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.

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-8611		Email	nmannon@casscoroad.com		

Section 2. Project Information						
Project Name/Road Name	Pine Lake Street					
Project Limits (e.g. Napier Ave. to Britain Ave.)	Hess Road to M62					
Project Length (nearest hundredth of a mile)	1.39	Proposed Year of Funding	2024			
Primary Work Type	☐ Reconstruct ☒ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other					
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Crush and Shape HMA Surface and add 4" HMA,36A, Shoulder Class II and Pavement Marking					
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No					
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:					
If you are submitting multiple app rank your applications by priority.	• •	Project Rank: 1 of 11				

Section 3. Project Funding					
Estimated Participating Cost of the P	roject	\$532940.61			
Federal STBG Requested		\$	%		
State D Requested		\$53924.06	10%		
CTF (Transit Only)		\$	%		
Local Funds		\$106588.12	20%		
Total		\$159882.18	30%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how	=	☐ Yes ⊠ No Amount \$			
Are there elements of the project the for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:			
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:			
Section 4. Regional Connectivity	/				
What is the most current daily traffic of this project?	count for the limits	AADT: 957 Year of count: 2020	O Source: CCRC		
National Functional Classification (NI	C) for this roadway	Major Collector			
Is the project on an All Season Road		Yes No Pro	oposed All Season		
		'			
Section 5. System Preservation					
2021 PASER rating (Available 8-10-21)	2				
Current state of drainage	Occasional draina	• .	s ne maintenance required ve maintenance required		
Expected increase in Remaining Service life (RSL)	17 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>				
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☑ Resurfacing, resto ☐ Preventative Main	oration, and Rehabilita	tion (3R)		

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	5		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 provide	will	1' on each side					

Section 7. Pedestrian and Bicycle Improvements					
Please explain what pedestrian and/or bicycle facilities if any currently exist	None				
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None				
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ⊠ No
	Yes 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	⊠Yes □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	☐Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ☐ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No Not Sure If yes, which items are required: Railroad
If any of the above items are required please explain how they will be addressed	Through MDOT Rail department forms
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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
Shoulder	Paved		Wi	dth (ft.)	Naved Paved		Width (ft.)
Surface			3		Unpaved		1
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
	None				None		
On road bicycle	Bike Lane		Othe	r (specify)	Bike Lane	∐ Othe	er (specify)
facilities	Sharrows	—	_		Sharrows	— —	
	Wide Shou		<u>√</u> No		Wide Shou		one
Utilities, Sewer	Utilities Up	_			Replace Utilities		
and Water	Sewer and	water wo	ork n	eeded	Relocate Utilities Sewer and Water Line Work		
Dlagga dagariba ar	l improvemen	ts boing			Sewer and	i water Line v	VOIK
Please describe ar made as part of the	•	rs peilig					
crosswalks, signag	• •						
streetscape eleme		ed in					
project descriptio		cu III					
Does this project		rtivity		Yes No			
of pedestrian or b		-		es, how?			
or Dial-A-Ride trai	-	route	'' '	C3, 110 W .			
or plant made transit;							
Section 10. Esti	mated Projec	t Sched	ule				
Activity	•				Es	stimated Date	2
Resolution of Sup	port for Local	Match S	ubm	itted to SWMPC	Se	eptember 202	23
Project Applicatio	n Submitted to	MOT			Se	eptember 202	23
Grade Inspection	Grade Inspection Package Submitted to MDOT October 2023						
Grade Inspection Meeting Scheduled November 2023					3		
Final Plan and Estimate to MDOT December 2023					3		
Right of Way (ROW) certified* NA							
Rail Road Permits* October 2023							
Environmental Mi	Environmental Mitigation* NA						
Project Obligated	Project Obligated January 2024						
Project Letting					IV	larch 2024	
Construction Start	Construction Start May 2024						

^{*}Enter NA if these items will not be required.

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

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

Intersection Geometric Enhancements						
		Rear-End Left-Turn				
Contact of Town Long Construct	50%	Head-On Left-Turn				
Center Left-Turn Lane - Construct	20%	Head-On, Angle, Other				
	15%	Non Left-Turn Rear-End				
	30%	Angle				
Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	15%	Rear-End				
radii iliprovements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related				
Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn				
Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn				
	65%	Angle-Turn				
Offset Right-Turn Lane - Construct	50%	Other Applicable Crashes				
	20%	Rear-End Right Turn				
Bi-la Toma Long Constant	65%	Rear-End Right-Turn				
Right-Turn Lane - Construct		Applicable Rear-End Crashes, Sideswipe Same Direction				
Davindahasit	78%	Fatal and A-Injury Reduction				
Roundabout	57%	Minor Crash Reduction				
Lighting	_	See MDOT Interchange Warranted Lighting Guidance and overall				
		MDOT Lighting Guidance				
General Intersection Enhan	•	-				
All-Way Stop Control - New Installation	60%	All Applicable Crashes				
Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach				
Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach				
Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes				
Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes				
Reflective Sheeting on Sign Posts (Iollipops)	15%	All Applicable Crashes				

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

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-8611		Email	nmannon@casscoroad.com		

Section 2. Project Information						
Project Name/Road Name	Pine Lake Street					
Project Limits (e.g. Napier Ave. to Britain Ave.)	Dailey Road to Hess	s Road				
Project Length (nearest hundredth of a mile)	1	Proposed Year of Funding	2025			
Primary Work Type		Restore & Rehabilitate 🗌 Roadsi affic Operations/Safety 🗀 Transi	•			
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Mill and Fill 2" HMA,36A, Shoulder Class II and Pavement Marking					
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No					
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	Yes No If yes, please explain:					
If you are submitting multiple app rank your applications by priority.	· •	Project Rank: 2 of 11				

Section 3. Project Funding					
Estimated Participating Cost of the P	roject	\$209257.61			
Federal STBG Requested		\$	%		
State D Requested		\$20925.76	10%		
CTF (Transit Only)		\$	%		
Local Funds		\$41851.52	20%		
Total		\$62777.28	30%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how	-	☐ Yes ⊠ No Amount \$			
Are there elements of the project that for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:			
Will the project have nonparticipatin	g work, such as	Amount: \$			
water, or sewer work?		Explain:			
Section 4. Regional Connectivity	/				
What is the most current daily traffic of this project?	count for the limits	AADT: 1005 Year of count: 2017	7 Source: CCRC		
National Functional Classification (NI	C) for this roadway	Major Collector			
Is the project on an All Season Road		Yes No Pro	oposed All Season		
Section 5. System Preservation					
2021 PASER rating (Available 8-10-21)	3,4				
Current state of drainage	=	s ne maintenance required ve maintenance required			
Expected increase in Remaining Service life (RSL)	7 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>				
What MDOT guidelines does the project conform to?	☐ Reconstruction (4R) ☐ Resurfacing, restoration, and Rehabilitation (3R) ☐ 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	21		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 provide	will					

