



# TRANSPORTATION PLANNING WORK PROGRAM

**FY 2011**

**FINAL**

**Modified August 2, 2010**

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# INTRODUCTION

The Ames Area Metropolitan Planning Organization (AAMPO) was officially designated on March 17, 2003. This designation was the result of the Ames urbanized area having a population of greater than 50,000 people in the 2000 census. The AAMPO boundary was then designated based on the existing urbanized areas and the City of Ames Land Use Policy Plan (LUPP). The majority of the area is within the corporate limits of Ames. Small areas outside of the corporate limits in Story County and Boone County are included in the MPO boundary because of the need to plan for the eventual inclusion of these areas within the City.

The AAMPO is generally the stand-alone metropolitan area of Ames. Ames is located in central Iowa and is served by I-35, U.S. Highway 30, and U.S. Highway 69. Surface transportation needs are met through over 200 centerline miles of streets. The community has a very progressive mass transit system, CyRide, which carries approximately 4,400,000 bus passengers per year. The majority of users have Iowa State University ties; however, the bus system serves the entire community. The MPO is served by the Ames Municipal Airport, which serves general aviation needs for business, industry, and recreation users. Over 38,150 aircraft operations occur annually. Union Pacific Railroad provides freight service to the area by dual east-west mainline tracks and a northern agricultural spur.

The City of Ames City Council, the Story County Board of Supervisors, and the Boone County Board of Supervisors approved a 28-E Agreement that provides for the governing of the organization by a Transportation Policy Committee. That committee is made up of the following people:

City of Ames Mayor and City Council members (7)

*Ann Campbell*

*Riad Mahayni*

*Matthew Goodman*

*Jami Larson*

*Peter Orazem*

*Thomas Wacha*

*Jeremy Davis*

Boone County representative (1)

*Mike O'Brien*

Story County representative (1)

*Wayne Clinton*

Ames Transit Agency (CyRide) representative (1)

*Bob Anders*

Iowa Department of Transportation non-voting representative (1)

*Mike Clayton*

Federal Highway Administration non-voting representative (1)

*Tracy Troutner*

Federal Transit Administration non-voting representative (1)

*Mark Bechtel*

In addition, the Transportation Policy Committee will appoint various committees, as appropriate, to advise them. In particular, a Transportation Technical Committee was appointed to provide advice on the programming decisions that involve project issues. Members of the Transportation Technical Committee are as follows:

Ames Municipal Engineer  
*Tracy Warner, Chair*

Ames Traffic Engineer  
*Damion Pregitzer*

Ames Operations Superintendent  
*Dave Cole*

Ames Director of Planning and Housing  
*Steve Osguthorpe*

Ames Long Range Planner  
*Charlie Kuester*

Transit (CyRide) Director  
*Sheri Kyras*

Iowa State University representative  
*Cathy Brown*

Boone County representative  
*Bob Kieffer*

Story County representative  
*Darren Moon*

Federal Highway Administration (FHWA) non-voting representative  
*Tracy Troutner*

Federal Transit Administration (FTA) non-voting representative  
*Mark Bechtel*

Iowa Department of Transportation (Iowa DOT) Non-voting representative  
*Mike Clayton*

Funds shown for the 2011 fiscal year include new funds and carryover funds from the previous Transportation Planning Work Programs.

## WORK ELEMENTS

In general, the overall metropolitan planning goals for the AAMPO are to:

- Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency
- Increase the safety of the transportation system for motorized and non-motorized users
- Increase the security of the transportation system for motorized and non-motorized users
- Increase the accessibility and mobility of people and for freight
- Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and state and local planned growth and economic development patterns
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight
- Promote efficient system management and operation
- Emphasize the preservation of the existing transportation system

The following documents are developed, updated, or maintained on an annual basis:

- Transportation Planning Work Program (TPWP)
- Transportation Improvement Program (TIP)
- Public Participation Plan (PPP)
- Long-Range Transportation Plan (LRTP)
- Passenger Transportation Plan (PTP):  
As part of an effort to coordinate and develop services with human service agencies and other transit agencies, a Passenger Transportation Plan has been developed, and is updated annually. CyRide, representing AAMPO, has met locally with human service agencies and transportation providers in an effort to further this goal.

### TPWP Development:

In general, the TPWP is a living, working document that is utilized throughout the year through the course of coordination with other governmental and transportation agencies, technical committee members, and private citizens. This is accomplished through a continuing, cooperative, and comprehensive transportation planning process. There is a multi-phase public participation process carried out in creating the TPWP. In addition to informal input throughout the year, there is formal input sought at the Policy Committee public hearings for the Draft and Final TPWP and at a Public Input session. In an effort to increase public awareness and involvement, AAMPO staff meets with community groups such as Iowa State University classes and committees, Ames Chamber of Commerce, and civic organizations such as Rotary International. The TPWP also includes elements gathered at other meetings and events such as PTP workshops, MPO quarterly meetings, and public informational meetings. Also, information was presented and public comment gathered at City Council sessions regarding Context Sensitive Solutions and Complete Streets.

