

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

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

**BACKGROUND:**

In order to receive funds for transportation improvement projects, it is necessary for the projects to 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 Draft FY 2018 – 2021 Transportation Improvement Program. The Transportation Technical Committee reviewed the draft on May 18, 2017. The final FY 2018 – 2021 Transportation Improvement Program is due to the Iowa Department of Transportation by July 15, 2017.

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

\*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 STP Requests: \$5,135,000

Total New TAP Requests: \$0

**ALTERNATIVES:**

1. Approve the Draft FY 2018-2021 Transportation Improvement Program and set July 11, 2017, as the date for the public hearing.
2. Direct modifications to the Draft FY 2018-2021 Transportation Improvement Program and set July 11, 2017, as the date for the public hearing.

**ADMINISTRATOR'S RECOMMENDED ACTION:**

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 XX, 2017.** Please call (515) 239-5160 to obtain permission to use.

**Ames Area**  
metropolitan planning organization

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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. All projects submitted to the AAMPO for inclusion in the Transportation Improvement Program (TIP) are reviewed by staff and the Transportation Technical Committee (TTC) and Transportation Policy Committee (TPC). Projects are programmed in the TIP by approval of the TPC based on the recommendation of the TTC and staff.

#### 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 along with all STBG projects 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](http://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 update. Trail segments shown in the plan are sized proportionately based upon estimated construction costs.

A TA application form shall be submitted along with all TA projects to be considered to receive federal-aid funding. Submitted projects are then 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.

The ranked list is then discussed and may be revised during the TIP development process. This form can be requested from the Ames Area MPO staff or downloaded from the Ames Area MPO website at [www.aampo.org](http://www.aampo.org).

#### Other

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

<b>TPMS #</b>	<b>Project Number</b>	<b>Location</b>	<b>Type of Work</b>	<b>Status</b>	<b>Total Project Cost</b>	<b>Total Federal Aid</b>	<b>Sponsor</b>
34214	RGPL-PA22(RTP)--PL-00	Transportation Planning	Trans Planning	Ongoing	\$ 113,000	\$ 90,000	AAMPO
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 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)	\$18,930,000	\$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)	\$17,450,000	\$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 TAP Flex Target	\$66,545	\$68,000	\$68,000	\$68,000
<b>Subtotal</b>	<b>\$6,711,564</b>	<b>\$1,858,564</b>	<b>\$3,198,564</b>	<b>\$3,853,564</b>
Programmed STP Funds	\$6,560,000	\$400,000	\$1,125,000	\$3,715,000
<b>Balance</b>	<b>\$151,564</b>	<b>\$1,458,564</b>	<b>\$2,073,564</b>	<b>\$138,564</b>



<b>Table 4</b>						
<b>Forecasted Operations and Maintenance (O&amp;M) Costs on the Federal-Aid System Table</b>						
Source: 2016 City Street Finance Report						
	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
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
<b>Total O&amp;M</b>	<b>\$2,464,731</b>	<b>\$2,563,320</b>	<b>\$2,665,853</b>	<b>\$2,772,487</b>	<b>\$2,883,387</b>	<b>\$2,998,722</b>

<b>Table 5</b>						
<b>Forecasted Non-Federal Aid Revenue Table</b>						
Source: 2016 City Street Finance Report						
	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
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
<b>Total Non-Federal Aid Road Fund Receipts</b>	<b>\$35,569,655</b>	<b>\$36,992,441</b>	<b>\$38,472,139</b>	<b>\$40,011,024</b>	<b>\$41,611,465</b>	<b>\$43,275,924</b>

## 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.

## 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 13, 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](http://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.