Section 7. Pedestrian and Bicycle Improvements				
Please explain what pedestrian and/or bicycle facilities if any currently exist	None			
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None			
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ⊠ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ☐ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	☐ Yes ☐ No ☐ 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through Center			On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
			1				
Shoulder	Paved		Wi	dth (ft.)	Paved		Width (ft.)
Surface	Unpaved		3		Unpaved		2
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
On road higyele	None Bike Lane)+ha	r (specify)	None Bike Lane	Otho	l er (specify)
On road bicycle facilities	Sharrows		Jule	r (specify)	Sharrows		ir (specify)
lacilities	Wide Shou	ılders D		one	Wide Shou	ılders 🔀 N	one
Utilities, Sewer					Replace U		5116
and Water	Utilities Upgrades Needed Sewer and water work needed			Relocate Utilities			
	Sewer and Water Work needed Sewer and Water Line Work					Vork	
Please describe ar	ny improvement	ts being			, 		
made as part of th	nis project to						
crosswalks, signag	ge or signals, or						
streetscape elements not discussed in							
project descriptio	n						
Does this project				Yes 🔀 No			
of pedestrian or b		l route	lf y	es, how?			
or Dial-A-Ride trai	nsit?						
Saction 10 Esti	mated Projec	t Schod	ulo				
Section 10. Esti	mateu Projec	t Scried	uie		E	stimated Date	
Resolution of Sup		Match S	uhm	itted to SWMPC		eptember 202	
Project Applicatio	•		артт	itted to SWIVII C		eptember 202	
Grade Inspection Package Submitted to MDOT October 2024						<u>- · · </u>	
Grade Inspection Meeting Scheduled					November 2024		
Final Plan and Estimate to MDOT					D	ecember 202	4
Right of Way (ROW) certified*					N	A	
Rail Road Permits	*						
Environmental Mitigation* NA							
Project Obligated January 2025							
Project Letting					IV	1arch 2025	
Construction Start May 2025							

^{*}Enter NA if these items will not be required.

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

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

	Intersection Geometric Enhancements							
		80%	Rear-End Left-Turn					
		50%	Head-On Left-Turn					
	Center Left-Turn Lane - Construct	20%	Head-On, Angle, Other					
		15%	Non Left-Turn Rear-End					
		30%	Angle					
	Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	15%	Rear-End					
	radii iliprovements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related					
	Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn					
	Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn					
		65%	Angle-Turn					
	Offset Right-Turn Lane - Construct	50%	Other Applicable Crashes					
		20%	Rear-End Right Turn					
	Bi-la Toma Long Constant	65%	Rear-End Right-Turn					
	Right-Turn Lane - Construct	20%	Applicable Rear-End Crashes, Sideswipe Same Direction					
	Davindahasit	78%	Fatal and A-Injury Reduction					
	Roundabout	57%	Minor Crash Reduction					
	Lighting	_	See MDOT Interchange Warranted Lighting Guidance and overall					
			MDOT Lighting Guidance					
	General Intersection Enhan	•	-					
	All-Way Stop Control - New Installation	60%	All Applicable Crashes					
	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach					
	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach					
	Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes					
	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes					
	Reflective Sheeting on Sign Posts (Iollipops)	15%	All Applicable Crashes					

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.

Section 1. Applicant Information							
Agency Name	Cass County I	Cass County Road Commission					
Contact Name	Joe Bellina		Title	Chief Engineer			
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com			
Engineer/Consultant (If applicable)		Nick Mannon					
Phone Number	(296)445-861	.1	Email	nmannon@casscoroad.com			

Section 2. Project Information					
Project Name/Road Name	Pine Lake Street				
Project Limits (e.g. Napier Ave. to Britain Ave.)	Conrad Road Dailey	Conrad Road Dailey Road			
Project Length (nearest hundredth of a mile)	1.43	Proposed Year of Funding	2025		
Primary Work Type	☐ Reconstruct ☐ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other				
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Mill and Fill 2" HMA,36A, Shoulder Class II and Pavement Marking				
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No				
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	Yes No If yes,	, please explain:			
If you are submitting multiple app rank your applications by priority.	· •	Project Rank: 3 of 11			

Section 3. Project Funding					
Estimated Participating Cost of the P	roject	\$299238.39			
Federal STBG Requested		\$	%		
State D Requested		\$29923.84	10%		
CTF (Transit Only)		\$	%		
Local Funds		\$59847.68	20%		
Total		\$89771.52	30%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how		☐ Yes ⊠ No Amount \$			
Are there elements of the project that for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:			
Will the project have nonparticipatin	g work, such as	Amount: \$			
water, or sewer work?		Explain:			
Section 4. Regional Connectivity	/				
What is the most current daily traffic of this project?	count for the limits	AADT: 1553 Year of count: 2017 Source: CCRC			
National Functional Classification (NF	C) for this roadway	Major Collector			
Is the project on an All Season Road		Yes No Pr	oposed All Season		
		•			
Section 5. System Preservation					
2021 PASER rating (Available 8-10-21)	3				
Current state of drainage	Occasional drain	• .	s ne maintenance required ve maintenance required		
Expected increase in Remaining Service life (RSL)	7 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>				
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☐ Resurfacing, resto ☑ Preventative Mair	oration, and Rehabilitation (3R)			

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	27		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 provide	will						

Section 7. Pedestrian and Bicycle Improvements			
Please explain what pedestrian and/or bicycle facilities if any currently exist	None		
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None		
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ⊠ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ☐ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	☐ Yes ☐ No ☐ 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
			1				
Shoulder	Paved		Wi	dth (ft.)	Paved		Width (ft.)
Surface	Unpaved		3				2
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
On road higyele	None Bike Lane)+ha	r (specify)	None Bike Lane	Otho	l er (specify)
On road bicycle facilities	Sharrows		Jule	r (specify)	Sharrows		ir (specify)
lacilities	Wide Shou	ılders D		one	Wide Shou	ılders 🔀 N	one
Utilities, Sewer					Replace U		5116
and Water	Utilities Upgrades Needed Sewer and water work needed		Relocate Utilities				
					Sewer and Water Line Work		
Please describe ar	ny improvement	ts being			, 		
made as part of th	nis project to						
crosswalks, signage or signals, or							
streetscape elements not discussed in							
project descriptio	n						
Does this project				Yes 🔀 No			
of pedestrian or bicyclists to fixed route If yes, how?							
or Dial-A-Ride transit?							
Saction 10 Esti	mated Projec	t Schod	ulo				
Section 10. Esti	mateu Projec	t Scried	uie		E	stimated Date	
Resolution of Sup		Match S	uhm	itted to SWMPC		eptember 202	
Project Applicatio	•		артт	itted to SWIVII C		eptember 202	
Grade Inspection			DOT			ctober 2024	<u>- · · </u>
Grade Inspection Meeting Scheduled				ovember 202	4		
Final Plan and Estimate to MDOT			D	ecember 202	4		
Right of Way (ROW) certified*			N	A			
Rail Road Permits	*						
Environmental Mi	Environmental Mitigation* NA						
Project Obligated	Project Obligated January 2025						
Project Letting					IV	1arch 2025	
Construction Start May 2025							

^{*}Enter NA if these items will not be required.

