prior consultations regarding this effort as well as the Draft TIP.

As you can see, a key finding was that the specific projects contained in the TIP were either consistent with those contained in the earlier approved 2040 MTP(MTP) or were found to be exempt from conformity or regional emissions analysis requirements as defined under 40 CFR 93.126 and 93.127. Since all non-exempt projects were consistent with those in the previous plan, 40 CFR 93.122(g)(1) permits reliance on the regional emissions analysis from that plan. Thus the regional emissions analysis from the MTP was utilized for the conformity determination for this TIP regarding PM_{2.5}. The analysis for the MTP concluded that total regional vehicle-related PM_{2.5} and NOx precursor emissions associated with the implementation of the MTP for the analysis years 2030, 2030, and 2040 have been estimated and are no greater than the 2008 baseline motor vehicle emissions, thus passing the required “not to exceed baseline” interim emissions test. See Section 5.2.

A regional emissions test was not required for CO since Fairbanks has an approved CO Limited Maintenance Plan in place. All other CO conformity requirements are met as explained in Section 5.3.

Please review these findings and forward your comments or concurrence to me by July 8, 2015. If I do not hear from you, I will assume you concur with our findings. As always, an interagency teleconference can be held to discuss these findings, upon request.

Thank you for your review and participation.

Donna Gardino
MPO Coordinator
donna.gardino@fmats.us
907-459-6786



FMATS



FAIRBANKS METROPOLITAN AREA TRANSPORTATION SYSTEM



2015 – 2018

Transportation Improvement Program

Approved August 12, 2015

FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

FMATS 2015 – 2018 TRANSPORTATION IMPROVEMENT PROGRAM (TIP) DEVELOPMENT PROCESS

This TIP was developed in accordance with 23 USC 134. Federal regulations (23 CFR 450.324) require that the MPO develop a TIP covering a period of no less than four years and be updated at least every four years. It is to be approved by the MPO and the Governor. The MPO developed the TIP in cooperation with the State and affected public transportation operators and the Alaska Railroad.

The TIP includes capital and non-capital service transportation projects within the boundary of the MPO including Non-Motorized projects, Highway Safety Improvement Projects, trail projects, transit, congestion mitigation and air quality projects. Also included are several metropolitan planning projects. It contains all regionally significant projects regardless of funding source. The TIP was developed in consideration of other planning activities within the metropolitan area particularly with those that receive assistance to provide non-emergency transportation services, recipients of assistance under title 49 USC Chapter 53 and 23 USC 204, tribal governments, and State, Federal and local land management agencies. The TIP development process satisfies the public hearing requirements of Section 5307(c). The public notice of public involvement activities and time established for public review and comment on the TIP satisfies the program-of-project requirements of the Urbanized Area Formula Program. See 23 CFR Part 450 and 49 CFR Part 613 (specifically Subpart B and C).

This TIP was developed in conformance with 23 USC 134, 49 USC 5303, 23 CFR Part 450, sections 174 and 176 (c) and (d) of the Clean Air Act as amended (42 USC 7504, 7506 (c) and (d)), 40 CFR Part 93, Title VI of the Civil Rights Act as amended (42 USC 2000d-1) and 49 CFR Part 21, 49 USC 5332, Section 1101(b) of the SAFETEA-LU (Pub. L 109-59 and 49 CFR part 26, 23 CFR part 230, provisions of the Americans with Disabilities Act of 1990 (42 USC 12101 *et seq.*), 49 CFR parts 27, 37, and 38, the Older Americans Act as amended (42 USC 6101), 23 USC 324, Section 504 of the Rehabilitation Act of 1973 (29 USC 794) and 49 CFR 27 and all other applicable federal requirements for Metropolitan Planning Organizations.

CONSULTATION

The public involvement process is described in 23 CFR Section 450.316. The Public Participation Plan (PPP) and Project Scoring Criteria were approved in 2013 and 2015 respectively, and employed for this TIP Development process. The Project Scoring Criteria may be found at the FMATS website: <http://fmats.us/tipprojects/2015-2018-transportation-improvement-program-tip/>. The PPP is located here: <http://fmats.us/programs/public-participation/>

This report was funded in part through grant(s) from the Federal Highway Administration, U.S. Department of Transportation. The views and opinions of the Fairbanks Metropolitan Area Transportation System expressed herein do not necessarily state or reflect those of the U.S. Department of Transportation.

FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

The PPP outlines the consultation efforts to be made during the Draft TIP development process to ensure all have adequate opportunity to comment. FMATS also developed a TIP-specific Public Participation Plan for this consultation process. Two public meetings, website postings and a mailing (newsletter) were employed. Public service announcements, online public notices and print ads were also released to seek comment on the Draft TIP. The public comment process was also posted on Twitter and Facebook. In addition, FMATS made the following efforts to get the word to the entire Fairbanks area and to try to capture hard to reach citizens and those who do not usually attend public meetings:

- Presentation Fairbanks Chamber of Commerce Transportation Committee on July 9
- Set up a booth at the Tanana Valley Farmer's Market on Saturday, July 11
- Half-hour radio interview regarding the TIP on Newsradio 970 KFBX-FM
- Interview conducted on 96.9 KYSC-FM
- 12 minute television interview on The Hawk Shop on July 19.

Project nominations were requested from December 10, 2014 – January 12, 2015. The Project Evaluation Criteria was approved by the Policy Committee on January 21, 2015, after a 30 day public comment period. As agreed to by the Technical Committee, all projects in the short range of the newly approved *Metropolitan Transportation Plan: A Road Map to 2040*, were scored. FMATS staff developed project nominations for all the projects that were not submitted by others. All nominations were presented to the Technical Committee at a special meeting held on February 18, 2015 to give everyone a chance to ask questions about each of the nominations. The scoring summary and projects were presented to the Policy Committee on March 18 and again on April 15 and May 20 after new project estimates were obtained from the DOT&PF. Projects were incorporated into the TIP, as funding allowed, with the priority given to existing projects.

