

Rural Task Force Region Four 2024-2026 Road 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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	Red Arrow Highway		
Project Limits (e.g. Napier Ave. to Britain Ave.)	59.5 St to CR 681		
Project Length (nearest hundredth of a mile)	0.80	Proposed Year of Funding	2023
Primary Work Type	<input type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input checked="" type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Cold Milling 2 inches, HMA paving, and pavement markings.		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 1 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$202,500	
Federal STBG Requested	\$162,000	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$40,500	20%
Total	\$202,500	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 101,200	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$81,000	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 7,197 Year of count: 2019 Source: VBCRC
National Functional Classification (NFC) for this roadway	Minor Arterial
Is the project on an All Season Road	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	3
Current state of drainage	<input checked="" type="checkbox"/> Adequate <input type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	7-9 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input type="checkbox"/> Reconstruction (4R) <input checked="" type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	14	Pedestrian & Bicycle Crashes	1
Fatalities	1	Serious Injuries	2
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide		This project does not include any safety improvements.	

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrain or bicycle facilities exist.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	N/A
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	0
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 5	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 5
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description	N/A					
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?					

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input checked="" type="checkbox"/> Local Match Submitted to SWMPC	9/1/21
Project Application Submitted to MOT	January 2022
Grade Inspection Package Submitted to MDOT	March 2022
Grade Inspection Meeting Scheduled	May 2022
Final Plan and Estimate to MDOT	June 2022
Right of Way (ROW) certified*	N/A
Rail Road Permits*	N/A
Environmental Mitigation*	N/A
Project Obligated	July 2022
Project Letting	Nov 2022
Construction Start	May 2023
Project Completion	June 2023

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
	SEGMENT CRASH REDUCTION FACTORS		
	Geometric Safety Enhancements		
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
	General Segment Enhancements		
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

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

Section 1. Applicant Information

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	Red Arrow Hwy		
Project Limits (e.g. Napier Ave. to Britain Ave.)	26 th St to CR 652s (24 th St)		
Project Length (nearest hundredth of a mile)	1.03	Proposed Year of Funding	2024
Primary Work Type	<input type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input checked="" type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Milling HMA surface, HMA paving, and pavement markings.		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 7 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$340,200	
Federal STBG Requested	\$272,160	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$68,040	20%
Total	\$340,200	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 170,100	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$136,080	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 9542 Year of count: 2018 Source: VBCRC
National Functional Classification (NFC) for this roadway	Minor Arterial
Is the project on an All Season Road	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	6
Current state of drainage	<input checked="" type="checkbox"/> Adequate <input type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	7-9 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input type="checkbox"/> Reconstruction (4R) <input checked="" type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	44	Pedestrian & Bicycle Crashes	0
Fatalities	1	Serious Injuries	1
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide		This project does not include safety improvements.	

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	Existing 5 foot paved shoulder.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	0
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 7	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 7
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input checked="" type="checkbox"/> Wide Shoulders <input type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input checked="" type="checkbox"/> Wide Shoulders <input type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description	N/A					
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?					

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	January 2023
Grade Inspection Package Submitted to MDOT	March 2023
Grade Inspection Meeting Scheduled	June 2023
Final Plan and Estimate to MDOT	July 2023
Right of Way (ROW) certified*	n/a
Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	October 2023
Project Letting	February 2024
Construction Start	May 2024
Project Completion	July 2024

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
	SEGMENT CRASH REDUCTION FACTORS		
	Geometric Safety Enhancements		
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
	General Segment Enhancements		
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road Project Application

Click “Enable Editing” to begin filling out this form. You may save this form at any time.