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

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

Intersection Geometric Enhancements					
	80%	Rear-End Left-Turn			
Contact of Town Long Construct	50%	Head-On Left-Turn			
Center Left-Turn Lane - Construct	20%	Head-On, Angle, Other			
	15%	Non Left-Turn Rear-End			
	30%	Angle			
Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	15%	Rear-End			
radii iliprovements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related			
Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn			
Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn			
	65%	Angle-Turn			
Offset Right-Turn Lane - Construct	50%	Other Applicable Crashes			
	20%	Rear-End Right Turn			
Bi-la Toma Long Constant	65%	Rear-End Right-Turn			
Right-Turn Lane - Construct	20%	Applicable Rear-End Crashes, Sideswipe Same Direction			
Davindahasit	78%	Fatal and A-Injury Reduction			
Roundabout	57%	Minor Crash Reduction			
Lighting	_	See MDOT Interchange Warranted Lighting Guidance and overall			
		MDOT Lighting Guidance			
General Intersection Enhan	•	-			
All-Way Stop Control - New Installation	60%	All Applicable Crashes			
Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach			
Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach			
Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes			
Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes			
Reflective Sheeting on Sign Posts (Iollipops)	15%	All Applicable Crashes			

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.

Section 1. Applicant Information				
Agency Name	Cass County I	Cass County Road Commission		
Contact Name	Joe Bellina	Joe Bellina		Chief Engineer
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com
Engineer/Consultant (If applicable)		Nick Mannon		
Phone Number	(296)445-861	1	Email	nmannon@casscoroad.com

Section 2. Project Information			
Project Name/Road Name	Indian Lake Road		
Project Limits (e.g. Napier Ave. to Britain Ave.)	Smith Lake Street to	Peavine Street	
Project Length (nearest hundredth of a mile)	1.24	Proposed Year of Funding	2026
Primary Work Type	☐ Reconstruct ☒ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other		
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Crush and Shape HN and Pavement Mark	MA Surface and add 4" HMA,36A king	A, Shoulder Class II
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	□Yes ⊠No		
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ⊠No If yes,	please explain:	
If you are submitting multiple app rank your applications by priority.	· •	Project Rank: 4 of 11	

Section 3. Project Funding				
Estimated Participating Cost of the P	roject	\$504382.66		
Federal STBG Requested		\$	%	
State D Requested		\$	%	
CTF (Transit Only)		\$	%	
Local Funds		\$100876.53	20%	
Total		\$100876.53	20%	
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ⊠ No Maximum Dollar Amount you can AC? \$		
Can your agency supply additional m minimum required 18.15%. If so how	=	☐ Yes ⊠ No Amount \$		
Are there elements of the project the for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:		
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:		
Section 4. Regional Connectivity	/			
What is the most current daily traffic of this project?	count for the limits	AADT: 1076 Year of count: 2010	Source: CCRC	
National Functional Classification (NI	C) for this roadway	Major Collector		
Is the project on an All Season Road		☐Yes ☑No ☐ Pro	oposed All Season	
		-		
Section 5. System Preservation				
2021 PASER rating (Available 8-10-21)	2			
Current state of drainage	 ✓ Adequate ✓ Minor and tolerable drainage problems ✓ Occasional drainage problems with some maintenance required ✓ Inadequate, frequent flooding, excessive maintenance required 			
Expected increase in Remaining Service life (RSL)	17 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>			
What MDOT guidelines does the project conform to?	□ Reconstruction (4R) □ Resurfacing, restoration, and Rehabilitation (3R) □ Preventative Maintenance (PM)			

Section 6. Safety				
Please list the number and (2016-2020) (see Michiga	•		he proposed project limits o	over the last 5 yrs.
Total Crashes	6		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 provide	will	Extend the should	ler 1ft on each side	

Section 7. Pedestrian and Bicycle Improvements			
Please explain what pedestrian and/or bicycle facilities if any currently exist	None		
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None		
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ☑ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ⊠ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
Shoulder	Paved		Wi	dth (ft.)	Naved Paved		Width (ft.)
Surface			3		Unpaved		1
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side			One Sid			
	<u> </u> Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
	None				None		
On road bicycle	Bike Lane		Othe	r (specify)	Bike Lane	Othe	er (specify)
facilities	Sharrows	—			Sharrows	—	
	Wide Shou		<u> </u>		Wide Shou		one
Utilities, Sewer	Utilities Up	_			Replace Utilities		
and Water	Sewer and water work needed			Relocate Utilities Sewer and Water Line Work			
				Sewer and	Water Line V	Vork	
Please describe any improvements being							
made as part of this project to							
crosswalks, signage or signals, or							
streetscape elements not discussed in							
project description			Yes No				
Does this project enhance connectivity of pedestrian or bicyclists to fixed route				es, how?			
or Dial-A-Ride transit?			'' y	C3, 110 W:			
of Dial-A-Nide transit:							
Section 10. Esti	mated Proiec	t Sched	ule				
Activity	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Es	stimated Date	9
Resolution of Sup	port for□ Local	Match S	ubm	itted to SWMPC	Se	eptember 202	25
Project Applicatio	n Submitted to	MOT			Se	eptember 202	<u></u> 25
Grade Inspection Package Submitted to MDOT				0	ctober 2025		
Grade Inspection Meeting Scheduled				N	ovember 202	.5	
Final Plan and Estimate to MDOT				D	ecember 202	5	
Right of Way (ROW) certified*				N	A		
Rail Road Permits*				N	A		
Environmental Mitigation*					N	A	
Project Obligated					Ja	nuary 2026	
Project Letting				IV	larch 2026		
Construction Start				N	lay 2026		

^{*}Enter NA if these items will not be required.

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

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

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

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.