The comment period for the Draft TIP and Conformity Analysis is from June 17, 2015 – July 17, 2015 but was extended to July 24, 2015. Two public meetings were held and a newsletter was emailed to over 500 agencies and members of the interested public to allow for notification that comments were being solicited on the Draft TIP. The meetings were held at the North Pole City Council Chambers on June 23, 2015 and the City of Fairbanks Council Chambers on June 24, 2015. In an effort to ensure public involvement of low-income, minority groups in the development process, meetings were held after work hours and on the transit route in Fairbanks.

Agencies contacted via newsletter included representatives of public transportation, the disabled, users of pedestrian walkways and bicycle facilities, tribal organizations, and state and federal governments. These contacts were obtained through FMATS' participation in the Fairbanks

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

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Transportation Partnership Group. A copy of the newsletter may be found on the web at:

<http://fmats.us/2015/06/17/late-2015-spring-newsletter/>.

Advertisement of the comment period appeared in the newspaper six times over the month, on the radio and included in online public notices for the State of Alaska and the Fairbanks North Star Borough (FNSB).

Comments received are posted online and were discussed at the Technical Committee and Policy Committees' August meetings. A Responsiveness Summary that lists all comments and responses has been developed and published on the FMATS website and will be summarized herein.

FISCAL CONSTRAINT

This TIP has been adjusted to reflect actual anticipated funding levels. It is a snapshot of expected projects, their schedules and fund sources. As required by federal law (23 USC 134), it is fiscally constrained to reflect reasonably expected funding. The funding levels are conservative estimates of federal funding levels, given that the new highway authorization bill has not been finalized. The federal funding estimates used in this TIP were provided by the State of Alaska Department of Transportation and Public Facilities Northern Region (ADOT&PF) Fairbanks Transportation Planner.

FMATS requested new estimates from the DOT&PF for all projects included in the TIP. These estimates were based on detailed information for each project provided by the nomination package and the new Project Background Report (PBR) developed by the ADOT&PF Planning department. Any project that will be initiated in this TIP in the future will have a new estimate developed if it is over 18 months old. As projects advance through project development to construction, these planning/programming-level assumptions are replaced with more recent and rigorous cost estimates performed by project designers, and inherently address fiscal constraint.

When the DOT&PF releases the Draft 2016 – 2019 Statewide Transportation Improvement Program (STIP), FMATS will verify the funding levels and include, for informational purposes, any regionally significant projects in the TIP.

The TIP includes a financial plan that demonstrates how it will be implemented. It indicates, by funding source, public and private sources that are reasonably expected to be available to carry out the program. Projects (or an identified phase of a project) are included only if funding can reasonably be anticipated to be available for the project within the time period contemplated. It identifies innovative financing techniques when applicable. It also includes an **Illustrative Project**

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

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listing, which are additional projects that would be included in the approved TIP if reasonable additional resources, beyond those identified in the financial plan, were available. As of recently, FMATS has had to “bank” funds from a previous year to ensure construction of a project in future years, as the federal allocation has been significantly reduced and delays in design have caused schedules to slip. FMATS will strive to get more shelf-ready projects in the mill, but some method of saving funds must be available as it is not uncommon for urban projects to be \$10 million/mile or more.

The MPO, transit operator and the State cooperatively developed estimates of funds that are reasonably expected to be available to support the TIP implementation in accordance with 23 CFR 314(a). FMATS conferred with Federal Transit Administration (FTA) and the transit operator on expected funding levels for the next four years. The TIP, as developed, has limited all four years of funding based on those that are “available” or “committed” as defined in 23 CFR 450.104.

Several significant projects have been constructed in the last four years, demonstrating progress in improving the transportation infrastructure of the urbanized area. These projects include: Illinois Street Reconstruction, Streetlight Conversion Stage III, South Cushman from Airport Way to Sanduri, College Road Rehabilitation, Wickersham Upgrades Stage I, Yankovich-Miller Hill Road Bicycle and Pedestrian Facility Stage I, Chena Small Tracts Improvements, FMATS Pedestrian Improvements, North Pole Interchange Pedestrian Improvements, Plack Road Bicycle and Pedestrian Improvements and many preventive maintenance projects.

TRANSPORTATION CONFORMITY

Transportation conformity is required by section 176(c) of the Clean Air Act and the U.S. Environmental Protection Agency’s (EPA) conformity rule requires that transportation plans, programs and projects that are funded under 23 USC of the Federal Transit Act conform to Statewide Implementation Plans (SIP). Conformity to a SIP means that transportation activities will not produce new air quality violations, worsen existing violations or delay timely attainment of the National Ambient Air Quality Standards (NAAQS).

The EPA originally designated a portion of the FNSB as a “Moderate Non-Attainment Area” for carbon monoxide (CO). In March 1998, EPA reclassified Fairbanks to a “Serious CO Non-Attainment Area” as mandated by the 1990 Clean Air Act Amendments since it failed to attain the ambient CO standard by the end of 1995. Effective April 5, 2002, EPA made a determination that the Fairbanks area had attained the NAAQS for carbon monoxide. The State submitted an Air Quality Maintenance Plan on June 21, 2004, and EPA made a formal “CO Maintenance Area” designation approving this

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

plan on September 27, 2004. Fairbanks has not recorded an exceedance of the ambient CO standard since 2000. A CO Limited Maintenance Plan was approved by the EPA on August 9, 2013 as it was demonstrated that the Fairbanks area will maintain the CO (NAAQS) through the second 10-year maintenance period. While EPA's Limited Maintenance Plan (LMP) Option does not exempt an area from the need to affirm conformity, it explains that the area may demonstrate conformity without submitting an emissions budget. However, FMATS has documented that the TIP provides for:

- timely implementation of the SIP control measures in accordance with 440 CFR 93.108;
- complies with fiscal constraint
- interagency consultation procedures meet the applicable requirements of 40 CFR 93.105;
- conformity of the plan is demonstrated in accordance with the timing requirements specified in 40 CFR 93.104;
- projects do not cause or contribute to any new localized carbon monoxide or particulate matter violations; and
- project sponsors and/or operators provide written commitments as specified in 40 CFR 93.125.