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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	CR 681		
Project Limits (e.g. Napier Ave. to Britain Ave.)	M-51 to CR 352		
Project Length (nearest hundredth of a mile)	2.16	Proposed Year of Funding	2024
Primary Work Type	<input checked="" type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Trench, widen, crush and shape, HMA paving, drainage improvements, curb and gutter and slope restoration.		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 3 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$1,080,000	
Federal STBG Requested	\$864,000	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$216,000	20%
Total	\$1,080,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 540,000	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$432,000	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 1,119 Year of count: 2021 Source: VBCRC
National Functional Classification (NFC) for this roadway	Major Collector
Is the project on an All Season Road	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	3
Current state of drainage	<input type="checkbox"/> Adequate <input checked="" type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	10-14 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input checked="" type="checkbox"/> Reconstruction (4R) <input type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	18	Pedestrian & Bicycle Crashes	0
Fatalities	0	Serious Injuries	1
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide		No other safety improvements are included in this project.	

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrian or bicycle facilities exist.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	N/A
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 4	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 6
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description			N/A			
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?			<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how?			

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	March 2023
Grade Inspection Package Submitted to MDOT	June 2023
Grade Inspection Meeting Scheduled	August 2023
Final Plan and Estimate to MDOT	September 2023
Right of Way (ROW) certified*	n/a
Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	November 2023
Project Letting	January 2024
Construction Start	April 2024
Project Completion	July 2024

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
	SEGMENT CRASH REDUCTION FACTORS		
	Geometric Safety Enhancements		
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
	General Segment Enhancements		
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road 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

Agency Name	Van Buern County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	CR 687		
Project Limits (e.g. Napier Ave. to Britain Ave.)	CR 372 to CR 376		
Project Length (nearest hundredth of a mile)	2.49	Proposed Year of Funding	2026
Primary Work Type	<input checked="" type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Trench, widen, HMA crush and shape, HMA paving, drainage improvements, pavement markings, slope restoration.		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 4 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$1,478,000	
Federal STBG Requested	\$1,182,400	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$295,600	20%
Total	\$1,478,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 739,000	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$591,200	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 1,202 Year of count: 2021 Source: VBCRC	
National Functional Classification (NFC) for this roadway	Major Collector	
Is the project on an All Season Road	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Proposed All Season	

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	2
Current state of drainage	<input type="checkbox"/> Adequate <input checked="" type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	10-14 yr Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input checked="" type="checkbox"/> Reconstruction (4R) <input type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	24	Pedestrian & Bicycle Crashes	2
Fatalities	0	Serious Injuries	1
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide	Widen shoulders		

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrian or bicycle facilities exist
Please explain any additional pedestrian and/or bicycle improvements included in the project.	Widen shoulders
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	0
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 2	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 6
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input checked="" type="checkbox"/> Wide Shoulders <input type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description	N/A					
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?					

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	August 2025
Grade Inspection Package Submitted to MDOT	September 2025
Grade Inspection Meeting Scheduled	November 2025
Final Plan and Estimate to MDOT	December 2025
Right of Way (ROW) certified*	N/A
Rail Road Permits*	N/A
Environmental Mitigation*	N/A
Project Obligated	March 2026
Project Letting	May 2026
Construction Start	July 2026
Project Completion	November 2026

*Enter NA if these items will not be required.

Proposed Improvement		% Reduction	Associated Crash Types
SEGMENT CRASH REDUCTION FACTORS			
Geometric Safety Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input checked="" type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
General Segment Enhancements			
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road Project Application

Click “Enable Editing” to begin filling out this form. You may save this form at any time.

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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	CR 352		
Project Limits (e.g. Napier Ave. to Britain Ave.)	CR 215s to CR 358		
Project Length (nearest hundredth of a mile)	2.00	Proposed Year of Funding	2024
Primary Work Type	<input checked="" type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Trench and widen, HMA crush and shape, HMA paving, drainage improvements, guardrail, curb and gutter, pavement markings and restortation.		
Was this project applied for during the 2020-2023 Call for Proejects but not selected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 5 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$1,464,000	
Federal STBG Requested	\$1,171,200	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$292,800	20%
Total	\$1,464,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 732,000	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$585,600	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 1,160 Year of count: 2021 Source: VBCRC
National Functional Classification (NFC) for this roadway	Major Collector
Is the project on an All Season Road	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	5
Current state of drainage	<input type="checkbox"/> Adequate <input checked="" type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	10-14 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input checked="" type="checkbox"/> Reconstruction (4R) <input type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	9	Pedestrian & Bicycle Crashes	0
Fatalities	0	Serious Injuries	1
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide	This project does not include safety improvements.		