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-861	.1	Email	nmannon@casscoroad.com		

Section 2. Project Information						
Project Name/Road Name	Indian Lake Road					
Project Limits (e.g. Napier Ave. to Britain Ave.)	Peavine Street to M62					
Project Length (nearest hundredth of a mile)	1.79	Proposed Year of Funding	2026			
Primary Work Type	☐ Reconstruct ☐ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other					
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Crush and Shape HMA Surface and add 4" HMA,36A, Shoulder Class II and Pavement Marking					
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No					
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:					
If you are submitting multiple app rank your applications by priority.		Project Rank: 5 of 11				

Section 3. Project Funding						
Estimated Participating Cost of the Project			\$682594.48			
Federal STBG Requested			,	%		
State D Requested		\$	į.	%		
CTF (Transit Only)		\$	i e	%		
Local Funds		\$	136518.90	20%		
Total		\$	136518.90	20%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	٨	☐ Yes ⊠ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how	•		☐ Yes ⊠ No Amount \$			
Are there elements of the project that for other federal fund sources such a 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 of this project?	count for the limits		AADT: 955 Year of count: 2020) Source: CCRC		
National Functional Classification (NF	C) for this roadway		Major Collector			
Is the project on an All Season Road			Yes No Pro	oposed All Season		
		•				
Section 5. System Preservation						
2021 PASER rating (Available 8-10-21)	2,1					
Current state of drainage	Occasional drain	ag	•	s ne maintenance required ve maintenance required		
Expected increase in Remaining Service life (RSL)	17 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>			Local Projects		
What MDOT guidelines does the project conform to?				oration, and Rehabilitation (3R)		

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	13		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 provide	will					

Section 7. Pedestrian and Bicycle Improvements				
Please explain what pedestrian and/or bicycle facilities if any currently exist	None			
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None			
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ☑ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ⊠ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing				Proposed		
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
Shoulder	Naved Paved		Wi	dth (ft.)	Naved Paved		Width (ft.)
Surface	Unpaved		1		Unpaved		1
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
	None				None		
On road bicycle	Bike Lane		Othe	r (specify)	Bike Lane	∐ Othe	er (specify)
facilities	Sharrows	—	_		Sharrows	— —	
	Wide Shou		<u>√</u> No		Wide Shou		one
Utilities, Sewer	Utilities Up	•			Replace U		
and Water	Sewer and water wo			ork needed Relocate Utilities Sewer and Water Line Work			
Dlagga dagariba ar		ts boing			Sewer and	i water Line v	VOIK
Please describe ar made as part of the	•	rs peilig					
·	• •						
crosswalks, signage or signals, or streetscape elements not discussed in							
project description							
Does this project		rtivity		Yes No			
of pedestrian or b		-	If yes, how?				
or Dial-A-Ride trai	=	route	'' '	C3, 110 W .			
of Dial A Mac Calibit:							
Section 10. Esti	mated Projec	t Sched	ule				
Activity	•				Es	stimated Date	2
Resolution of Sup	port for 🗆 Local	Match S	ubm	itted to SWMPC	Se	eptember 202	25
Project Applicatio	n Submitted to	MOT			Se	eptember 202	<u></u> 25
Grade Inspection Package Submitted to MDOT				0	ctober 2025		
Grade Inspection Meeting Scheduled				N	ovember 202	.5	
Final Plan and Estimate to MDOT				D	ecember 202	5	
Right of Way (ROW) certified*					N	A	
Rail Road Permits*					N	A	
Environmental Mitigation*					N	A	
Project Obligated					Ja	nuary 2026	
Project Letting					IV	larch 2026	
Construction Start					N	lay 2026	

^{*}Enter NA if these items will not be required.

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

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

Intersection Geometric Enhancements							
	80%	Rear-End Left-Turn					
Contant of Town Lone Construct	50%	Head-On Left-Turn					
Center Left-Turn Lane - Construct	20%	Head-On, Angle, Other					
	15%	Non Left-Turn Rear-End					
	30%	Angle					
Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	15%	Rear-End					
radii iliprovements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related					
Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn					
Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn					
	65%	Angle-Turn					
Offset Right-Turn Lane - Construct	50%	Other Applicable Crashes					
	20%	Rear-End Right Turn					
Bi-la Toma Long Constant	65%	Rear-End Right-Turn					
Right-Turn Lane - Construct	20%	Applicable Rear-End Crashes, Sideswipe Same Direction					
Davindahasit	78%	Fatal and A-Injury Reduction					
Roundabout	57%	Minor Crash Reduction					
Lighting	_	See MDOT Interchange Warranted Lighting Guidance and overall					
		MDOT Lighting Guidance					
General Intersection Enhan	•	-					
All-Way Stop Control - New Installation	60%	All Applicable Crashes					
Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach					
Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach					
Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes					
Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes					
Reflective Sheeting on Sign Posts (Iollipops)	15%	All Applicable Crashes					

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 <u>kovnatb@swmpc.org</u> or call (269) 925-1137 x 1524

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-8611		Email	nmannon@casscoroad.com		

Section 2. Project Information						
Project Name/Road Name	Monette Street					
Project Limits (e.g. Napier Ave. to Britain Ave.)	M62 to Robinson Road					
Project Length (nearest hundredth of a mile)	2.79	Proposed Year of Funding	2026			
Primary Work Type	☐ Reconstruct ☐ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other					
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Mill and fill 2" HMA,36A, Shoulder Class II and Pavement Marking					
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No					
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:					
If you are submitting multiple app rank your applications by priority.		Project Rank: 6 of 11				

Section 3. Project Funding				
Estimated Participating Cost of the P	roject	\$601343.61		
Federal STBG Requested		\$	%	
State D Requested		\$	%	
CTF (Transit Only)		\$	%	
Local Funds		\$120268.72	20%	
Total		\$120268.72	20%	
Does your agency have the financial construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$		
Can your agency supply additional m minimum required 18.15%. If so how	•	☐ Yes ⊠ No Amount \$		
Are there elements of the project that for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:		
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:		
Section 4. Regional Connectivity	/			
What is the most current daily traffic of this project?	count for the limits	AADT: 769 Year of count: 2020	O Source: CCRC	
National Functional Classification (NF	C) for this roadway	Major Collector		
Is the project on an All Season Road		Yes No Proposed All Season		
		-		
Section 5. System Preservation				
2021 PASER rating (Available 8-10-21)	3,2			
Current state of drainage	Occasional draina	able drainage problems nage problems with some maintenance required quent flooding, excessive maintenance required		
Expected increase in Remaining Service life (RSL)	7 Use MDOT's <u>Guidelir</u>	nes for Geometrics on I	<u>Local Projects</u>	
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☐ Resurfacing, resto ☑ Preventative Mair	ration, and Rehabilita	tion (3R)	

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	0		Serious Injuries	2			
Using the attached Crash Fincluded in the project	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 provide	will						