EPA designated Fairbanks nonattainment for the 2006 PM_{2.5} standard, effective December 14, 2009. Conformity for the PM_{2.5} standard applied one year after the effective date (December 14, 2010). EPA published the Transportation Conformity Rule PM_{2.5} and PM₁₀ Amendments on March 24, 2010; the rule became effective on April 23, 2010¹ (EPA, 2010a). This PM Amendments Final Rule amends the conformity regulation to address the 2006 PM_{2.5} national ambient air quality standard (NAAQS).

Through interagency consultation with the air quality agencies, it was determined that a new emissions analysis was not required for this TIP for PM_{2.5}. It was found that the TIP, and its projects, were consistent with the regional emissions analysis performed for the recently completed Metropolitan Transportation Plan and would suffice for this TIP. The conformity analysis was reviewed by FHWA and FTA and they concurred with FMATS that a new analysis was not required. Concurrence was received from FHWA on June 24, 2015 and FTA on July 8, 2015.

NON-FEDERAL CONTRIBUTIONS

All projects and programs funded under Title 23 and 49 of the USC must be listed in the TIP (23 CFR 216(g)). Highway and transit maintenance and operations (M & O) activities typically do not involve

¹ U.S. Environmental Protection Agency, 2010. 40 CFR Part 93. "Transportation Conformity Rule PM_{2.5} and PM₁₀ Amendments; Final Rule." Federal Register, March 24, 2010, Vol. 75, No. 56, p. 14260.

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

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Federal funds, and are therefore not listed individually in the TIP but are discussed below. The law requires the TIP demonstrate that appropriate funds are available to adequately operate and maintain the transportation system.

The City of Fairbanks, North Pole or the State of Alaska provide for the maintenance of those federally funded roads within the MPO. The FNSB does not have road powers. Typically, the State maintains the National Highway System (NHS) routes, arterials and some collectors within the MPO while the Cities maintain collector and the local roads. The majority of the funds used to pay for the DOT&PF's M & O activities are State funds and are included with the annual State operating budget.

The City of Fairbanks is currently maintaining approximately 354 lanes miles at an estimated cost of \$11,401 per lane mile. This estimate was developed through an in-depth line item review of the City of Fairbanks Public Works Department 2015 operating budget. It includes salaries and wages, training, supplies, materials, contractual services, storm drain maintenance, vehicle parts, supplies and service and equipment. Maintenance of the City of Fairbanks road network has proven to be sustainable in the past and foreseen to be in the future.

The City of North Pole has approximately 18 miles of city-maintained roads and all but four are paved. The City roads serve primarily residential neighborhoods with speed limits that range between 20 and 25 miles per hour. Most of the City's roads are in good condition as a result of FMATS Special Projects that have helped finance the repaving of many roads. FMATS and ADOT&PF funding have also assisted the City to replace street and traffic control signs, install LED streetlights, and crack seal roads. Over the next several years, the City hopes to repave approximately three miles of roads not yet repaved since they were constructed over 30 years ago. The City engages in annual road maintenance projects to address issues like potholes, sinkholes, road subsidence and pavement cracking. There are approximately 10 miles of pedestrian paths throughout the City. The City clears the pedestrian paths of snow in winter and sweeps them during the summer. These pedestrian paths need the same maintenance as City roads. FMATS funding has been a valuable resource for the rehabilitation of the pedestrian paths. The City also needs to rehabilitate drainage ditches throughout the City to promote drainage. The drainage ditches have accumulated decades of silt, gravel and organic material and many need to be rehabilitated to achieve good drainage. The City funds its road maintenance activities and FMATS matching contributions with revenues generated by sales and property taxes.

For purposes of transportation M& O, maintenance agreements are in place, prior to construction, for any project funded in the TIP.

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

Transit M & O activities are funded by a variety of federal and non-federal sources (local and state government, advertising, user fees) and are used to operate and adequately maintain the programmed Federal capital investments in the TIP. The FNSB has a five-year Transportation Financial Plan that maximizes funding from state and federal grant sources and local contributions. Federal operating assistance comes through FTA's 5307 Operating Assistance Program. These grants require a 50% in-kind match by the FNSB.

ACRONYMS AND DEFINITIONS

General Definitions

AC – Advance Construction

BANK - Banking

AMATS – Anchorage Metropolitan Area Transportation Solutions

CMs – Contingency Measures

EPA – Environmental Protection Agency

FHWA – Federal Highway Administration

FMATS – Fairbanks Metropolitan Area Transportation System

FTA – Federal Transit Administration

MAP-21- Moving Ahead for Progress in the 21st Century

MPO – Metropolitan Planning Organization

M & O - Maintenance and Operations

PPP – Public Participation Plan

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

SIP – State Implementation Plan

TCMs – Transportation Control Measures

TIP – 2015 - 2018 Transportation Improvement Program

SURFACE TRANSPORTATION FUNDING SOURCES

381 – Funds made available in FY07 under SB381. When used as matching funds to federal funds, the code M381 is used. CH82/06/120/18, AR60685

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

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

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

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

CMAQ (Congestion Mitigation/Air Quality) – These funds are for projects that can be proven to reduce traffic congestion and/or improve air quality in federally designated non-attainment areas. Projects such as park and ride lots, transit bus replacement, vehicle inspection and maintenance program improvements, signal coordination, ride sharing, and paving for dust control qualify for these funds. The federal funds ratio varies and is either 90.97% or 100% depending upon the specific category of work.