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrian or bicycle facilities exist.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	N/A
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 2	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 6
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description	N/A					
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?					

Section 10. Estimated Project Schedule

Activity	Estimated Date
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Grade Inspection Package Submitted to MDOT	July 2023
Grade Inspection Meeting Scheduled	September 2023
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Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	January 2024
Project Letting	April 2024
Construction Start	July 2024
Project Completion	October 2024

*Enter NA if these items will not be required.

Proposed Improvement		% Reduction	Associated Crash Types
SEGMENT CRASH REDUCTION FACTORS			
Geometric Safety Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input checked="" type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
General Segment Enhancements			
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
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INTERSECTION CRASH REDUCTION FACTORS			
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<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
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		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
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<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road Project Application

Click "Enable Editing" to begin filling out this form. You may save this form at any time.

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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	CR 388		
Project Limits (e.g. Napier Ave. to Britain Ave.)	Bloomingdale Village limits (41 st St) to CR 380		
Project Length (nearest hundredth of a mile)	2.55	Proposed Year of Funding	2025
Primary Work Type	<input type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input checked="" type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Milling HMA surface, HMA paving, pavement markings		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 6 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$541,000	
Federal STBG Requested	\$432,800	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$108,200	20%
Total	\$541,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 270,500	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$216,400	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 1833 Year of count: 2019 Source: VBCRC
National Functional Classification (NFC) for this roadway	Major Collector
Is the project on an All Season Road	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	2
Current state of drainage	<input checked="" type="checkbox"/> Adequate <input type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	7-9 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input type="checkbox"/> Reconstruction (4R) <input checked="" type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	15	Pedestrian & Bicycle Crashes	0
Fatalities	1	Serious Injuries	3
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide		This project does not include safety improvements.	

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	Milling HMA surface, HMA paving, shoulders and pavement markings.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	N/A
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 4	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 4
	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description						
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?			

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	August 2024
Grade Inspection Package Submitted to MDOT	October 2024
Grade Inspection Meeting Scheduled	December 2024
Final Plan and Estimate to MDOT	January 2025
Right of Way (ROW) certified*	n/a
Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	April 2025
Project Letting	June 2025
Construction Start	Aug 2025
Project Completion	Oct 2025

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
SEGMENT CRASH REDUCTION FACTORS			
Geometric Safety Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
General Segment Enhancements			
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road 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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	Red Arrow Hwy		
Project Limits (e.g. Napier Ave. to Britain Ave.)	CR 681 to Lawrence Village limits		
Project Length (nearest hundredth of a mile)	2.19	Proposed Year of Funding	2026
Primary Work Type	<input type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Trench and widen, milling HMA surface, HMA paving, drainage improvements, shoulders, guardrail, pavement markings and slope restoration.		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 2 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$1,689,000	
Federal STBG Requested	\$1,351,200	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$337,800	20%
Total	\$1,689,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 844,500	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$675,600	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 3,642 Year of count: 2021 Source: VBCRC
National Functional Classification (NFC) for this roadway	Minor Arterial
Is the project on an All Season Road	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	2
Current state of drainage	<input type="checkbox"/> Adequate <input checked="" type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	10-14 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input type="checkbox"/> Reconstruction (4R) <input checked="" type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	38	Pedestrian & Bicycle Crashes	0
Fatalities	0	Serious Injuries	2
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide	Widening the paved shoulders.		