## Administration

Task Objective: Administration of AAMPO Transportation Planning.

Project Description: The fiscal year 2011 TPWP and the budget will be monitored and amended as needed.

The FY 2012 TPWP and budget will be prepared. The financial audit for FY 2010 will be initiated.

Payment will be made for the participation in the Statewide Urban Standard Design and Specifications manuals and the Pavement Management program through the STP funding in the TIP.

Staff: Administrator (Public Works Director)  
Municipal Engineer  
Traffic Engineer  
Transportation Planner  
Transit Planner  
City Clerk  
Public Works Administrative Assistant  
Finance Director  
Clerical

Time: 550 hours

Cost: \$41,273 (10%)

### Work Products (with estimated completion):

- FY 2011 TPWP maintenance, budget monitoring (ongoing)
- FY 2012 TPWP development (May 2011)
- Administration of requests for Congressionally directed appropriations (ongoing)
- Identify and analyze potential changes to the Transportation Policy Committee structure (March 2011)
- Finalize agreed upon AAMPO boundary line revisions
- Self Certification (May 2011)

### Previous Work:

- FY 2010 TPWP maintenance, budget monitoring
- FY 2011 TPWP development
- Grand Avenue Extension appropriation administration
- Transportation Planner selection
- Self Certification

## **Transportation Improvement Program**

Task Objective: State and federal project programming for AAMPO member agencies.

Project Description: The Federal Fiscal Year 2010-2013 Transportation Improvement Plan (FY 10-13 TIP) will be maintained and amended as necessary. The FY 2011-14 TIP for Surface Transportation Projects and Enhancement Projects will be developed. Coordination with the Iowa DOT Statewide Transportation Improvement Program (STIP) will also be undertaken.

Staff: Administrator (Public Works Director)  
Transportation Planner  
Public Works Administrative Assistant  
Municipal Engineer  
Traffic Engineer  
Transit Director  
Transit Coordinator  
Transit Planner  
Finance Director  
Budget Officer  
City Clerk  
Clerical

Time: 550 hours

Cost: \$41,272 (10%)

### Work Products:

- Maintain 2011-14 TIP (ongoing)
- Prepare 2012-15 TIP (May 2011)
- Revise 2011-14 TIP (as necessary)

### Previous Work:

- Completed 2011-14 TIP
- Maintained 2010-13 TIP
- Amendments for ARRA 2009 and Stimulus II

## Comprehensive Planning

Task Objective: Integrate transportation planning and land use planning for AAMPO member agencies.

### Project Description:

- Review subdivisions and development projects to determine transportation impact
- Analysis related to economic activities
- Forecasting activities related to transportation planning
- Attend relevant conferences pertaining to MPO planning issues
- Updating/amending the bikeways plan, as necessary
- Updating/amending the LUPP and Urban Fringe Plan, as necessary
- Traffic counts along area streets
- Traffic accident data analyses
- Street alignment and traffic signal concept layouts
- Utilization of a regional ITS architecture will be completed
- Research mobility issues relating to walks, paths, safe routes, etc.
- Participation in and support of Highway 30 Coalition activities

Staff: Traffic Engineer  
Municipal Engineer  
Administrator (Public Works Director)  
Transportation Planner  
Planning Staff  
Transit Planner

Time: 700 hours

Cost: \$55,030 (15%)

### Work Products:

- Update Safe Routes to School maps (as necessary)
- Participation in CIRTPA Bicycle Roundtable (ongoing)
- City of Ames Bicycle Map update (as necessary)
- Integrate multi-modal (non-motorized) LOS (as directed)
- Maintain/update transportation network model (ongoing)
- Traffic calming study, system wide (June 2011)
- Development of pavement management system (on-going)
- Update street functional classification map (January 2011)
- City-wide count program and traffic signal synchronization review
- Review/update ADA Transition Plan

### Previous Work:

- Analyze fringe area growth impacts on transportation
- Safe Routes to School map updates
- Downtown parking map update
- Central Iowa Bicycle Roundtable
- Neighborhood traffic calming coordination

## Transit Planning

Task Objective: Enhance a coordinated, accessible, and efficient transit system

Project Description: Planning efforts will reflect prioritization of the following areas:

- Incorporating safety and security in transit (transportation) planning
- Participation of transit operators in metropolitan and statewide planning
- Coordination of non-emergency human service transportation
- Planning for transit system management and operation to increase ridership
- Make transit capital investment decisions through effective systems planning

This item involves transit planning issues related to land use and development issues, ridership surveys and analyses, and the study of student and commuter service. Meetings will be held to facilitate the (locally developed) coordinated public transit/human-services transportation plan to improve transportation services for the low-income, aging and disabled populations within the community. Efforts will concentrate on improving operating efficiencies of current services and eliminating gaps where and when transportation is not available. The Transportation Planner may conduct various planning and ridership studies throughout the year.