DEOB – Federal funding, including the non-federal share, that has been de-obligated from another federal project and is available for use on another project.

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

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

GF – General fund appropriation available for use on any project.

GO Bonds – Funds generated by the sale of bonds by the state.

GO-P – Funds generated by the sale of bonds by the state for the Plack Road Bike/Pedestrian Facility Project.

GO-W – Funds generated by the sale of bonds by the state for the Wendell Avenue Bridge project.

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

NHPP (National Highway Performance Program) – In MAP-21 section 1106, Congress designated the NHPP to provide support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS. This funding code incorporates previous NHS, IM and some BR fund codes. The federal funds ratio is 90.97%.

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

PL – These funds are designated for the mandatory planning tasks the department undertakes, including preparation of the Statewide Transportation Plan (SwTP) and State Transportation Improvement Program (STIP), statistical measurements of the transportation system (traffic volumes, pavement condition, accident locations, causes and severity, and physical characteristics of roads and highways), mapping, and management systems. In Alaska, these metropolitan planning funds can be used in any urban area within the state. Planning processes and special planning studies are eligible activities within this program. The federal funds ratio is 90.97%.

SB46 – A FY12 state fund appropriation of \$5 million available to any project in the FMATS TIP. When used as matching funds to federal funds, the code M46 is used. CH5/11/100/8, AR65818.

SB160 – A FY13 state fund appropriation of \$7.5 million available to any project in the FMATS TIP. When used as matching funds to federal funds, the code M160 is used. CH17/12/132/25, AR58609.

SB230 – A FY11 state fund appropriation of \$5 million available to any project in the FMATS TIP. When used as matching funds to federal funds, the code M230 is used. CH43/10/36/24, AR65439

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

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

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

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

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

UAF – Funds available through the University of Alaska.

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

Y381 – Specific appropriation for the Yankovich/Miller Hill Multi-Use Path.

Transit and Rail Fund Codes

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

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

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

- **(5309BU)** New and replacement buses and facilities
- **(5309FG)** Modernization of existing rail and ferry systems
- **(5309NS)** (New Starts) New fixed-guideway systems (including ferry systems)

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

5337GR (Section 5337 State of Good Repair) – A new formula-based State of Good Repair program is FTA’s first stand-alone initiative written into law that is dedicated to repairing and upgrading the

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FMATS 2015 - 2018 FMATS TRANSPORTATION IMPROVEMENT PROGRAM

Approved 08.12.15

nation's rail transit systems along with high-intensity motor bus systems that use high-occupancy vehicle lanes, including bus rapid transit (BRT). These funds reflect a commitment to ensuring that public transit operates safely, efficiently, reliably, and sustainably so that communities can offer balanced transportation choices that help to improve mobility, reduce congestion, and encourage economic development.

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

AARC – Funds available through the Alaska Railroad Corporation.

DOD – Funds available through the Department of Defense.

For more information, please contact:

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FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
CTP Funding Table												
30011		43.58	Barnette Street Reconstruction	FCTP			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.	FCTP			3					100.0
				FCTP			7					1,000.0
				FCTP			4					14,350.0
			Project Total									17,950.0
30099		58.59	College Road Bus Pullouts	CMAQ			2		144.0	96.0		240.0
			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.	CMAQ			3				150.0	150.0
				CMAQ			7				200.0	200.0
				FCTP			4					660.0
			Project Total						144.0	96.0	350.0	1,250.0
13699	62164	99	College Road Rehabilitation & Intersection Improvements: Fairbanks	FCTP			2					
			Rehabilitate and repave College Road between University Avenue and MaryLeigh Avenue, including intersection improvements along the route.	DEOB			2					
				College			2					
				FCTP			3					
				DEOB			3					
				Bank			4	648.8				
			College = SB230 \$4.5M	College			4	4,440.0				
				Offset			4	228.8				
			includes non-federal share	Bank			4	1,922.4				
				FCTP			4	205.8				
				Bank			4	77.5				
			Project Total					7,523.3				

