

**AMES AREA METROPOLITAN PLANNING ORGANIZATION (AAMPO)
TRANSPORTATION POLICY COMMITTEE ACTION FORM**

SUBJECT: FY 2018 - 2021 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

BACKGROUND:

In order to receive funds for transportation improvement projects, the projects must be part of the approved statewide plan. The initial step in this process is for the Ames Area MPO to develop a draft Transportation Improvement Plan (TIP). The attached draft plan provides for projects for street improvements, CyRide improvements, and trail projects.

In spring 2017, the Ames Area MPO distributed applications for new funding for Surface Transportation Block Grant (STBG) projects. Five applications were received. These projects have been incorporated into the FY 2018 – 2021 Transportation Improvement Program. **The Transportation Policy Committee reviewed and unanimously approved the draft TIP on May 23, 2017.**

Program	TPMS ID	Project Sponsor	Fiscal Year	Project Name	Federal Fund Request	Total Project Cost
STBG	16032	City of Ames	2018	Grand Ave Extension	\$1,200,000*	\$17,450,000
STBG	35616	City of Ames	2020	North Dakota Avenue (Ontario St. to RR)	\$220,000**	\$1,480,000
STBG	36918	CyRide	2021	Vehicle Replacement	\$225,000	\$539,035
STBG	36919	City of Ames	2021	Cherry Avenue (E Lincoln Way to SE 5 th St.)	\$1,890,000	\$2,900,000
STBG	35644	City of Ames	2021	13 th Street (Duff Ave. to Meadowlane Ave.)	\$1,600,000	\$2,500,000

*Grand Ave. Extension already awarded \$4,300,000 STBG funds in previous years. Request this year is for additional \$1,200,000 for a total \$5.5 Million.

**North Dakota Ave. already awarded \$680,000 STBG funds in previous years. Request this year is for additional \$220,000 for a total of \$900,000

Total New STBG Requests: \$5,135,000

ALTERNATIVES:

1. Approve the final FY 2018-2021 Transportation Improvement Program for submission to the Iowa Department of Transportation.
2. Approve the final FY 2018-2021 Transportation Improvement Program with Transportation Policy Committee modifications for submission to the Iowa Department of Transportation.

ADMINISTRATOR'S RECOMMENDED ACTION:

The Ames Area MPO Transportation Technical Committee has reviewed and unanimously approved the draft 2018-2021 TIP. The Ames Area MPO staff received and addressed comments from the Iowa Department of Transportation, Federal Highway Administration, and Federal Transit Administration. At the public input session, no revisions were requested by the public. The final FY 2018-2021 Transportation Improvement Program is due to the Iowa Department of Transportation by July 15, 2017.

Therefore, it is the recommendation of the Administrator that the Transportation Policy Committee adopt Alternative No. 1, as noted above.



FY 2018 - 2021 Transportation Improvement Program

The Ames Area MPO prepared this report with funding from the U.S. Department of Transportation's Federal Highway Administration and Federal Transit Administration, and in part through local matching funds of the Ames Area MPO member governments. These contents are the responsibility of the Ames Area MPO. The U.S. government and its agencies assume no liability for the contents of this report or for the use of its contents. **The Ames Area MPO approved this document on July 11, 2017.** Please call (515) 239-5160 to obtain permission to use.



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Federal Highway Administration Section

Project Selection

Introduction

The Ames Area Metropolitan Planning Organization (AAMPO) uses a project selection criteria system as a means of prioritizing submitted projects. The AAMPO selects regional surface transportation projects submitted to the AAMPO for inclusion in the Transportation Improvement Program (TIP). These projects are reviewed by staff, the Transportation Technical Committee (TTC) and Transportation Policy Committee (TPC). Approved projects are programmed in the TIP based on the recommendation of the TTC and staff. The TIP also includes projects awarded with State and Federal funds as applicable through the respective grant program.

Surface Transportation Block Grant Program (STBG)

Factors identified in the Long Range Transportation Plan (LRTP) are used as tools to help determine those projects selected and their respective priority. In addition to the LRTP tools, highway capacity improvement projects are selected using Level of Service criteria; rehabilitation and reconstruction projects are selected based upon pavement condition index and field review. A STBG application form shall be submitted to be considered to receive federal-aid funding. This form can be requested from the Ames Area MPO staff or downloaded from the Ames Area MPO website at www.aampo.org.

Transportation Alternative (TA)

Transportation Alternative consists mainly of greenbelt trails that have been identified during the public involvement process for the Long Range Transportation Plan. Trail segments shown in the plan are sized proportionately based upon estimated construction costs.

A TA application form shall be submitted to be prioritized and submitted for recommendation. Submitted projects are ranked with the following criterion:

- Connectivity with existing facilities,
- Cost in relation to public benefit,
- Enhancement to existing transportation system, and
- Identified in the long range transportation plan.

Applications for TA projects can be requested from the Ames Area MPO staff or downloaded directly from the Iowa Department of Transportation website.

Other Programs

Bridge projects consist of necessary repairs recommended by the biennial Iowa Department of Transportation (IDOT) bridge inspections. The IDOT requires these inspections for bridges within the local jurisdictions of the Ames Area MPO. A Candidate List is created by the IDOT Office of Local Systems based on priority points ranking. Local agencies and the Ames Area MPO work with the IDOT on programming necessary bridge projects based on priority and available funding.

The Transit Board selects operating projects for CyRide as identified in the approved Passenger Transportation Plan (PTP), which serves as a needs assessment for all regional human and health service agencies. The Transit Board also approves matching funds for capital projects based upon identified route expansions.

All projects are consistent with the approved Ames Mobility 2040 Long Range Transportation Plan.

