TwinCATS 2020-2023 Road Project Prioritization System

Project Name: Red Arrow HewAgency: Village of Stevens VIII

Proposed Year: 2021 Total Points: 29

Criteria	Points	
System Preservation	18 points max	
a. Most recent PASER rating		
3-4	(10)	10
5-6	8	
1-2	5	
b. Extension of Remaining Service Life (RSL) based on MDOT Geometric Guidelines		
Extends RSL by 15 years or more (4R project)	8	
Extends RSL by 10-14 years (3R Project)	6	6
Extends RSL by 5-9 years (Preventative Maintenance)	4	
Extends RSL by 2-4 years (Preventative Maintenance)	2	
Safety	7 points max	
a. Expected Crash Reduction - Based on MDOT approved Crash Reduction Factors		15.44
50% or greater	5	
40%-49.9%	4	
30% - 39.9%	3	la
20% - 29.9%	2	1111
10% - 19.9%	1	
Less than 10%	0	0
b. Addressing High Crash Locations.		
Number of crashes is 20% higher than MPO median (4 or more)	2	2
Number of crashes are within 20% of MPO median (2-3)	1	
Number of crashes is lower than 20% of the MPO median (0-1)	0	
Non-motorized Transportation / Complete Streets	6 points max	
a. Follows the Complete Streets Policy	4	
b. Pedestrian and bicycle elements of the project connect to existing bicycle and pedestrian facilities or those that can reasonably expect to be completed between 2019 and 2023.	2	

Criteria	Points	
Regional Connectivity	10 points max	
a. Average daily traffic (ADT) based on most recent traffic count		
ADT is 10,000 or more	5	5
ADT is 5,000 – 9,999	4	
ADT is 2,000 – 4,999	3	
ADT is less than 2,000	0	
b. Functional Classification of the Road		
Principal Arterial	3	3
Minor Arterial	2	
Major Collector	1	
Minor Collector	0	
c. Fixed route transit (TCATA Red or Blue line) uses the road	2	
Strategic Investment/ Project Planning	11 points max	
	(3)	7
a. Project is identified in an Asset Management or Capital Improvement Plan	(3)	0
a. Project is identified in an Asset Management or Capital Improvement Planb. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan	1	3
b. Project is identified as a priority in another planning document such as a master plan		3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation planc. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such	1	2
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or 	1	3
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. 	1	3
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match 	1 1 2	3
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match 	1 1 2	3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match	1 1 2	3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match Note: An 18.15% local match is the minimum required	1 1 2 4 2	3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match Note: An 18.15% local match is the minimum required Project Readiness (no points)	1 1 2 4 2 Yes	3

3.1

Twin Cities Area Transportation Study 2020-2023 Transportation Improvement Program (TIP) Federal Surface Transportation Block Grant Funds Project Application

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

Section 1. Appli	cant Information		
Agency Name	Village of Stevenville		
Contact Name	Steve Slavicek	Title	Village President
Phone Number	(269) 429-1802	Email	steveslavicek@hotmail.com

Section 2. Project Informatio	n		
Project Name/Road Name	Red Arrow Highway		
Project Limits (e.g. Napier Ave. to Britain Ave.)	John Beers Rd to 750 f	t north of Puetz Rd	
Project Length (nearest hundredth of a mile)	.47 Mile	Proposed Year of Funding	2021
Primary Work Type		tore & Rehabilitate 🗌 Roadsi c Operations/Safety 🗌 Other	
Project Description	The plan for the project	ct is to mill the existing surfac	e down to a depth of
(Please provide major work	3", place a 1" scratch c	course of asphalt with a geosy	nthetic paving fabric,
items including sidewalks, utility	and pave the roadway	with 2" of hot mix asphalt.	
work, ADA upgrades etc.)			
Was this project awarded	Yes No If yes, pl	ease explain:	
funding for the 2017-2020 TIP,			
but was either canceled or failed			
to be obligated			

Section 3. Project Funding	
Federal Funding Requested	\$ 412,810.00
Local Match (18.15% minimum)	\$ 91,550.00
Total	\$ 504,360.00
Local Match Percentage (local match/total cost)	18.15%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$

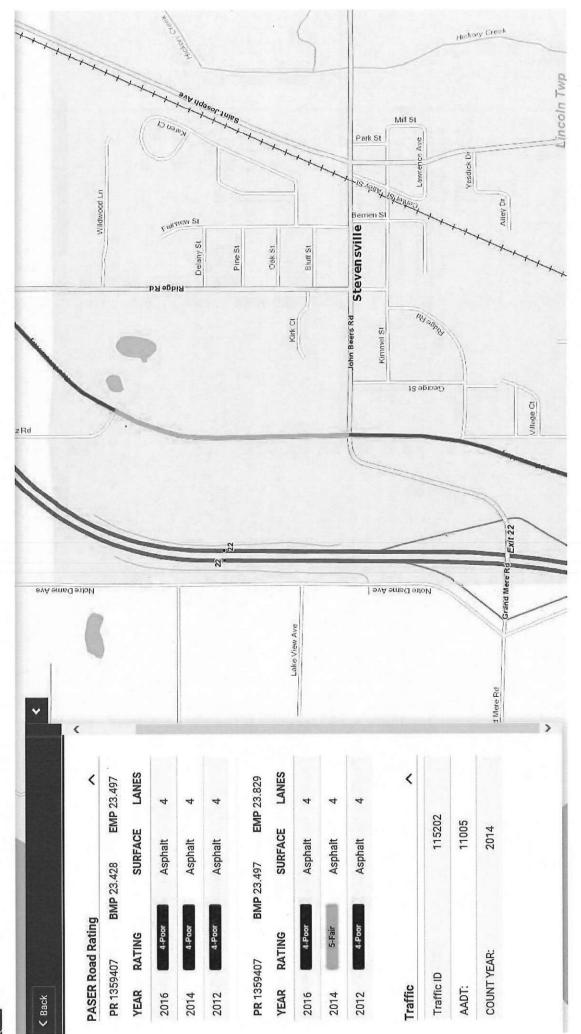
Section 4. System Pres	ervation			
2018 PASER rating (available excel file)	e as an 4			1.5
Current state of drainage	X L c		problems with s	ms ome maintenance required ing, excessive maintenance
Expected increase in Rema Service life (RSL)		0-3 years 4-6 e MDOT's <i>Guidelines</i>	$\boxed{}$ 7-9 $\boxed{}$ 10-14	
What MDOT guidelines do project conform to?	es the	Reconstruction (4R) Resurfacing, restorate Preventative Mainter	tion, and Rehabili	
Section 5. Safety				
Please list the number and (2013-2017) (see Michiga			ed project limits	over the last 5 yrs.
Total Crashes	11		an & Bicycle	0
Fatalities	0	Serious I	njuries	1
Using the attached Crash Fincluded in the project Describe any other safety improvements this project provide	s a cliw tiertese.	s sheet, please check	each safety cour	nter measure that will be
Section 6. Complete St	reets			
Does this project meet the approved in 2014?	TwinCATS Comp	olete Streets Policy,	Yes No	
If yes, Please explain what and/or bicycle improveme				
If No, please state the reas project should be exempt TwinCATS Complete Street	from the	roadway. There is	not evidence of	ometric design of the consistance pedestrian n-motorized facilities to

Does this project connect to an existing	Yes No	
pedestrian/bicycle facility or one that is		
planned to be completed from 2020-2023?	If yes, please	provide a map of the connecting facilities
Section 7. Regional Connectivity		
What is the most current daily traffic count f	for the limits	Less than 2000 2000-5000
of this project?		5000-10,000 Above 10,000
		Year of count: 2014 Source: SWMPC
National Functional Classification (NFC) for t	his roadway	Other Principal Arterial
(Berrien County NFC Map)		Other Timelpar Arterial
Does one of TCATA fixed route transit lines u		
(Only indicate yes if it carries a current route	e, not a	☐Yes ☑No
planned route).		
Section 8. Strategic Planning & Investr	nent	
Is the project identified in a Asset Managem	ent Plan,	Yes □No
or Capital Improvement Plan	If	f yes, please cite the plan and page number: CIP
		<u> 19. jako kali ili kondi. Tili ili ili ili ili ili ili ili ili il</u>
Is the project identified in another planning		Yes ⊠No
such as a master plan or parks and recreatio	n plan If	fyes, please cite the plan and page number:
	A THE WAR PERSON	
December of the control of the contr	vice) [Yes 🔀 No
Does the project cross jurisdictional boundar	riesr	
If yes, will it be bid as a single project?	L	Yes No ⊠ NA
Will this project coordinate with other infras	tructure	Yes 🔀 No
projects (i.e. utility, water, sewer, etc.)		f yes, please indicate the project type and
	C	onstruction year:
How many water main breaks have you had	at this 0	
location in the past five years?		
Is there a completed a utilities assessment the		⊻ Yes No
included televising the sewers in the project		TV MN- MN-+ Com-
Will this project require environmental mitig		Yes ∑ No Not Sure
purchase of Right of Way (ROW), or railroad	permitsr	yes, which items are required:
Does this project perform Resurfacing, Reco	nstruction	Yes ⊠ No
or Preventative Maintenance on a segment a		Vhat segment was the PREVIOUS project done
a segment where a federally-funded project		on?
during the 2017-2020 TwinCATS TIP cycle or		