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30012		60.34	Cowles Street Reconstruction: Fairbanks	FCTP			2		700.0		500.0	1,200.0
			Reconstruct Cowles Street from 1st Avenue to East Cowles to include sidewalk, drainage and illumination improvements.	FCTP			3				800.0	800.0
				FCTP			7					600.0
				FCTP			4					6,200.0
			Project Total						700.0		1,300.0	8,800.0
30103		30.68	Dennis Road Lighting Improvements	FCTP			2					120.0
			Install street lights at the intersection of Dennis & Bradway Rd. and the intersection of Dennis & Old Richardson Hwy., in North Pole.	FCTP			3					
				FCTP			7					50.0
				FCTP			4					212.0
			Project Total									382.0
21934	63033	99	FMATS Advanced Project Definition	PL			2					
			Provide funding to the State and City to develop new estimates for TIP projects.	M381								
			Project Total									0.0
22815	61954	99	FMATS Street Light Conversion-Stage III	FCTP			4					
			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.	DEOB			4	125.3				
			Project Total					125.3				
30093		31.41	FMATS Sign Replacement - Stage III	FCTP			2					200.0
			Replace signs in accordance with the City of Fairbanks' established sign management plan to meet the retroreflectivity requirements of the MUTCD.	FEDCTP			2					
				FCTP			4					1,200.0
			Project Total									1,400.0
16104	63784	56.1	Gillam Way Reconstruction	FCTP			2		500.0			
			Reconstruct Gillam Way between Airport Way to 22nd Avenue including pedestrian and drainage improvements, utilities and traffic calming.	FCTP			3			183.0		
				FCTP			7			61.0		
				FCTP			4				4,450.0	
			Project Total					0.0	500.0	244.0	4,450.0	0.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
3847.1	62207	99	Fairbanks Cushman Street Bridge Replacement	FCTP			2					
			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.	1702			2					
				FCTP			3					
				FCTP			7		10.0			
				FCTP			4					10,900.0
			Project Total						10.0			10,900.0
30029		41.45	Lacey Street Reconstruction: Fairbanks	FCTP			2					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.	FCTP			3					1,500.0
				FCTP			7					500.0
				FCTP			4					12,974.0
			Project Total									17,474.0
30105		40.87	Lathrop Street Extension	FCTP			2					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.	FCTP			3					
				FCTP			7					800.0
				CMAQ			4					514.0
			Project Total					0.0	0.0	0.0		1,767.0
6587	62838	49.6	McGrath Rd Upgrade: FNSB	FCTP			2	265.0				
			Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed.	CMAQ			2	135.0				
				FCTP			3		500.0			
				FCTP			7		350.0			
				CMAQ			4			114.0		
				FCTP			4			5,486.0		
			Project Total					400.0	850.0	5,600.0		0.0
30097		55.3	Minnie Street Upgrade	FCTP			2			975.0		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.	FCTP			3					1,500.0
				FCTP			7					1,000.0
				FCTP			4					9,500.0
			Project Total					0.0	0.0	975.0	0.0	14,275.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
17975	61725	99	Noble Street Upgrade: Fairbanks	381			2					
			Reconstruct Noble St. from 1st Avenue to Gaffney Road.	FEDCTP			2					
				GF-Noble			2					
				Bank1			2	181.9				
				FCTP			2					
				State			2	9.0				
				City			2	9.0	22.1			
				BANK1			3					
				DEOB			3					
				FEDCTP			7					
				GF-Noble			7					
				CMAQ			3					
			\$50.0 in ROW donation	ROW			4		50.0			
			6033.8 plus match	Bank1			4		6,631.9			
			1523.8 plus match	Bank1			4		1,675.1			
				FEDCTP			4		726.3			
			Project Total					199.9	9,105.4	0.0	0.0	
30100		47.71	North Pole Intersection Improvements	FCTP			2					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.	FCTP			3					250.0
				FCTP			7					100.0
				FCTP			4					3,000.0
			Project Total					0.0	0.0	0.0	0.0	4,090.0
30106		37.25	North Pole Streetlight Standardization	FCTP			2					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.	FCTP			3					100.0
				FCTP			7					100.0
				FCTP			4					1,267.0
			Project Total					0.0	0.0	0.0	0.0	1,747.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30049		64.93	Old Steese Highway - Wendell Avenue Bridge to Trainor Gate Road Reconstruction	FCTP			2		800.0	600.0		1,400.0
			Reconstruct the Old Steese Highway between Wendell Avenue Bridge and Trainor Gate Road including improvements to bicycle and pedestrian facilities.	FCTP			3				800.0	800.0
				FCTP			7				650.0	650.0
				FCTP			4					3,000.0
			Project Total					0.0	800.0	600.0	1,450.0	5,850.0
22095		21.99	Peridot Street Reconstruction	FCTP			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.	FCTP			3					
				FCTP			7					
				FCTP			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	FCTP			2					50.0
			Install approximately 1,000 feet of guardrail along Phillips Field Road between Fox Avenue and Pioneer Road.	FCTP			3					
				FCTP			7					20.0
				FCTP			4					142.0
			Project Total					0.0	0.0	0.0	0.0	212.0
26087		43.5	Tanana Loop and South Chandalar Drive Intersections	FEDCTP			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.	DEOB			2	174.7				
				ILLU						193.7		
				M46			2	25.6		25.6		
				FEDCTP			4					2,428.0
				M46			4					241.0
			Project Total					283.0		283.0		2,669.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30098		37.55	Wickersham Street Upgrades - Stage II	FCTP			2					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.	FCTP			3					60.0
				FCTP			7					1,000.0
				FCTP			4					7,700.0
			Project Total					0.0	0.0	0.0	0.0	10,260.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
Non-Motorized Project Table												
30095		26.66	Airport Way Beautification	FCTP			8					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.	FCTP								
				FCTP								
				FCTP			4					250.0
			Project Total									550.0
3874	63768	37.8	Birch Hill Bicycle and Pedestrian Facility: FNSB	FCTP			2					
			Construct a bike/pedestrian facility along Birch Hill Road to allow safe access to the Birch Hill Recreational Trail System.	CMAQ			3					
				FCTP			7	37.0				
				FCTP			4		2,280.0			
			Project Total					37.0	2,280.0			
26568	61661		FMATS Pedestrian Improvements - Stage I	381			2					
			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.	CMAQ			2	150.0				
				Deob-s			2	100.0				
				FCTP			3					
				Deob-s			7	100.0				
				FCTP			4	2,085.0				
				CMAQ			4	515.0				
			Project Total					2,950.0				
20816	63293	42.9	Gold Hill Road Bicycle and Pedestrian Facility: FNSB	FCTP			2		50.0			
			Widen the shoulders on Gold Hill Road to accommodate bicycles and pedestrians. Improvements will also include resurfacing the roadway, approach work, signing and striping.	FCTP			3					
				Bank1			7	75.0				
				Bank1			4	500.0				
				FCTP			4	3,200.0				
			Project Total					3,775.0	50.0			

