

## Chapter 4: Projects

The federal requirements (23 CFR 450.324) for transportation plans require that:

(g)(9) Design concept and design scope descriptions of all existing and proposed transportation facilities in sufficient detail, regardless of funding source, in nonattainment and maintenance areas for conformity determinations under the EPA's transportation conformity regulations (40 CFR part 93, subpart A). In all areas (regardless of air quality designation), all proposed improvements shall be described in sufficient detail to develop cost estimates;

And allows:

(g)(11)(vii) For illustrative purposes, the financial plan may include additional projects that would be included in the adopted transportation plan if additional resources beyond those identified in the financial plan were to become available.

As a result, an integral component of the LRTP is the list of major projects for the region during the plan's life. The following map (Figure 4-1) and table (Figure 4-2) identify the regionally significant projects contained within *AIM Forward 2040*. The list of fiscally constrained minor projects in *AIM Forward 2040* appears in the Appendix.

Figure 4-1: Major Projects (Map)

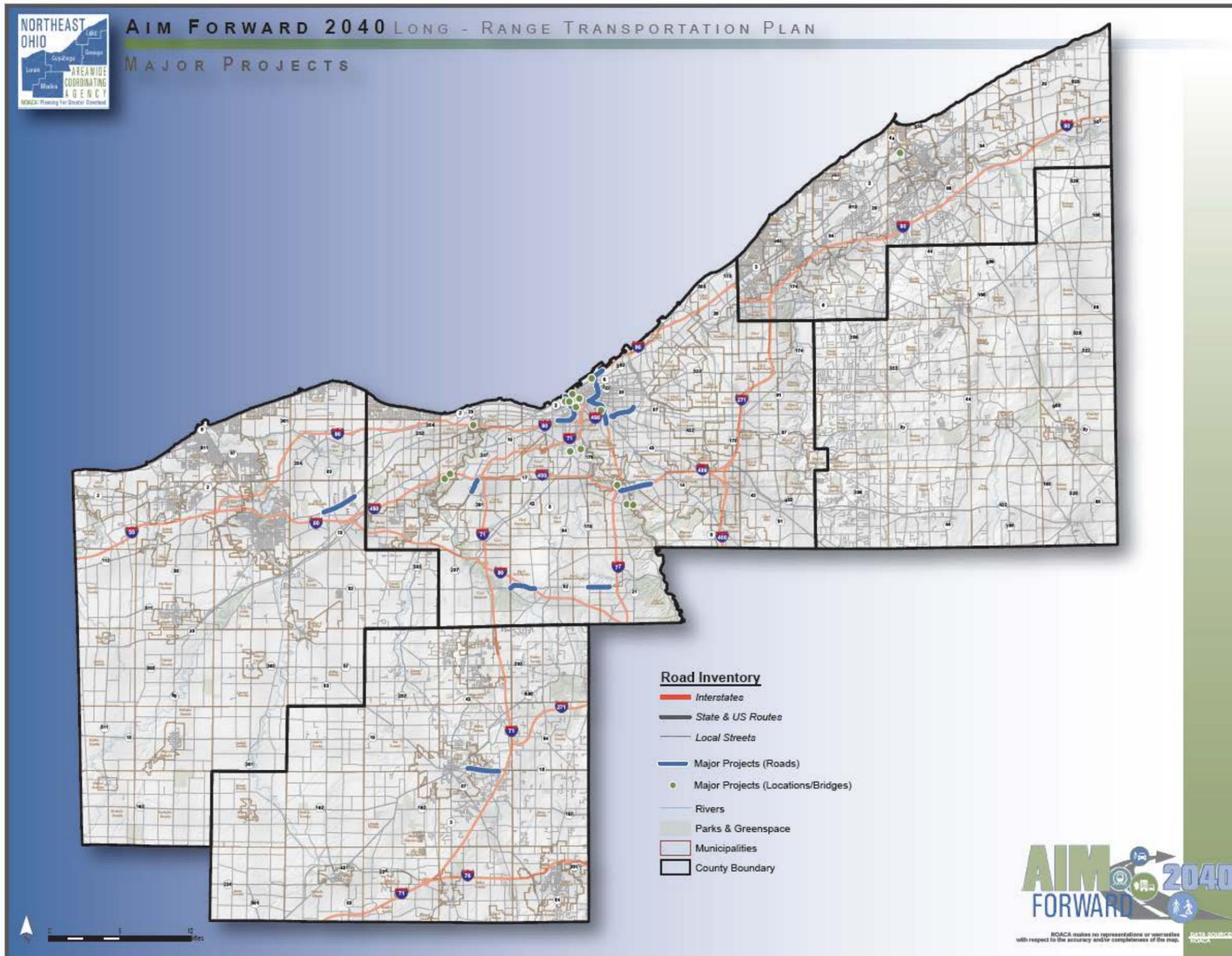




Figure 4-2: Major Projects (List)