Section 9. Existi	ng and Propo	sed Roa	adw	ay Design			
	nimenance set i	Exist	ing	original solven beautiful	sacratic m	Proposed	d
Number of Vehicle Lanes	Through Traffic Lanes	Center Turn Lai	ne	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking
000 01	4			☐ Yes ⊠ No	4		☐ Yes ⊠ No
Shoulder Surface Sidewalk/ path information	Paved Unpaved Placement One Side Both Sides Intermitte None		2.5	dth (ft.) ft dth (ft.)	Paved Unpaved Placement One Side Both Side Intermitte None		Width (ft.) 3 ft Width (ft.)
On road bicycle facilities Utilities, Sewer and Water	Bike Lane Sharrows Wide Shou Utilities Up Sewer and	Iders D	 ☑ No eede	ed	Bike Lane Sharrows Wide Sho Replaced Relocating	ulders 🔲 N Utilities	
Please describe and made as part of the crosswalks, signage streetscape elementary description.	is project to e or signals, or ents not discuss n	ed in		olace permanent Yes ⊠No			
Does this project of pedestrian or bial-A-Ride tran	icyclists to fixed		_	res ⊠ino es, how?		9	
Section 10. Esti	mated Projec	t Schedı	ule				

Section 10. Estimated Project Schedule	建 0.500
Activity	Estimated Date
Resolution of Support for⊠ Local Match Submitted to SWMPC	August 2020
Project Application Submitted to MOT	August 2020
Grade Inspection Package Submitted to MDOT	September 2020
Grade Inspection Meeting Scheduled	October 2020
Final Plan and Estimate to MDOT	November 2020
Right of Way (ROW) certified*	November 2020
Rail Road Permits*	N/A
Environmental Mitigation*	N/A
Project Obligated	Decebmer 2020
Project Letting	Feburary 2021
Construction Start□	April 2021
Project Completion	June 2021

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





95 West Main Street
P.O. Box 1088
Benton Harbor, MI 49023
T 269.927.2295
F 269.927.1017
www.abonmarche.com

Project Name: Red Arrow Highway Improvements (John Beers Rd to North Village Limit)

Project Number:

Prepared by: Eric Kamps, EIT

Checked by: Tim Drews, PE

Pay Item Description	Unit	Qty	Unit Price	Total
Mobilization	LSUM	1.00	\$40,000.00	\$ 40,000.00
Cold Milling HMA Surface	Syd	13,900.00	\$ 2.25	\$ 31,275.00
Dr Structure Cover, Type	Ea	6.00	\$ 640.00	\$ 3,840.00
Dr Structure Cover, Adj. Case 1	Ea	6.00	\$ 490.00	\$ 2,940.00
Dr Structure, Temp Lowering	Ea	6.00	\$ 325.00	\$ 1,950.00
Pavt for Butt Joints, Rem	Syd	110.00	\$ 5.50	\$ 605.00
Pavt, Cleaning	LSUM	1.00	\$ 5,000.00	\$ 5,000.00
HMA, 5E1	Ton	1,620.00	\$ 85.00	\$ 137,700.00
HMA, 4E1	Ton	810.00	\$ 80.00	\$ 64,800.00
HMA Approach	Ton	75.00	\$ 110.00	\$ 8,250.00
Hand Patching	Ton	25.00	\$ 160.00	\$ 4,000.00
Shoulder, Cl I, 3 inch	Syd	850.00	\$ 5.50	\$ 4,675.00
Geosynthetic Paving Fabric, Composite	Syd	13,900.00	\$ 5.50	\$ 76,450.00
Pavt Mrkg, Polyurea, 4 inch, White	Ft	6,250.00	\$ 1.50	\$ 9,375.00
Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	5,000.00	\$ 1.50	\$ 7,500.00
Traffic Control	LSUM	1.00	\$40,000.00	\$ 40,000.00

Construction:	\$438,360.00
Contingency (15%):	\$ 66,000.00
Construction Subtotal:	\$504,360.00
Engineering/Administration (15%):	\$ 66,000.00
Total:	\$570,360.00

Roadway: 2500 ft long by 47.5 ft wide

Remove 10 ft from each end of project and driveway/intersections for butt joints

2 inch top course with 1 inch scratch course (for paving fabric)

3 ft wide shoulder along west side where possible



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wou wou	Roadway Segment - N. Red Arrow Highway	d Arrow Highway			
Red Arrow Hwy Puetz Rd 15'S Rear End O C Cloudy Red Arrow Hwy John Beers Rd 1000'N Oither/Unknown O C Snow/Blowing Snow Red Arrow Hwy Puetz Rd 225'N Rear End O Cloudy Red Arrow Hwy Puetz Rd 5'S Angle Motor Vehicle O Cloudy Red Arrow Hwy Puetz Rd 1320'S Single Motor Vehicle O Clear Red Arrow Hwy John Beers Rd 100'N Single Motor Vehicle O Clear Red Arrow Hwy Puetz Rd 5'S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 5'S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 5'S Rear End-Left Turn O O Clear	rash Type Ur	Weather	Light Road	Road Surface Condition	Description
Red Arrow Hwy John Beers Rd 1000' N Other/Unknown O C Snow/Blowing Snow Red Arrow Hwy Ridge Rd 1000' S Single Motor Vehicle O - Snow/Blowing Snow Red Arrow Hwy Puetz Rd 5' S Angle B O Cloudy Red Arrow Hwy Puetz Rd 1320' S Single Motor Vehicle O - Clear Red Arrow Hwy John Beers Rd 100' N Single Motor Vehicle O - Clear Red Arrow Hwy Puetz Rd 5' S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 5' S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 50' S Rear End-Left Turn O O Clear	0	Cloudy	Daylight	Dry	Vehicle 1 was waiting to make left turn, Vehicle 2 could not stop and struck Vehicle 1
Red Arrow Hwy Ridge Rd 1000'S Single Motor Vehicle O - SnowBlowing Snow Red Arrow Hwy Puetz Rd 225'N Rear End O O Cloudy Red Arrow Hwy Puetz Rd 5'S Angle Motor Vehicle O - Cloudy Red Arrow Hwy Puetz Rd 100'N Single Motor Vehicle O - Clear Red Arrow Hwy Puetz Rd 5'S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 50'S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 50'S Rear End-Left Turn O O Clear	O	Snow/Blowing Snow	Daylight	lcy	Vehicle 1 lost control, and crossed the centerline and collide with vehicle 2, causing Vehicle 2 to collide with Vehicle 3
Red Arrow Hwy Puetz Rd 225'N Rear End O O Cloudy Red Arrow Hwy Puetz Rd 5'S Angle B O Cloudy Red Arrow Hwy Puetz Rd 1320'S Single Motor Vehicle O - Clear Red Arrow Hwy John Beers Rd 100'N Single Motor Vehicle O - Clear Red Arrow Hwy Puetz Rd 5'S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 50'S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 50'S Rear End-Left Turn O O Clear	Motor Vehicle 0	Snow/Blowing Snow	Dusk	lcy	Vehicle 1 lost control and slid off the roadway
Red Arrow Hwy Puetz Rd 5' S Angle Motor Vehicle B O Cloudy Red Arrow Hwy Puetz Rd 1320' S Single Motor Vehicle O - Clear Red Arrow Hwy Puetz Rd 5' S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 50' S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 200' N Sideswipe-Opposite O O Clear	tear End 0	Cloudy	Daylight	Dry	Vehicle 2 was waiting to make left turn, Vehicle 1 could not stop and struck Vehicle 2
Red Arrow Hwy Puetz Rd 1320'S Single Motor Vehicle O - Clear Red Arrow Hwy John Beers Rd 100'N Single Motor Vehicle O - Clear Red Arrow Hwy Puetz Rd 5'S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 50'S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 200'N Sideswipe-Opposite O O Clear	ω	Cloudy	Dusk	Wet	Vehide 2 turned north onto Red Arrow Hwy and did not see Vehide 1, causing Vehide 1 to strike Vehide 2
Red Arrow Hwy John Beers Rd 100' N Single Motor Vehicle O - Clear Red Arrow Hwy Puetz Rd 5' S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 50' S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 200' N Sideswipe-Opposite O O Clear	Motor Vehicle		Dark-Lighted	Dry	Vehicle 1 struck deer in roadway
Red Arrow Hwy Puetz Rd 5' S Other/Unknown C O Clear Red Arrow Hwy Puetz Rd 50' S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 200' N Sideswipe-Opposite O O O Clear	Motor Vehicle O		Dark-Unlighted	Dry	Vehicle 1 struck deer in roadway
Red Arrow Hwy Puetz Rd 50' S Rear End-Left Turn O O Clear Red Arrow Hwy Puetz Rd 200' N Sideswipe-Opposite O O O Clear	er/Unknown C		Daylight	Dry	Vehicle 1 made a left turn onto Puetz Rd and didn't see Vehicle 2, causing him to strike Vehicle 2
Red Arrow Hwy Puetz Rd 200' N Sideswipe-Opposite O O Clear	End-Left Tum 0	Clear	Daylight	Dry	Vehicle 1 was stopped attempting to make left turn, Vehicle 2 tried to change lanes but struck the rear of Vehicle 1
	o		Dark-Lighted	Dry	Vehicle 1 was south bound and Vehicle 2 was north bound when one vehicle crossed the center line and the sideswipe occurred
11/15/2017 Red Arrow Hwy John Beers Rd 2640' N Single Motor Vehicle O - Clear Dark-Units	Motor Vehicle O		Dark-Unlighted	Dry	Vehicle 1 struck deer in roadway

2	Roadway Segment	ent
Intersecting Road	Count	Percentage
Puetz Rd	7	64%
John Beers Rd	က	27%
Ridge Rd	1	%6

The crash analysis indicates that none of the crashes meet requirements for safety counter measures and Crash Reduction Factors per HSIP.