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
30096-1		40.36	Loftus Road Pedestrian Improvements	CMAQ			2					
			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.	FCTP			3					
				FCTP			7					
				FCTP			4					
			Project Total									
30251		38.24	Paratransit Vehicles	FCTP			2					
			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.	CMAQ			8			450.0		450.0
			Project Total							450.0		450.0
30089		34.54	Peger Road Undercrossing	FCTP			2					220.0
			Rehabilitate the undercrossing at the Chena River Bridge under Peger Road.	FCTP			3					
				FCTP			7					
				FCTP			4					570.0
			Project Total									790.0
10565	77248	31.7	Plack Road Bike/Pedestrian Facility: FNSB	FCTP			2					
			Construct a bicycle and pedestrian facility along Plack Road from Badger Road to Nelson Road.	FCTP			3					
				GO-P			7					
				GO-P			4	3,000.0				
			Project Total					3,000.0				
26077	62836	43.8	Steese Expressway to Front Street Bicycle/Pedestrian Path	CMAQ-F			2					
			Construct a bicycle/pedestrian path from the Steese Expressway separated path to Front Street.	M381			2					
				M381			3		1.8			
				Bank1			3		18.2			
				M381			7	11.3				
				Bank1			7	113.7				
				M381			4		70.5			
				M46					6.2			
				FEDCTP			4		247.3			
			Federal share only	CMAQ-F			4		526.0			
			Project Total					125.0	870.0			
30250		36.46	Transit Buses	FCTP			2					
			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.	FCTP			4					2,700.0
			Project Total					0.0				2,700.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
29969		35.03	Wembley Avenue Pedestrian Improvements: Aurora Drive to Danby Street	CMAQ			2		130.0	140.0		270.0
			Construct a pedestrian facility along the north side of Wembley Avenue from Aurora Drive to Danby Street.	FCTP			3					
				FCTP			7					
				CMAQ			4				450.0	
				FCTP			4				344.0	794.0
			Project Total					0.0	130.0	140.0	794.0	1,064.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM

Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
FMATS Programs Table												
29673		na	FMATS Improvement Program	FCTP			2	300.0			300.0	
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.	FCTP			3					
				Bank			4	1,300.0				
				Bank1			4	354.4				
				FCTP			4	1,450.0				
				DEOB			4	75.4				
				FCTP			4	131.4	1,849.6	208.7	99.0	
			Project Total					3,611.2	1,849.6	208.7	399.0	
30229		na	FMATS Intersection Improvement Program	CMAQ			2					
			Intersection enhancements related to capacity, safety, and/or multimodal accessibility within the FMATS boundary.	FCTP			3					
				Bank			4					
				DEOB			4					
				FCTP			4					
			Project Total					0.0	0.0	0.0	0.0	
30231		na	FMATS Safety and Efficiency Program	FCTP			2		135.0	85.0		220.0
			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.	FCTP			3					
			Rehabilitate the undercrossing at the Chena River Bridge under Peger Road to improve safety.	FCTP			7					
				FCTP			4					570.0
			Project Total					0.0	135.0	85.0	0.0	790.0
30096		na	FMATS Sidewalk Improvement Program	FCTP			2		170.0	130.0		250.0
			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.	CMAQ			3					
30096-1			Construct a sidewalk along the east side of Cowles from 23rd to 29th Ave.	FCTP			7			125.0		125.0
30096-2			Install a crosswalk at York Avenue and update school signs to flashing school zone signs on Loftus Road.	FCTP			4					833.0
			Project Total					0.0	170.0	255.0	0.0	1,208.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
Illustrative Project Table												
30012		60.34	Cowles Street Reconstruction: Fairbanks	ILLU			2				500.0	1,200.0
			Reconstruct Cowles Street from 1 st Avenue to East Cowles (to the terminus of the previous construction project). Install drainage, utilities, sidewalks and improved lighting.	ILLU			3				800.0	800.0
				ILLU			7					600.0
				ILLU			4					6,200.0
			Project Total								1,300.0	8,800.0
30093	63282	31.41	FMATS Sign Replacement - Stage III	ILLU			2					200.0
			Replace signs in accordance with the City of Fairbanks' established sign management plan to meet the retroreflectivity requirements of the MUTCD.				2					
				ILLU			4					1,200.0
			Project Total									1,400.0
16104	63784	56.1	Gillam Way Reconstruction	ILLU			2					
			Reconstruct Gillam Way between Airport Way to 22nd Avenue including pedestrian and drainage improvements, utilities and traffic calming.	ILLU			3			163.0		
				ILLU			3			61.0		
				ILLU			7				4,450.0	
				ILLU			4			224.0	4,450.0	
			Project Total									
3847.1	62207	99	Fairbanks Cushman Street Bridge Replacement	ILLU			2					
			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.	ILLU			2					
			Note: Bridge replacement was included in the environment document for the Illinois Street Reconstruction Project.	ILLU			3					
				ILLU			7					
			Project Total				4					10,900.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
6587	62838	49.6	McGrath Rd Upgrade: FNSB	ILLU			2					
			Upgrade McGrath Road between Farmers Loop and the Old Steese Highway. Improve the existing separated path as needed.	ILLU			2					
				ILLU			3					
				ILLU			7					
				ILLU			4					
				ILLU			4					
			Project Total									
30097		55.3	Minnie Street Upgrades	ILLU			2		975.0			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.	ILLU			3					1,500.0
				ILLU			7					1,000.0
				ILLU			4					9,500.0
			Project Total						975.0			14,275.0
22095		21.99	Peridot Street Reconstruction: FNSB	ILLU			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.	ILLU			3					
				ILLU			7					
				ILLU			4					1,250.0
			Project Total									1,500.0
26087		43.5	Tanana Loop and South Chandalar Drive Intersections	ILLU			2			215.0		
			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.				4					2,669.0
			Project Total							215.0		2,669.0
22255			Fairbanks Rail Realignment	ILLU			2		10,400.0			
			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.	ILLU			3					11,248.6
				ILLU			7					11,698.6
				ILLU			4					0.0
			Project Total						10,400.0			22,947.2