**AIM FORWARD 2040 MAJOR PROJECTS - PROJECTS >\$12 M OR HAVE SIGNIFICANT IMPACT TO THE SYSTEM OR AIR QUALITY**

Project Sponsor	Project Name	Project Description	Project Location-- Community	Project Location- County	Primary Work Type	Planned SFY	Total Project Estimated Cost	Maintain/ Enhance / Expand
City of Broadview Heights	SR 82 Improvements	Widen a section SR-82 from three-lane to a five-lane from east of Broadview Road (SR-176) to Treeworth Boulevard. The work include the construction of urban shoulder, curb and gutter, resurfacing, bike path, traffic signals, signs, and pavement markings.	City of Broadview Heights	Cuyahoga	Road Widening/New Road	2019	\$8,600,000	Expand
City of Cleveland	SR 2	Rehabilitation of SFN 1800035	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2019	\$56,259,100	Maintain
City of Cleveland	USR 6	Rehabilitation of SFN 1800930	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2020	\$22,620,500	Maintain
City of Cleveland	SR 10	Rehabilitation of SFN 1801503	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2021	\$30,355,600	Maintain
City of Cleveland	SR237/Hopkins Airport	Upgrade Berea freeway ramp access to Cleveland Hopkins Airport	City of Cleveland	Cuyahoga	Road Widening/New Road	2026	\$17,200,000	Enhance
City of Cleveland	USR42	Rehabilitation of SFN 1803271	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2030	\$12,055,700	Maintain
City of Cleveland	Huron Road Bridge	Rehabilitation of SFN 1869442	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2031	\$20,563,500	Maintain
City of Fairview Park	SR17	Rehabilitation of SFN 1802046	Fairview Park	Cuyahoga	Bridge Rehabilitation	2026	\$12,377,500	Maintain
City of North Ridgeville	US 0020 22.19 CENTER RIDGE ROAD	Widen to 5 Lanes from Stoney Ridge Road to Lear Nagle in the City of North Ridgeville.	City of North Ridgeville	Lorain	Road Widening/New Road	2018	\$29,221,292	Expand
Cleveland Metroparks	Cleveland Foundation Centennial Trail (Lake Link)	Construct a trail and greenway corridor along abandoned rail line in the Flats connecting to Wendy Park	City of Cleveland	Cuyahoga	Bicycle-Multipurpose Trail	2020	\$23,138,000	Enhance
Cleveland Metroparks	Red Line Greenway Trail	Construct a bicycle facility along an unused rail line, from W. 65th Street to Rivergate Park, in Cleveland	City of Cleveland	Cuyahoga	Bicycle-Multipurpose Trail	2020	\$ 12,000,000	Enhance
Cuyahoga County	Rockside Road Bridge 3.23 (SFN 1830260) and 03.32 (SFN 1830279)	Rehabilitation of bridge No. 3.23 over CSX and an access road. Bridge No. 03.32 is located over the Cuyahoga River.	Cities of Independence and Valley View	Cuyahoga	Bridge Rehabilitation	2021	\$12,000,000	Maintain
Cuyahoga County	Rockside Road Bridge 3.23 (SFN 1830260) and 03.32 (SFN 1830279)	Rehabilitation of bridge No. 3.23 over CSX and an access road. Bridge No. 03.32 is located over the Cuyahoga River.	Cities of Independence and Valley View	Cuyahoga	Bridge Rehabilitation	2021	\$12,000,000	Maintain

