

Berrien County CMAQ Applications 2024-2026

Proposed Year	Agency	Project Name	Project Type	Location Details	Description	Federal CMAQ	Match	Total Cost
2024	City of Benton Harbor	Empire Ave. & Colfax Ave. Traffic Signal Improvement	Signal	Empire Ave. and Colfax Ave.	Signal Optimization and Actuation in support of a future interconnection project. Pedestrian pushbuttons will be provided for all crossings, single shared pushbutton actuation on each corner.	\$288,320	\$72,0808	\$360,400
2024	Berrien County Road Department	Countywide Signal Upgrade	Signal	13 different intersections within, Benton Twp, St Joseph Twp, Lincoln Twp, Lake Twp, Chikaming Twp, and Sodus Twp	This will allow all traffic signals to operate in the same capacity improving traffic flow conditions, decreasing idle time, and allowing signals to be controlled remotely to handle congestion issues.	\$210,505 to \$248,404*	\$62,101 to \$100,000*	\$310,505
2024	Berrien County Road Department	Red Arrow Highway Non-motorized Path	Non-motorized	Lakeside Rd. To Harbert Rd.	Extend the existing non-motorized path. Built along with the resurfacing of Red Arrow	\$320,000	\$80,000	\$400,000
2026	Lincoln Township	John Beers Walks	Non-motorized	S. Roosevelt Rd. to Demorrow Rd.	6 ft. concrete paths on both sides. Includes ADA ramps, retaining walls, and drainage improvements.	\$400,000 to \$792,000*	\$198,000 to \$590,000*	\$990,000
2025	Village of Berrien Springs	Lake Chapin Interurban Non-Motorized Bridge	Non-motorized	Over Lake Chapin, following the interurban rail line between Grove Park in the Village (at Main St) and Range Line Park in Berrien Township.	Construction of an approx. quarter-mile long non-motorized /pedestrian bridge over Lake Chapin on existing concrete piers and includes pre-manufactured bridge sections, abutments, paved connections, and either ends, open seating areas between bridge sections and site furnishings.	\$3,840,000	\$960,000	\$4,800,000
2024	Village of Three Oaks	US-12 Sidewalk Extension	Non-motorized	South side of US-12 from where sidewalks ends (1300 ft. west of Elm St.) to Dunn Street	Build 10' non-motorized path to connect to existing sidewalk system on the south side of US -12 from Memorial Drive west to intersection of Dunn Street at mobile home park.	\$200,080	\$50,020	\$250,100
2025	Berrien Bus	Transit Bus Replacement	Transit	Berrien Bus Service Area	Replace three (3), 2018 gasoline buses with 2025 gasoline buses	\$260,000	\$65,000	\$325,000
2026	Berrien Bus	Transit Bus Replacement	Transit	Berrien Bus Service Area	Replace five (5), 2019 gasoline buses with 2026 gasoline buses	\$320,000	\$80,000	\$400,000
2025	TCATA	Transit Bus Replacement	Transit	TCATA Service Area	Replace two (2) 2018 propane buses with 2025 electric buses	\$480,000	\$120,000	\$600,000
2024	Niles Dial A Ride	Transit Bus Replacement	Transit	Niles Dial A Ride Service Area	Replace Three (3), 2016 cutaway buses with 2024 Ford Transit Vans	\$140,000	\$35,000	\$175,000
2024	SWMPC	Rideshare	Rideshare	Berrien County	Market and promote carpooling to employers and employees who work or live in Berrien County	\$16,000	\$0	\$16,000
2025	SWMPC	Rideshare	Rideshare	Berrien County	Market and promote carpooling to employers and employees who work or live in Berrien County	\$16,000	\$0	\$16,000
2026	SWMPC	Rideshare	Rideshare	Berrien County	Market and promote carpooling to employers and employees who work or live in Berrien County	\$16,000	\$0	\$16,000

*ranges show the additional local match an agency is willing to contribute.