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrian or bicycle facilities exist.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	The shoulders will be widen for shared use purpose.
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 4	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 7
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input checked="" type="checkbox"/> Wide Shoulders <input type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description	N/A					
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?					

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	June 2026
Grade Inspection Package Submitted to MDOT	August 2025
Grade Inspection Meeting Scheduled	October 2025
Final Plan and Estimate to MDOT	November 2025
Right of Way (ROW) certified*	n/a
Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	February 2026
Project Letting	April 2026
Construction Start	July 2026
Project Completion	November 2026

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
	SEGMENT CRASH REDUCTION FACTORS		
	Geometric Safety Enhancements		
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input checked="" type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
	General Segment Enhancements		
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road Project Application

Click “Enable Editing” to begin filling out this form. You may save this form at any time.

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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	CR 652		
Project Limits (e.g. Napier Ave. to Britain Ave.)	72 nd Ave to Robinson Rd (60 th Ave)		
Project Length (nearest hundredth of a mile)	3.15	Proposed Year of Funding	2026
Primary Work Type	<input type="checkbox"/> Reconstruct <input type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input checked="" type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Milling 2 inches, HMA paving, shoulders, pavement markings		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 8 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$659,000	
Federal STBG Requested	\$527,200	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$131,800	20%
Total	\$659,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 329,500	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$263,600	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: KATS Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 1,782 Year of count: 2019 Source: VBCRC
National Functional Classification (NFC) for this roadway	Major Collector
Is the project on an All Season Road	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	8
Current state of drainage	<input checked="" type="checkbox"/> Adequate <input type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	7-9 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input type="checkbox"/> Reconstruction (4R) <input checked="" type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	20	Pedestrian & Bicycle Crashes	1
Fatalities	0	Serious Injuries	2
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide	This project does not include any safety improvements.		

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrian or bicycle facilities exist.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	N/A
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	0
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 6	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 6
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description						
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?			

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	June 2025
Grade Inspection Package Submitted to MDOT	August 2025
Grade Inspection Meeting Scheduled	October 2025
Final Plan and Estimate to MDOT	November 2025
Right of Way (ROW) certified*	n/a
Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	April 2026
Project Letting	June 2026
Construction Start	August 2026
Project Completion	October 2026

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
	SEGMENT CRASH REDUCTION FACTORS		
	Geometric Safety Enhancements		
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
	General Segment Enhancements		
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes

Rural Task Force Region Four 2024-2026 Road 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

Agency Name	Van Buren County Road Commission		
Contact Name	Barry Anttila	Title	Highway Engineer
Phone Number	269-674-8011	Email	barryanttila@vbcrc.org
Engineer/Consultant (If applicable)			
Phone Number		Email	

Section 2. Project Information

Project Name/Road Name	CR 652		
Project Limits (e.g. Napier Ave. to Britain Ave.)	CR 354 to 72 nd Ave		
Project Length (nearest hundredth of a mile)	1.04	Proposed Year of Funding	2026
Primary Work Type	<input type="checkbox"/> Reconstruct <input checked="" type="checkbox"/> Restore & Rehabilitate <input type="checkbox"/> Roadside Facility <input type="checkbox"/> Resurface <input type="checkbox"/> Traffic Operations/Safety <input type="checkbox"/> Transit <input type="checkbox"/> Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Trench and widen, milling HMA surface, HMA paving, shoulders, curb and gutter, pavement markings and slope restoration.		
Was this project applied for during the 2020-2023 Call for Projects but not selected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please explain:		
If you are submitting multiple applications, please rank your applications by priority.	Project Rank: 9 of 9		

Section 3. Project Funding

Estimated Participating Cost of the Project	\$460,000	
Federal STBG Requested	\$368,000	80%
State D Requested	\$	%
CTF (Transit Only)	\$	%
Local Funds	\$92,000	20%
Total	\$460,000	100%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Maximum Dollar Amount you can AC? \$ 230,000	
Can your agency supply additional match beyond the minimum required 18.15%. If so how much?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Amount \$184,000	
Are there elements of the project that could be eligible for other federal fund sources such as CMAQ, TAP, Bridge etc.	Source: Amount: \$ Explanation:	
Will the project have nonparticipating work, such as water, or sewer work?	Amount: \$ Explain:	