TwinCATS 2020-2023 Road Project Prioritization System

Project Name: Red Arrow Huy. Agency: Village of Stevensville)

Proposed Year: 2021 Total Points: 28

Criteria	Points	
System Preservation	18 points max	
a. Most recent PASER rating	4 65	
3-4	10	10
5-6	8	
1-2	5	
b. Extension of Remaining Service Life (RSL) based on MDOT Geometric Guidelines		
Extends RSL by 15 years or more (4R project)	8	
Extends RSL by 10-14 years (3R Project)	6	6
Extends RSL by 5-9 years (Preventative Maintenance)	, 4	
Extends RSL by 2-4 years (Preventative Maintenance)	2	
Safety	7 points max	
a. Expected Crash Reduction - Based on MDOT approved Crash Reduction Factors		
50% or greater	5	
40%-49.9%	4	
30% - 39.9%	3	
20% - 29.9%	2	
10% - 19.9%	1	
Less than 10%	0	0
b. Addressing High Crash Locations.	6	
Number of crashes is 20% higher than MPO median (4 or more)	2	2
Number of crashes are within 20% of MPO median (2-3)	1	
Number of crashes is lower than 20% of the MPO median (0-1)	0	
Non-motorized Transportation / Complete Streets	6 points max	
a. Follows the Complete Streets Policy	4	
b. Pedestrian and bicycle elements of the project connect to existing bicycle and pedestrian facilities or those that can reasonably expect to be completed between 2019 and 2023.	2	

Criteria	Points	
Regional Connectivity	10 points max	
a. Average daily traffic (ADT) based on most recent traffic count		
ADT is 10,000 or more	5	5
ADT is 5,000 – 9,999	4	
ADT is 2,000 – 4,999	3	
ADT is less than 2,000	0	
b. Functional Classification of the Road		
Principal Arterial	3	
Minor Arterial	2	2
Major Collector	1	
Minor Collector	0	
c. Fixed route transit (TCATA Red or Blue line) uses the road	2	
Strategic Investment/ Project Planning	11 points max	
a. Project is identified in an Asset Management or Capital Improvement Plan	(3)	3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan	1	
c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project.	1	
d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding.	2	
e. Additional Local Match		
Agency will proved 40% or more local match	4	
Agency will provide 30% to 39.9% local match	2	
Note: An 18.15% local match is the minimum required		
Project Readiness (no points)	Yes	
Coordination with sewer or other infrastructure (no points)	Yes	
Total Score (out of 52)	28	



Agency Name

Section 1. Applicant Information

Twin Cities Area Transportation Study 2020-2023 Transportation Improvement Program (TIP) Federal Surface Transportation Block Grant Funds Project Application

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Village of Stevenville

	Village of ott	sverivine					
Contact Name	Steve Slavice	ek	Title	Village Preside	ent		
Phone Number	(269) 429-18	302	Email	steveslavicek(@hotmail.com		
		ACT CONTRACTOR					
Section 2. Project	ct Informatio	n			五世 电电路 医二种		
Project Name/Road	d Name	Red Arrow High	way				
Project Limits (e.g. Napier Ave. to	Britain Ave.)	John Beers Rd t	o 1,250 ft south of	Johnson Rd			
Project Length (nea		.72 Mile	Proposed	Year of Funding	2021		
Primary Work Type		☐ Reconstruct ☒ Restore & Rehabilitate ☐ Roadside Facility ☐ Resurface ☐ Traffic Operations/Safety ☐ Other					
Project Description Please provide major work tems including sidewalks, utility work, ADA upgrades etc.) Was this project awarded funding for the 2017-2020 TIP, but was either canceled or faile		The plan for the project is to mill the existing surface down to a depth of 3", place a 1" scratch course of asphalt with a geosynthetic paving fabric, and pave the roadway with 2" of hot mix asphalt. Yes No If yes, please explain:					
but was either cand to be obligated	celed or failed	VENTON CHES					
Saction 2 Project	t Funding						
Section 3. Project	it runuing						
Federal Funding Re	quested		\$ 656,725.00				
Local Match (18.15	% minimum)		\$ 145,650.00				
Total			\$ 802,375.00				
Local Match Percer	ntage (local ma	tch/total cost)	18.15%				

☐ Yes ⊠ No

\$

Maximum Dollar Amount you can AC?

Does your agency have the financial capacity to

necessary? If yes, what is the maximum dollar

amount your agency is willing to Advance

Construct (AC)?

Advance Construct (AC) all or part of this project if

Section 4. System Pres	ection 4. System Preservation								
2018 PASER rating (availib excel file)	e as an 3								
Current state of drainage		Occasiona	l drainage	V	ns ome maintenance required ng, excessive maintenance				
Expected increase in Rema Service life (RSL)		□ 0-3 years □ 4-6 □ 7-9 ☑ 10-14 □ 15-20 Use MDOT's <u>Guidelines for Geometrics on Local Projects</u>							
What MDOT guidelines do project conform to?	es the	Reconstruc	tion (4R) g, restorat	ion, and Rehabili	0				
Continue E Cofoto			V Star						
Section 5. Safety Please list the number and (2013-2017) (see Michigan				ed project limits	over the last 5 yrs.				
Total Crashes	20	×	Pedestria Crashes	an & Bicycle	0				
Fatalities	0		Serious Injuries		2				
Using the attached Crash Reduction Factors sheet, please check each safety counter measure that will be included in the project Describe any other safety improvements this project will provide									
Section 6. Complete Streets									
Does this project meet the approved in 2014?		plete Streets	s Policy,	☐ Yes ⊠ No)				
If yes, Please explain what and/or bicycle improveme		d							
If No, please state the reas project should be exempt TwinCATS Complete Street	from the	roadway	. There is oat trails)	no evidence of c	ometric design of the onsistance pedestrian n-motorized facilities to				

Does this project connect to an existing pedestrian/bicycle facility or one that is	☐Yes ⊠No	0
planned to be completed from 2020-2023?	If yes, please	e provide a map of the connecting facilities
Section 7. Regional Connectivity		
What is the most current daily traffic count for of this project?	or the limits	□ Less than 2000 □ 2000-5000 □ 5000-10,000 □ Above 10,000 Year of count: 2014 Source: SWMPC
National Functional Classification (NFC) for the (Berrien County NFC Map)	nis roadway	Minor Arterial
Does one of <u>TCATA fixed route transit lines</u> us (Only indicate yes if it carries a current route, planned route).		☐Yes ⊠No
Section 8. Strategic Planning & Investm	nent	
Is the project identified in a Asset Manageme		∑Yes
or Capital Improvement Plan	l:	f yes, please cite the plan and page number: CIP
Is the project identified in another planning of	documents	Yes No
such as a master plan or parks and recreation	n plan li	f yes, please cite the plan and page number:
Does the project cross jurisdictional boundar	ies?	Yes 🔀 No
If yes, will it be bid as a single project?		Yes No NA
Will this project coordinate with other infrast	tructure [Yes 🔀 No
projects (i.e. utility, water, sewer, etc.)		f yes, please indicate the project type and construction year:
How many water main breaks have you had a location in the past five years?	at this C	
Is there a completed a utilities assessment th	iat	Yes □ No
included televising the sewers in the project	area?	similar and the same
Will this project require environmental mitigate purchase of Right of Way (ROW), or railroad		Yes ∑ No Not Sure f yes, which items are required:
Does this project perform Resurfacing, Recor	nstruction,	Yes No
or Preventative Maintenance on a segment a		What segment was the PREVIOUS project done
a segment where a federally-funded project		on?
during the 2017-2020 TwinCATS TIP cycle or 1	RTF cycle?	

