

Activity #2 Funding and State Requirements Master Table

CATEGORIES/GOALS	CRITERIA	FDOT	VDOT	PennDOT	MnDOT	CDOT	WSDOT SUGGESTED	SCORE
Accelerate the CAV Program	Does this project accelerate the deployment and implementation of CAV technologies?	x						
Safety	Does this project directly reduce or have the potential to reduce fatal, serious injury and/or secondary crashes? Will this project help the Department meet its goals in reducing the frequency and severity of crashes, injuries, and fatalities on roadways within the Commonwealth? Does the project meet one of the primary goals of the CAV Program to use technologies to achieve safety improvements throughout the Commonwealth?	x	x	x		x		
Mobility	From a mobility perspective, does this project directly benefit all modes including pedestrians, bicyclists, disabled, economically disadvantaged, and aging road users? Is the transportation system performance improved through adjusting traffic signals, enhancing transit operations, or dispatching maintenance crews and emergency services? How does MnDOT engage cyclists, pedestrians, transit, rail and other modal partners to prepare for CAV? Does the project include exploration of methods and management strategies that increases system efficiency and improve individual mobility?	x	x	x	x	x		
Efficiency and Reliability	Does this project directly benefit (or have potential to impact) efficiency and/or reliability for all travelers, freight, transit riders, aging road users, pedestrians, and bicyclists?	x						
Feasibility	Is this project implementable (technology-ready), scalable, and portable for statewide deployment? Do proposed technologies comply with or have the potential to comply with relevant state and federal safety law? Is the proposed project interoperable and/or does it have the potential to become interoperable with the existing or programmed CAV Projects?	x						
Funds	Does this project leverage federal, local, and/or private funds? Are there any private organization and/or local agency partners? If yes, what are their match types and roles? Is there an agreement or Memorandum or Understanding (MOU) in place?	x						
Benefit/Cost	Does this project offer benefits with a high B/C and a good return on investment? Does the project have an outreach and educational campaign that could provide a necessary push to provide additional investment in CAV technologies by both the public and private sectors?	x		x				
Data and Security	Does this project collect, disseminate, and use real-time traffic, transit, parking and other transportation information to improve safety and mobility, and reduce congestion? Explain how the project will safeguard data privacy and deploy a cybersecurity platform.	x						
Operations and Maintenance	Does this project address staffing, funding, and procedures for operations, maintenance, and replacement of CAV infrastructure, technologies, and applications? How does CAV impact operations and how do we plan for these changes?	x			x			
Project Evaluation	Does this project have pre-defined performance measures? What and how are these outcomes measured? Will there be a before and after analysis performed, and lessons learned documented? If yes, how will this be documented and shared? Is there a systems validation and verification process in place? Explain how this will be performed.	x						
Reduced Infrastructure Investments	Will the connected vehicle environments reduce the need for new infrastructure investments over time?		x					
Enhanced Traveler Information	Will the provided real-time information about traffic congestion and other travel conditions help users make more informed decisions?		x					
Capital Investments	What projects and capital investments should MnDOT be making or stop investing in?				x			
Research and Development	What should MnDOT research and develop to address Minnesota challenges and help advance CAV statewide and nationally?				x			
Partnerships	How can MnDOT partner with public and private entities to develop a statewide vision for CAV? Does the CAV project strategically leverage current partnerships and actively work on establishing new ones to create an extended national and international network that furthers the advancement of CAV by testing and developing new ideas?			x	x			
Regulation and Policy	What law and policy changes are needed to safely test CAV in Minnesota?				x			

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Strategic Staffing & Prepared Workforce	How does MnDOT's workforce need to change to support CAV technological advancements? Does this project enhance the workforce to facilitate awareness, understanding, acceptance, adoption, and deployment of CAV technologies across all stakeholder groups.			x	x			
Communications	How do we engage the public, legislators, employees, and state and local agencies about CAV?				x			
Long Range Planning	How should MnDOT's long range plans address CAV?				x			
Economic Competitiveness	Does this project position the state of Pennsylvania to continue to market itself nationally and internationally as the place for CAV testing, research and development, business growth, network connections, and relatively low cost of-living?			x		x		
Emissions						x		