Section 4. Regional Connectivity

What is the most current daily traffic count for the limits of this project?	AADT: 366 Year of count: 2021 Source: VBCRC
National Functional Classification (NFC) for this roadway	Major Collector
Is the project on an All Season Road	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Proposed All Season

Section 5. System Preservation

2021 PASER rating (Available 8-10-21)	8
Current state of drainage	<input checked="" type="checkbox"/> Adequate <input type="checkbox"/> Minor and tolerable drainage problems <input type="checkbox"/> Occasional drainage problems with some maintenance required <input type="checkbox"/> Inadequate, frequent flooding, excessive maintenance required
Expected increase in Remaining Service life (RSL)	7-9 yrs Use MDOT's Guidelines for Geometrics on Local Projects
What MDOT guidelines does the project conform to?	<input type="checkbox"/> Reconstruction (4R) <input checked="" type="checkbox"/> Resurfacing, restoration, and Rehabilitation (3R) <input type="checkbox"/> Preventative Maintenance (PM)

Section 6. Safety

Please list the number and severity of crashes within the proposed project limits over the last 5 yrs. (2016-2020) (see [Michigan Crash Facts](#) for crash data)

Total Crashes	1	Pedestrian & Bicycle Crashes	0
Fatalities	0	Serious Injuries	0
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project			
Describe any other safety improvements this project will provide	Project includes widen shoulders.		

Section 7. Pedestrian and Bicycle Improvements

Please explain what pedestrian and/or bicycle facilities if any currently exist	No pedestrian or bicycle facilities exist.
Please explain any additional pedestrian and/or bicycle improvements included in the project.	A five foot paved shoulder for shared use purposes.
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please provide a map of the connecting facilities

Section 8. Strategic Planning & Investment

Is the project identified in an approved Asset Management Plan, or Capital Improvement Plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan.
Is the project identified in another approved planning document such as a master plan or parks and recreation plan	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please cite the plan and page number:
Is there an approved asset management plan covering the utilities along the project's limits	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please indicate the project type and construction year:
How many water main breaks have you had at this location in the past five years?	
Is there a completed utilities assessment that includes televising the sewers in the project area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has staff received Asset Management training through the Michigan Transportation Asset Management Council? https://www.michigan.gov/tamc/0,7308,7-356-82158---,00.html	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency completed the Asset Management Readiness Scale from the Michigan Infrastructure Council (MIC)? https://fcm.ca/en/resources/mamp/tool-asset-management-readiness-scale	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Does the project cross jurisdictional boundaries?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, will it be bid as a single project?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Sure If yes, which items are required:
If any of the above items are required please explain how they will be addressed	
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment that currently has a PASER of 7 or higher	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design

	Existing			Proposed		
Include the number of vehicle lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2	0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Shoulder Surface	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 6	<input checked="" type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved		Width (ft.) 7
Sidewalk/ path information	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)	Placement <input type="checkbox"/> One Side <input type="checkbox"/> Both Sides <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> None		Width (ft.)
On road bicycle facilities	<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input type="checkbox"/> Wide Shoulders <input checked="" type="checkbox"/> None			<input type="checkbox"/> Bike Lane <input type="checkbox"/> Other (specify) _____ <input type="checkbox"/> Sharrows <input checked="" type="checkbox"/> Wide Shoulders <input type="checkbox"/> None		
Utilities, Sewer and Water	<input type="checkbox"/> Utilities Upgrades Needed <input type="checkbox"/> Sewer and water work needed			<input type="checkbox"/> Replace Utilities <input type="checkbox"/> Relocate Utilities <input type="checkbox"/> Sewer and Water Line Work		
Please describe any improvements being made as part of this project to crosswalks, signage or signals, or streetscape elements not discussed in project description			The existing shoulder is made up of 2 ft of pavement and 4 ft of gravel. The proposed shoulder will be 5 ft pavement and 2 ft gravel.			
Does this project enhance connectivity of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, how?			