FY 2017 Project Status Report

TPMS #	Project Number	Location	Type of Work	Status	Total Project Cost	Total Federal Aid	Sponsor
34214	RGPL-PA22(RTP)-PL-00	Transportation Planning	Trans Planning	Ongoing	\$ 113,000	\$ 90,000	AAMPO
34245	STP-A-PA22()-86-85	#2 Green / #6 brown / #3 Blue Service Expansion & Bus Expansion	Transit Investments	Authorized	\$ 204,000	\$ 163,000	CyRide
34580	STP-A-PA-22()-86-85	#9 Plum Weekday Route Expansion & Bus Expansion	Transit Investments	Authorized	\$ 732,000	\$ 586,000	CyRide
34581	STP-A-0155(694)-86-85	Ames Traffic Network Master Plan	Planning Study	FHWA Approved	\$ 100,000	\$ 80,000	City of Ames
36925	STP-A-PA22()-86-85	#2 Green / #6 brown / #3 Blue Service Expansion & Bus Expansion	Transit Investments	FHWA Approved	\$ 127,000	\$ 102,000	CyRide
36926	STP-A-PA22()-86-85	#9 Plum Weekday Route Expansion & Bus Expansion	Transit Investments	FHWA Approved	\$ 288,000	\$ 230,000	CyRide
34019	IMX-35()-02-85	I-35: US 30 to CO RD E29 (NB)	Pavement Rehab, Traffic Signs	FHWA Approved	\$ 3,762,000	\$ 3,386,000	Iowa DOT District 1
19961	STP-U-0155(693)-70-85	In the City of Ames, S 3rd St / S 4th St: From Squaw Creek to South Duff Avenue	Pavement Rehab	Authorized - Under Construction	\$ 2,422,000	\$ 1,292,000	City of Ames
21260	STP-E-0155(SE16TH)-8V-85	In the City of Ames, Skunk River Trail: From SE 16th Street to East Lincoln Way	Ped/Bike Structures, Ped/Bike Miscellaneous	Rolled Over into Current TIP	\$ 835,000	\$ 240,000	City of Ames
14980	STP-E-0155(684)-8V-85	In the City of Ames, Skunk River Trail, From Bloomington Road to Ada Hayden Park	Ped/Bike Grade & Pave	Rolled Over into Current TIP	\$ 544,000	\$ 320,000	City of Ames
15628	STP-E-C085(100)-8V-85	Gilbert to Ames Trail: Trail connection from Gilbert, Iowa to Ames, Iowa	Ped/Bike ROW	Federal Funds Removed from project	\$ 983,000	\$ -	Story CCB

Fiscal Constraint

The Ames Area MPO FY 2018 programming targets are \$1,592,485 for STBG and \$66,545 for STBG TAP Flex. The project costs shown in the TIP are in year of expenditure dollars. This is accomplished by developing an estimate of costs in the current bidding environment and then applying an inflation factor of 4% per year. The Ames City Council has programmed these projects in the City of Ames 2017-2022 Capital Improvement Program for the local funding allocation. These funds are generated from the City of Ames annual Road Use Tax Fund (RUTF) distribution, Local Option Sales Tax, and General Obligation (GO) Bonds. The transit program does not have targets, and thus the requests involve significant costs in the anticipation of maximizing the amounts received.

Financial Constraint Summary Tables

Federal Aid Program	2018		2019		2020		2021	
	Total Cost	Federal Aid	Total Cost	Federal Aid	Total Cost	Federal Aid	Total Cost	Federal Aid
Surface Transportation Block Grant Program (STBG)	\$18,436,250	\$6,560,000	\$500,000	\$400,000	\$2,029,000	\$1,125,000	\$5,929,000	\$3,715,000
Highway Bridge Replacement (STP-HBP)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Transportation Alternatives Program (TAP)	\$1,900,000	\$720,000	\$0	\$0	\$448,000	\$140,000	\$0	\$0
National Highway Performance Program (NHPP)	\$3,812,000	\$3,431,000	\$0	\$0	\$0	\$0	\$0	\$0
Metropolitan Planning (PL)	\$119,000	\$95,000	\$119,000	\$95,000	\$119,000	\$95,000	\$119,000	\$95,000
Congestion Mitigation and Air Quality Improvement (CMAQ)	\$493,750	\$395,000	\$0	\$0	\$0	\$0	\$0	\$0
Primary Road Funds (PRF)	\$500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0

	2018	2019	2020	2021
Unobligated Balance (Carryover)	\$5,052,534	\$151,564	\$1,458,564	\$2,073,564
Region STBG Target	\$1,592,485	\$1,639,000	\$1,672,000	\$1,712,000
Region STBG TAP Flex Target	\$66,545	\$68,000	\$68,000	\$68,000
Subtotal	\$6,711,564	\$1,858,564	\$3,198,564	\$3,853,564
Programmed STP Funds	\$6,560,000	\$400,000	\$1,125,000	\$3,715,000
Balance	\$151,564	\$1,458,564	\$2,073,564	\$138,564

Table 4						
Forecasted Operations and Maintenance (O&M) Costs on the Federal-Aid System Table						
Source: 2016 City Street Finance Report						
	2016	2017	2018	2019	2020	2021
City of Ames Total Operations	\$1,300,776	\$1,352,807	\$1,406,919	\$1,463,196	\$1,521,724	\$1,582,593
City of Ames Total Maintenance	\$1,141,806	\$1,187,478	\$1,234,977	\$1,284,376	\$1,335,752	\$1,389,182
City of Gilbert Total Operations	\$9,169	\$9,536	\$9,917	\$10,314	\$10,726	\$11,155
City of Gilbert Total Maintenance	\$12,980	\$13,499	\$14,039	\$14,601	\$15,185	\$15,792
Total O&M	\$2,464,731	\$2,563,320	\$2,665,853	\$2,772,487	\$2,883,387	\$2,998,722