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Cuyahoga County	SR82 (Royalton Road) Widening	Widen SR82 (Royalton Road) from West 130th Street to York Road	City of North Royalton	Cuyahoga	Road Widening/New Road	2018	\$13,526,000	Expand
Cuyahoga County	Towpath Trail Phases 1 and 4	Construct remaining phases of a bicycle trail along the Ohio and Erie Towpath	Cleveland	Cuyahoga	Bicycle-Multipurpose Trail	2020-2021	\$ 20,000,000	Enhance
Greater Cleveland Regional Transit Authority	GCRTA Annual Bus Replacements	Annual bus replacements, \$20 M per year	Cuyahoga County	Cuyahoga	Transit Vehicle Replacements	2018-2040	\$460,000,000	Maintain
LAKETRAN	LAKETRAN Annual Vehicle Replacements	Annual replacement of 12 paratransit vehicles, \$1.4 M per year	Lake County	Lake	Transit Vehicle Replacements	2018-2040	\$32,936,000	Maintain
ODOT	IR 490/SR 010 02.09/19.28 (Opportunity Corridor)	Construction of a new roadway from west of East 55th Street to East 93rd Street in the City of Cleveland.	City of Cleveland	Cuyahoga	Road Widening/New Road	2018	\$283,493,192	Expand
ODOT	Innerbelt CCG6A IR77 Widening	Widen and replace the IR77 bridge over IR490. Replace the mainline IR-77 bridge over IR-490. New structure will be widened to 6 lanes and will be longer than the existing bridge.	City of Cleveland	Cuyahoga	Road Widening/New Road	2018	\$35,064,000	Expand
ODOT	Innerbelt CCG3A CUY IR 077/090 14.96/16.33 / E. 22nd Street	Improve I-90 in the "Central Interchange" area between E 9th Street and Carnegie Ave; improve E 22nd Street; remove the Cedar Avenue bridge over I-90; improve I-77 north of the Kingsbury Run Bridge; and replace the Carnegie Avenue bridge over I-90.	City of Cleveland	Cuyahoga	Road Widening/New Road	2023	\$398,950,000	Expand
ODOT	I-77	Rehabilitation of SFN 1806726	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2029	\$26,711,900	Maintain
ODOT	I-490	Rehabilitation of SFN 1811991	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2029	\$47,863,200	Maintain
ODOT	Innerbelt CCG5B Eastbound Pavement	Reconstruction of the Eastbound Innerbelt Trench from East 22nd Street to Superior Avenue	City of Cleveland	Cuyahoga	Road Widening/New Road	2030	\$236,116,000	Maintain
ODOT	Innerbelt CCG4C Norfolk Southern Railroad Bridge	Build a new overhead Norfolk Southern Railroad bridge at a new location to accommodate the realignment of the Innerbelt Curve. This structure will replace the existing structure	City of Cleveland	Cuyahoga	Road Widening/ New Road	2031	\$55,000,000	Maintain

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ODOT	Innerbelt CCG5C Westbound Pavement	Reconstruction of the Westbound Innerbelt Trench from E.22nd to Superior	City of Cleveland	Cuyahoga	Road Widening/New Road	2031	\$170,000,000	Maintain
ODOT	SR-176J Jennings Freeway	Rehabilitation of SFN 1810189	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2034	\$13,754,200	Maintain
ODOT	Innerbelt CCG4E Curve	Realign the IR90 Innerbelt Curve north of Superior Avenue, Innerbelt Trench to East Shoreway	City of Cleveland	Cuyahoga	Road Widening/New Road	2036	\$290,117,000	Enhance
ODOT	I-77	Rehabilitation of SFN 1806173	City of Independence	Cuyahoga	Bridge Rehabilitation	2023	\$34,703,100	Maintain
ODOT	IR90	Rehabilitation of SFN 1808567	City of Lakewood	Cuyahoga	Bridge Rehabilitation	2023	\$12,081,500	Maintain
ODOT	IR480-18.42 Land R Deck	Replace the decks of the twin IR480 bridges and construct a new four-lane structure between the existing bridges, over the Cuyahoga River Valley in Valley View and Independence.	City of Valley View	Cuyahoga	Road Widening/New Road	2018	\$264,905,000	Expand
ODOT	I-480	Rehabilitation of SFN 1812831	Fairview Park	Cuyahoga	Bridge Rehabilitation	2028	\$22,622,700	Maintain
ODOT	SR18 13.54 Widening	Widen SR18 in Medina Twp. And Montville Twp. to 5 lanes from Foote Road to River Styx Road and to 7 lanes from River Styx Road to Nettleton Road.	Medina County	Medina	Road Widening/New Road	2019	\$20,000,000	Expand

**\$2,706,234,984**





In addition to these fiscally constrained major projects, NOACA has also identified the list of illustrative projects shown in the following table (Figure 4-3).



