

2024-2026 Congestion Mitigation and Air Quality Project Application

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

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

Section 1. Applicant Information

Applicant Name	Village of Three Oaks		
Contact Name	Dan Faulkner	Title	
Phone Number	269-756-9221	Email	villagemgr@threeoaksvillage.org
Sponsor (If applicable)			
Engineer/Consultant (If applicable)	Tony McGhee, Abonmarche Consultants, Inc		
Phone Number	269-252-8980	Email	

Section 2. Project Information & Costs

Project Name: US -12 Sidewalk Extension			
City/Village/ Township:		County:	
Project Location <i>(short description of where the project is located)</i>			
Which Emissions form is being used? (list the form name not the MDOT form number)			
Work Description <i>(Short description of work being performed. Please provide enough information for eligibility to be determined)</i>			
Describe how the project will reduce congestion and/or emissions			
Project Cost <i>Only include CMAQ eligible expenses</i>	\$	Proposed Year of Funding	
Minimum Local Match – 20% of eligible costs	\$		
Can you supply additional match beyond the minimum required 20% If so how much?	<input type="checkbox"/> Yes <input type="checkbox"/> No Amount \$		
Emissions Benefit (from Emissions form)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Nitrogen Oxide (NO _x)
			Particulate Matter (PM 2.5)

Section 3. Performance measures

Besides emissions reductions what other performance measures will the project contribute to? *(select all that apply)*

- ☐ Safety
- ☐ Pavement Condition
- ☐ System Reliability
- ☐ Pedestrian/Bicycle Connectivity
- ☐ Transit State of Good Repair

If you checked any of the Performance Measures please indicate how the project will improve them:

Section 4. Additional Questions

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

Section 5. Estimated Project Schedule

Activity	Estimated Date
Resolution of Support for Local Match Submitted to SWMPC	
Project Application Submitted to MOT	
Grade Inspection Package Submitted to MDOT	
Grade Inspection Meeting Scheduled	
Final Plan and Estimate to MDOT	
Right of Way (ROW) certified	
Rail Road Permits	
Environmental Mitigation	
Project Obligated	
Project Letting	
Construction Start	
Project Completion	

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

Bicycle and Pedestrian Improvements

This calculator will estimate the reduction in emissions resulting from improvements to bicycle and pedestrian infrastructure and associated mode shift from passenger vehicles to bicycling or walking, including but not limited to sidewalks, dedicated bicycle infrastructure, improved wayfinding, mid-block crossing installations, bike share systems, and bike parking improvements.

Navigator

Bicycle and Pedestrian Improvements

INPUT

(1) What is your project evaluation year?

(2) Estimate the shift in daily motorized passenger vehicle trips to non-motorized travel due to the bicycle and pedestrian project.

Daily Passenger Vehicle Trips

Before	After	Change
<input type="text" value="158"/>	<input type="text" value="80"/>	<input type="text" value="78"/>

(3a) Select the data type used for entering the typical one-way trip distance of passenger vehicles below:

Trip Distance Source

(3b) If you selected "Average" above, enter the typical one-way trip distance. If you selected "Distribution" above, enter the typical distribution of one-way trip distances.

Typical Trip Distance
(miles one way)

Distribution of Trip Distances (daily fraction per mileage bin)

$x < 1$	$1 \leq x < 2$	$2 \leq x < 3$	$3 \leq x < 4$	$4 \leq x \leq 5$	Sum
<input type="text" value="19.90%"/>	<input type="text" value="20.40%"/>	<input type="text" value="21.30%"/>	<input type="text" value="17.20%"/>	<input type="text" value="21.20%"/>	<input type="text" value="100.0%"/>

OUTPUT

EMISSION REDUCTIONS

Pollutant	Total
Carbon Monoxide (CO)	0.602
Particulate Matter <2.5 μm (PM _{2.5})	0.001
Particulate Matter <10 μm (PM ₁₀)	0.003
Nitrogen Oxide (NOx)	0.052
Volatile Organic Compounds (VOC)	0.056
Carbon Dioxide Equivalent (CO ₂ e)	24.702
Total Energy Consumption (MMBTU/day)	0.313

*Units in kg/day unless otherwise noted

Village of Three Oaks

US-12 Sidewalk Extension

Cost Estimate Includes:

- New 5' sidewalk extending west from existing sidewalk to Dunn St.
- Culvert drains with inlet manholes installed in locations where existing drainage swales are being replaced.
- Gravel and concrete drive replacements at smaller driveway approacher where sidewalk crosses.



Proposed Sidewalk Extension

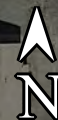
Dunn St

Orcutt St

Nell's Dr

12

Pulaski H



Engineer's Opinion of Construction Costs

Project: **US-12 Sidewalk Extension**
Project No: **P21-0121**
Description: **Sidewalk Extension to Dunn St on South Side of US-12**
Stage: **30% Preliminary**
Date: **8/12/2021**
Prepared By: **Brandon Vasher, EIT**

Miscellaneous					
Line	Item	Quantity	Unit	Unit Cost	Item Cost
1	Mobilization, Max \$20,000	1.00	LSUM	\$ 20,000.00	\$ 20,000.00
2	Temporary Traffic Control	1.00	LSUM	\$ 5,000.00	\$ 5,000.00
Subtotal: Miscellaneous					\$ 25,000.00

Proposed Improvements - Sidewalk Extension					
Line	Item	Quantity	Unit	Unit Cost	Item Cost
3	Sidewalk, Rem	25.00	Syd	\$ 10.00	\$ 250.00
4	Pavt, Rem	165.00	Syd	\$ 10.00	\$ 1,650.00
5	Machine Grading	18.05	Sta	\$ 1,000.00	\$ 18,050.00
6	Embankment, CIP	1500.00	Cyd	\$ 15.00	\$ 22,500.00
7	Sidewalk, Conc, 4 inch	8900.00	Sft	\$ 4.00	\$ 35,600.00
8	Sidewalk, Conc, 6 inch	1400.00	Sft	\$ 5.00	\$ 7,000.00
9	Sidewalk Ramp, Conc, 6 inch	200.00	Sft	\$ 6.00	\$ 1,200.00
10	Detectable Warning Surface	10.00	Ft	\$ 40.00	\$ 400.00
11	Driveway, Nonreinf Conc, 6 inch	140.00	Syd	\$ 40.00	\$ 5,600.00
12	Driveway, Gravel	30.00	Syd	\$ 10.00	\$ 300.00
13	Curb and Gutter, Rem	160.00	Ft	\$ 9.00	\$ 1,440.00
14	Curb and Gutter, Conc, Det C4	160.00	Ft	\$ 25.00	\$ 4,000.00
15	Dr Structure, 48 inch dia	7.00	Ea	\$ 2,500.00	\$ 17,500.00
16	Dr Structure Cover, Type B	7.00	Ea	\$ 550.00	\$ 3,850.00
17	Culv, CI A, 24 inch	1165.00	Ft	\$ 55.00	\$ 64,075.00
Subtotal: Proposed Improvements - Sidewalk Extension					\$ 183,415.00

Summary		
Construction Subtotal:		\$ 208,415.00
Contingency:	20%	\$ 41,685.00
Project Total: US-12 Sidewalk Extension		\$ 250,100.00