Table 5						
Forecasted Non-Federal Aid Revenue Table						
Source: 2016 City Street Finance Report						
	2016	2017	2018	2019	2020	2021
City of Ames Total RUTF Receipts	\$7,286,851	\$7,578,325	\$7,881,458	\$8,196,716	\$8,524,585	\$8,865,568
City of Ames Total Other Road Monies Receipts	\$8,530,756	\$8,871,986	\$9,226,866	\$9,595,940	\$9,979,778	\$10,378,969
City of Ames Total Receipts Service Debt	\$19,587,899	\$20,371,415	\$21,186,272	\$22,033,722	\$22,915,071	\$23,831,674
City of Gilbert Total RUTF Receipts	\$133,713	\$139,062	\$144,624	\$150,409	\$156,425	\$162,682
City of Gilbert Total Other Road Monies Receipts	\$30,436	\$31,653	\$32,920	\$34,236	\$35,606	\$37,030
City of Gilbert Total Receipts Service Debt	\$0	\$0	\$0	\$0	\$0	\$0
Total Non-Federal Aid Road Fund Receipts	\$35,569,655	\$36,992,441	\$38,472,139	\$40,011,024	\$41,611,465	\$43,275,924

Network Operations and Maintenance

The capital investment and other measures necessary to preserve the existing transportation system, as well as operations, maintenance, modernization, and rehabilitation of existing and future transportation facilities are annually reviewed and programmed. Preservation, operating, and maintenance costs are included as a priority for funding. Maintenance and rehabilitation projects are also included in the AAMPO LRTP. In addition to STBG funding, the City of Ames utilizes RUTF, Local Option Sales Tax, and General Obligation funding for system preservation projects. A program is also included in the City of Ames 2017-2022 CIP to address shared use path maintenance. The LRTP and Land Use Policy Plan (LUPP) both use an intersection efficiency standard of Level of Service (LOS) C.

Title VI Compliance

The Ames Area MPO adheres to the City of Ames’s Title VI of the Civil Rights Act of 1964 Compliance Plan. The AAMPO carries out its transportation planning processes without regard to race, color, or national origin. The Compliance Plan provides information on the Ames Area MPO Title VI compliance policies, complaint procedures, and a form to initiate the complaint process for use by members of the public. For more information or to file a complaint or concern, please contact the AAMPO Administrator at the City of Ames Public Works Administration Office at 515-239-5160.

Self Certification

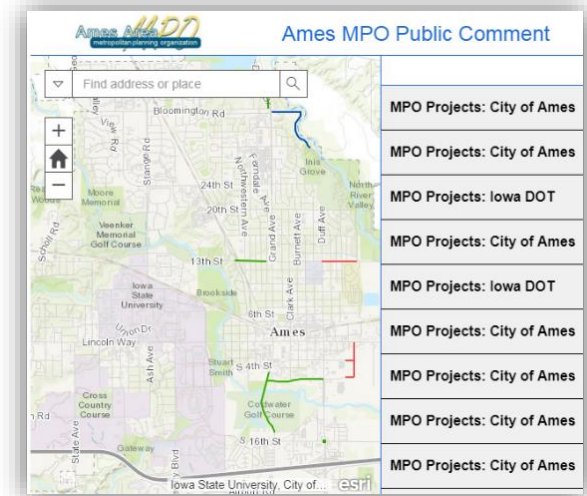
The AAMPO Policy Committee certified that transportation planning activities in the Ames metropolitan area are being carried out in accordance with governing Federal regulations, policies and procedures. This certification was at the meeting

on March 28, 2017. A copy of the document is attached in Appendix B.

Public Participation Process

The draft Transportation Improvement Program follows a process of Transportation Technical Committee review on May 18, 2017; a public input session was held at the Ames City Hall on May 19, 2017; Transportation Policy Committee draft review on May 23, 2017; and a Transportation Policy Committee public hearing on July 11, 2017. Postings for meetings are performed in accordance with our approved Public Participation Plan.

Draft documents are available on the Ames Area MPO website at www.aampo.org and include a map of roadway projects by programmed fiscal year. Notice of meetings were posted at the Ames City Hall and on the Ames Area MPO website as ‘News’. In addition, projects are available for public review and comment through the City of Ames Capital Improvement Program process.



Public Comment Web App

Revising the TIP

Often after development and subsequent adoption of the TIP, changes may need to be made to the list of programmed projects. Examples of changes might be adding or deleting projects, moving a project between years in the TIP, adjusting project cost, or changing the vehicle numbers of transit vehicles.

A major requirement of a project receiving Federal transportation funds is for the project to be included in the TIP and Statewide Transportation Improvement Program. Once a project has received Federal Authorization for construction it does not need to be included in the TIP. This is one of two major reasons for adding or deleting a project from the TIP. The other major reason for adding a project is the awarding of a grant or earmark for a project, which can happen throughout the year.

Changes to the TIP are classified as either “amendments” or “administrative modifications”.

Amendment

Amendments are major changes involving the following:

- Project Cost – projects in which the recalculated project costs increase federal aid by more than 30 percent or increase total federal aid by more than \$2 million from the original amount.
- Schedule Changes – projects added or deleted from the TIP.
- Funding Source – projects receiving additional federal funding sources.
- Scope Changes – changing the project termini, project alignment, the amount of through traffic lanes, type of work from an overlay to reconstruction, or a change to include widening of the roadway.

Amendments are presented to the Policy Committee and a public comment period is opened, which lasts until the next Policy Committee meeting (the Policy Committee meets on an as needed basis, giving a 3-4 week public comment period). Public comments are shared at this meeting with the Policy Committee and action is taken to approve the amendment.