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
General Fund (GF) Project Table												
21934	63033	99	FMATS Advanced Project Definition	PL			2					
			Provide funding to the State and City to develop new estimates for TIP projects.	M381								
			Project Total									
26078		49.4	Chena River Walk PH Stage III	SB230			2					
			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.				3					
							7					
							4					3,460.5
			Project Total									3,460.5
25456	60260	59.6	Chena Small Tracts Road Bicycle and Pedestrian Facility	GF			2					
			Construct a bicycle and pedestrian facility to accommodate safer multi-modal travel along or adjacent to Chena Small Tracts Road. Consider alternative options including widened shoulders, a separated facility and a hybrid combination. Consideration should also be made to rehabilitate the existing roadway, if warranted, and lighting (if desired) and if funding allows.	SB230								
				GF			3					
				GF			7					
				SB119								
			Project Total									

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
19098		99	Cushman, Barnette and Gaffney Upgrades: Fairbanks (Parent Project)	SB160			2	600.0				
			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.	GF-GC			2					
	77194		Cushman Street/Gaffney Road Reconstruction	GF-GC			7					
			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".				2					
			Funding in the DSR is different	SB46			4	2,236.7				
				SB230			4	947.7				
				GF-GC			4	4,890.0				
				381			4	1,357.0				
				SB160			4	167.4				
			Project Total					10,288.8			0.0	
22765	61676	99	FMATS Coordinators Office	381			8	0.0	0.0	0.0	0.0	
			Funding for the Fairbanks Metropolitan Area Transportation System (FMATS) Coordinator's office which supports delivery of the FMATS program.	FEDCTP			8	102.3	102.3	102.3	102.3	
				PL			8	181.6	238.8	181.6	181.6	
				M381			8	28.2	0.0	0.0	0.0	
				SB46				99.4	83.6			
				M46					33.9	28.2	28.2	
				ILLU			8					
				NP			8	7.5	7.5	7.5	7.5	
			Project Total					419.0	466.1	319.6	319.6	
6448	64232		FMATS Freight Mobility Plan	PL			8	283.0				
			Characterize the movement of freight within the MPA, identify deficiencies and make recommendations for future freight investments.									

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
			Project Total					283.0				
16205	63727	60.8	South Cushman 15th to Mitchell: Sidewalk and Drainage Improvements	DEOB			2					
			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.	SB160			2					
				SB160			3					
				381			4	90.0				
				SB230			4	93.0				
				SB46			4	130.0				
				SB160			4	171.6				
			Project Total					484.6				
9939	76707	34	Yankovich / Miller Hill Rd Multi-Use Path: FNSB Stage I and II	Y381			2					
			Construct a separated bicycle / pedestrian trail along Yankovich and Miller Hill Roads in the Farmers Loop / University of Alaska area.	Y381			3					
				Y381			7					
				SB160			4	1,050.0				1,000.0
				SB230			4	861.2				
				Y381			4					
			Project Total					1,911.2				1,000.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NID	AKSAS	Score	Project Description	Fund Code	Perf. Meas.	AQ	Phase	FFY15	FFY16	FFY17	FFY18	Beyond
Funding Summary												
			TOTAL FMATS CTP ALLOCATION	FCTP				8,073.5	8,073.5	8,073.5	8,073.5	
			TOTAL BANKING	BANK				3,299.9	0.0	0.0	0.0	
			Noble Total Banking1 (6033.8+1523.8+match)	BANK1				3,212.2	8,307.8	0.0	0.0	
				BANK2				0.0	0.0			
				ROW					50.0		0.0	
			Match for Noble \$6033.8 and Match on Deob for Tanana Loop	Noble				54.2	598.9	0.0	0.0	
			TOTAL FMATS CTP ALLOCATION AND BANK					14,639.8	17,030.2	8,073.5	8,073.5	
			FED SHARE FMATS CTP ALLOCATION	FEDCTP				185.0	1,075.9	166.0	102.3	
			381 LOCAL MATCH FMATS CTP ALLOCATION	M381				39.5	72.3	0.0	0.0	
			NOBLE ROW DONATION	ROW				0.0	50.0	0.0	0.0	
				BANK2				0.0	0.0			
			BANK FFY12 to FFY14 (\$3,532.6)	BANK				3,948.7	0.0	0.0	0.0	
			BANKING FFY13 TO FFY14 AND FFY13 TO FFY15	BANK1				1,225.0	8,325.2	0.0	0.0	
				City				9.0	22.1	0.0	0.0	
			SB46	M46				25.6	40.1	53.8	28.2	
				State				9.0	0.0	0.0	0.0	
			FMATS CTP ALLOCATION	FCTP				7,674.2	7,344.6	7,853.7	7,943.0	
			Subtotal					13,116.0	16,930.2	8,073.5	8,073.5	
			BALANCE AVAILABLE FOR PROGRAMMING CTP BY FMATS	FCTP				1,523.8	100.0	0.0	0.0	
			TOTAL									
			FMATS CMAQ ALLOCATION	CMAQ				800.0	800.0	800.0	800.0	
			FEDERAL SHARE ONLY	CMAQ-F				0.0	526.0	0.0	0.0	
			PROJECTS PROGRAMMED TO FMATS CMAQ	CMAQ				800.0	274.0	800.0	800.0	
			BALANCE AVAILABLE FOR PROGRAMMING BY FMATS	CMAQ				0.0	0.0	0.0	0.0	
			GENERAL FUND TOTAL	GF				0.0	0.0	0.0	0.0	
			SB230 College Road (\$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	
			GAFFNEY/CUSHMAN GENERAL FUND (\$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	NP				7.5	7.5	7.5	7.5	
			FHWA - Planning Funds	PL				464.6	238.8	181.6	181.6	
			GENERAL FUND TOTAL	GF				20,696.1	329.9	189.1	189.1	
			GRAND TOTAL FMATS AREA FUNDING					36,135.9	18,160.1	9,062.6	9,062.6	