section 9. Existing and Proposed Roadway Design								
	mits connes entil I	Exist	ing	min hat him you't		YELDON SERVICE	Proposed	
Number of Vehicle Lanes	Through Traffic Lanes	Center Turn La	On Street ne Parking			hrough raffic Lanes	Center Turn Lane	On Street Parking
9,000,0	4			☐ Yes ⊠ No	4			☐ Yes ⊠ No
Shoulder Surface	Paved Unpaved		Width (ft.)		Paved Unpaved		Width (ft.) 3 ft	
Sidewalk/ path information	Placement One Side Both Sides Intermitte None		Wi	dth (ft.)		Placement ☐ One Side ☐ Both Sides ☐ Intermitte ☑ None		Width (ft.)
facilities Sharrows				☐ Sharrows ☐ Wide Shoulders ☐ None			er (specify)	
Utilities, Sewer Utilities Upgrades Nand Water Sewer and water w								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				olace permanent	sig	ns and updat	e pavement	markings.
Does this project of pedestrian or b or Dial-A-Ride tra			Yes ⊠No es, how?					
Section 10. Esti	mated Projec	t Sched	ule					
Activity						Es	stimated Date	9
Resolution of Sup	•		ubm	itted to SWMPC			ugust 2020	
Project Applicatio			D.C.T	8			ugust 2020	20
Grade Inspection	Package Submit	ted to M	IDOT September 2020					20

Grade Inspection Meeting Scheduled

Final Plan and Estimate to MDOT

Right of Way (ROW) certified*

Environmental Mitigation*

Rail Road Permits*

Project Obligated

Construction Start □

Project Completion

Project Letting

October 2020

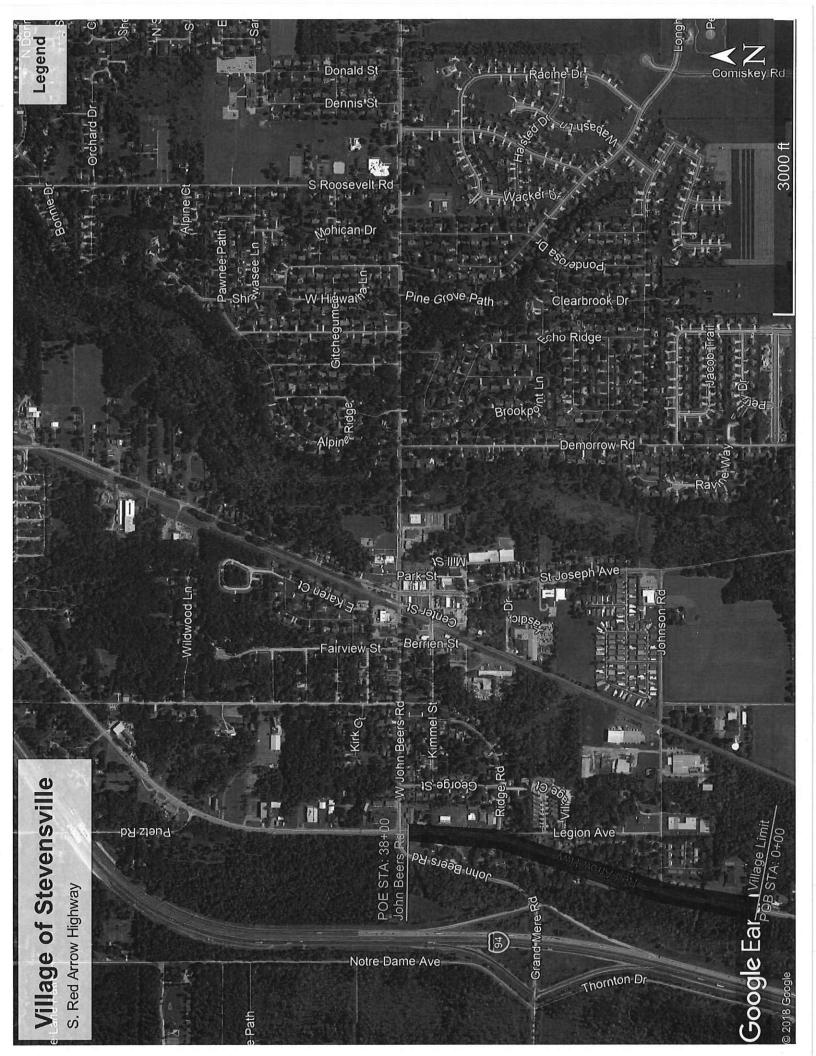
N/A N/A

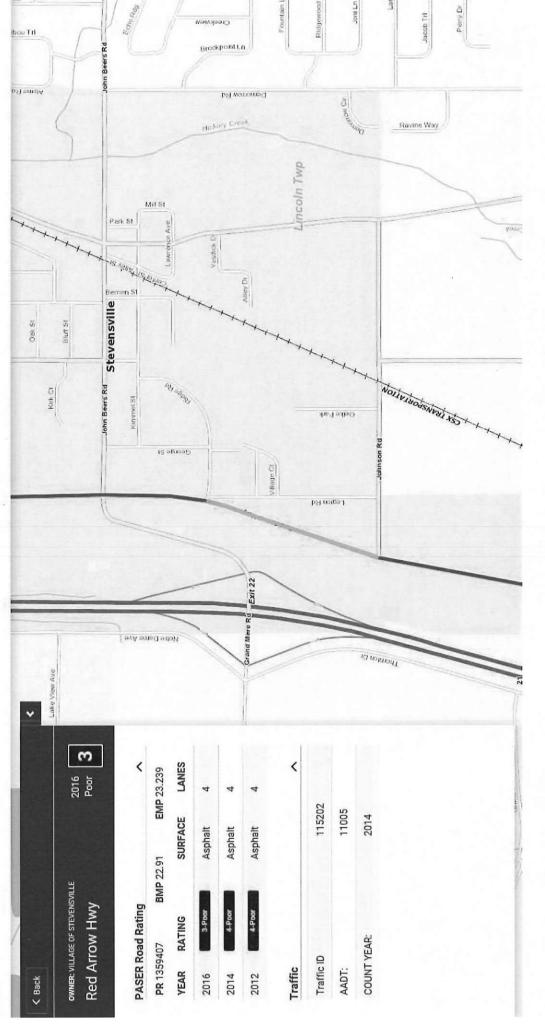
November 2020 November 2020

December 2020 February 2021

April 2021 June 2021

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









95 West Main Street P.O. Box 1088 Benton Harbor, MI 49023 T 269.927.2295 F 269.927.1017 www.abonmarche.com

Project Name: Red Arrow Highway Improvements (South Village Limit to John Beers Rd)

Project Number:

Prepared by: Eric Kamps, EIT

Checked by: Tim Drews, PE

Pay Item Description	Unit	Qty	Unit Price	Total
Mobilization	LSUM	1.00	\$64,000.00	\$ 64,000.00
Cold Milling HMA Surface	Syd	23,300.00	\$ 2.25	\$ 52,425.00
Dr Structure Cover, Type	Ea	8.00	\$ 640.00	\$ 5,120.00
Dr Structure Cover, Adj. Case 1	Ea	8.00	\$ 490.00	\$ 3,920.00
Dr Structure, Temp Lowering	Ea	8.00	\$ 325.00	\$ 2,600.00
Pavt for Butt Joints, Rem	Syd	120.00	\$ 5.50	\$ 660.00
Pavt, Cleaning	LSUM	1.00	\$ 7,500.00	\$ 7,500.00
HMA, 5E1	Ton	2,700.00	\$ 85.00	\$229,500.00
HMA, 4E1	Ton	1,350.00	\$ 80.00	\$ 108,000.00
HMA Approach	Ton	100.00	\$ 110.00	\$ 11,000.00
Hand Patching	Ton	25.00	\$ 160.00	\$ 4,000.00
Shoulder, CI I, 3 inch	Syd	2,700.00	\$ 5.50	\$ 14,850.00
Geosynthetic Paving Fabric, Composite	Syd	23,300.00	\$ 5.50	\$ 128,150.00
Pavt Mrkg, Polyurea, 4 inch, White	Ft	9,500.00	\$ 1.50	\$ 14,250.00
Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	7,600.00	\$ 1.50	\$ 11,400.00
Traffic Control	LSUM	1.00	\$40,000.00	\$ 40,000.00

	\$697,375.00
Contingency (15%):	\$105,000.00
Construction Subtotal:	\$802,375.00
Engineering/Administration (15%):	
Total:	\$907,375.00

Roadway: 3800 ft long by 50 ft wide

Remove 10 ft from each end of project and driveway/intersections for butt joints

2 inch top course with 1 inch scratch course (for paving fabric)

