City of Madison

City of Madison
Madison, WI 53703
www.cityofmadison.com

Master

File Number: 81392

File ID: 81392 **File Type:** Resolution **Status:** Passed

Version: 2 **Reference:** **Controlling Body:** Traffic Engineering Division

File Created Date : 01/03/2024

File Name: Supporting and approving the City of Madison's application to the US Department of Transportation (USDOT) towards FY 2023-2024 ATTAIN grant program, the acceptance of the grant, and authorizing the Mayor and City Clerk to execute a grant agreement with US

Final Action: 01/23/2024

Title: SUBSTITUTE - Supporting and approving the City of Madison's application to the US Department of Transportation (USDOT) towards FY 2023-2024 ATTAIN grant program, the acceptance of the grant, and authorizing the Mayor and City Clerk to execute a grant agreement with USDOT or its designee, if awarded the grant.

Notes:

Sponsors: Satya V. Rhodes-Conway, Dina Nina Martinez-Rutherford, Juliana R. Bennett, Derek Field, MGR Govindarajan, Amani Latimer Burris And Regina M. Vidaver

Effective Date: 01/26/2024

Attachments: 81392-version1.pdf

Enactment Number: RES-24-00073

Author: Yang Tao

Hearing Date:

Entered by: ALarson2@cityofmadison.com

Published Date:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Traffic Engineering Division	01/03/2024	Referred for Introduction				
	Action Text: This Resolution was Referred for Introduction						
	Notes: Transportation Commission (1/17/24), Finance Committee (1/16/24), Common Council (1/23/24)						
1	COMMON COUNCIL	01/09/2024	Refer	TRANSPORTATION COMMISSION	01/17/2024		Pass
	Action Text: A motion was made by Currie, seconded by Figueroa Cole, to Refer to the TRANSPORTATION COMMISSION. The motion passed by voice vote/other.						
	Notes: Additional referral to Finance Committee.						
1	TRANSPORTATION COMMISSION	01/09/2024	Refer	FINANCE COMMITTEE	01/16/2024		
	Action Text: This Resolution was Refer to the FINANCE COMMITTEE						

2	FINANCE COMMITTEE	01/16/2024	Return to Lead with the Recommendation for Approval	Pass

Action Text: A motion was made by Verveer, seconded by Vidaver, to Return to Lead with the Recommendation for Approval to the TRANSPORTATION COMMISSION. The motion passed by voice vote/other.

2	TRANSPORTATION COMMISSION	01/17/2024	RECOMMEND TO COUNCIL TO ADOPT - REPORT OF OFFICER	Pass

Action Text: Bennett moved to RECOMMEND TO COUNCIL TO ADOPT - REPORT OF OFFICER, seconded by Kliems. The motion passed by voice vote/other.

2	COMMON COUNCIL	01/23/2024	Adopt Unanimously	Pass

Action Text: A motion was made by Currie, seconded by Figueroa Cole, to Adopt Unanimously. The motion passed by voice vote/other.

Text of Legislative File 81392

Fiscal Note

The proposed resolution supports and approves the City of Madison's submission of an application to the US Department of Transportation (USDOT) for the FY 2023-2024 Advanced Transportation Technologies and Innovative Mobility Deployment (ATTIMD) Program (also known as the ATTAIN Program) discretionary grant, the acceptance of the grant if awarded, and authorizes the Mayor and City Clerk to enter a grant agreement with USDOT or its designee if awarded the grant. The requested grant amount is up to $7 million* and maybe lower for better competitiveness. The project is in partnership with the Wisconsin Department of Transportation (WisDOT) and project cost related to the local match will be split (tentatively 90 percent by WisDOT, 10 percent by City of Madison) based on historic projects. The 2025 Traffic Engineering Division budget request would include the required matching funds should the proposed grant be awarded to the City of Madison.
*A previous fiscal note listed the requested amount up to $5 million. Fiscal note updated 1/18/24 to reflect updated project cost information.

Title

SUBSTITUTE - Supporting and approving the City of Madison's application to the US Department of Transportation (USDOT) towards FY 2023-2024 ATTAIN grant program, the acceptance of the grant, and authorizing the Mayor and City Clerk to execute a grant agreement with USDOT or its designee, if awarded the grant.