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM

Approved August 12, 2015

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			211.0	200.0
			Track rehabilitation	Match			53.0	50.0
			Project Total		0.0	0.0	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		

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NHS Projects Within FMATS Boundary										
Need ID	AKSAS	Highway	Location	Project Description / Funding Source	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
3843	64078	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	STP/SM				1,150.0
				Airport Way drainage improvements						
Project Total										1,150.0
15685	61872	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		0.6		
					7	NHPP/SM		1.0		
					4	ILLU/SM			8,300.0	
					7					0.0
					7					0.0
Project Total								1.6	8,300.0	
18923	63278		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	61597	Richardson	Fairbanks	Richardson Highway MP 356 - 362 Bicycle/Pedestrian Path	2	ILLU/SM			135.0	
				Construct a paved bicycle/pedestrian path on the Richardson Highway between MP 356 - 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.	2	STP/SM				0.3
					4	STP/SM		193.7		2,647.9
					4	ACC		2,647.9		
					4	ACC				-2,647.9
					7	STP/SM		6.6		93.4
					7	ACC		93.4		
					7	ACC				-93.4
Project Total									135.0	0.3
60552	61872	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		

FMATS 2012 - 2015 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NHS Projects within the FMATS Boundary										
Need ID	AKSAS	Highway	Location	Project Description	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
2130	66148	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				
Project Total									1555.0	
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	62541	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	61422	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	

FMATS 2012 - 2015 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

NHS Projects within the FMATS Boundary										
Need ID	AKSAS	Highway	Location	Project Description	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
3821	63213		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	63213		Fairbanks	University Avenue Rehabilitation: Thomas Street to Chena River (Segment I)	4	ILLU				11.1
				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.)						14.8
					4	OSF				
					4	SM				27.0
Project Total							0.0	0.0	0.0	52.9
29656	63213		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										6000.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM

Approved August 12, 2015

Other Major Projects Within FMATS Boundary									
Need ID	AKSAS	Area	Project Description	Section	Phase	FFY15	FFY16	FFY17	FFY18
26076		Fairbanks	Aurora Drive- Noyes Slough Bridge (#0209) Rehabilitation or Replacement	3PF	2		454.9	227.4	
			Rehabilitate or replace bridge #209 on Aurora Drive in Fairbanks	STP	2		45.2	22.6	
				3PF	3				227.4
				STP	3				22.6
			Project Total				500.0	250.0	250.0
19217	77277	Fairbanks	College Road Right Turn Lanes	HSIP	2				
			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	62854	Fairbanks	College/Antoinette/Margaret Ave. Intersection Reconstruction	HSIP	2				
			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			
			01.08.14			1,800.0	0.0		
26161		Fairbanks	Fairbanks Air Quality Planning	CMAQ	8	80.0	80.0	80.0	80.0
			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.						
			Project Total			80.0	80.0	80.0	80.0
		Fairbanks	Fairbanks Rail Realignment		2				
			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				
					4				
			Project Total			0.0	0.0	0.0	0.0

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM

Approved August 12, 2015

Other Major Projects Within FMATS Boundary									
Need ID	AKSAS	Area	Project Description	Section	Phase	FFY15	FFY16	FFY17	FFY18
26080			Gold Mine Trail Road Upgrade	3PF	2	640.0			
			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.	STP	2				
Project Total						640.0			
19217	63479	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	63467		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	64119		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			
19217	62489		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			

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM

Approved August 12, 2015

Other Major Projects Within FMATS Boundary									
Need ID	AKSAS	Area	Project Description	Section	Phase	FFY15	FFY16	FFY17	FFY18
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 River to provide year-round access to the military training areas known as the Tanana Flats Training Area (TFTA) and the Donnelly Training Area (DTA). The project will be constructed as the first part of the Northern Rail Extension (NRE), a project which will extend the Alaska Railroad from Moose Creek to Delta Junction. The Surface Transportation Board (STB) is the lead federal agency for the NRE.	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	60455		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	62487	Fairbanks	Old Steese Highway Upgrades	GO Bond	2	575.0			
				GO Bond	3	170.0			
			Upgrade the Old Steese Highway from the intersection at Trainor Gate Road to, and including, the intersection at Johansen Expressway. Improvements will include intersection upgrades, bicycle/pedestrian facilities, drainage improvements and utility relocations.	GO Bond	4		10,917.0		
			Project Total			745.0	10,917.0		
18923	63035	Fairbanks	Peger Road Resurfacing		4	10146.0			
			REVISED SCOPE: 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			

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM

Approved August 12, 2015

Other Major Projects Within FMATS Boundary									
Need ID	AKSAS	Area	Project Description	Section	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	63291		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

FMATS 2015 - 2018 TRANSPORTATION IMPROVEMENT PROGRAM
Approved August 12, 2015

CMAQ PROJECTS									
Need ID	AKSAS	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	60711	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	62127	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	63583	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	61763	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
Approved August 12, 2015

CMAQ PROJECTS									
Need ID	AKSAS	Location	Project Description / Funding Source	Phase	Fund Code	FFY15	FFY16	FFY17	FFY18
18791	60709	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	60444	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	60458	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	60566	Fairbanks	Fairbanks Air Quality Conformity	8	CMAQ				
			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 "donut area" within the PM2.5 boundaries.			80.0	80.0	80.0	80.0
Project Total						80.0	80.0	80.0	80.0