3 ft wide shoulder along both sides where possible



Year Primary Road 1/22/2013 Red Arrow Hwy 7/20/2013 Red Arrow Hwy 8/22/2013 Red Arrow Hwy 11/6/2013 Red Arrow Hwy	Primary Road	Intersecting Road	Distance	Court door					X	Contraction
	1		Common	Clasii iybe	Unit 1 Injury	Unit 2 Injury	Weather	Light	Road Surface Condition	Description
	ow Hwy	Johnson Rd	10. N	Angle	0	٨	Snow/Blowing Snow	Daylight	Snowy	Vehicle 1 pulled into the path of Vehicle 2 causing the vehicles to collide
201 0100	Red Arrow Hwy	Defay Rd	3200' N	Single Motor Vehicle	0		Clear	Daylight	Dry	Vehicle pulling trailer lost control, trailer flipped over
	Red Arrow Hwy	Johnson Rd	20. N	Rear End	0	0	Rain	Daylight	Wet	Vehicle 2 was stopped to make left tum, Vehicle 1 struck them
The state of the s	Red Arrow Hwy	John Beers Rd	1000' S	Other/Unknown	0	0	Rain	Daylight	Wet	Vehicle 2 struck trash container that had come loose from Vehicle 1
11/25/2013 Red Arr	Red Arrow Hwy	Ridge Rd	150' S	Sideswipe-Opposite	0	0	Snow/Blowing Snow	Dark-Lighted	lcy	Vehicle 1 lost control on icy road and struck Vehicle 2
11/26/2013 Red Arr	Red Arrow Hwy	John Beers Rd	2640' S	Angle	0	0	Clear	Dark-Lighted	Dry	Vehicle 1 pulled into the path of Vehicle 2 causing the vehicles to collide
10/29/2014 Red Arr	Red Arrow Hwy	Johnson Rd	100'S	Single Motor Vehicle	0	-	Cloudy	Dark-Unlighted	Dry	Vehicle 1 struck deer in roadway
1/16/2015 Red Arr	Red Arrow Hwy	Defay Rd	1728' N	Other/Unknown	0		Cloudy	Dark-Unlighted	Wet	Vehicle 1 struck deer in roadway
3/25/2015 Red Arr	Red Arrow Hwy	John Beers Rd	528' S	Angle	٧	ပ	Clear	Daylight	Wet	Vehicle 2 pulled into the path of Vehicle 1 causing the vehicles to collide
11/16/2015 Red Arr	Red Arrow Hwy	Ridge Rd	2640' S	Single Motor Vehicle	0		Clear	Dark-Lighted	Dry	Vehicle 1 struck deer in roadway
2/24/2016 Red Arr	Red Arrow Hwy	Johnson Rd	1320' S	Single Motor Vehicle	0	1	Clear	Dark-Unlighted	Dry	Vehicle 1 struck deer in roadway
	Red Arrow Hwy	Johnson Rd	20' N	Rear End	0	О	Clear	Daylight	Dry	Vehicle 2 was stopped to make left turn, Vehicle 1 struck them
5/6/2016 Red Arr	Red Arrow Hwy	Johnson Rd	200' S	Sideswipe-Same	0	0	Clear	Dark-Unlighted	Dry	Vehicle 1 tried to changes lanes into right lane and collided with Vehicle 2
11/18/2016 Red Arr	Red Arrow Hwy	Johnson Rd	100' S	Single Motor Vehicle	0	1	Cloudy	Dark-Unlighted	ÇIQ	Vehicle 1 struck a tree that had fallen into the roadway
11/21/2016 Red Arr	Red Arrow Hwy	Johnson Rd	1000' S	Other	В	o	Clear	Dark-Lighted	۲۰۵	Vehicle 2 struck a deer in roadway, Vehicle 1 was following Vehicle 2 and was unable to stop
12/7/2016 Red Arr	Red Arrow Hwy	Johnson Rd	1000'S	Rear End	0	o	Cloudy	Dark-Lighted	Dry	Vehicle 1 was stopped to make left turn, Vehicle 2 struck them
12/22/2016 Red Arr	Red Arrow Hwy	Johnson Rd	1320' S	Rear End-Left Turn	0	0	Cloudy	Dusk	Wet	Vehicle 2 was stopped to make left turn, Vehicle 1 struck them
7/23/2017 Red Arr	Red Arrow Hwy	John Beers Rd	8,009	Single Motor Vehicle	0	1	Clear	Dark-Lighted	Dry	Vehicle 1 struck something in the roadway
_	Red Arrow Hwy	Defay Rd	1800' N	Single Motor Vehicle	0		Clear	Dark-Unlighted	Dry	Vehicle 1 struck deer in roadway
10/25/2017 Red Arr	Red Arrow Hwy	Johnson Rd	1320' S	Rear End	0	0	Clear	Daylight	Dny	Vehicle 1 was following Vehicle 2 and was unable to stop

	The second secon	Percentage	35%	20%	15%	10%	2%	2%	2%	2%
	ay Segment	Count	7	4	ဇ	2	-	1	-	1
0	Roadw	Crash Type	Single Motor Vehicle	Rear End	Angle	Other/Unknown	Sideswipe-Same	Sideswipe-Opposite	. Other	Rear End - Left Turn

Y	Todoway Segment	
ntersecting Road	Count	Percentage
Defay Rd	က	15%
Johnson Rd	11	22%
Ridge Rd	2	10%
John Beers Rd	4	20%

The crash analysis indicates that none of the crashes meet requirements for safety counter measures and Crash Reduction Factors per HSIP.

11/30/2018 Page 1 of 4

TwinCATS 2020-2023 Road Project Prioritization System

Project Name: John Beers Road Agency: Village of Stevenswill

Proposed Year: 2021 Total Points: 33

Criteria	Points	
System Preservation	18 points max	
a. Most recent PASER rating	li Palisiafina	
3-4	10	10
5-6	8	
1-2	5	
b. Extension of Remaining Service Life (RSL) based on MDOT Geometric Guidelines	111,111	
Extends RSL by 15 years or more (4R project)	8	8
Extends RSL by 10-14 years (3R Project)	6	
Extends RSL by 5-9 years (Preventative Maintenance)	4	
Extends RSL by 2-4 years (Preventative Maintenance)	2 .	
Safety	7 points max	
a. Expected Crash Reduction - Based on MDOT approved Crash Reduction Factors		
50% or greater	5	
40%-49.9%	4	
30% - 39.9%	3	
20% - 29.9%	2	
10% - 19.9%	1	
Less than 10%	0	8
b. Addressing High Crash Locations.	The second	
Number of crashes is 20% higher than MPO median (4 or more)	2	
Number of crashes are within 20% of MPO median (2-3)	1	1
Number of crashes is lower than 20% of the MPO median (0-1)	0	
Non-motorized Transportation / Complete Streets	6 points max	
a. Follows the Complete Streets Policy	4	4
b. Pedestrian and bicycle elements of the project connect to existing bicycle and pedestrian facilities or those that can reasonably expect to be completed between 2019 and 2023.	(2)	Z

Criteria	Points	
Regional Connectivity	10 points max	
a. Average daily traffic (ADT) based on most recent traffic count		
ADT is 10,000 or more	5	
ADT is 5,000 – 9,999	4	
ADT is 2,000 – 4,999	3	3
ADT is less than 2,000	0	
b. Functional Classification of the Road		
Principal Arterial	3	
Minor Arterial	2	1
Major Collector	1	
Minor Collector	0	
c. Fixed route transit (TCATA Red or Blue line) uses the road	2	
Strategic Investment/ Project Planning	11 points max	
a. Project is identified in an Asset Management or Capital Improvement Plan	(3)	->
a. Project is racitative in an risset management of capital improvement	(3)	3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan	1	5
b. Project is identified as a priority in another planning document such as a master plan		5
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation planc. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such	1	3
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or 	1	3
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. 	1	
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match 	1 1 2	
 b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match 	1 1 2	
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match	1 1 2	
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project. d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding. e. Additional Local Match Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match Note: An 18.15% local match is the minimum required	1 1 2 4 2	3



Twin Cities Area Transportation Study 2020-2023 Transportation Improvement Program (TIP) Federal Surface Transportation Block Grant Funds Project Application

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

Section 1. Appli	cant Information		
Agency Name	Village of Stevenville		
Contact Name	Steve Slavicek	Title	Village President
Phone Number	(269) 429-1802	Email	steveslavicek@hotmail.com

Section 2. Project Information	n				
Project Name/Road Name	John Beers Rd				
Project Limits	St. Joseph Ave to Red Arrow Highway				
(e.g. Napier Ave. to Britain Ave.)					
Project Length (nearest	.43 Mile Proposed Year of Funding 2021				
hundredth of a mile)	.45 Wille	Froposed real of Fullding	2021		
Primary Work Type	☐ Reconstruct ☐ Restore & Rehabilitate ☐ Roadside Facility				
Primary Work Type	☐ Resurface ☐ Traffic Operations/Safety ☐ Other				
Project Description	The plan for the project is to remove the existing asphalt roadway, curb				
(Please provide major work	and gutter, and sidewa	lk along the south side of the	roadway. The		
items including sidewalks, utility	proposed roadway will	be 29 ft wide with curb and	gutter. 6 ft sidewalks		
work, ADA upgrades etc.)	will be placed on both	sides of roadway behind the	curb and gutter.		
Was this project awarded	Yes No If yes, please explain:				
funding for the 2017-2020 TIP,					
but was either canceled or failed					
to be obligated					

Section 3. Project Funding	
Federal Funding Requested	\$ 792,227.50
Local Match (18.15% minimum)	\$ 175,675.00
Total	\$ 967,902.50
Local Match Percentage (local match/total cost)	18.15%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	☐ Yes ☒ No Maximum Dollar Amount you can AC? \$