Body

WHEREAS, the City of Madison Traffic Engineering Division recommends pursuing federal funding for leveraging existing Smart City investments such as those made along the Smart Park Street Corridor to expand the safety, mobility and equity benefits in the City; and

WHEREAS, the City of Madison, Wisconsin Department of Transportation (WisDOT), University of Wisconsin in Madison (UW-Madison), and other partners have identified FY 2023-2024 Advanced Transportation Technologies and Innovative Mobility Deployment (ATTIMD) Program (also known as the ATTAIN Program) discretionary grant as a potential source for deployment of advanced transportation technologies to improve safety, mobility and equity, such as red light running warning and piloting next generation emergency vehicle traffic signal preemption and snowplow traffic signal priority; and

WHEREAS, the ATTAIN Grant Program will support deploying, installing, and operating advanced transportation technologies; and

WHEREAS, up to $120 million are available through the ATTAIN Grant Program in FY 2023-2024 to improve safety, mobility, efficiency, system performance, intermodal connectivity, and infrastructure return on investment; and

WHEREAS, the USDOT Selection Criteria for ATTAIN Grant Program include #1 Technical Merit, #2 Staffing, and #3 Cost, which are of equal importance; and

WHEREAS, the USDOT may prioritize projects that address Biden Administration's Priorities (Safety, Climate Change and Sustainability, Equity, Workforce Development, Job Quality, and Wealth Creation) and DOT Focus Areas (State of Good Repair, Integration of Intelligent Transportation Systems with the Smart Grid and other energy distribution and charging systems, Advanced Public Transportation Systems, Efficiency of Freight Movement, ROUTES Initiative, Complete Trip Program, and Data Availability);

NOW, THEREFORE, BE IT RESOLVED that the Mayor and Common Council supports the application to the USDOT/FHWA FY 2023-2024 ATTAIN grant program for funding of deployment of advanced transportation technologies to improve safety, mobility and equity, such as red light running warning and piloting next generation emergency vehicle traffic signal preemption and snowplow traffic signal priority;.

BE IT FURTHER RESOLVED, that Traffic Engineering's 2025 capital budget requests will include the local funding match, subject to Council review and adoption as part of the budget process, if awarded a grant through the ATTAIN Program; and

BE IT FURTHER RESOLVED that the Common Council authorizes the Director of Traffic Engineering to apply for the grant on behalf of the City and to accept the grant if awarded; and

BE IT FINALLY RESOLVED that the Common Council authorizes the Mayor and the City Clerk to enter into a grant agreement with USDOT or its designee, in a format approved by the City Attorney, for the USDOT ATTAIN Grant Program in the 2023-2024 funding opportunity.

Wisconsin Department of Transportation
Office of the Secretary
4822 Madison Yards Way, S903
Madison, WI 53705

Governor Tony Evers
Secretary Craig Thompson
wisconsindot.gov
Telephone: (608) 266-1114
FAX: (608) 266-9912
Email: sec.exec@dot.wi.gov

January 29, 2024

The Honorable Pete Buttigieg
Office of the Secretary of Transportation
U.S. Department of Transportation (DOT)
1200 New Jersey Avenue, SE
Washington, DC 20590

RE: Letter of Support for City of Madison's FY 2023-2024 ATTIMD/ATTAIN Grant Application – *Advancing Safety and Emergency Operations through a Regional Connected Vehicle Corridor*

Dear Secretary Buttigieg:

I am pleased to support the City of Madison's application in partnership with the Wisconsin Department of Transportation (WisDOT) and University of Wisconsin-Madison, for funding through the United States Department of Transportation's FY 2023-2024 Advanced Transportation Technologies and Innovative Mobility Deployment (ATTIMD) Program, also known as the ATTAIN Program. The ATTAIN funding will be used to deploy advanced transportation technologies in the creation of a regional connected vehicle corridor that will improve safety, mobility, equity, efficiency, system performance, and infrastructure return on investment. The project highlights red-light running collision warning systems, next generation emergency vehicle traffic signal preemption, and tests snowplow traffic signal priority* to show how improved snow plowing operations can reduce weather related crashes. *Note: Current state law reserves signal "preemption" for emergency vehicles. Bills AB869/SB840 are currently being circulated to allow snowplows to use signal priority. The on-road portion of this project will be held over until such time as the law is revised.

The City's project deploys Connected Vehicle (CV) technology that creates vehicle-to-infrastructure and infrastructure-to-vehicle (V2I/I2V) connected signalized intersections in Madison along US 151, a critical roadway in the region serving and connecting many communities. It also leverages the existing Smart City investments made along the Smart Park Street Corridor by the City and its partners since 2016. An important objective of the collaboration is to connect this City's CV corridor to the state managed interstates at the south and the northeast edges of the city. The City and WisDOT will work together to integrate data sharing between the two jurisdictions that handle significant freight and economic importance for the region.

Funding

The Wisconsin Department of Transportation is committing $900,000 in support of this project toward the cost share requirement of the ATTAIN grant program. The source of funds is the state funded *ITS and Traffic Control Signals Program,* which is intended to fund upgrades to traffic signals and apply intelligent transportation systems technology. A portion of the $900,000 of financial support for this project will be in the form of the following in-kind engineering services: planning and policy development, design/construction, and

construction/integration/testing. Total in-kind engineering services are estimated at 1,650 hours, an estimated value of $117,150.

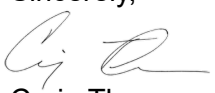
This project and collaborative approach align with U.S. DOT's strategic goals as well as ATTAIN Grant Program priorities. The pilot project proposes solutions that fit the context, population density, and demographics of the US 151 corridor in Madison and aligns with the transportation needs of the community.