Berrien County CMAQ Allocation

	2024	2025	2026	Total
Allocation	\$804,294	\$804,294	\$804,294	\$2,412,882
Request	\$1,174,905	\$4,596,000	\$736,000	\$6,506,905
Shortfall	\$370,611	\$3,791,706	-\$68,294	\$4,094,023

Non-Motorized Projects

Year	Agency	Project	CMAQ	Match	Total	Current Motorized Trips	Estimated Non-motorized Trips	Average Trip Distance (miles)	Percent Reduction	Emission Reductions Kg/day	
										NOx	VOC
2024	Berrien County Road Department	Red Arrow Highway Non-motorized Path	\$320,000	\$80,000	\$400,000	4,456	706	2	16%	0.429	0.402
2026	Lincoln Township	John Beers Walks	\$400,000 to \$792,000	\$198,000 to \$590,000	\$990,000	7,480	1,496	1	20%	0.628	0.688
2025	Village of Berrien Springs	Lake Chapin Interurban Non-Motorized Bridge	\$3,840,000	\$960,000	\$4,800,000	14,280	1,428	2	10%	0.778	0.739
2024	Village of Three Oaks	US-12 Sidewalk Extension	\$200,080	\$50,020	\$250,100	158	78	0.64	49%	0.052	0.056

Total: \$4,760,080

Rideshare Project

Year	CMAQ	Total	commuters	Amount carpooling	Percent Carpooling	Average carpool vehicle occupancy	Average commute distance (round trip mileage)	Emission Reductions Kg/day	
								NOx	VOC
2024	\$16,000	\$16,000	70,292	6,537	9.3%	2	21.5	2.508	4.635
2025	\$16,000	\$16,000	70,292	6,537	9.3%	2	21.5	2.489	4.182
2026	\$16,000	\$16,000	70,292	6,537	9.3%	2	21.5	2.473	3.793