Administrative Modifications

Administrative Modifications are minor changes involving the following:

- Project Cost – projects in which the recalculated project costs do not increase federal aid by more than 30 percent or do not increase total federal aid by more than \$2 million from the original amount
- Schedule Changes – changes in schedules to projects included in the first four years of the TIP
- Funding Source – changing funding from one source to another
- Scope Changes – all changes to the project’s scope

Administrative modifications and amendments are subject to different AAMPO Policy Committee and public review procedures. Administrative modifications are processed internally and are shared with the Policy Committee and the public as informational items

Federal Transit Administration Section

FY 2018 Transportation Improvement Program FTA Project Justification

The following transit projects identified within the draft FY2018-2021 TIP were included within the Passenger Transportation Plan (PTP) Update, meeting the requirements to have the Enhanced Mobility for Seniors and individuals with Disabilities formulized federal funding within an approved PTP prior to TIP approval. The following narrative describes the projects within the initial year of the plan.

General Operations

This funding supports the day-to-day transit operations of the Ames Transit Authority from Ames' urbanized area federal apportionment, Transit Intensive Cities, and State Transit Assistance funding.

Contracted Paratransit (Dial-A-Ride) Service

According to federal regulations, public transit agencies providing fixed-route transit service in their community must also provide door-to-door transportation service within a ¼ mile area of that fixed-route service. Therefore, CyRide purchases transportation service for its Dial-A-Ride operations in order to meet this ADA requirement. This requirement has been expanded to the entire city limits of Ames.

Associated Transit Improvements

CyRide developed a Bus Stop Plan that recommended an implementation plan for bus stop amenities along CyRide's fixed-route system. From the prioritization of recommended stop improvements, concrete pads will be added for easier boarding/alighting during inclement weather as well as replacing bus shelters with lighted bus shelters to improve the

accessibility for patrons and CyRide's image throughout the Ames community. In February 2013, CyRide launched Nextbus allowing passengers to obtain real-time information of the next buses coming to a particular bus stop. The information can be obtained on CyRide's website, by texting or calling or via LED digital signs at the bus stop. CyRide envisions additional LED digital signage signs next to high ridership stops throughout the Ames community.

Heavy Duty Bus Replacement

Eight buses have exceeded FTA guidelines for useful life. Bus numbers are 00716, 00715, 00711, 00712, 00717, 00713, 00144, 00145. These units will be replaced with 40' heavy-duty buses, equipped with cameras. These replacement vehicles will be ADA accessible.

Heavy Duty Bus Expansion

The System Redesign that was recently adopted by the CyRide Board is adding new several new service routes including: 25 Gold, 11 Cherry, 12 Lilac where large buses would operate. It is not clear whether the current administration plans to provide an infrastructure package in the near future. If this comes to fruition, four new buses would provide additional expansion possibilities for these routes in lieu of CyRide purchasing "used" buses to expand service. These new vehicles would be ADA accessible if purchased.

In-Ground Hoist Replacements

Three new hoists would provide substantial benefit to CyRide in allowing continued maintenance of federal/state funded buses to keep them in a state of good repair. Two of the hoists are 34 years old and the third 28 years old. The useful life for in-ground hoists is typically 20 years and each have corrosion beyond

repair making it difficult to move the hoists into place to work on different size vehicles. Additionally, all three hoists rely on one central “trunk” line to supply its fluid. Therefore, a ruptured line or other failed parts on the hydraulic pump makes all three hoists inoperable. New hoist technology will be autonomous and operate independently so if something failed on one of the pumps, mechanics could still work on the other two hoists as each would have its own individual hydraulic system. Performing timely preventive maintenance on vehicles is a federal requirement therefore the replacement of these hoists is critical in the near future.

Blue Route (Sunday)

In 2014-2015, CyRide doubled its frequency on the Sunday Blue route to 20-minute intervals between 11:00 am and 5:00 pm. The route previously operated at 40-minute intervals. One bus was added on Sundays to serve a portion of the route between ISU campus and the Wal-Mart on South Duff Avenue. This additional frequency helps reduce overcrowding and on-time performance issues experienced on the route. Additionally, this change will improve service by decreasing wait times for customers. Many trips along this portion of the route on Sunday consistently exceeded 60 passengers per bus, which is standing capacity. The seated capacity is 39 passengers. CyRide is requesting the final year of funding this project through Iowa’s Clean Air Attainment Program (ICAA) funding.

Brown/Green Route (Weekday)

In 2014-2015, CyRide added two additional buses along the Brown Route and one bus to the Green route each weekday between 11:30am and 6:00pm. Ridership has grown on both

these corridors to the point where overcrowding occurs and buses are having a difficult time staying on time and buses are exceeding standing capacity. Ridership on the Brown route has grown by more than 45% over the past three years due to the influx of students to apartments north of Somerset and full utilization of the Wallace/Wilson Residence Halls. An added benefit of this change is that the Brown/Green routes will now be able to meet other buses (Red and Blue routes) to make transfers allowing customers to switch between buses to travel to other areas of campus or the city. Previously, the Brown route bus arrived several minutes after the other route buses have left, causing customers to wait almost 20 more minutes until their next bus arrives. CyRide is requesting the final year of funding this project through Iowa’s Clean Air Attainment Program (ICAA) funding.

Plum Route (Weekday)

CyRide added a new route in 2015-2016 called the #9 Plum Route operated 20-minute service on ISU class weekdays between S. 16th/Duff and Iowa State University campus. The #9 Plum route serves high residential areas (The Grove, Laverne, Pleasant Run and Copper Beech) along S. 16th Street. This route also provides access to the commercial district near the intersection of S. 16th/Duff including Mid-Iowa Community Action and Community and Family Resources just east of this intersection. The route travels as follows: 16th St – University Blvd – Wallace – Osborn – Bissell – Union (past the Memorial Union & Knoll) – Lincoln Way – University – S. 16th – Buckeye. CyRide is requesting a second year of funding for this project through Iowa’s Clean Air Attainment Program (ICAA) funding at 50 percent. ICAAP can potentially fund up to three years of funding for new transit projects.