The deployment of advanced transportation technologies along the project corridor strengthens the system of transport, contributes to growth in this region, reduces vulnerable roadway user injuries and saves lives and most importantly, provides a model of city-state collaboration for cities in Wisconsin and across the United States.

The team assembled for this project, the Wisconsin Department of Transportation, the City of Madison, and the University of Wisconsin Traffic and Operations Safety Laboratory, have proven their capability to deliver based on their previous collaboration on the City of Madison's *Park Street Connected Vehicle Corridor*, which is the predecessor to this ATTAIN grant proposal project.

I strongly support the City of Madison's application and look forward to the infrastructure investment in our region through the Bipartisan Infrastructure Law. Please give this 2023-2024 ATTAIN Discretionary Grant proposal your full consideration.

Sincerely,



Craig Thompson
Secretary

College of Engineering
UNIVERSITY OF WISCONSIN–MADISON

2610 Engineering Hall
1415 Engineering Drive
Madison, WI 53706-1691
Phone: 608/262-3482 Fax: 608/262-6400
http://www.engr.wisc.edu/

January 30, 2024

U.S. Department of Transportation
Federal Highway Administration
Office of Acquisition and Grants Management
1200 New Jersey Avenue, SE
Washington, DC 20590

RE: Professor David Noyce Letter of Cost Share Commitment for Funding Opportunity 693JJ324NF00005
Project title: "Advancing Safety and Emergency Operations through a Regional Connected Vehicle Corridor." (UW Proposal – FP00003724)

Dear Program Manager:

The University of Wisconsin-Madison is pleased to extend its support of the proposal from The City of Madison, Wisconsin entitled, "Advancing Safety and Emergency Operations through a Regional Connected Vehicle Corridor." on behalf of Professor David Noyce in the Department of Civil and Environmental Engineering. The total federal budget requested for the UW portion of the project is $1,600,382.

To meet the agency's cost-share requirement, the University of Wisconsin-Madison agrees to provide $400,348 ($269,210 direct costs; $131,138 unrecovered indirect costs) as non-federal match for this project through a combination of non-federal direct funding for project personnel salary, fringe, tuition remission and unrecovered F&A in accordance with the UW Madison federally negotiated rate agreement. The total non-federal cost share offered with this proposal is comprised of the UW Madison, College of Engineering cost share and UW Madison Office of the Vice Chancellor for Research (OVCR).

The attached subaward application has been administratively approved on behalf of the Board of Regents of the University of Wisconsin System and is submitted for your consideration.

During the evaluation process we ask that you use the University's above-referenced proposal number in any future correspondence. For questions regarding administrative or contractual matters please contact Research and Sponsored Programs, 21 N. Park Street, Suite 6301, Madison, WI 53715-1218, Phone: (608)262-3822, Email: preaward@rsp.wisc.edu. The University of Wisconsin reserves the right to negotiate terms of this proposal prior to final award notice.

For questions regarding the technical nature of this application please contact: Dr. David Noyce, UW-Madison, 2630b Engineering Hall, 1415 Engineering Dr, Madison, WI 53706-1603, Phone: (608)265-1882, (Email: danoyce@wisc.edu).

Sincerely,

Michelle Sass

(for) Ian M. Robertson, Dean
College of Engineering

Brenda Egan

Brenda A. Egan, Managing Officer
Research and Sponsored Programs

Office of the Vice Chancellor
for Research and Graduate Education
UNIVERSITY OF WISCONSIN-MADISON

January 17, 2024

U.S. Department of Transportation
Federal Highway Administration
Office of Acquisition and Grants Management
1200 New Jersey Avenue, SE
Washington, DC 20590

To Whom It May Concern:

The Office of the Vice Chancellor for Research (OVCR) at the University of Wisconsin-Madison is pleased to extend its support of a proposal entitled “Advancing Safety and Emergency Operations through a Regional Connected Vehicle Corridor.” The proposal, submitted to the U.S. Department of Transportation for the “Advanced Transportation Technology and Innovation (ATTAIN) Program” (NOFO 693JJ324NF00005), is led by the City of Madison in collaboration with the University of Wisconsin-Madison.

The OVCR commits to a cost share contribution of $128,751, based on a four year effort, with a project total of $2,000,730, for the University of Wisconsin-Madison portion of the proposed project, to be led by Prof. David Noyce. The OVCR cost share contribution will supplement the federal grant by providing stipend support for a graduate research assistant during each year of project. The graduate student will work closely with the UW PIs to enhance the research effort and build internal research capacity within the field of connected vehicles.

Thank you for your consideration of this proposal. If you have any questions, please let me know.

Sincerely,

Amy Wendt
Associate Vice Chancellor for Research - Physical Sciences
Professor, Electrical and Computer Engineering