Section 10. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for <input type="checkbox"/> Local Match Submitted to SWMPC	9/1/2021
Project Application Submitted to MOT	March 2025
Grade Inspection Package Submitted to MDOT	June 2025
Grade Inspection Meeting Scheduled	August 2025
Final Plan and Estimate to MDOT	September 2025
Right of Way (ROW) certified*	n/a
Rail Road Permits*	n/a
Environmental Mitigation*	n/a
Project Obligated	November 2025
Project Letting	February 2026
Construction Start	June 2026
Project Completion	October 2026

*Enter NA if these items will not be required.

	Proposed Improvement	% Reduction	Associated Crash Types
	SEGMENT CRASH REDUCTION FACTORS		
	Geometric Safety Enhancements		
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Sideswipe*
		15%	Non Left-Turn Rear-End, Other*
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		30%	Angle
		15%	Rear-End
		10%	Other*
<input type="checkbox"/>	Horizontal Curve Flattening	30%	Lane Departure***
<input checked="" type="checkbox"/>	Shoulders - Widen to Standard Width (add 1' each side)	5%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 2' each side)	10%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 3' each side)	15%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 4' each side)	20%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 5' each side)	25%	Lane Departure***
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 6' each side)	30%	Lane Departure***
<input type="checkbox"/>			
<input type="checkbox"/>	Shoulders - Widen to Standard Width (add 7' each side)	35%	Lane Departure***
<input type="checkbox"/>	Vertical Curve Modification	20%	All Applicable Crash Types +++
	General Segment Enhancements		
<input type="checkbox"/>	Access Management - Improve	15%	Drive-way Related Applicable Crashes
<input type="checkbox"/>	Centerline Rumble Strips - Install	44%	K and A injury Applicable Crashes
		46%	Single Vehicle Run off Road Left Crashes
		43%	Sideswipe Same Crashes
		55%	Sideswipe Opposite Crashes
<input type="checkbox"/>	High Friction Surface Treatment - Install	35%	Wet Crashes
		20%	All Other Applicable Crashes
<input type="checkbox"/>	Recessed Durable Pavement Markings	5%	All Applicable Crashes
<input type="checkbox"/>	Pedestrian Refuge - Install	50%	Pedestrian Crashes (Review NCHRP Report 841)
<input type="checkbox"/>	Road Diet (4-3 Lane Conversion) - Install	50%	Suburban - All Applicable Crashes
<input type="checkbox"/>	Shoulder Rumble Strips	20%	Run-Off the Road Right Crashes
<input type="checkbox"/>	Signing/Delineation on Horizontal Curves (Including Recessed Durable Pavement Markings) - Install	20%	Lane Departure***
<input type="checkbox"/>	Safety Edge Improvement	13%	All non-intersection crashes (CMF Clearing House ID 8658)