Appendix A: FFY 2018 – 2021 TPMS Printouts

MPO-22 / AAMPO

2018 - 2021 Transportation Improvement Program

TPMS Sponsor Appr. Status	Project # Location Funding Program	Length FHWA# S:TR		Pgm'd Amounts in 1000's				Total	STIP#
				FY18	FY19	FY20	FY21		
STBG - Surface Transportation Block Grant Program									
Story - 85									
36986 Ames	STP-U-0155()--27-85 In the city of Ames, On SOUTH GRAND AVE, from 0.1 miles north of S. 16th Street North .54 Miles to S 5th Street,	0.54 MI --	Project Total Federal Aid	12,500 3,500	0 0	0 0	0 0	12,500 3,500	
Draft TIP Approved	Grade and Pave,Bridge New	0:0:00	Regional FA	3,500	0	0	0	3,500	--
PA NOTE: Phase 2 of two phase project. Total STBG for both phases is \$5,500,000 (\$2,000,000 on Phase 1 TPMS 16032). Total Project Cost \$17,450,000 through FY19/20									
16032 Ames	STP-U-0155(690)--70-85 DOT Letting: 01/17/2018 In the City of Ames, On S Grand Ave and S 5TH ST from S Grand Ave east to .12 miles west of S Duff Ave.	0.468 MI --	Project Total Federal Aid	3,040 2,396	0 0	0 0	0 0	3,040 2,396	
Draft TIP Approved	Grade and Pave	--	Regional FA	2,000	0	0	0	2,000	--
PA NOTE: Phase 1 of two phase project. Total STBG for both phases is \$5,500,000 (\$3,500,000 on Phase 2 TPMS 36986). Total Project Cost \$17,450,000 through FY19/20									
35644 Ames	STP-U-0155()--70-85 In the city of Ames, On 13th Street, from Ridgewood Avenue East 0.31 Miles to Harding Avenue	0.29 MI --	Project Total Federal Aid	1,480 1,060	0 0	0 0	0 0	1,480 1,060	
Draft TIP Approved	Pavement Rehab	--	Regional FA	1,060	0	0	0	1,060	--
16103 MPO-22 / AAMPO	RGPL-PA22(LRTP)--ST-85 Ames MPO Planning: STP Funds for Transportation Planning	0 MI --	Project Total Federal Aid	0 0	500 400	0 0	0 0	500 400	
Draft TIP Approved	Trans Planning	--	Regional FA	0	400	0	0	400	--
35616 Ames	STP-U-0155()--70-85 In the city of Ames, On North Dakota Avenue, from Ontario Street North 0.17 Miles to Union Pacific Railroad Tracks	0 --	Project Total Federal Aid	0 0	0 0	1,500 900	0 0	1,500 900	
Draft TIP Approved	Pave	--	Regional FA	0	0	900	0	900	--
35617 MPO-22 / AAMPO	RGTR-PA22()--ST-85 CyRide: Vehicle Purchase	0 --	Project Total Federal Aid	0 0	0 0	529 225	0 0	529 225	
Draft TIP Approved	Transit Investments	--	Regional FA	0	0	225	0	225	--
36919 Ames	STP-U-0155()--70-85 In the city of Ames, On Cherry Avenue, from E Lincoln Way South .4 Miles to Southeast 5th Street,	0.498 --	Project Total Federal Aid	0 0	0 0	0 0	2,900 1,890	2,900 1,890	
Draft TIP Approved	Grade and Pave	0:0:00	Regional FA	0	0	0	1,890	1,890	--

TPMS Sponsor Appr. Status	Project # Location Funding Program	Length FHWA# S.T.R		Pgm'd Amounts in 1000's				Total	STIP#
				FY18	FY19	FY20	FY21		
Story - 85 (continued)									
36927 Ames Draft TIP Approved	STP-U-0155()--70-85 In the city of Ames, On East 13th Street, from Duff Avenue East .4 Miles to Meadowlane Avenue, Pavement Rehab	0.356 -- 0:0:00	Project Total Federal Aid Regional FA	0 0 0	0 0 0	0 0 0	2,500 1,600 1,600	2,500 1,600 1,600	--
36918 MPO-22 / AAMPO Draft TIP Approved	RGTR-PA22()--ST-85 CyRide: Vehicle Replacement Transit Investments	0 -- --	Project Total Federal Aid Regional FA	0 0 0	0 0 0	0 0 0	539 225 225	539 225 225	--
NHPP - National Highway Performance Program									
Story - 85									
34019 DOT-D01-MPO22 Draft TIP Approved	IMX--35()--02-85 I-35: US 30 TO CO RD E29 (NB) Pavement Rehab,Traffic Signs	0 MI -- --	Project Total Federal Aid Regional FA	3,812 3,431 0	0 0 0	0 0 0	0 0 0	3,812 3,431 0	--
TAP - Transportation Alternatives									
Story - 85									
21260 Ames Draft TIP Approved	STP-E-0155(SE16TH)--8V-85 In the City of Ames, Skunk River Trail: From SE 16th Street to East Lincoln Way Ped/Bike Structures,Ped/Bike Miscellaneous	1.033 MI -- --	Project Total Federal Aid Regional FA	835 240 240	0 0 0	0 0 0	0 0 0	835 240 240	--
14980 Ames Draft TIP Approved	STP-E-0155(684)--8V-85 DOT Letting: 10/17/2017 In the city of Ames, Skunk River Trail, From Bloomington Road to Ada Hayden Park Ped/Bike Grade & Pave	0.5 MI -- --	Project Total Federal Aid Regional FA	544 320 320	0 0 0	0 0 0	0 0 0	544 320 320	--
14983 Ames Draft TIP Approved	STP-E-0155(SE16th)--70-85 In the City of Ames, Skunk River Trail: From SE 16th Street to East Lincoln Way Ped/Bike Grade & Pave	1 MI -- --	Project Total Federal Aid Regional FA	521 160 160	0 0 0	0 0 0	0 0 0	521 160 160	--
17025 Ames Draft TIP Approved	STP-E-0155()--8V-85 In the city of Ames, Skunk River Trail: River Valley Park to Bloomington Road Ped/Bike Grade & Pave	0.75 MI -- --	Project Total Federal Aid Regional FA	0 0 0	0 0 0	448 140 140	0 0 0	448 140 140	--
PL - Metropolitan Planning									
Region Wide - 00									
34214 MPO-22 / AAMPO Draft TIP Approved	RGPL-PA22(RTP)--PL-00 VARIOUS Trans Planning	0 -- --	Project Total Federal Aid Regional FA	119 95 0	119 95 0	119 95 0	119 95 0	476 380 0	--