## 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 C.

## 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		
<b>STBG - Surface Transportation Block Grant Program</b>									
Story - 85									
16032 Ames In Prep	<b>STP-U-0155(690)--70-85 DOT Letting: 01/17/2018</b> In the city of Ames, On South Grand Ave, South 5th St, and Intersection of S 16th St and Duff Ave Grade and Pave,Bridge New	0.652 MI -- --	Project Total Federal Aid Regional FA	17,450 5,896 5,500	0 0 0	0 0 0	0 0 0	17,450 5,896 5,500	--
<b>PA NOTE:</b> S Grand from 0.1 miles north of S. 16th Street to Squaw Creek Dr / S 5th St from S Grand Ave to S Duff Ave / S 16th & S Duff Ave Intersection Total Project Cost \$17,450,000 through FY19/20									
35644 Ames In Prep	<b>STP-U-0155(--70-85</b> In the city of Ames, On 13th Street, from Ridgewood Avenue East 0.31 Miles to Harding Avenue Pavement Rehab	0.29 MI -- --	Project Total Federal Aid Regional FA	1,480 1,060 1,060	0 0 0	0 0 0	0 0 0	1,480 1,060 1,060	--
16103 MPO-22 / AAMPO Submitted	<b>RGPL-PA22(LRTP)--ST-85</b> Ames MPO Planning: STP Funds for Transportation Planning Trans Planning	0 MI -- --	Project Total Federal Aid Regional FA	0 0 0	500 400 400	0 0 0	0 0 0	500 400 400	--
35616 Ames In Prep	<b>STP-U-0155(--70-85</b> In the city of Ames, On North Dakota Avenue, from Ontario Street North 0.17 Miles to Union Pacific Railroad Tracks Pave	0 -- --	Project Total Federal Aid Regional FA	0 0 0	0 0 0	1,500 900 900	0 0 0	1,500 900 900	--
35617 MPO-22 / AAMPO Submitted	<b>RGTR-PA22(--ST-85</b> CyRide: Vehicle Purchase Transit Investments	0 -- --	Project Total Federal Aid Regional FA	0 0 0	0 0 0	529 225 225	0 0 0	529 225 225	--
36919 Ames In Prep	<b>STP-U-0155(--70-85</b> In the city of Ames, On Cherry Avenue, from E Lincoln Way South .4 Miles to Southeast 5th Street, Grade and Pave	0.498 -- 0:0:00	Project Total Federal Aid Regional FA	0 0 0	0 0 0	0 0 0	2,900 1,890 1,890	2,900 1,890 1,890	--
36927 Ames In Prep	<b>STP-U-0155(--70-85</b> 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 In Prep	<b>RGTR-PA22(--ST-85</b> CyRide: Vehicle Replacement Transit Investments	0 -- --	Project Total Federal Aid Regional FA	0 0 0	0 0 0	0 0 0	529 225 225	529 225 225	--


TPMS Sponsor Apr. Status	Project # Location Funding Program	Length FHWA# S:T:R		Pgm'd Amounts in 1000's				Total	STIP#
				FY18	FY19	FY20	FY21		
<b>NHPP - National Highway Performance Program</b>									
Story - 85									
34019 DOT-D01-MPO22 Submitted	<b>IMX--35()--02-85</b> 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	--
<b>TAP - Transportation Alternatives</b>									
Story - 85									
21260 Ames In Prep	<b>STP-E-0155(SE16TH)--8V-85</b> 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 In Prep	<b>STP-E-0155(684)--8V-85 DOT Letting: 08/15/2017</b> 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 In Prep	<b>STP-E-0155(SE16th)--70-85</b> 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 In Prep	<b>STP-E-0155()--8V-85</b> 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	--
<b>PL - Metropolitan Planning</b>									
Region Wide - 00									
34214 MPO-22 / AAMPO Submitted	<b>RGPL-PA22(RTP)--PL-00</b> 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	--
<b>PRF - Primary Road Funds</b>									
Story - 85									
36883 DOT-D01-MPO22 Submitted	<b>STPN--69()--2J-85</b> US 69: KEN MARIL RD TO S OF JEWEL DR IN AMES (STATE SHARE) Pavement Rehab	0 MI -- --	Project Total Federal Aid Regional FA	500 0 0	0 0 0	0 0 0	0 0 0	500 0 0	--