Section 7. Pedestrian and Bicycle Improvements					
Please explain what pedestrian and/or bicycle facilities if any currently exist	None				
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None				
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ☑ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ⊠ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design								
	Existing				Proposed			
Include the	Through	Center		On Street	Through	Center	On Street	
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking	
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No	
Shoulder	Paved		Wi	dth (ft.)	Paved		Width (ft.)	
Surface	Unpaved		3				3	
Sidewalk/ path	Placement		Wie	dth (ft.)	Placement		Width (ft.)	
information	One Side				One Side			
	Both Sides				Both Sides			
	Intermitte	nt			Intermitte	nt		
On road higusla	None Bike Lane) }+bo	r (specify)	None Bike Lane	O+ho	l er (specify)	
On road bicycle facilities	Sharrows		Jule	r (specify)	Sharrows		ir (specify)	
lacilities	Wide Shou	Iders D	<u></u> N(one	Wide Shou	ılders 🔀 N	one	
Utilities, Sewer	Utilities Up				Replace U		5116	
and Water	Sewer and	_			Relocate U			
					Sewer and Water Line Work			
Please describe ar	ny improvement	ts being						
made as part of th	-	J						
crosswalks, signag	ge or signals, or							
streetscape elements not discussed in								
project descriptio	n							
Does this project				Yes 🔀 No				
of pedestrian or b	-	l route	If yes, how?					
or Dial-A-Ride trai	nsit?							
6								
Section 10. Esti	mated Projec	t Sched	ule					
Activity						stimated Date		
Resolution of Supp			ubm	itted to SWMPC		eptember 202		
Project Application			DOT			eptember 202	<u> </u>	
Grade Inspection Package Submitted to MDOT						ctober 2025		
Grade Inspection Meeting Scheduled					ovember 202			
Final Plan and Estimate to MDOT					+	ecember 202	5	
Right of Way (ROW) certified*					N			
Rail Road Permits*					N			
Environmental Mitigation*					N			
Project Obligated						nuary 2026		
Project Letting						larch 2026		
Construction Start					N	lay 2026		

^{*}Enter NA if these items will not be required.

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

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

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

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	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-8611		Email	nmannon@casscoroad.com		

Section 2. Project Information					
Project Name/Road Name	Calvin Hill Streett				
Project Limits (e.g. Napier Ave. to Britain Ave.)	Robinson Road to Cassoplis Road				
Project Length (nearest hundredth of a mile)	1.02	Proposed Year of Funding	2026		
Primary Work Type	☐ Reconstruct ☐ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other				
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Mill and fill 1.5" HMA,36A, Shoulder Class II and Pavement Marking				
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No				
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ⊠No If yes,	, please explain:			
If you are submitting multiple app rank your applications by priority.	lications, please	Project Rank: 7 of 11			

Section 3. Project Funding						
Estimated Participating Cost of the P	roject	\$190533.24				
Federal STBG Requested		\$	%			
State D Requested		\$	%			
CTF (Transit Only)		\$	%			
Local Funds		\$38106.65	20%			
Total		\$38106.65	20%			
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ⊠ No Maximum Dollar Amount you can AC? \$				
Can your agency supply additional m minimum required 18.15%. If so how	-	☐ Yes ⊠ No Amount \$				
Are there elements of the project that for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:				
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:				
Section 4. Regional Connectivity	/					
What is the most current daily traffic of this project?	count for the limits	AADT: 1681 Year of count: 2020	O Source: CCRC			
National Functional Classification (NI	C) for this roadway	Major Collector				
Is the project on an All Season Road		Yes No Pro	oposed All Season			
		·				
Section 5. System Preservation						
2021 PASER rating (Available 8-10-21)	3					
Current state of drainage	Occasional draina		s ne maintenance required ve maintenance required			
Expected increase in Remaining Service life (RSL)	7 Use MDOT's <u>Guidelir</u>	nes for Geometrics on I	Local Projects			
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☐ Resurfacing, resto ☑ Preventative Mair	ration, and Rehabilita	tion (3R)			

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	19		Pedestrian & Bicycle Crashes	0			
Fatalities	2		Serious Injuries	0			
Using the attached Crash Fincluded in the project	Reduction	n Factors sheet, ple	ase check each safety coun	ter measure that will be			
Describe any other safety improvements this project provide	will						

Section 7. Pedestrian and Bicycle Improvements					
Please explain what pedestrian and/or bicycle facilities if any currently exist	None				
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None				
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ☑ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ☑ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through			On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
Shoulder	Naved Paved		Wi	dth (ft.)	Naved Paved		Width (ft.)
Surface	Unpaved		2		Unpaved		2
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
	None				None		
On road bicycle	Bike Lane		Othe	r (specify)	Bike Lane	U Othe	er (specify)
facilities	Sharrows	—	_		Sharrows	— —	
	Wide Shou		<u>√</u> No		Wide Shou		one
Utilities, Sewer	Utilities Up	_		 			
and Water	Sewer and	water wo	rk needed Relocate Utilities Sewer and Water Line Work				Morle
Dlagge describe ar	 	ts boing			Sewer and	water tine v	VOIK
Please describe ar made as part of the	•	rs peilig					
crosswalks, signag	• •						
streetscape eleme		ed in					
project descriptio		ca iii					
Does this project		tivity		Yes 🔀 No			
		-	If yes, how?				
of pedestrian or bicyclists to fixed route or Dial-A-Ride transit?			' '				
Section 10. Esti	mated Projec	t Sched	ule				
Activity	,				E:	stimated Date	9
Resolution of Sup	port for□ Local	Match S	ubm	itted to SWMPC	Se	eptember 202	25
Project Applicatio	n Submitted to	MOT		September 2025			25
Grade Inspection Package Submitted to MDOT					0	ctober 2025	
Grade Inspection Meeting Scheduled					N	ovember 202	.5
Final Plan and Estimate to MDOT					D	ecember 202	5
Right of Way (ROW) certified*					N	A	
Rail Road Permits*					N	Α	
Environmental Mitigation*					N	A	
Project Obligated						nuary 2026	
Project Letting					IV	larch 2026	
Construction Start					N	lay 2026	

^{*}Enter NA if these items will not be required.

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

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

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

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

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-8611		Email	nmannon@casscoroad.com		

Section 2. Project Information							
Project Name/Road Name	Calvin Hill Streett						
Project Limits (e.g. Napier Ave. to Britain Ave.)	Cassoplis Road to C	alvin Center					
Project Length (nearest hundredth of a mile)	1.99	Proposed Year of Funding	2026				
Primary Work Type		Restore & Rehabilitate \square Roadsi ffic Operations/Safety \square Transi	•				
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	2" HMA,36A Overlay, Shoulder Class II and Pavement Marking						
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No						
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:						
If you are submitting multiple app rank your applications by priority.		Project Rank: 8 of 11					

Section 3. Project Funding					
Estimated Participating Cost of the P	roject	\$351955.31			
Federal STBG Requested		\$	%		
State D Requested		\$	%		
CTF (Transit Only)		\$	%		
Local Funds		\$70391.06	20%		
Total		\$70391.06	20%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how	•	☐ Yes ⊠ No Amount \$			
Are there elements of the project that for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:			
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:			
Section 4. Regional Connectivity	/				
What is the most current daily traffic of this project?	count for the limits	AADT: 663 Year of count: 2020	O Source: CCRC		
National Functional Classification (NI	C) for this roadway	Major Collector			
Is the project on an All Season Road		Yes No Pro	oposed All Season		
Section 5. System Preservation					
2021 PASER rating (Available 8-10-21)	3				
Current state of drainage	Occasional drain	able drainage problems age problems with some maintenance required quent flooding, excessive maintenance required			
Expected increase in Remaining Service life (RSL)	7 Use MDOT's Guidelines for Geometrics on Local Projects				
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☐ Resurfacing, resto ☑ Preventative Mair	ration, and Rehabilita	tion (3R)		