Figure 4-3: Illustrative Major Projects

**AIM FORWARD 2040 MAJOR PROJECTS - PROJECTS >\$12 M OR HAVE SIGNIFICANT IMPACT TO THE SYSTEM OR AIR QUALITY**

<b>Illustrative</b> - Projects have not been reviewed for alignment with NOACA planning or fiscal constraint requirements								
Project Sponsor	Project Name	Project Description	Project Location-- Community	Project Location- County	Primary Work Type	Planned SFY	Total Project Estimated Cost	Maintain/ Enhance / Expand
City of Avon	Center Road/SR83-IR 90 Diverging Diamond Interchange	Construct a Diverging Diamond Interchange at SR 83 and IR90 in the City of Avon.	City of Avon	Lorain	Facility Renovation	2031	\$19,000,000	Expand
City of Beachwood	Chagrin Boulevard Widening	Widen Chagrin Boulevard from SR175 to IR271 in the City of Beachwood	City of Beachwood	Cuyahoga	Road Widening/New Road	2021	\$12,692,657	Expand
City of Brecksville	SR82 Improvements	Reconstruction and addition of a 3rd lane of State Route 82 from the intersection with Brecksville Road (SR 21) east to the SR 82 Bridge.	City of Brecksville	Cuyahoga	Road Widening/New Road	2020	\$18,000,000	Expand
City of Broadview Heights	State Route 82 Improvements	Reconstruction and addition of a 3rd lane of State Route 82 from the intersection with Brecksville Road (SR 21) east to the State Route 82 Bridge.	City of Brecksville	Cuyahoga	Road Widening/New Road	2020	\$18,000,000	Expand
City of Broadview Heights	Wallings Road	Widen and Interchange Improvements at IR 77	Cuyahoga	Cuyahoga	Roadway Widening/ New Road	2021	\$12,200,000	Expand
City of Brooklyn	I-71 and Ridge Road Interchange	Construct a full four-way interchange at IR71 and Ridge Road to eliminate the W. 65th exit ramp and improve economic development opportunities along Ridge Road to I-480.	City of Brooklyn	Cuyahoga	Road Widening/New Road	2027	\$30,000,000	Expand
City of Brunswick	US42/Pearl Road Widening	Widen US42/Pearl Road from 3 to 5 lanes	City of Brunswick	Medina	Road Widening/New Road	2026	\$19,100,000	Expand
City of Cleveland	Cleveland's Multimodal Transportation Facility	Construct Cleveland's Multimodal Transportation Facility	City of Cleveland	Cuyahoga	Transit-New Facilities	2019	\$46,700,000	Enhance
City of Cleveland	Thrive 105-93	Develop a transit corridor along East 105th, Woodhill Road, and East 93rd Street to link people, place and opportunity. It will link key economic and community asset, leveraging land flanking the corridor and extend the economic development benefits of the planned Opportunity Corridor.	City of Cleveland	Cuyahoga	Transit-New Facilities	2020	\$50,854,000	Enhance

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City of Cleveland	Carter Road Lift Bridge	Rehabilitation of the Carter Road Bridge over the Cuyahoga River	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2020	\$39,000,000	Maintain
City of Cleveland	Cleveland's Midway Cycle Track	Dedicated cycle tracks and protected bike facilities on roadways within the City of Cleveland.	City of Cleveland	Cuyahoga	Bicycle-Multipurpose Trail	2018-2040	\$39,000,000	Enhance
City of Garfield Heights	Transportation Boulevard New Extension	Construct a new roadway extension of Transportation Boulevard from IR480 to Rockside Road in the City of Garfield Heights.	Garfield Heights	Cuyahoga	Road Widening/New Road	2019	\$ 11,500,000	Expand
City of Mentor	Hopkins Road Railroad Overpass	Construct a railroad overpass on Hopkins Road between Jackson Street and Tyler Boulevard. Includes roadway realignment and reconstruction.	Mentor	Lake	Bridge-New	2040	\$12,000,000	Enhance
Cuyahoga County	Denison-Harvard Road Bridge	Rehabilitation of Denison-Harvard bridge 04.09 over Cuyahoga River, GCRTA and Jennings.	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2031	\$42,000,000	Maintain
Cuyahoga County	West 140th Street Bridge 01.82	Rehabilitation of W. 140th Street bridge 01.82 over NS RR, GCRTA and service road.	City of Cleveland	Cuyahoga	Bridge Rehabilitation	2036	\$13,000,000	Maintain
Cuyahoga County	Hilliard Road Bridge (CR69)	Rehabilitation of the Hilliard Road Bridge over the Rocky River	City of Rocky River	Cuyahoga	Bridge Rehabilitation	2022	\$21,500,000	Maintain
Greater Cleveland Regional Transit Authority	GCRTA Transit Rail Car Replacements - Year 1	Rail Car Replacement	Cuyahoga County	Cuyahoga	Rail Car Replacements	2022	\$50,000,000	Maintain
Greater Cleveland Regional Transit Authority	GCRTA Transit Rail Car Replacement Year - 2	Rail Car Replacement	Cuyahoga County	Cuyahoga	Rail Car Replacements	2023	\$100,000,000	Maintain
Greater Cleveland Regional Transit Authority	GCRTA Transit Rail Car Replacement Year - 3	Rail Car Replacement	Cuyahoga County	Cuyahoga	Rail Car Replacements	2024	\$100,000,000	Maintain

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Greater Cleveland Regional Transit Authority	GCRTA Transit Rail Car Replacement Year - 4	Rail Car Replacement	Cuyahoga County	Cuyahoga	Rail Car Replacements	2025	\$50,000,000	Maintain