TPMS Sponsor Appr. Status	Project # Location Funding Program	Length FHWA# S.T.R		Pgm'd Amounts in 1000's				Total	STIP#
				FY18	FY19	FY20	FY21		

PRF - Primary Road Funds

Story - 85

36883	STPN--69)--2J-85	0 MI	Project Total	500	0	0	0	500	
DOT-D01-MPO22	US 69: KEN MARIL RD TO S OF JEWEL DR IN AMES (STATE SHARE)	--	Federal Aid	0	0	0	0	0	
Draft TIP Approved	Pavement Rehab	--	Regional FA	0	0	0	0	0	--

FY 2018 - 2021 Transportation Improvement Program

Project Location Map

Legend

 Ames Area MPO Boundary


Program Year

 2018

 2019

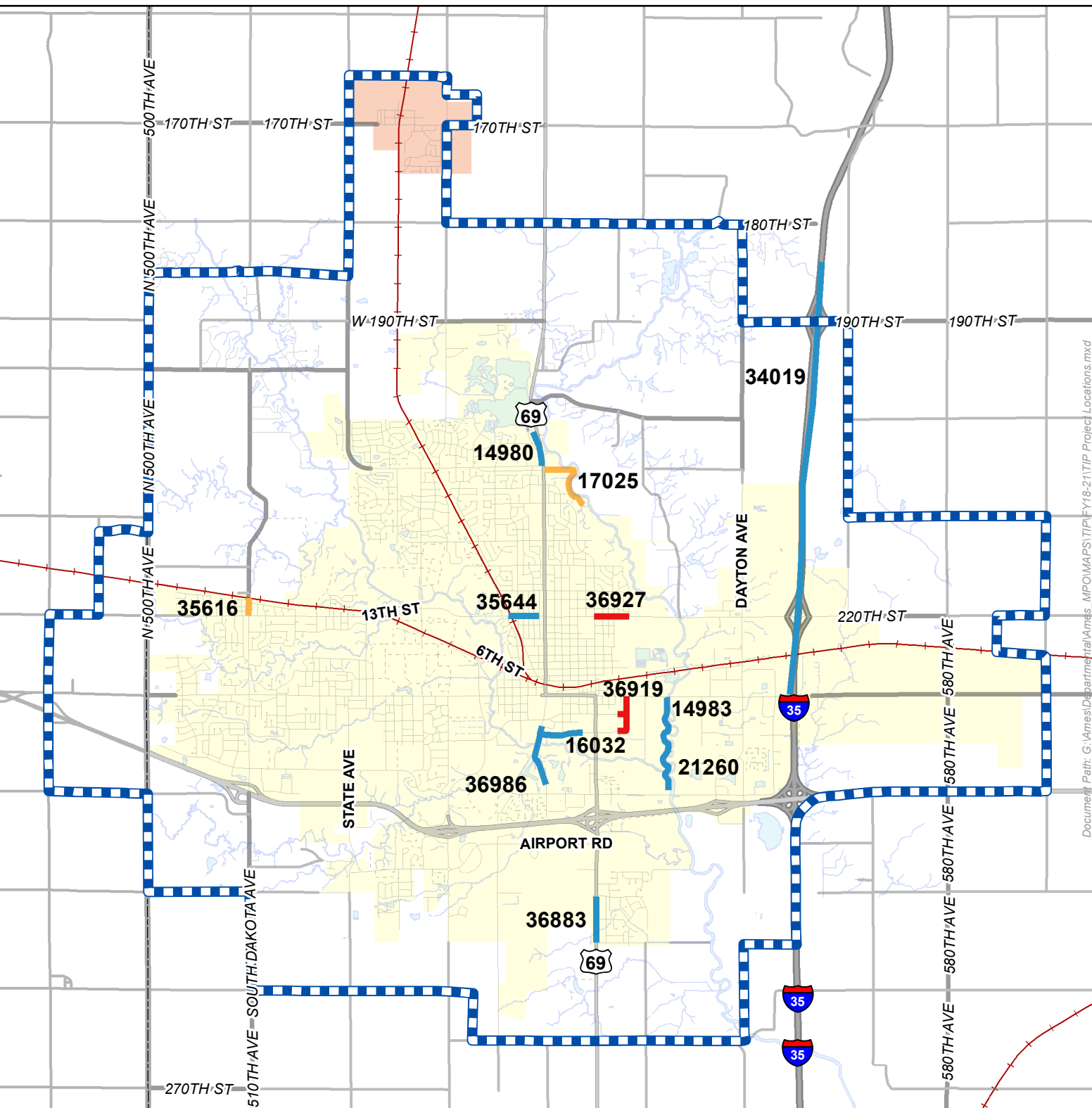
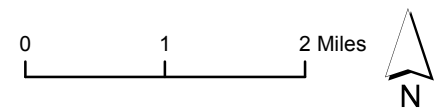
 2020