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	17		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								

Section 7. Pedestrian and Bicycle Improvements					
Please explain what pedestrian and/or bicycle facilities if any currently exist	None				
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None				
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ☑ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ☑ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
			1				
Shoulder	Paved		Wi	dth (ft.)	Paved		Width (ft.)
Surface	Unpaved		1		Unpaved		1
Sidewalk/ path	Placement		Wie	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
On road higuals	None)+ha	r (coocifu)	None	Otho	yr (specify)
On road bicycle facilities	Bike Lane Sharrows		Jine	r (specify)	Bike Lane Sharrows		er (specify)
idellities	Wide Shou	ıldars D	<u></u> Пи	nne.	Wide Shou	ıldars N	one
Utilities, Sewer	Utilities Up				Replace U		<u>Jile</u>
and Water	· = ·	_			Relocate Utilities		
and water	and Water Sewer and water work needed Relocate Utilities Sewer and Water Line Work					Vork	
Please describe ar	ny improvement	ts being					
made as part of th	nis project to	_					
crosswalks, signag	ge or signals, or						
streetscape eleme	ents not discuss	ed in					
project descriptio	n						
Does this project				Yes 🔀 No			
of pedestrian or b	-	l route	If y	es, how?			
or Dial-A-Ride transit?							
Saction 10 Esti	mated Draigs	t Schod	مايا				
Section 10. Esti	mateu Projec	t Scried	uie		F	stimated Date	
Resolution of Sup	 port for□ Local	Match S	uhm	itted to SWMPC		eptember 202	
Project Applicatio	•		4.5			eptember 202	
Grade Inspection			DOT			ctober 2025	
Grade Inspection	Grade Inspection Meeting Scheduled November 2025						.5
Final Plan and Estimate to MDOT December 2025						5	
Right of Way (ROW) certified* NA							
Rail Road Permits* NA							
Environmental Mi	Environmental Mitigation* NA						
Project Obligated						nuary 2026	
Project Letting						larch 2026	_
Construction Start May 2026							

^{*}Enter NA if these items will not be required.

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

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

Intersection Geometric Enhancements						
		Rear-End Left-Turn				
Contact of Town Long Construct	50%	Head-On Left-Turn				
Center Left-Turn Lane - Construct	20%	Head-On, Angle, Other				
	15%	Non Left-Turn Rear-End				
	30%	Angle				
Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	15%	Rear-End				
radii iliprovements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related				
Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn				
Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn				
	65%	Angle-Turn				
Offset Right-Turn Lane - Construct	50%	Other Applicable Crashes				
	20%	Rear-End Right Turn				
Bi-la Toma Long Constant	65%	Rear-End Right-Turn				
Right-Turn Lane - Construct		Applicable Rear-End Crashes, Sideswipe Same Direction				
Davindahasit	78%	Fatal and A-Injury Reduction				
Roundabout	57%	Minor Crash Reduction				
Lighting	_	See MDOT Interchange Warranted Lighting Guidance and overall				
		MDOT Lighting Guidance				
General Intersection Enhan	•	-				
All-Way Stop Control - New Installation	60%	All Applicable Crashes				
Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach				
Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach				
Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes				
Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes				
Reflective Sheeting on Sign Posts (Iollipops)	15%	All Applicable Crashes				

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 <u>kovnatb@swmpc.org</u> or call (269) 925-1137 x 1524

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina		Title	Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-8611		Email	nmannon@casscoroad.com		

Section 2. Project Information						
Project Name/Road Name	Dutch Settlement S	treet				
Project Limits (e.g. Napier Ave. to Britain Ave.)	Briaripatch Road to	Lawrence Road				
Project Length (nearest hundredth of a mile)	1.60	Proposed Year of Funding	2026			
Primary Work Type		Restore & Rehabilitate \square Roadsi ffic Operations/Safety \square Transi	•			
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Crush and Shape HMA Surface and add 4" HMA,36A, Shoulder Class II and Pavement Marking					
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No					
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:					
If you are submitting multiple app rank your applications by priority.	• •	Project Rank: 9 of 11				

Section 3. Project Funding						
Estimated Participating Cost of the Project			\$610140.32			
Federal STBG Requested				%		
State D Requested		\$		%		
CTF (Transit Only)		\$	i	%		
Local Funds		\$	122028.06	20%		
Total		\$	122028.06	20%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amount willing to Advance Construct (AC)?	ect if necessary? If	١	☐ Yes ⊠ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how	•		☐ Yes ⊠ No Amount \$			
Are there elements of the project the for other federal fund sources such a Bridge etc.	_	_	Source: Amount: \$ Explanation:			
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:				
,						
Section 4. Regional Connectivity	/					
What is the most current daily traffic count for the limits of this project?			AADT: 348 Year of count: 2019	Source: CCRC		
National Functional Classification (NFC) for this roadway			Major Collector			
Is the project on an All Season Road			Yes No Pro	oposed All Season		
Section 5. System Preservation						
2021 PASER rating (Available 8-10-21)	2					
Current state of drainage	Occasional drain	able drainage problems nage problems with some maintenance required quent flooding, excessive maintenance required				
Expected increase in Remaining Service life (RSL)	17 Use MDOT's <u>Guideli</u>	ne	s for Geometrics on I	Local Projects		
What MDOT guidelines does the project conform to? ☐ Reconstruction (4 ☐ Resurfacing, restorm to? ☐ Preventative Main			oration, and Rehabilitation (3R)			

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	4		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						

Section 7. Pedestrian and Bicycle Improvements				
Please explain what pedestrian and/or bicycle facilities if any currently exist	None			
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None			
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	☐Yes ☒No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ⊠ No
	Yes 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	⊠Yes □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	☐Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ⊠ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify: Lawrence to Goff Lake

Section 9. Existing and Proposed Roadway Design								
	Existing			Proposed				
Include the	Through	Center		On Street	Through	Center	On Street	
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking	
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No	
Shoulder	Paved		Wi	Width (ft.)			Width (ft.)	
Surface	Unpaved		3	- <u> </u>			3	
Sidewalk/ path	Placement		Wie	Width (ft.) Placement			Width (ft.)	
information	One Side				One Side			
	Both Sides				Both Sides			
	Intermitte	nt			Intermitte	nt		
On road higusla	None Bike Lane) }+bo	r (specify)	None Bike Lane	O+ho	l er (specify)	
On road bicycle facilities	Sharrows		Jule	r (specify)	Sharrows		ir (specify)	
lacilities	Wide Shou	Iders D	<u></u> N(one	Wide Shou			
Utilities, Sewer	Utilities Up				Replace U			
and Water	Sewer and	_				e Utilities		
					I ==	Water Line \	Vork	
Please describe ar	ny improvement	ts 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			☐Yes ⊠No					
of pedestrian or bicyclists to fixed route			If yes, how?					
or Dial-A-Ride trai	nsit?							
Section 10. Estimated Project Schedule								
Activity		NA		I. CMMADO	Estimated Date			
Resolution of Supp			ubm	itted to SWMPC		eptember 202		
Project Application Submitted to MOT					September 2025			
Grade Inspection Package Submitted to MDOT					October 2025			
Grade Inspection Meeting Scheduled					November 2025			
Final Plan and Estimate to MDOT					+	ecember 202	5	
Right of Way (ROW) certified*					N			
Rail Road Permits*					N			
Environmental Mitigation*					N			
Project Obligated						nuary 2026		
Project Letting Construction Start					March 2026			
Construction Start						lay 2026		

^{*}Enter NA if these items will not be required.