Roadside Enhancements			
<input type="checkbox"/>	Bicycle Lanes - Install per standards	50%	Bicycle Crashes
<input type="checkbox"/>	Shared Use Path - <i>Install</i>	33%	Bicycle and Pedestrian Related Crashes
<input type="checkbox"/>	Fixed Objects From Clearzone (Trees, Culverts, Etc.) - <i>Removal</i>	75%	Fixed-Object Applicable Crashes
<input type="checkbox"/>	Guardrail - <i>Install</i>	55%	Lane Departure ***Fatalities and "A" Injury Applicable Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Slope Flattening	15%	Fixed-Object, Overturn Applicable Crashes
<input type="checkbox"/>	Living Snow Fence	20%	Crashes due to wintry surface conditions
<input type="checkbox"/>	Lighting - <i>install on segment</i>	20%	Dark Unlighted Crashes
INTERSECTION CRASH REDUCTION FACTORS			
Pedestrian / Bicycle Enhancements			
<input type="checkbox"/>	Bump Out / Curb Extension - <i>Remove Parking / Install</i>	30%	All Crashes
<input type="checkbox"/>	Bicycle Lanes - Install per standards	25%	Bicycle Crashes
<input type="checkbox"/>	Sidewalk for Pedestrians - <i>Construct</i>	85%	Pedestrian Crashes
<input type="checkbox"/>	Intersection Lighting - <i>install</i>	75%	Pedestrian Fatal - Dark Unlighted Crashes
		40%	Pedestrian A-Injury - Dark Unlighted Crashes
		30%	All Applicable Dark Unlighted Crashes
<input type="checkbox"/>	Rectangular Rapid Flashing Beacons	47%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Install new Pedestrian signal</i>	30%	Pedestrian Crashes
<input type="checkbox"/>	Ped. Countdown Signals - <i>Upgrade from existing Pedestrian signal</i>	25%	Pedestrian Crashes
Signal Timing / Hardware Enhancements			
<input type="checkbox"/>	Multiple Low-Cost Improvements	3%	Rear-End
		12%	Right-Angle
		3%	Nighttime
<input type="checkbox"/>	Install Reflectorized Backplates	15%	All Applicable Crashes
<input type="checkbox"/>	Add All-Red Clearance Interval - <i>Add per ITE</i>	20%	Head-On Left-Turn, Angle
<input type="checkbox"/>	Yellow-Change Interval - <i>Increase</i>	10%	All Crash Types
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Stop Control</i>	65%	Angle
		-25%	Rear-End (Increases Crashes)
		20%	All Other Non Rear-End Crashes
<input type="checkbox"/>	Box Span Signal - <i>Upgrade from Diagonal Span</i>	10%	All Applicable Crashes+
<input type="checkbox"/>	Protected Left-Turn Signal Phase - <i>Add</i>	30%	Left-Turn
<input type="checkbox"/>	Signal Head Size - <i>Increase to 12 "</i>	10%	All Applicable Crashes +
<input type="checkbox"/>	Signal Optimization & Timing Updates	10%	All Applicable Crashes +
<input type="checkbox"/>	Removing Night Flash from Signal Timing	50%	Nighttime Flash mode Related Crashes

Intersection Geometric Enhancements			
<input type="checkbox"/>	Center Left-Turn Lane - Construct	80%	Rear-End Left-Turn
		50%	Head-On Left-Turn
		20%	Head-On, Angle, Other
		15%	Non Left-Turn Rear-End
<input type="checkbox"/>	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	30%	Angle
		15%	Rear-End
		10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related
<input type="checkbox"/>	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn
		20%	Rear-End Left-Turn
<input type="checkbox"/>	Offset Right-Turn Lane - Construct	65%	Angle-Turn
		50%	Other Applicable Crashes
		20%	Rear-End Right Turn
<input type="checkbox"/>	Right-Turn Lane - Construct	65%	Rear-End Right-Turn
		20%	Applicable Rear-End Crashes, Sideswipe Same Direction
<input type="checkbox"/>	Roundabout	78%	Fatal and A-Injury Reduction
		57%	Minor Crash Reduction
<input type="checkbox"/>	Lighting	-	See MDOT Interchange Warranted Lighting Guidance and overall MDOT Lighting Guidance
General Intersection Enhancements (Non-Signalized Intersections)			
<input type="checkbox"/>	All-Way Stop Control - New Installation	60%	All Applicable Crashes
<input type="checkbox"/>	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach
<input type="checkbox"/>	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach
<input type="checkbox"/>	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes
<input type="checkbox"/>	Reflective Sheeting on Sign Posts (lollipops)	15%	All Applicable Crashes