 2021

 City of Gilbert

 City of Ames








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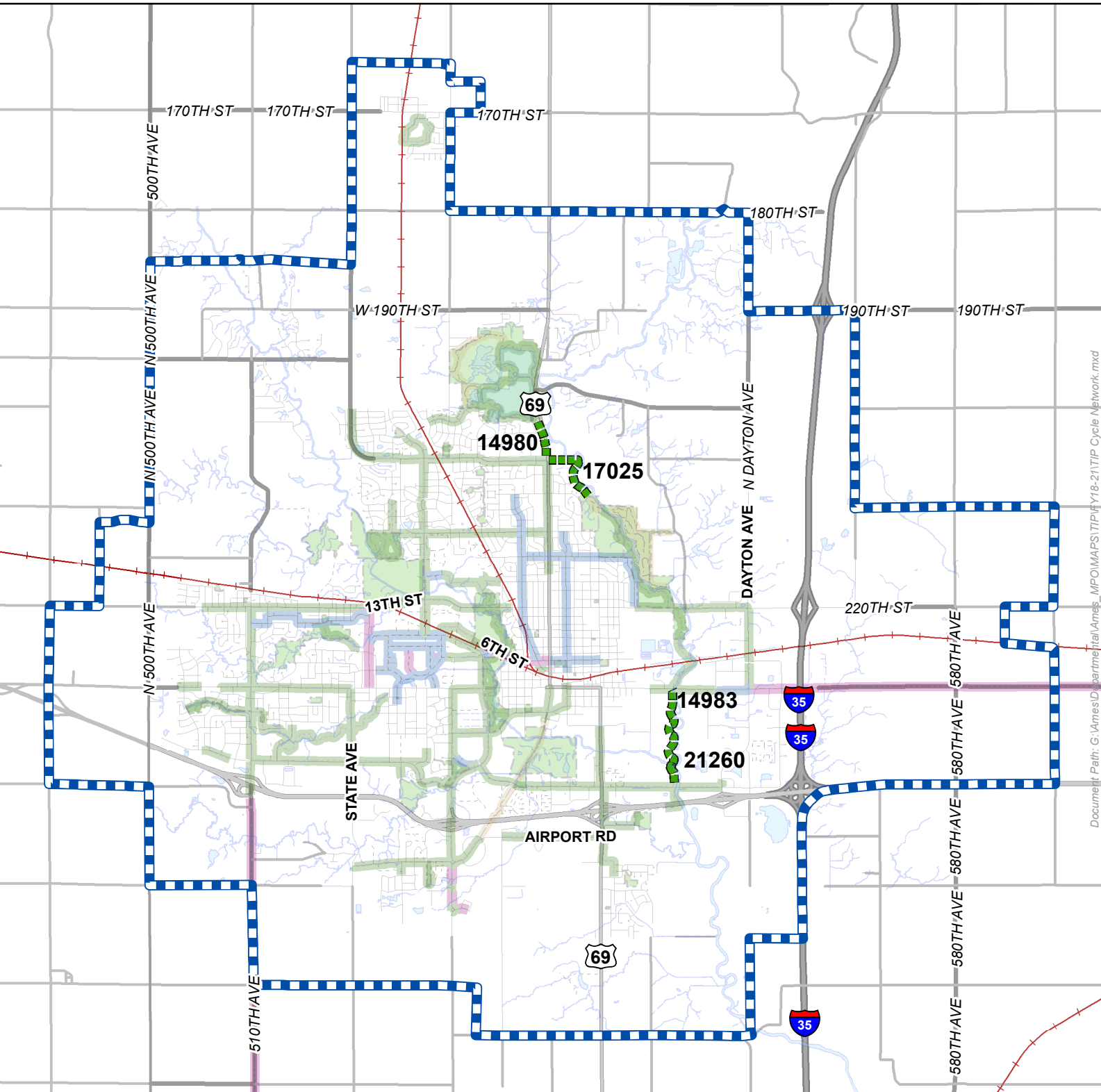
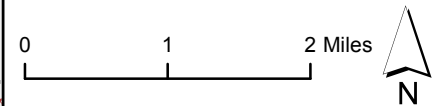
FY 2018 - 2021 Transportation Improvement Program

Project Location Map

Legend

-  Ames Area MPO Boundary
- Transportation Alternative Projects**
-  Future Shared Use Path
- Existing Bike and Trail Network**
-  Nature Trail
-  Dedicated On Street Facility
-  Shared Lane Bike Facility
-  Shared Use Path
-  Parks

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MPO-22 / AAMPO (51 Projects)

Fund	Sponsor	Transit # Expense Class Project Type	Desc / Add Ons / Addnl Info		FY18	FY19	FY20	FY21
STA, 5307	Ames	914 Operations Misc	General Operations	Total	11,244,816	12,036,577	12,518,039	13,018,762
				FA	2,200,000	2,288,000	2,379,520	2,474,701
				SA	824,406	857,382	891,677	927,344
5310	Ames	919 Operations Misc	Contracted Paratransit Service	Total	129,061	342,224	355,913	370,149
				FA	103,249	273,779	284,730	296,119
				SA				
5310	Ames	920 Capital Replacement	Associated Transit Improvements	Total	200,000	50,000	50,000	
				FA	160,000	40,000	40,000	
				SA				
5339	Ames	1891 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00716	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	1894 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00715	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	1898 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00711	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	1900 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00712	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2435 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00717	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2436 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00713	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2438 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00144	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2444 Capital Expansion	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2445 Capital Expansion	Heavy Duty Bus (40-42 ft.) VSS, Low Floor, BioDiesel	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2446 Capital Expansion	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel	Total	479,200			
				FA	407,320			
				SA				
5339	Ames	2447 Capital Expansion	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel	Total	479,200			
				FA	407,320			
				SA				
ICAAP	Ames	3664 Operations Expansion	9 Plum Route Weekday	Total	288,057			
				FA	230,446			
				SA				