Total: \$48,000

Transit Projects

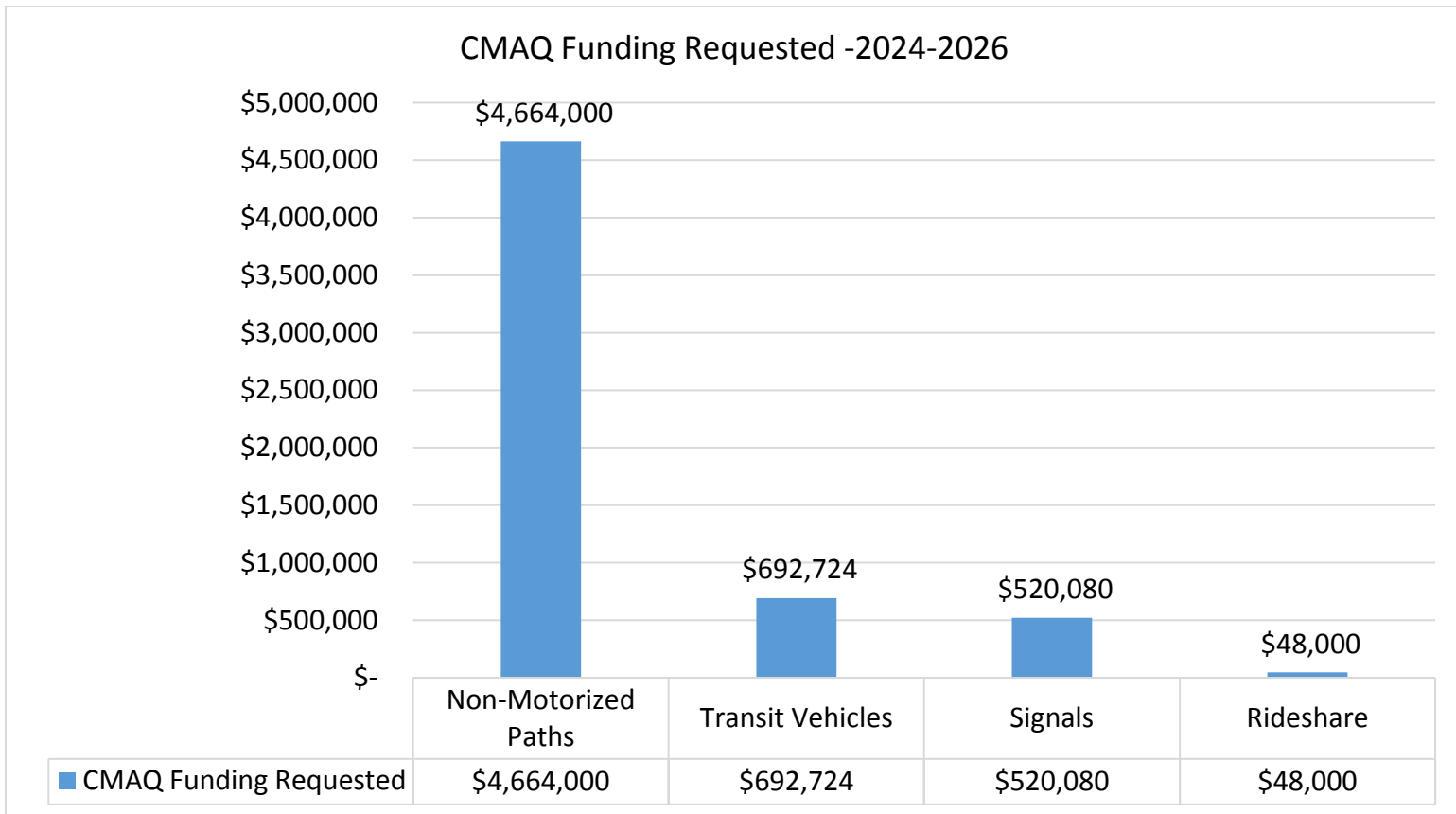
Year	Agency	CMAQ	Match	Total	Number of Vehicles	Project Details	Average VMT per vehicle	Emission Reductions	
								Nox	VOC
2025	Berrien Bus	\$260,000	\$65,000	\$325,000	3	2018 Gasoline Cutaway Buses to 2025 Gasoline	18,000	0.034	0.013
2026	Berrien Bus	\$320,000	\$80,000	\$400,000	5	2019 Gasoline Cutaway Bus to 2026 Gasoline	18,000	0.043	0.017
2025	TCATA	\$480,000	\$120,000	\$600,000	2	2018 Propane Cutaway Bus to 2025 Electric	25,000	0.040	0.014
2024	Niles Dial A Ride	\$140,000	\$35,000	\$175,000	3	2016 Gasoline cutaway bus to 2024 Gasoline Transit Vans	24,000	0.084	0.029

Total: \$1,500,000

Signal Projects

Proposed Year	Agency	Project Name	Federal CMAQ	Match	Total Cost	Total Traffic Volume per day	Existing Delay / Vehicle	predicted peak hour Delay / Vehicle	Emission Reductions	
									NOx	VOC
2024	City of Benton Harbor	Empire Ave. & Colfax Ave. Traffic Signal Improvement	\$288,320	\$72,080	\$360,400	8,253	25 sec/veh on Colfax 35 sec/veh on Empire	12.6 sec/veh on Colfax 13.6 sec/veh on Empire	0.046	0.011
2024	Berrien County Road Department	Countywide Signal Upgrade	\$210,505 to \$248,404	\$62,101 to \$100,000	\$310,505	247,283	Avg. 18 sec/veh	Avg. 12.92 sec/veh	0.33	0.081

Total: \$498,825



	2024	2025	2026	Total
Allocation	\$804,294	\$804,294	\$804,294	\$2,412,882
Request	\$1,212,804	\$4,596,000	\$1,128,000	\$6,936,804
Shortfall	\$408,510	\$3,791,706	\$323,706	\$4,523,922