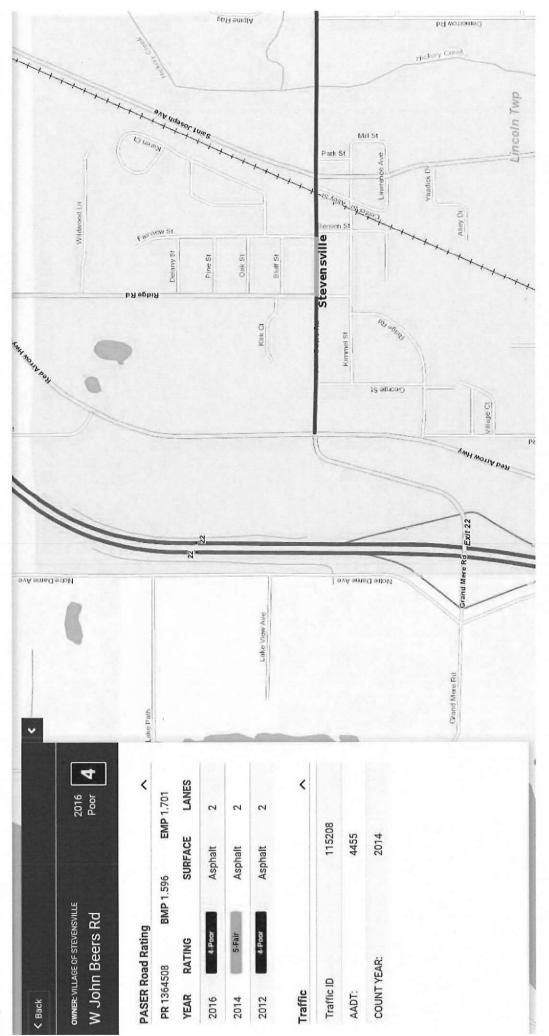
Section 4. System Pres	ervation				
2018 PASER rating (availibre excel file)	e as an 4		-	No.,	
Current state of drainage			problems with	ems some maintenance required ding, excessive maintenance	
Expected increase in Rema Service life (RSL)	aining (0-3 years		14 \(\sum 15-20\)	
What MDOT guidelines do project conform to?	es the 🔲 F	Use MDOT's <u>Guidelines for Geometrics on Local Projects</u> ⊠ Reconstruction (4R) □ Resurfacing, restoration, and Rehabilitation (3R) □ Preventative Maintenance (PM)			
Section 5. Safety					
Please list the number and	I severity of crashe an Crash Facts for		ed project limit	s over the last 5 yrs.	
Total Crashes	9		an & Bicycle	0	
Fatalities	0	Serious Injuries		0	
Using the attached Crash Fincluded in the project Describe any other safety improvements this project provide	s ablanta	sheet, please check	each safety cou	unter measure that will be	
Section 6. Complete St	reets		表示文字		
Does this project meet the approved in 2014?	5条。10年10日,10年11日	ete Streets Policy,	⊠ Yes □ I	No	
If yes, Please explain what and/or bicycle improveme				oncrete sidewalks are Il also be constructed.	
If No, please state the reas project should be exempt TwinCATS Complete Street	from the	,			
Does this project connect pedestrian/bicycle facility planned to be completed f	or one that is	Yes No	ide a map of the	e connecting facilities	

Section 7. Regional Connectivity	
What is the most current daily traffic count for the limits of this project?	Less than 2000 2000-5000 5000-10,000 Above 10,000 Year of count: 2014 Source: SWMPC
National Functional Classification (NFC) for this roadway (Berrien County NFC Map)	Minor Arterial
Does one of <u>TCATA fixed route transit lines</u> use the road (Only indicate yes if it carries a current route, not a planned route).	? ☐Yes ⊠No
Section 8. Strategic Planning & Investment	
Is the project identified in a Asset Management Plan, or Capital Improvement Plan	∑Yes No If yes, please cite the plan and page number: CIP
Is the project identified in another planning documents such as a master plan or parks and recreation plan	☐Yes ☑No If yes, please cite the plan and page number:
Does the project cross jurisdictional boundaries?	Yes No
If yes, will it be bid as a single project?	Yes No NA
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?	0
Is there a completed a utilities assessment that included televising the sewers in the project area?	∑ Yes ☐ No
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 Permit
Does this project perform Resurfacing, Reconstruction, or Preventative Maintenance on a segment adjacent to a segment where a federally-funded project was done during the 2017-2020 TwinCATS TIP cycle or RTF cycle?	Yes No What segment was the PREVIOUS project done on?

Section 9. Existing and Proposed Roadway Design									
	s propried con	Exist	ing		Proposed				
Number of	Through	Center		On Street	T	hrough	Center	On Street	
Vehicle Lanes	Traffic Lanes	Turn La	ne	Parking	T	raffic Lanes	Turn Lane	Parking	
		la Series e							
	2			☐ Yes ⊠ No	2			☐ Yes ⊠ No	
Shoulder	□ Paved		Wie	dth (ft.)	D	Paved		Width (ft.)	
Surface	Unpaved		3.5			Unpaved		3.5	
Sidewalk/ path	Placement		Wie	dth (ft.)	P	lacement		Width (ft.)	
information	One Side		6			One Side		6	
	Both Sides					Both Sides			
an and	Intermitte	nt				_ Intermitte	nt		
	None			, ,,,,	<u> </u>	None		(:()	
On road bicycle					er (specify)				
facilities	Sharrows Wide Shou		None		Sharrows None			000	
Litilities Course	Utilities Up			-3-0/a	Replaced Utilities				
Utilities, Sewer and Water	Sewer and				-	Relocating			
and water		water wc	Sewer and Water Line Wo			Nork			
Please describe ar	l v improvemen	s being	Ret	olace permanent	sig				
made as part of th	The contract of the contract o	.s semig	'``	orace permanent	. 5.6	in arra apara	рамонном		
crosswalks, signag									
streetscape eleme		ed in							
project description									
Does this project of	enhance connec	tivity		Yes 🛛 No					
of pedestrian or b	icyclists to fixed	route	If y	es, how?					
or Dial-A-Ride trar	nsit?	ALE !							

Section 10. Estimated Project Schedule	
Activity	Estimated Date
Resolution of Support for⊠ Local Match Submitted to SWMPC	August 2020
Project Application Submitted to MOT	August 2020
Grade Inspection Package Submitted to MDOT	Spetember 2020
Grade Inspection Meeting Scheduled	October 2020
Final Plan and Estimate to MDOT	November 2020
Right of Way (ROW) certified*	November 2020
Rail Road Permits*	November 2020
Environmental Mitigation*	N/A
Project Obligated	December 2020
Project Letting	February 2021
Construction Start□	April 2021
Project Completion	July 2021

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





95 West Main Street P.O. Box 1088 Benton Harbor, MI 49023 T 269.927.2295 F 269.927.1017 www.abonmarche.com

Project Name: John Beers Road Reconstruction (St. Joseph St to Red Arrow Hwy)

Project Number:

Prepared by: Eric Kamps, EIT

Checked by: Tim Drews, PE

Pay Item Description	Unit	Qty	Unit Price	Tota	al
Mobilization	LSUM	1.00	\$75,000.00	\$	75,000.00
Pavt, Rem	Syd	8,750.00	\$ 7.75	\$	67,812.50
Curb and Gutter, Rem	Ft	4,500.00	\$ 8.75	\$	39,375.00
Sidewalk, Rem	Syd	1,250.00	\$ 9.50	\$	11,875.00
Dr Structure Cover, Type	Ea	18.00	\$ 640.00	\$	11,520.00
Dr Structure Cover, Adj. Case 1	Ea	18.00		\$	8,820.00
Subbase, CIP	Cyd	2,750.00	\$ 11.00	\$	30,250.00
Aggregate Base, 8 inch	Syd	8,250.00	\$ 8.75	\$	72,187.50
HMA, 5E1	Ton	850.00	\$ 85.00	\$	72,250.00
HMA, 4E1	Ton	850.00	\$ 80.00	\$	68,000.00
HMA Approach	Ton	110.00		\$	12,100.00
Hand Patching	Ton	25.00	\$ 160.00	\$	4,000.00
Sidewalk, Conc, 4 inch	Sft	22,500.00		\$	112,500.00
Sidewalk, Conc, 6 inch	Sft	4,500.00	\$ 6.75	\$	30,375.00
Sidewalk Ramp, Conc, 6 inch	Sft	750.00	\$ 8.25	\$	6,187.50
Detectable Warning Surface	Ft	60.00	\$ 82.00	\$	4,920.00
Curb and Gutter, Conc, Det	Ft	4,500.00		\$	83,250.00
Pavt Mrkg, Polyurea, 4 inch, White	Ft	4,550.00	\$ 1.50	\$	6,825.00
Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	4,500.00	\$ 1.50	\$	6,750.00
Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	Ea	1.00	\$ 220.00	\$	220.00
Pavt Mrkg, Ovly Cold Plastic, Thru and Lt Turn Arrow Sym	Ea	1.00	\$ 300.00	\$	300.00
Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike	Ea	9.00	\$ 125.00	\$	1,125.00
Pavt Mrkg, Ovly Cold Plastic, Bike	Ea	9.00	\$ 140.00	\$	1,260.00
Segmental Retaining Wall	Syd	100.00	\$ 440.00	\$	44,000.00
Traffic Control	LSUM	1.00	\$50,000.00	\$	50,000.00
Railroad Permit/Training	LSUM	1.00	\$20,000.00	\$	20,000.00