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

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

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

Rural Task Force Region Four 2024-2026 Road Project Application

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

Section 1. Applicant Information						
Agency Name	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina	Joe Bellina		Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-861	96)445-8611		nmannon@casscoroad.com		

Section 2. Project Information							
Project Name/Road Name	Dutch Settlement S	treet					
Project Limits (e.g. Napier Ave. to Britain Ave.)	Gards Prairie Road	to Briaripatch Road					
Project Length (nearest hundredth of a mile)	1.75	Proposed Year of Funding	2026				
Primary Work Type		Restore & Rehabilitate 🗌 Roadsi Iffic Operations/Safety 🗀 Transi	•				
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	Crush and Shape HMA Surface and add 4" HMA,36A, Shoulder Class II and Pavement Marking						
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No						
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:						
If you are submitting multiple app rank your applications by priority.	· •	Project Rank: 10 of 11					

Section 3. Project Funding					
Estimated Participating Cost of the P	roject	\$667340.98			
Federal STBG Requested		\$	%		
State D Requested		\$	%		
CTF (Transit Only)		\$	%		
Local Funds		\$133468.20	20%		
Total		\$133468.20	20%		
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$			
Can your agency supply additional m minimum required 18.15%. If so how	=	☐ Yes ⊠ No Amount \$			
Are there elements of the project the for other federal fund sources such a Bridge etc.	_	Source: Amount: \$ Explanation:			
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:			
Section 4. Regional Connectivity	/				
What is the most current daily traffic of this project?	count for the limits	AADT: 548 Year of count: 2018	8 Source: CCRC		
National Functional Classification (NI	C) for this roadway	Major Collector			
Is the project on an All Season Road		☐Yes ☑No ☐ Pro	oposed All Season		
Section 5. System Preservation					
2021 PASER rating (Available 8-10-21)	3				
Current state of drainage	Adequate Minor and tolerable drainage problems Occasional drainage problems with some maintenance required Inadequate, frequent flooding, excessive maintenance required				
Expected increase in Remaining Service life (RSL)	17 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>				
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☑ Resurfacing, resto ☐ Preventative Main	oration, and Rehabilita	tion (3R)		

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	7		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								

Section 7. Pedestrian and Bicycle Improvements					
Please explain what pedestrian and/or bicycle facilities if any currently exist	None				
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None				
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ⊠ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ☐ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	☐ Yes ☐ No ☐ 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	Yes No List the adjacent segments that qualify:

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
Shoulder	Paved		Wi	dth (ft.)	Paved		Width (ft.)
Surface	Unpaved		3				3
Sidewalk/ path	Placement		Wi	dth (ft.)	Placement		Width (ft.)
information	One Side				One Side		
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
On road higusla	None Bike Lane) }+bo	r (specify)	None Bike Lane	O+ho	l er (specify)
On road bicycle facilities	Sharrows		Jule	r (specify)	Sharrows		ir (specify)
lacilities	Wide Shou	Iders D	<u></u> N(one	Wide Shou	ılders 🔀 N	one
Utilities, Sewer	Utilities Up				Replace U		5116
and Water	Sewer and	_			Relocate Utilities		
					I ==	Water Line \	Vork
Please describe ar	ny improvement	ts being					
made as part of th	-	J					
crosswalks, signag	ge or signals, or						
streetscape eleme	ents not discuss	ed in					
project descriptio	n						
Does this project				Yes 🔀 No			
of pedestrian or b	-	l route	If y	es, how?			
or Dial-A-Ride trai	nsit?						
C							
Section 10. Esti	mated Projec	t Sched	ule				
Activity						stimated Date	
Resolution of Supp			ubm	itted to SWMPC		eptember 202	
Project Application			DOT			eptember 202	<u> </u>
Grade Inspection Package Submitted to MDOT October 20:							
Grade Inspection Meeting Scheduled					ovember 202		
Final Plan and Estimate to MDOT				+	ecember 202	5	
Right of Way (ROW) certified* NA							
Rail Road Permits* NA							
	Environmental Mitigation* NA						
Project Obligated						nuary 2026	
Project Letting						larch 2026	
Construction Start	L				N	lay 2026	

Project Completion

09/30/2026

^{*}Enter NA if these items will not be required.

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

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

Intersection Geometric Enhancements						
		Rear-End Left-Turn				
Contact of Town Long Construct	50%	Head-On Left-Turn				
Center Left-Turn Lane - Construct	20%	Head-On, Angle, Other				
	15%	Non Left-Turn Rear-End				
	30%	Angle				
Intersection Improvements (Realignment, Sight-Distance Improvements, Radii Improvements, Etc.)	15%	Rear-End				
radii iliprovements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related				
Offset Left-Turn Lane - Construct	65%	Angle-Turn, Head-On Left-Turn				
Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn				
	65%	Angle-Turn				
Offset Right-Turn Lane - Construct	50%	Other Applicable Crashes				
	20%	Rear-End Right Turn				
Bi-la Toma Long Constant	65%	Rear-End Right-Turn				
Right-Turn Lane - Construct		Applicable Rear-End Crashes, Sideswipe Same Direction				
Davindahasit	78%	Fatal and A-Injury Reduction				
Roundabout		Minor Crash Reduction				
Lighting	_	See MDOT Interchange Warranted Lighting Guidance and overall				
		MDOT Lighting Guidance				
General Intersection Enhan	•	-				
All-Way Stop Control - New Installation	60%	All Applicable Crashes				
Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach				
Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach				
Signing - Improve/Upgrade	30%	Angle, Rear-End Crashes				
Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes				
Reflective Sheeting on Sign Posts (Iollipops)	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	Cass County I	Cass County Road Commission				
Contact Name	Joe Bellina	Joe Bellina		Chief Engineer		
Phone Number	(269)445-8611		Email	jbellina@casscoroad.com		
Engineer/Consultant (If applicable)		Nick Mannon				
Phone Number	(296)445-861	296)445-8611		nmannon@casscoroad.com		

