

CMAQ & CRP FY 2027 - 2029 Application

Submitted by: Anonymous user

Submitted time: Dec 8, 2024, 4:04:56 PM

Please Respond to the Questions Below

Are You Applying for CMAQ or CRP?

Congestion Mitigation & Air Quality (CMAQ) Improvement Program

Act-51 Agency?

Yes

CMAQ Project Type

Road

More than One Entity Applying for Funds?

No

Agency Name

City of Novi

Project Name

Taft Road and 11 Mile Road Roundabout

Project Primary Contact Name

Jeff Herczeg

Project Primary Contact Email

jHerczeg@cityofnovi.org

Project Primary Contact Phone Number

(248) 735-5606

Work Description: Submit a short description of work being performed. Please provide enough information for eligibility to be determined.

The Taft Road and 11 Mile Road intersection is currently an all-way stop-controlled intersection with two approach lanes in each direction for thru/right and left turning movements. The stop signs at the intersection are fitted with flashing red beacons to highlight the intersection to drivers. The intersection is proposed to be a single lane roundabout. This includes single lane entries for each approach, a single circulating lane, and single exit lanes per approach. Due to the number of lanes within the existing intersection approaches, the proposed roundabout fits within the existing intersection footprint. The roundabout will include complete reconstruction of the intersection along with approach work. New ramps will be installed to direct bicyclists from the existing on-street bike lanes to the sidewalk/pathway crossings of the roundabout approaches instead of through the circulating roadway for improved safety.

Project Limits: Short description where the project is located.

Taft Road and 11 Mile Road intersection in the City of Novi

Project Cost

Federal

1,400,000

State

0

Local (20% local match)

0

Project Total

1,400,000

Local or State Match Source(s)

N/A

Completed Emission Calculation (FHWA Toolkit)?

Yes

FHWA Toolkit Results

Carbon monoxide (CO)

0.095

Particulate matter (PM2.5)

0.001

Particulate matter (PM10)

2

Nitrogen Oxides (NOx)

0.027

Volatile Organic Compounds (VOC)

0.025

Which Fiscal Year Are You Requesting Funds?

- **2027**
- **2028**
- **2029**

In a Brief Narrative, Please Highlight Any Additional Information About the Proposed Project and how it will Benefit the Community and Region.

The intersection of Taft Road and 11 Mile Road is directly adjacent to Novi Community School District campus which includes Novi Woods Elementary School, Novi Meadows School, Instructional Technology Center, and various administrative buildings. Due to school drop-off and pickup this location experiences delays which increases congestion adjacent to a vulnerable population. A roundabout at this intersection would improve safety for all users and create a better flow of traffic resulting in a decrease in delay at the intersection.

Document Submittal

Completed FHWA Toolkit

PDF

[Taft at 11 Mile crtf_trafficflow_improvement_tool.pdf](#)
143.6KB

Project Sketch

PDF

[11 and Taft Sketch.pdf](#)
2.7MB

Signature

Application Submittal Date and Time

Dec 8, 2024, 3:55:00 PM



OPINION OF PROBABLE CONSTRUCTION COST

ORCHARD, HILTZ & McCLIMENT, INC.

34000 Plymouth Road, Livonia, Michigan, 48150

Telephone: (734) 522-6711 FAX: (734) 466-4557

PROJECT: Taft Road Rehabilitation CMAQ 2024
LOCATION: City of Novi
WORK: 3R - 0.4 Miles of HMA road rehabilitation at Taft and 11 Mile
Sidewalk improvements with installation of roundabout

DATE: February 18, 2025
PROJECT #: 0163-24-0110
ESTIMATOR:
CHECKED BY:
CURRENT ENR:

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
1100001	Mobilization, Max	LSUM	1	\$100,000.00	\$ 100,000.00
2020002	Tree, Rem, 19 inch to 36 inch	Ea	7	\$ 2,500.00	\$ 17,500.00
2040020	Curb and Gutter, Rem	Ft	1225	\$ 25.00	\$ 30,625.00
2040055	Sidewalk, Rem	Syd	662	\$ 12.50	\$ 8,275.00
2047011	Pavt, Rem, Modified	Syd	6169	\$ 10.00	\$ 61,690.00
2047050	Exploratory Excavation	Ea	2	\$ 1,000.00	\$ 2,000.00
2050010	Embankment, CIP	Cyd	50	\$ 50.00	\$ 2,500.00
2050016	Excavation, Earth	Cyd	1250	\$ 30.00	\$ 37,500.00
2057021	Subgrade Undercutting, Type II, 1 by 3	Cyd	50	\$ 100.00	\$ 5,000.00
2057021	Subgrade Undercutting, Type II, 21AA	Cyd	50	\$ 100.00	\$ 5,000.00
2080012	Erosion Control, Check Dam, Stone	Ft	275	\$ 25.00	\$ 6,875.00
2080020	Erosion Control, Inlet Protection, Fabric Drop	Ea	5	\$ 150.00	\$ 750.00
2080036	Erosion Control, Silt Fence	Ft	3614	\$ 5.00	\$ 18,070.00
2090001	Project Cleanup	LSUM	1	\$ 10,000.00	\$ 10,000.00
3027011	Aggregate Base, 4 inch, Modified	Syd	1065	\$ 12.50	\$ 13,312.50
3027011	Aggregate Base, 8 inch, Modified	Syd	5855	\$ 15.00	\$ 87,825.00
3050010	Material, Surplus and Unsuitable, Rem, LM	Cyd	50	\$ 10.00	\$ 500.00
3060021	Maintenance Gravel, LM	Cyd	250	\$ 25.00	\$ 6,250.00
4020987	Sewer, CI IV, 12 inch, Tr Det B	Ft	138	\$ 75.00	\$ 10,350.00
4030050	Dr Structure Cover, Type K	Ea	5	\$ 1,250.00	\$ 6,250.00
4030065	Dr Structure Cover, Type Q	Ea	3	\$ 1,000.00	\$ 3,000.00
4030210	Dr Structure, 48 inch dia	Ea	4	\$ 3,000.00	\$ 12,000.00
4030312	Dr Structure, Tap, 12 inch	Ea	4	\$ 500.00	\$ 2,000.00
4037050	Storm Structure Cover, Adj	Ea	5	\$ 1,000.00	\$ 5,000.00
4037050	Water Structure Cover, Adj	Ea	3	\$ 1,000.00	\$ 3,000.00
5010008	Pavt for Butt Joints, Rem	Syd	55	\$ 15.00	\$ 825.00
5010025	Hand Patching	Ton	25	\$ 100.00	\$ 2,500.00
5012013	HMA, 3EML	Ton	940	\$ 100.00	\$ 94,000.00
5012025	HMA, 4EML	Ton	671	\$ 110.00	\$ 73,810.00
5012037	HMA, 5EML	Ton	537	\$ 120.00	\$ 64,440.00
6027011	Stamped Conc Pavt, Nonreinf, 8 inch	Syd	891	\$ 125.00	\$ 111,375.00
8020031	Curb and Gutter, Conc, Det D2	Ft	1624	\$ 30.00	\$ 48,720.00
8020038	Curb and Gutter, Conc, Det F4	Ft	1635	\$ 30.00	\$ 49,050.00
8030010	Detectable Warning Surface	Ft	159	\$ 50.00	\$ 7,950.00
8030030	Curb Ramp Opening, Conc	Ft	185	\$ 30.00	\$ 5,550.00
8060020	Shared use Path, Conc	Syd	307	\$ 51.00	\$ 15,657.00
8060030	Shared use Path, Grading	Ft	344	\$ 23.00	\$ 7,912.00
8100340	Post Hole Through Conc for Steel Post	Ea	15	\$ 100.00	\$ 1,500.00
8100371	Post, Steel, 3 pound	Ft	797	\$ 10.00	\$ 7,970.00
8100403	Sign, Type III, Rem	Ea	30	\$ 25.00	\$ 750.00
8100404	Sign, Type IIIA	Sft	150	\$ 15.00	\$ 2,250.00