Construction:	\$ 840,902.50
Contingency (15%):	\$ 127,000.00
Construction Subtotal:	\$ 967,902.50
Engineering/Administration (15%):	\$ 127,000.00
Total:	\$ 1,094,902.50

Roadway: 2250 ft long by 30 ft wide existing with 1 side 5 ft sidewalk

Remove existing sidewalk and curb and gutter

2 inch top course and 2 inch base course

11 ft lanes with 3.5 ft paved bike lane, with curb and gutter

6 ft sidewalk along both sides



					Roadway Se	Roadway Segment - John Beers Road	eers Road			
Year	Primary Road	Intersecting Road	Distance	Crash Type	Unit 1 Injury	Unit 2 Injury	Weather	Light	Road Surface Condition	Description
7/27/2013	John Beers Rd	Fairview St	100' W	Single Motor Vehicle	0	1	Fog/Smoke	Dark-Lighted	Dry	Vehicle 1 swerved to avoid striking dog, ran off the roadway and hit mailbox
9/28/2013	John Beers Rd	St. Joseph Ave	20' W	Sideswipe-Same	0	0	Clear	Daylight	Dry	Vehicle 2 did not see Vehicle 1 next to them at intersection and turned into the side
10/7/2014	John Beers Rd	St. Joseph Ave	30' W	Rear End	0	0	Clear	Daylight	Dry	of them Vehicle 1 was unable to stop at intersection and struck Vehicle 2
12/27/2014	John Beers Rd	Fairview St	200' W	Rear End	0	0	Cloudy	Daylight	Wet	Vehicle 2 was backing into driveway, Vehicle 1 was going too fast and struck Vehicle 2
3/17/2015	John Beers Rd	St. Joseph Ave	100' W	Rear End	0	0	Clear	Daylight	Dry	Vehicle 2 was stopped prior to intersection, Vehicle 1 didn't see Vehicle 2 and struck it
5/8/2015	John Beers Rd	Ridge Rd	152' W	Other/Unknown	0	0	Cloudy	Daylight	Dry	Vehicle 2 was turning left into driveway, Vehicle 1 pass a Village vehicle working in roadway, and collided with Vehicle 2
2/4/2015	John Beers Rd	St. Joseph Ave	3, M	Rear End	0	0	Snow/Blowing Snow	Daylight	Snowy	Vehicle 1 was unable to stop at intersection and struck Vehicle 2
1/10/2016	John Beers Rd	St. Joseph Ave	30' W	Rear End	o	0	Snow	Daylight	lce	Vehicle 1 was unable to stop at intersection and struck Vehicle 2
10/13/2016	John Beers Rd	Red Arrow Hwy	150' E	Angle	0	0	Clear	Daylight	Dry	Vehicle 2 was traveling east, Vehicle 1 did not see Vehicle 2, Vehicle 1 pulled into roadway and struck Vehicle 2

Crash Type	Count	Percentage
Single Motor Vehicle	1	11%
Rear End	വ	26%
Anale	-	11%
Other/Unknown	-	11%
Sideswipe-Same	-	11%

R	Roadway Segment	ient
Intersecting Road	Count	Percentage
St. Joseph Ave	5	%95
Center St	0	%0
Berrien St	0	%0
Fairview St	2	22%
Ridge Rd	-	11%
George St	0	%0
Red Arrow Hwy	-	11%

The crash analysis indicates that none of the crashes meet requirements for safety counter measures and Crash Reduction Factors per HSIP.

11/30/2018 Page 3 of 4

TwinCATS 2020-2023 Road Project Prioritization System

Project Name: John Beers Road Agency: Village of Stevensuito

Proposed Year: 202) Total Points: 33

Criteria	Points	
System Preservation	18 points max	
a. Most recent PASER rating		
3-4	10	10
5-6	8	
1-2	5	
b. Extension of Remaining Service Life (RSL) based on MDOT Geometric Guidelines	The state of the s	
Extends RSL by 15 years or more (4R project)	8	8
Extends RSL by 10-14 years (3R Project)	6	
Extends RSL by 5-9 years (Preventative Maintenance)	4	
Extends RSL by 2-4 years (Preventative Maintenance)	2	
Safety	7 points max	
a. Expected Crash Reduction - Based on MDOT approved Crash Reduction Factors	and the latest	
50% or greater	5	
40%-49.9%	4	
30% - 39.9%	3	
20% - 29.9%	2	
10% - 19.9%	1	
Less than 10%	0	0
b. Addressing High Crash Locations.		
Number of crashes is 20% higher than MPO median (4 or more)	2	
Number of crashes are within 20% of MPO median (2-3)	1	
Number of crashes is lower than 20% of the MPO median (0-1)	0	1 11
Non-motorized Transportation / Complete Streets	6 points max	
a. Follows the Complete Streets Policy	4	4
b. Pedestrian and bicycle elements of the project connect to existing bicycle and pedestrian facilities or those that can reasonably expect to be completed between 2019 and 2023.	2	2

Criteria	Points	
Regional Connectivity	10 points max	
a. Average daily traffic (ADT) based on most recent traffic count		
ADT is 10,000 or more	5	
ADT is 5,000 – 9,999	4	
ADT is 2,000 – 4,999	3	3
ADT is less than 2,000	0	
b. Functional Classification of the Road		10
Principal Arterial	3	3
Minor Arterial	2	
Major Collector	1	
Minor Collector	0	
c. Fixed route transit (TCATA Red or Blue line) uses the road	2	
Strategic Investment/ Project Planning	11 points max	
a. Project is identified in an Asset Management or Capital Improvement Plan	3	3
b. Project is identified as a priority in another planning document such as a master plan or parks and recreation plan	1	
c. Project crosses jurisdictional boundaries (i.e. city to township) and is arranged in such a way to be bid as a single project.	1	
d. Project continues resurfacing, reconstruction, or preventative maintenance on a segment of roadway adjacent to a project completed during the 2017-2020 TIP cycle or through Rural Task Force funding.	2	
e. Additional Local Match		
Agency will proved 40% or more local match	4	
	2	
Agency will proved 40% or more local match	1.00	
Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match	1.00	
Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match Note: An 18.15% local match is the minimum required	2	
Agency will proved 40% or more local match Agency will provide 30% to 39.9% local match Note: An 18.15% local match is the minimum required Project Readiness (no points)	2 Yes	



Twin Cities Area Transportation Study 2020-2023 Transportation Improvement Program (TIP) Federal Surface Transportation Block Grant Funds Project Application

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

Section 1. Appli	cant Information		
Agency Name	Village of Stevenville		
Contact Name	Steve Slavicek	Title	Village President
Phone Number	(269) 429-1802	Email	steveslavicek@hotmail.com
Section 2 Drain	at Information		

Section 2. Project-Information							
Project Name/Road Name	John Beers Road/Gran	d Mere Road					
Project Limits	Red Arrow Highway to	Notre Dame Ave					
(e.g. Napier Ave. to Britain Ave.)							
Project Length (nearest	.44 Mile	Proposed Year of Funding	2021				
hundredth of a mile)	711111110	Troposed real of Fullang	2021				
Primary Work Type	□ Reconstruct □ Rest	tore & Rehabilitate 🗌 Roadsi	de Facility				
Timary Work Type	☐ Resurface ☐ Traffic Operations/Safety ☐ Other						
Project Description	The plan for the project is to remove the existing asphalt roadway and						
(Please provide major work	reconstruct the roadw	ay with 5.5 inches of hot mix	asphalt. This would				
items including sidewalks, utility	create two 11 ft lanes	with 5 ft shoulders for bike la	nes.				
work, ADA upgrades etc.)							
Was this project awarded	│	ease explain:					
funding for the 2017-2020 TIP,	-						
but was either canceled or failed							
to be obligated							

Section 3. Project Funding	
Federal Funding Requested	\$ 485,800.00
Local Match (18.15% minimum)	\$ 107,725.00
Total	\$ 593,525.00
Local Match Percentage (local match/total cost)	18.15%
Does your agency have the financial capacity to Advance Construct (AC) all or part of this project if necessary? If yes, what is the maximum dollar amount your agency is willing to Advance Construct (AC)?	☐ Yes ☑ No Maximum Dollar Amount you can AC? \$

