

2023-2026 FHWA Carbon Reduction Program Project Application

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If you need assistance, please contact Brandon Kovnat, SWMPC Associate Planner.

Email kovnatb@swmpc.org or call (269) 925-1137 x 1524

Section 1. Applicant Information

Applicant Name	Berrien County Road Department		
Contact Name	Kevin Stack	Title	Engineering Supervisor
Phone Number	269-925-1196	Email	kstack@bcroad.org
Sponsor (If applicable)			
Engineer/Consultant (If applicable)	Wightman Associates		
Phone Number		Email	

Section 2. Project Information & Costs

Project Name: Countywide Signal Upgrade			
City/Village/ Township: Countywide		County: Berrien	
Project Location <i>(short description of where the project is located)</i>	Project will be located at the 12 traffic signals throughout Berrien County		
Which Emissions form is being used? (list the form name not the MDOT form number)			
Work Description (Short description of work being performed. Please provide enough information for eligibility to be determined)	Traffic signal controls and computers will be replaced and upgraded to allow BCRD to access traffic signals remotely to control and monitor to improve traffic flow operations.		
Describe how the project will reduce congestion and/or emissions	When a signal goes down due to power or malfunction we will be notified immediately and can get traffic back to normal operations sooner. This will also allow corridors to be sync with timing to move traffic more effectively.		
Project Cost <i>Only include CRP eligible expenses</i>	\$ \$990,000	Proposed Year of Funding	2024
Minimum Local Match – 20% of eligible costs	\$200,000		
Can you supply additional match beyond the minimum required 20% If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$500,000		

CO ₂ Emissions Benefit (from Emissions form)	
Section 3. Performance measures	
<p>Besides emissions reductions what other performance measures will the project contribute to? <i>(select all that apply)</i></p> <p><input checked="" type="checkbox"/> Safety</p> <p><input type="checkbox"/> Pavement Condition</p> <p><input checked="" type="checkbox"/> System Reliability</p> <p><input type="checkbox"/> Pedestrian/Bicycle Connectivity</p> <p><input type="checkbox"/> Transit State of Good Repair</p>	<p>If you checked any of the Performance Measures please indicate how the project will improve them:</p> <p>Safety will allow proper timing and sequencing of signal operation</p> <p>System will be more reliable and less down time.</p>

Section 4. Additional Questions		
Question	Y/N	If Yes, Provide Brief Explanation of How the project will meet these Criteria
Will the project be ready for obligation by July 1 of the year in which it's programmed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Project is in GI review
Will this project use multiple funding sources/be combined with another Non-CRP project?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CMAQ
Is the project being carried out by a sponsored agency, or is a private entity providing funding, materials, or services in support of this project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Does the project require Right of Way (ROW) acquisition or an easement?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, attach a signed letter from that agency granting permission to implement all or part of this project in their right-of-way.
Does the this project require crossing a railroad?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Section 5. Estimated Project Schedule (Please be as accurate as possible)	
Activity	Estimated Date
Resolution of Support for Local Match Submitted to SWMPC	12/01/23
Project Application Submitted to MOT	Done
Grade Inspection Package Submitted to MDOT	Done
Grade Inspection Meeting Scheduled	Done
Final Plan and Estimate to MDOT	1/30/2024
Right of Way (ROW) certified	Done
Rail Road Permits	NA
Environmental Mitigation	NA
Project Obligated	1/2024
Project Letting	3/2024

Construction Start	5/2024
Project Completion	9/2024

Enter NA for any activity that doesn't apply to the project.

Project Emissions Forms

The CRP program will utilize the emission forms from the CRP form.

FHWA forms can be found at https://www.fhwa.dot.gov/environment/air_quality/cmag/toolkit/

MDOT forms can be found at: <https://mdotjboss.state.mi.us/webforms/WebFormsHome.htm>

Project Category	Emissions Form	Additional Required Information (Attach to Application)
Dedicated turn lanes	FHWA Traffic Flow Improvement Tool	Indicate the length of the lanes Indicate traffic counts Include a diagram of the modification
Signal Interconnects	FHWA Traffic Flow Improvement Tool	Include all locations in the Location Description Indicate the number of signals in the Work Description
Signal Optimization or Actuation, not part of an interconnect project	FHWA Traffic Flow Improvement Tool	
Roundabouts	FHWA Traffic Flow Improvement Tool	
Non-motorized Pathway	FHWA Bicycle and Pedestrian Improvements Toolkit	Include maps detailing the location of the proposed path Detail the land uses that surround the path Explain how the path provides access to jobs, services, and centers of trade List all connections to other non-motorized paths, if applicable
Travel Demand Management Program	MDOT Form 2619	
Rideshare/Vanpooling:	FHWA Carpooling and Vanpooling Tool	
Operation of New Public Transit Services	MDOT form 2620 (for each route) MDOT form 2608 (For the sum of the entire project)	
Bus Purchase or Replacements	FHWA Transit Bus Retrofits and Replacement Tool	Vehicle lease/purchase How many will be leased or purchase Equipment: Type to be funded
Alternative Fuels and Vehicles	FHWA Alternative Fuels and Vehicles Tool	
Other Project (May need additional details)	MDOT form 2608	