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DATE: February 18, 2025
 PROJECT #: 0163-24-0110
 ESTIMATOR:
 CHECKED BY:
 CURRENT ENR:

ITEM CODE	DESCRIPTION	UNIT	TOTAL	UNIT PRICE	COST
8100405	Sign, Type IIIB	Sft	264	\$ 15.00	\$ 3,960.00
8110094	Pavt Mrkg, Polyurea, 6 inch, White	Ft	2838	\$ 1.00	\$ 2,838.00
8110095	Pavt Mrkg, Polyurea, 6 inch, Yellow	Ft	4256	\$ 1.00	\$ 4,256.00
8110109	Pavt Mrkg, Polyurea, 12 inch, Cross Hatching, Yellow	Ft	143	\$ 10.00	\$ 1,430.00
8110114	Pavt Mrkg, Polyurea, 24 inch, Stop Bar	Ft	66	\$ 15.00	\$ 990.00
8110414	Pavt Mrkg, Polyurea, School	Ea	2	\$ 250.00	\$ 500.00
8110450	Recessing Pavt Mrkg, Longit	Ft	7094	\$ 0.50	\$ 3,547.00
8110451	Recessing Pavt Mrkg, Transv	Sft	468	\$ 2.50	\$ 1,170.00
8112170	Pavt Mrkg, Polyurea, Bike Thru Arrow Sym	Ea	4	\$ 250.00	\$ 1,000.00
8117050	Pavt Mrkg, Polyurea, 24 inch, White Special Emphasis Crossw	Ea	4	\$ 100.00	\$ 400.00
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furr	Ea	20	\$ 100.00	\$ 2,000.00
8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Ope	Ea	20	\$ 5.00	\$ 100.00
8120026	Pedestrian Type II Barricade, Temp	Ea	5	\$ 200.00	\$ 1,000.00
8120035	Channelizing Device, 42 inch, Fluorescent, Furn	Ea	50	\$ 25.00	\$ 1,250.00
8120036	Channelizing Device, 42 inch, Fluorescent, Oper	Ea	50	\$ 2.50	\$ 125.00
8120170	Minor Traf Devices	LSUM	1	\$100,000.00	\$ 100,000.00
8120310	Sign Cover	Ea	10	\$ 50.00	\$ 500.00
8120353	Sign, Type B, Temp, Prismatic, Spec, Oper	Sft	143	\$ 1.00	\$ 143.00
8120370	Traf Regulator Control	LSUM	1	\$ 25,000.00	\$ 25,000.00
8122251	Pedestrian Ramp, Temp	Ea	12	\$ 125.00	\$ 1,500.00
8167011	Turf Establishment, Performance	Syd	6112	\$ 10.00	\$ 61,120.00
8182311	Hh, Square	Ea	8	\$ 1,000.00	\$ 8,000.00
8210001	Monument Box	Ea	1	\$ 500.00	\$ 500.00
8210005	Monument Box, Adj	Ea	1	\$ 500.00	\$ 500.00
8210010	Monument Preservation	Ea	1	\$ 500.00	\$ 500.00
8210020	Protect Corners	Ea	1	\$ 500.00	\$ 500.00
8507051	Audio Video Route Survey	LSUM	1	\$ 5,000.00	\$ 5,000.00
					\$ 1,177,360.50
CONTINGENCY (20%)					\$ 235,472.10
TOTAL OPINION OF PROBABLE CONSTRUCTION COST =					\$ 1,412,832.60



TAFT RD

W 11 MILE RD