Section 4. System Pres	ervation				
2018 PASER rating (availibe excel file)	e as an 3				P
Current state of drainage		Adequate Minor and tolerab Occasional drainag Inadequate draina	ge problems wit	th some maintena	7.50
Expected increase in Rema	nining	0-3 years		0-14 \sqrt{15-20}	ts
What MDOT guidelines do project conform to?	es the	Reconstruction (4R Resurfacing, restor Preventative Mainte) ation, and Reha		
Section 5. Safety					
Please list the number and	severity of crash an Crash Facts for		sed project lim	nits over the last 5	yrs.
Total Crashes	4	Pedesti Crashes	rian & Bicycle s	0	
Fatalities	0	Serious	Injuries	1	
Using the attached Crash Fincluded in the project Describe any other safety	Reduction Factors	sheet, please chec	k each safety c	counter measure t	hat will be
improvements this project provide	will				
Section 6. Complete St	reets				
Does this project meet the approved in 2014?	TwinCATS Comp	lete Streets Policy,	yes ⊠	No neets	policy goals
If yes, Please explain what and/or bicycle improveme					
If No, please state the reas project should be exempt TwinCATS Complete Stree	from the	roadway. There	is no evidence	geometric design of consistance pe non-motorized fa	destrian

Does this project connect to an existing pedestrian/bicycle facility or one that is	☐Yes ⊠ſ	No
planned to be completed from 2020-2023?	If yes nless	se provide a map of the connecting facilities
Section 7. Regional Connectivity	ii yes, pieds	se provide a map of the connecting facilities
What is the most current daily traffic count f	or the limits	
of this project?		5000-10,000 Above 10,000
N. H. A. F. H. A. C. H. G. H. A. C. M. C. C. H.		Year of count: 2012 Source: SWMPC
National Functional Classification (NFC) for the (Berrien County NFC Map)	nis roadway	Other Principal Arterial
Does one of TCATA fixed route transit lines u	se the road?	
(Only indicate yes if it carries a current route	, not a	☐Yes ⊠No
planned route).		
Section 8. Strategic Planning & Investn	nent	
Is the project identified in a Asset Manageme	ent Plan,	⊠Yes No
or Capital Improvement Plan		If yes, please cite the plan and page number: CIP
Is the project identified in another planning of	documents	☐Yes ⊠No
such as a master plan or parks and recreation	n plan	If yes, please cite the plan and page number:
Jack place transfer paverners (bettings.	i i navomna	
December were the second section of become	!?	DV MA
Does the project cross jurisdictional boundar	iesr	Yes No
If yes, will it be bid as a single project?		☐ Yes ☐ No ☒ NA
Will this project coordinate with other infrast	tructure	Yes No
projects (i.e. utility, water, sewer, etc.)		If yes, please indicate the project type and
		construction year:
	-# #laia	0
How many water main breaks have you had a location in the past five years?	at this	0
Is there a completed a utilities assessment th	at	⊠ Yes □ No
included televising the sewers in the project	TO A CONTROL OF THE PARTY OF TH	M les Mo
Will this project require environmental mitiga		Yes No Not Sure
purchase of Right of Way (ROW), or railroad		If yes, which items are required:
9591 TOPOT OT		
Does this project perform Resurfacing, Recor	struction,	Yes No
or Preventative Maintenance on a segment a		What segment was the PREVIOUS project done
a segment where a federally-funded project		on?
during the 2017-2020 TwinCATS TIP cycle or	RTF cvcle?	

	Existing			Proposed			
Number of Vehicle Lanes	Through Traffic Lanes	Center Turn Lane	On Street Parking	Through Traffic Lanes	Center Turn Lane	On Street Parking	
000,0	2		☐ Yes ⊠ No	2		☐ Yes ⊠ No	
Shoulder Surface	Paved Unpaved	W 3 f	idth (ft.) ft	Paved Unpaved		Width (ft.) 5 ft	
Sidewalk/ path information	Placement One Side Both Sides Intermitte None	5	idth (ft.)	Placement One Side Both Sides Intermitte None		Width (ft.)	
On road bicycle facilities	Sharrows Sharrows Wide Shoulders None Wide Shoulders None						
Utilities, Sewer and Water						Work	
Please describe a made as part of t crosswalks, signa streetscape elem project description.	his project to ge or signals, or ents not discuss on enhance conne	sed in	place permanent	signs and upda	te pavement	markings.	
of pedestrian or l or Dial-A-Ride tra		d route If v	yes, how?	i'			
Section 10. Est	imated Projec	t Schedule					
Activity			-:++ + C\\\\\ ADC		stimated Date	e	
Resolution of Sup			nitted to SWINIPC		ugust 2020 ugust 2020		
Project Application Grade Inspection			Γ		eptember 20:	20	
Grade Inspection					ctober 2020	20	
Final Plan and Est					ovember 202	20	
Right of Way (RO	AND THE PROPERTY OF THE PROPER		ж.	502778	ovember 202	1010	
Rail Road Permits				N	/A		

Environmental Mitigation*

Project Obligated

Construction Start□

Project Completion

Project Letting

Section 9. Existing and Proposed Roadway Design

N/A

December 2020

February 2021 April 2021

July 2021

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

БН мотютеО





95 West Main Street P.O. Box 1088 Benton Harbor, MI 49023 T 269,927,2295 F 269,927,1017 www.abonmarche.com

Project Name: John Beers Rd/Grand Mere Rd Reconstruction (Red Arrow Hwy to West Village Limits)

Project Number:

Prepared by: Eric Kamps, EIT

Checked by: Tim Drews, PE

Pay Item Description	Unit	Qty	Unit Price	Total
Mobilization	LSUM	1.00	\$47,000.00	\$ 47,000.00
Pavt, Rem	Syd	8,600.00	\$ 7.75	\$ 66,650.00
Dr Structure Cover, Type	Ea	7.00	\$ 640.00	\$ 4,480.00
Dr Structure Cover, Adj. Case 1	Ea	7.00	\$ 490.00	\$ 3,430.00
Subbase, CIP	Cyd	2,875.00	\$ 11.00	\$ 31,625.00
Aggregate Base, 8 inch	Syd	8,600.00	\$ 8.75	\$ 75,250.00
HMA, 5E1	Ton	775.00	\$ 85.00	\$ 65,875.00
HMA, 4E1	Ton	2,000.00	\$ 80.00	\$ 160,000.00
HMA Approach	Ton	150.00	\$ 110.00	\$ 16,500.00
Hand Patching	Ton	25.00	\$ 160.00	\$ 4,000.00
Pavt Mrkg, Polyurea, 4 inch, White	Ft	4,650.00	\$ 1.50	\$ 6,975.00
Pavt Mrkg, Polyurea, 4 inch, Yellow	Ft	4,600.00	\$ 1.50	\$ 6,900.00
Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	Ea	1.00	\$ 220.00	\$ 220.00
Pavt Mrkg, Ovly Cold Plastic, Thru and Lt Turn Arrow Sym	Ea	1.00	\$ 300.00	\$ 300.00
Pavt Mrkg, Ovly Cold Plastic, Sharrow Symbol	Ea	6.00	\$ 220.00	\$ 1,320.00
Traffic Control	LSUM	1.00	\$25,000.00	\$ 25,000.00

Construction:	\$515,525.00
Contingency (15%):	\$ 78,000.00
Construction Subtotal:	\$ 593,525.00
Engineering/Administration (15%):	\$ 78,000.00
Total:	\$671,525.00

Roadway: 2300 ft long by 32 ft wide existing

Remove existing pavement

1.5 inch top course and 2 inch base and leveling courses



96 West Main Street
P.O. Box 1088
Benton Harbor, MI 49023
T 259,927,2295
F 259,927,1017
www.abonmarche.com

				Roadw	Roadway Segment - John Beers Rd/Grand Mere Rd	Beers Rd/Grar	nd Mere Rd			
Year	Primary Road	Intersecting Road	Distance	Crash Type	Unit 1 Injury	Unit 2 Injury	Weather	Light	t Road Surface Condition	Description
6/10/2014	Grand Mere Rd	John Beer Rd	500'S	Single Motor Vehicle	O	1	Cloudy	Cloudy Daylight	Wet	Driver lost control of vehicle, vehicle turned over
7/13/2014	John Beers Rd	Thorton Dr	40' E	Single Motor Vehicle	æ	1	Clear	Daylight	Dry	Driver was intoxicated, lost control, vehicle struck utility pole
11/16/2016	John Beers Rd	Red Arrow Hwy	200' W	Single Motor Vehicle	0	-	Clear	Daylight	Dry	Driver swerved to miss deer, struck guardrail
9/8/2017	John Beers Rd	1-94	75' E	Angle	0	0	Cloudy	Cloudy Daylight	Dry	Vehicle 1 was attempting to make left turn from closed lane, pulled into path of vehicle 2

Noau	Noadway Segment	
Crash Type	Count	Percentage
Single Motor Vehicle	က	75%
Angle	-	25%

Roadwa	коаамау эедтеп	1
Intersecting Road	Count	Percentage
Red Arrow Hwy	1	25%
John Beers Rd	-	25%
I-94	-	25%
Thorton Dr	,	25%

The crash analysis indicates that none of the crashes meet requirements for safety counter measures and Crash Reduction Factors per HSIP.