Staff: Transit Director  
Transit Planner  
Transit Coordinator  
Transit Operations Supervisor  
Transportation Planner  
Administrator (Public Works Director)  
Traffic Engineer

Time: 550 hours

Cost: \$41,273 (10%)

### Work Products:

- Work towards maintenance/update of the PTP (ongoing)
- Corridor and facility expansion studies (as necessary)
- Bus stop amenities planning (ongoing)
- Intermodal facility project development
- Administration of Ames Alternative Analysis Study (ongoing, description follows)
- Administration of Ames – Des Moines Corridor Study (ongoing, description follows)

### Previous Work:

- Ongoing planning activities
- Participation in TIP and TPWP development
- Leading human service/transportation provider workshops
- Update of PTP
- Ames Alternatives Analysis Study and Corridor Study
- TIGER application



## Special Transit Studies

### Alternative Analysis Study (in an approved transit grant)

Task Objective: Conduct Alternative Analysis study of Orange Route corridor between Iowa State Center and Iowa State University campus

Project Description: An Alternatives Analysis (AA) Study will be conducted of the Iowa State Center to Iowa State University campus corridor identified currently as the Orange Route. The Ames Transit Agency recently completed a smaller Transit Feasibility Study looking at seven corridors in the community that had either current transportation/growth issues or future identified growth. The study identified transportation options to resolve corridor problems of which the Orange Route is operating at near maximum capacity. It was determined through the Transit Feasibility Study that the Orange Route may qualify for Small New Starts funding to establish a Bus Rapid Transit corridor which would operate more like a light rail type system only using more cost-efficient buses. The AA study will analyze specific route options in more depth regarding transit-only corridors, provide detailed information on bus stop upgrades, and analyze route speed increases that could be realized with extended-green technology. This study will also analyze the financial capacity/needs of the Ames community to undertake a project such as Bus Rapid Transit. At the conclusion of the AA Study, a locally preferred alternative – the “proposed action” – will be determined.

<b>Federal (5339)</b>	<b>\$160,000</b>
Local (CyRide)	\$40,000
Total Cost	\$200,000

### Ames-Des Moines Corridor Study

Task Objective: Consultant to be selected to conduct study of I-35 corridor between Ames-Des Moines to determine the feasibility of implementing transit alternatives as opposed to the single occupant vehicle travel along this corridor.

Project Description: This planning study would determine the feasibility of implementing transit improvements to reduce single occupant automobile traffic along Interstate 35 between the City of Ames and City of Des Moines. The study would provide essential information to key decision-makers in Des Moines, Ames and Ankeny to implement future transportation improvements along this corridor. The study would examine the following:

- Identify need/potential ridership in the Ames-Des Moines corridor
- Analyze potential transportation modes to serve forecasted ridership demand
- Refine best alternative details
- Identify potential funding sources
- Identify benefits of implementation

The Des Moines Area Regional Transit Authority, Heart of Iowa Regional Transit Agency and CyRide could co-sponsor the project through a coordinated effort from the following potential organizations: Iowa State University, City of Ames, City of Ankeny, Greater Des Moines Partnership, Des Moines Area Metropolitan Planning Organization

(DMAMPO) and the Iowa DOT's Office of Public Transit. This study would further the results from the state-wide needs corridor analysis recently completed in December 2009. Local funding could be derived from the DMAMPO, Des Moines DART and CyRide, but is undetermined at this time.

<b>State (STA)</b>	<b>\$80,000</b>
Local (TBD)	\$20,000
Total Cost	\$100,000

## Public Participation

Task Objective: Incorporate a public involvement process that fosters public participation throughout the planning and transportation decision-making process.

Project Description: Informational meetings, as well as public hearings, will be held to obtain public input and feedback on ongoing activities of AAMPO. The Public Participation Plan (PPP) is posted online at <http://www.cityofames.org/> These documents will be transferred to the AAMPO website during the duration of this work plan.

Currently, the City of Ames maintains a website on which the activities of the AAMPO are included. Items include the meeting schedule and the approved TIP and TPWP as well as links to LRTP and PTP information. An additional goal will be to review the AAMPO Public Participation Plan (PPP) to make suggestions for improving outreach activities and strengthening public input.