# FY 2018 - 2021 Transportation Improvement Program

## Project Location Map

### Legend

 Ames Area MPO Boundary

### Program Year

 2018

 2019

 2020

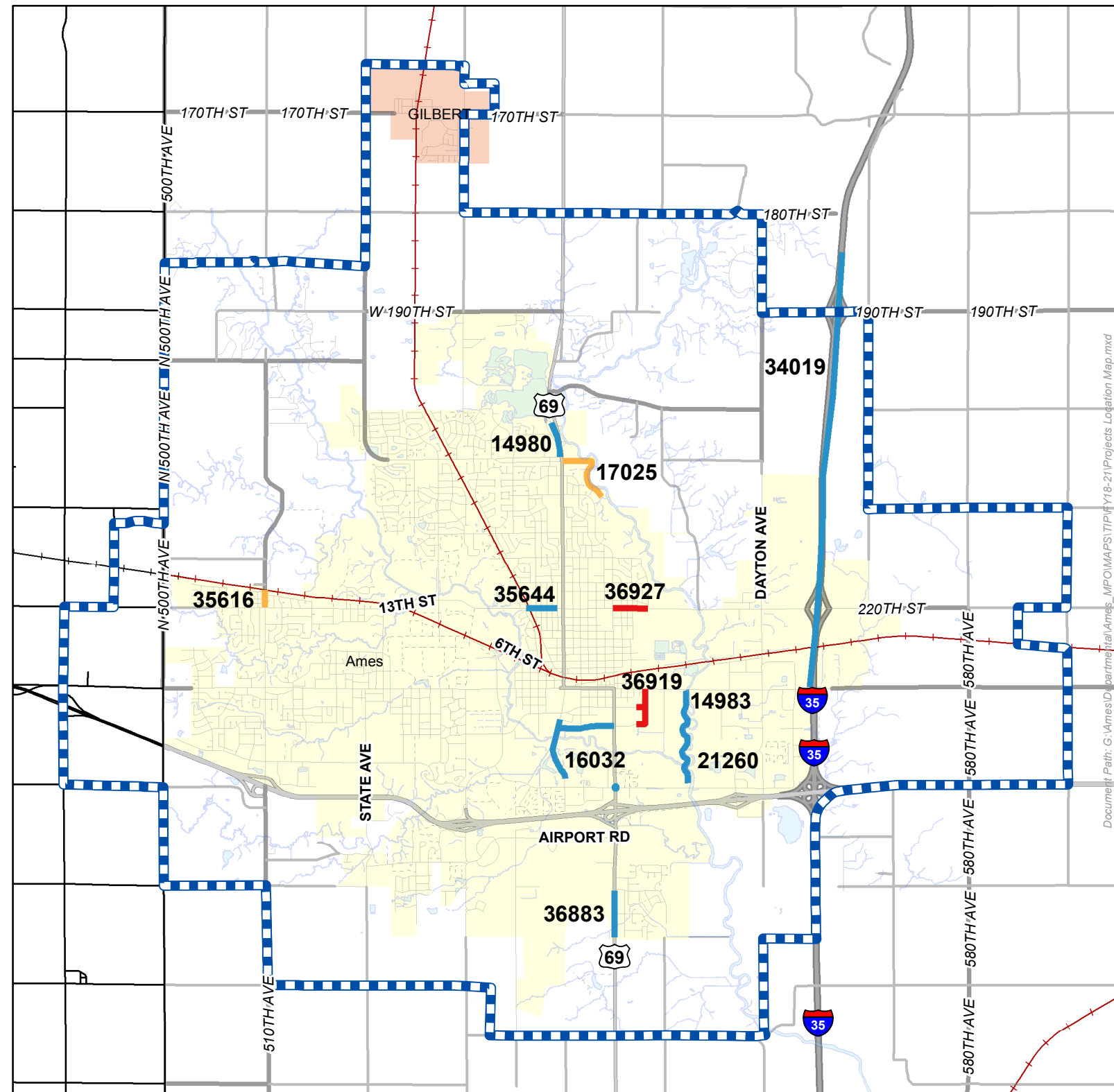
 2021

 City of Gilbert

 City of Ames

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
0 1 2 Miles



# FY 2018 - 2021 Transportation Improvement Program

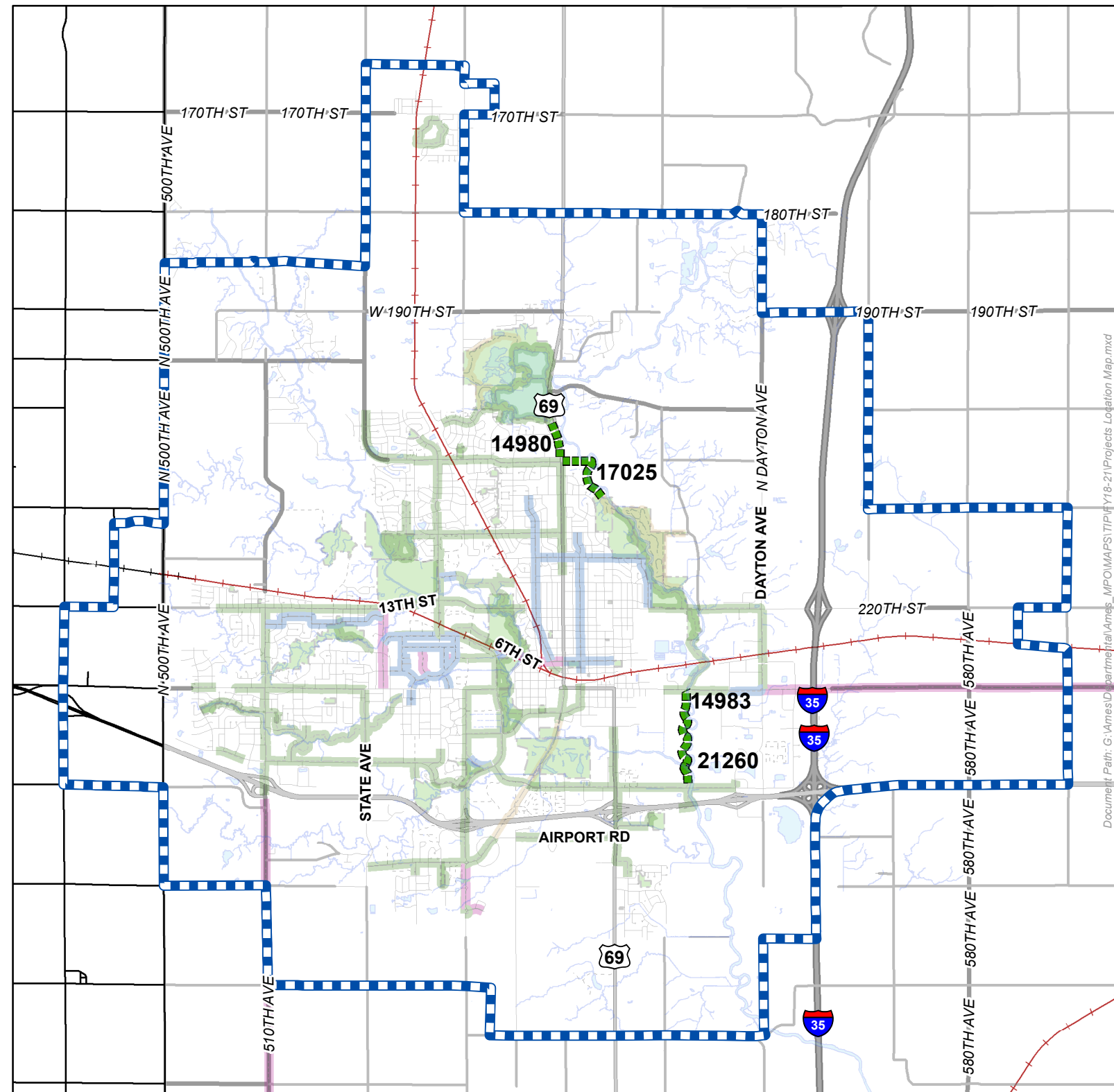
## Project Location Map

### Legend

-  Ames Area MPO Boundary
- TIP Cycle Facilities**
-  Future Shared Use Path
- Existing Cycle Network**
-  Nature Trail
-  Dedicated On Street Facility
-  Shared Lane Bike Facility
-  Shared Use Path
-  Parks

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0 1 2 Miles



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

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

## 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	<b>Total</b>		498,368		
				<b>FA</b>		423,613		
				<b>SA</b>				
5339	Ames	2839 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00954	<b>Total</b>		498,368		
				<b>FA</b>		423,613		
				<b>SA</b>				
5339	Ames	2840 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00955	<b>Total</b>		498,368		
				<b>FA</b>		423,613		
				<b>SA</b>				
5339	Ames	1901 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00957	<b>Total</b>		498,368		
				<b>FA</b>		423,613		
				<b>SA</b>				
5339	Ames	1895 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00953	<b>Total</b>		498,368		
				<b>FA</b>		423,613		
				<b>SA</b>				
5339	Ames	1899 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00948	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4042 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00785	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4043 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00762	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4044 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00778	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4045 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00763	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4046 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00779	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4047 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00793	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4048 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00700	<b>Total</b>			518,304	
				<b>FA</b>			440,559	
				<b>SA</b>				
5339	Ames	4049 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 00792	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				
5339	Ames	4660 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07120	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				

## 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	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				
5339	Ames	4662 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07119	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				
5339	Ames	4663 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 07121	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				
5339	Ames	4664 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 972	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				
5339	Ames	4665 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 974	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				
5339	Ames	4666 Capital Replacement	Heavy Duty Bus (40-42 ft.) Diesel, UFRC, VSS, Low Floor, BioDiesel Unit #: 971	<b>Total</b>				539,035
				<b>FA</b>				458,180
				<b>SA</b>				


## 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