MPO-22 / AAMPO (51 Projects)

Fund	Sponsor	Transit # Expense Class Project Type	Desc / Add Ons / Addnl Info		FY18	FY19	FY20	FY21
PTIG	Ames	3668 Capital Replacement	Bus Wash	Total	655,245			
				FA				
				SA	524,196			
PTIG	Ames	4119 Capital Replacement	In-Ground Hoist Replacement	Total	506,261			
				FA				
				SA	405,009			
ICAAP	Ames	4667 Operations Expansion	Brown/Green Weekday	Total	118,011			
				FA	94,409			
				SA				
ICAAP	Ames	4668 Operations Expansion	Blue Sunday	Total	9,198			
				FA	7,358			
				SA				
5339	Ames	2841 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00145	Total	479,200			
				FA	407,320			
				SA				
PTIG, 5309, 5339	Ames	3314 Capital Expansion	Maintenance Facility Expansion	Total		8,175,000	2,986,200	
				FA		4,300,000	853,200	
				SA		800,000		
5339	Ames	4672 Capital Replacement	Light Duty Bus (176" wb) Diesel, UFRC, VSS, BioDiesel Unit #: 00333	Total		108,700		
				FA		92,395		
				SA				
5339	Ames	4673 Capital Replacement	Light Duty Bus (176" wb) Diesel, UFRC, VSS, BioDiesel Unit #: 00334	Total		108,700		
				FA		92,395		
				SA				
5339	Ames	4674 Capital Replacement	Light Duty Bus (176" wb) Diesel, UFRC, VSS, BioDiesel Unit #: 00335	Total		108,700		
				FA		92,395		
				SA				
5339	Ames	4675 Capital Replacement	Light Duty Bus (176" wb) Diesel, UFRC, VSS, BioDiesel Unit #: 00336	Total		108,700		
				FA		92,395		
				SA				
5339	Ames	4678 Capital Replacement	Light Duty Bus (176" wb) Diesel, UFRC, VSS, BioDiesel Unit #: 00337	Total		108,700		
				FA		92,395		
				SA				
5339	Ames	4679 Capital Replacement	Light Duty Bus (176" wb) Diesel, UFRC, VSS, BioDiesel Unit #: 00338	Total		108,700		
				FA		92,395		
				SA				
5339	Ames	4659 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07117	Total		497,937		
				FA		423,613		
				SA				
5339	Ames	2836 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00714	Total		498,368		
				FA		423,613		
				SA				
5339	Ames	2837 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00956	Total		498,368		
				FA		423,613		
				SA				

MPO-22 / AAMPO (51 Projects)

Fund	Sponsor	Transit # Expense Class Project Type	Desc / Add Ons / Addnl Info		FY18	FY19	FY20	FY21
5339	Ames	2838 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00958	Total		498,368		
				FA		423,613		
				SA				
5339	Ames	2839 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00954	Total		498,368		
				FA		423,613		
				SA				
5339	Ames	2840 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00955	Total		498,368		
				FA		423,613		
				SA				
5339	Ames	1901 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00957	Total		498,368		
				FA		423,613		
				SA				
5339	Ames	1895 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00953	Total		498,368		
				FA		423,613		
				SA				
5339	Ames	1899 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00948	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4042 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00785	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4043 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00762	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4044 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00778	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4045 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00763	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4046 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00779	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4047 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00793	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4048 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00700	Total			518,304	
				FA			440,559	
				SA				
5339	Ames	4049 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00792	Total				539,035
				FA				458,180
				SA				
5339	Ames	4660 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07120	Total				539,035
				FA				458,180
				SA				

MPO-22 / AAMPO (51 Projects)

Fund	Sponsor	Transit # Expense Class Project Type	Desc / Add Ons / Addnl Info		FY18	FY19	FY20	FY21
5339	Ames	4661 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07118	Total				539,035
				FA				458,180
				SA				
5339	Ames	4662 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07119	Total				539,035
				FA				458,180
				SA				
5339	Ames	4663 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07121	Total				539,035
				FA				458,180
				SA				
5339	Ames	4664 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 972	Total				539,035
				FA				458,180
				SA				
5339	Ames	4665 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 974	Total				539,035
				FA				458,180
				SA				
5339	Ames	4666 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 971	Total				539,035
				FA				458,180
				SA				

Appendix B: Ames Area MPO Self Certification

AMES AREA METROPOLITAN PLANNING ORGANIZATION ANNUAL SELF-CERTIFICATION

In accordance with 23 CFR 450.334, the STATE DEPARTMENT OF TRANSPORTATION and the Ames Area Metropolitan Planning Organization for the Ames, Iowa urbanized area(s) hereby certify that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- (1) 23 U.S.C. 134, 49 U.S.C. Section 5303, and 23 CFR Part 450;
- (2) In nonattainment and maintenance areas, 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 93);
- (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 Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (Pub. L. 109-59) regarding the involvement of Disadvantaged Business Enterprises in FHWA and FTA funded planning;
- (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 49 CFR parts 27,37, and 38, and USDOT implementing regulation;
- (8) Older Americans Act, as amended (42 U.S.C. 6101);
- (9) 23 U.S.C. 324, regarding prohibition of discrimination based on gender; and
- (10) Section 504 of the Rehabilitation Act of 1973 and 49 CFR Part 27, regarding discrimination against individuals with disabilities.

For AAMPO:


Ann Campbell, Chair
Transportation Policy Committee

3-28-17
Date

Appendix C: Approval