Staff: Administrator (Public Works Director)  
Transportation Planner  
Public Relations Officer and Intern  
Planning staff  
Transit Director  
Transit Planner  
Traffic Engineer  
Municipal Engineer

Time: 350 hours

Cost: \$20,015 (5%)

### Work Products:

- Public meetings for TIP and TPWP input (April 2010 and as needed)
- Update letters to neighborhood groups and interested parties (ongoing)
- Update the PPP (January 2011)
- Enhance AAMPO web presence and capabilities (on-going)

### Previous Work:

- Public meetings for TIP, TPWP, and PTP
- Public meetings for project input sessions
- Update letters to neighborhood groups and interested parties

## **Committee Support**

Task Objective: Provide information, background material, and viable alternatives to the committees to assist them in making fully informed decisions.

Project Description: Support for the Policy and Technical Committees will be conducted on an as needed basis. Work elements include reports, records management, correspondence, planning of meetings, and supporting materials

Staff: Administrator (Public Works Director)  
Transportation Planner  
Municipal Engineer  
Traffic Engineer  
Operations Superintendent  
Planning staff  
Transit Director  
Transit Planner  
Clerical Staff

Time: 350 hours

Cost: \$27,515 (5%)

### Work Products:

- Technical Committee and Policy Committee meetings/minutes (as scheduled)
- Conduct Citizen Advisory Committee meetings (as necessary)

### Previous Work:

- Technical Committee and Policy Committee meetings/minutes

## Long Range Transportation Plan

Task Objective: Provide framework for orderly, efficient growth of an integrated, multi-modal transportation network.

Project Description: Work will finish on the 2035 Long Range Transportation Plan (LRTP) update. The updated LRTP will be compliant with SAFETEA-LU requirements. Work activities that have taken place for the update include evaluation of the LUPP for compliance, reviewing traffic impact studies for major site developments, alternative network development and analysis, updated transit analysis, update the transportation model, public participation opportunities, and completion of final report.

Also, new development proposals and project locations will be reviewed for compliance with the LRTP. All modes of travel will be considered.

Staff: Transportation Planning Consultant (HDR Inc.)  
Administrator (Public Works Director)  
Public Works Administrative Assistant  
Municipal Engineer  
Traffic Engineer  
Transit Director  
Transit Coordinator  
Transit Planner  
Long Range Planner  
Transportation Planner  
Finance Director  
Budget Officer  
City Clerk/Clerical

Time: 550 hours (additional work from consultant)

Cost: \$201,282 (45%); Total Contract Budget = \$400,000 (see 2010 TIP)

### Work Products:

- Finish 2035 update to LRTP, assuring SAFETEA-LU compliance (September 2010)

### Previous Work:

- Assure proposed transportation networks are integrated and consistent with the LRTP (to be conducted as projects are submitted and needs arise)
- Evaluation of regional commercial areas and large scale mixed-use developments
- Working to update the 2035 LRTP

# BUDGET SUMMARY FY 2011

## Funding (Revenue) Sources

FTA 5303	\$ 27,724
FHWA PL	\$ 76,581
STP	\$ 231,000
Carryover Funds	
FTA 5303	\$ 27,767
FHWA PL	\$ 88,056
Local	<u>\$ 112,782</u>
TOTAL	\$ 563,910

## Cost Allocation Plan

The local match for salaries and other expenses is a part of the City Council adopted 2010/2011 budget for all personnel and associated expenses. Costs billed will be for those specified. The main source of local-match funds will come from the City of Ames Road Use Tax allocation. New FY 2010 funds have been combined with the carryover amounts for expense allocations. **Carryover funds will be used first** before new allocations. AAMPO does not charge indirect costs and does not submit a DBE worksheet to Iowa DOT.

## Work Element Expense Summary

Element	STP	FTA 5303	FHWA PL	Local	Element Total
Administration	\$0	\$5,000	\$28,018	\$8,255	\$41,273
Transportation Improvement Program	\$0	\$5,283	\$27,735	\$8,254	\$41,272
Comprehensive Planning	\$0	\$5,200	\$38,824	\$11,006	\$55,030
Transit Planning	\$0	\$30,000	\$3,018	\$8,255	\$41,273
Public Participation	\$0	\$2,500	\$13,512	\$4,003	\$20,015
Committee Support	\$0	\$2,500	\$19,512	\$5,503	\$27,515
Long Range Transportation Plan	\$122,000	\$5,008	\$34,018	\$40,256	\$201,282
Source Total	\$122,000	\$55,491	\$164,637	\$85,532	\$427,660