Section 2. Project Information						
Project Name/Road Name	Dutch Settlement S	treet				
Project Limits (e.g. Napier Ave. to Britain Ave.)	Decatur Road to Ga	rds Prairie Road				
Project Length (nearest hundredth of a mile)	1.0	Proposed Year of Funding	2026			
Primary Work Type	☐ Reconstruct ☐ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Transit ☐ Other					
Project Description (Please provide major work items including sidewalks, utility work, ADA upgrades etc.)	2" HMA,36A overlay, Shoulder Class II and Pavement Marking					
Was this project applied for during the 2020-2023 Call for Proejcts but not selected	☐Yes ⊠No					
Was this project awarded funding for the 2020-2023 TIP, but was either canceled or failed to be obligated	☐Yes ☐No If yes, please explain:					
If you are submitting multiple app rank your applications by priority.	· •	Project Rank: 11 of 11				

Section 3. Project Funding						
Estimated Participating Cost of the P	roject	\$165808.09				
Federal STBG Requested		\$	%			
State D Requested		\$	%			
CTF (Transit Only)		\$	%			
Local Funds		\$33161.62	20%			
Total		\$33161.62	20%			
Does your agency have the financial Construct (AC) all or part of this project, what is the maximum dollar amounting to Advance Construct (AC)?	ect if necessary? If	☐ Yes ⊠ No Maximum Dollar Amount you can AC? \$				
Can your agency supply additional m minimum required 18.15%. If so how	•	☐ Yes ⊠ No Amount \$				
Are there elements of the project that for other federal fund sources such a Bridge etc.		Source: Amount: \$ Explanation:				
Will the project have nonparticipatin water, or sewer work?	g work, such as	Amount: \$ Explain:				
water, or sewer work:		схріані.				
Section 4. Regional Connectivity	/					
What is the most current daily traffic of this project?	count for the limits	AADT: 548 Year of count: 2018	Source: CCRC			
National Functional Classification (NI	C) for this roadway	Major Collector				
Is the project on an All Season Road		Yes No Pro	oposed All Season			
Section 5. System Preservation						
2021 PASER rating (Available 8-10-21)	3,2					
Current state of drainage	Occasional drain	able drainage problems lage problems with some maintenance required quent flooding, excessive maintenance required				
Expected increase in Remaining Service life (RSL)	7 Use MDOT's <u>Guidelin</u>	nes for Geometrics on I	Local Projects			
What MDOT guidelines does the project conform to?	☐ Reconstruction (4 ☐ Resurfacing, resto ☑ Preventative Mair	oration, and Rehabilitation (3R)				

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	8		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 provide	will					

Section 7. Pedestrian and Bicycle Improvements				
Please explain what pedestrian and/or bicycle facilities if any currently exist	None			
Please explain any additional pedestrian and/or bicycle improvements included in the project.	None			
Does this project connect to an existing pedestrian/bicycle facility or one that is planned to be completed before 2027	☐Yes ☑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	☐Yes ☑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	☐Yes ☑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	Yes No List utilities covered by the asset management plan:
Will this project coordinate with other infrastructure projects (i.e. utility, water, sewer, etc.)?	Yes 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?	None
Is there a completed utilities assessment that includes televising the sewers in the project area?	☐ Yes ☑ No
	Yes 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	⊠Yes □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	□Yes ⊠No
Does the project cross jurisdictional boundaries?	☐ Yes ⊠ No
If yes, will it be bid as a single project?	☐ Yes ☐ No ☒ NA
Will this project require environmental mitigation, purchase of Right of Way (ROW), or railroad permits?	Yes No 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	Yes No List the adjacent segments that qualify: O'keefe - Decatur

Section 9. Existing and Proposed Roadway Design							
	Existing			Proposed			
Include the	Through	Center		On Street	Through	Center	On Street
number of	Traffic Lanes	Turn La	ne	Parking	Traffic Lanes	Turn Lane	Parking
vehicle lanes	2	0		☐ Yes ⊠ No	2	0	☐ Yes ⊠ No
Shoulder	Paved		Wi	Width (ft.)		Width (ft.	
Surface	Unpaved		3	- <u>CJ - I</u>			3
Sidewalk/ path	Placement		Wi	Width (ft.) Placement			Width (ft.)
information	One Side			One Sid			
	Both Sides				Both Sides		
	Intermitte	nt			Intermitte	nt	
On road higusla	None Bike Lane) }+bo	r (specify)	None Bike Lane	O+ho	l er (specify)
On road bicycle facilities	Sharrows		Jule	r (specify)	Sharrows		ir (specify)
lacilities	Wide Shou	Iders D	<u></u> N(one	Wide Shou	ılders 🔀 N	one
Utilities, Sewer	Utilities Up				Replace U		5116
and Water	Sewer and	_					
					I ==	Water Line \	Vork
Please describe ar	ny improvement	ts being			· —		
made as part of th	nis project to	_					
crosswalks, signage or signals, or							
streetscape elements not discussed in							
project description							
Does this project enhance connectivity				Yes 🔀 No			
of pedestrian or bicyclists to fixed route			lf y	es, how?			
or Dial-A-Ride transit?							
Section 10 Estimated Project Schodule							
Section 10. Estimated Project Schedule Activity Estimated Date							
Activity Resolution of Sup	nort for□ Local	Match C	uhm	ittad to SWMDC			
			ubili	itted to SwiviPC	September 2025 September 2025		
Project Application Submitted to MOT Grade Inspection Package Submitted to MDOT						ctober 2025	<u>.</u>
Grade Inspection Meeting Scheduled					November 2025		
Final Plan and Estimate to MDOT						ecember 202	
Right of Way (ROW) certified*					N	A	
Rail Road Permits*					N	A	
Environmental Mi	tigation*				N	A	
Project Obligated					Ja	nuary 2026	
Project Letting					IV	larch 2026	
Construction Start					N	lay 2026	

Project Completion

09/30/2026

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		50%	Head-On Left-Turn				
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	Tight Friction Surface Treatment - Mistali	20%	All Other Applicable Crashes				
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		3%	Rear-End			
	Multiple Low-Cost Improvements		Right-Angle			
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	Signal Head Size - Increase to 12 "	10%	All Applicable Crashes +			
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	radii improvements, etc.)	10%	Head-On, Sideswipe, Pedestrian, Bicycle, Left-Turn Related			
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	Offset Left-Turn Lane - Construct	20%	Rear-End Left-Turn			
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	Roundabout	78%	Fatal and A-Injury Reduction			
		57%	Minor Crash Reduction			
	Lighting		See MDOT Interchange Warranted Lighting Guidance and overall			
		-	MDOT Lighting Guidance			
	General Intersection Enhancements (Non-Signalized Intersections)					
	All-Way Stop Control - New Installation	60%	All Applicable Crashes			
	Ground Mounted Flashing Beacons (Red)- Install **	30%	All Crashes On Install Approach			
	Ground Mounted Flashing Beacons(Amber) - Install **	20%	All Crashes On Install Approach			
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	Pavement Markings - Improve/Upgrade	30%	Angle, Rear-End Crashes			
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