

Department of Public Works
D|DM Fund 2023-2027 Capital Plan

CR 157, SR 155 Watervliet-Shaker Road (New Karner Road to Sand Creek Road) [Airport Area FGEIS]

Project Number: DPW-01-01
 Project Status: New Existing 1 Amended
 Amendment(s):
 2022-2026 reflect an updated construction cost and completed SEQR.
 2023-2027 Add another year and increase costs.

This project is Phase 3 of the Watervliet-Shaker Road Realignment Project. The section of Watervliet-Shaker Road (WSR) included in this project extends from New Karner Rd. to Sand Creek Rd. The project includes reconstruction and widening of approximately 0.75 miles of CR157 which could include the addition of a center or two additional lanes (depending on traffic study outcome), a new traffic signal at the intersection of New Karner Rd. and WSR, drainage improvements and new pavement. This last phase will complete the Albany-Shaker Rd/WSR Airport Improvement Project started in 2001.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.433	5.193	2.755					8.381
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.433	5.193	2.755	-		-	-	8.381

CR 9 (Bradt Hollow Road) Over Fox Creek Bridge Replacement Project

Project Number: DPW-10-01
 Project Status: New 1 Existing Amended
 Amendment(s):

Replacement of a 156 ft. long x 32ft. wide, 3 span pre stressed concrete box beam bridge over Fox Creek in the Town of Berne. The bridge was built in 1985, and its NYS DOT rating is currently at the minimum acceptable level. The NYS DOT rating is expected to decrease despite continued maintenance and repairs. The bridge is currently been reduced in lane width due to deteriorated fascia beams.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		2.342							2.342
State Reimbursement									-
Federal Reimbursement		(1.872)							(1.872)
Total County Cost		0.470	-	-	-	-	-	-	0.470

Highway Pavement Recycling Projects

Project Number: DPW-11-02-R
 Project Status: New Existing 1 Amended
 Amendment(s):
 2022-2026 add an additional year and update costs
 2023-2027 Increase costs.

Rehabilitation of several lane miles of County roadways by recycling pavement, re-establishing sub-base and/or repaving entire road. This pavement process is a very cost effective method of rehabilitating certain low traffic volume, rural County roadways.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		3.200	0.950	1.250	1.250	1.250	1.250	1.250	10.400
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		3.200	0.950	1.250	1.250	1.250	1.250	1.250	10.400

New Karner Road (NY 155) From US 20 to NY 5: Corridor Improvements

Project Number: DPW-11-03
 Project Status: New Existing 1 Amended
 Amendment(s):
 2023-2027 Push out start date and increase costs.

The project involves pavement rehabilitation, safety improvements, signal timing updates and addition of complete streets components along New Karner Road (NY 155) from US 20 to Watervliet Shaker Road.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)			0.460	0.190	6.550				7.200
State Reimbursement									-
Federal Reimbursement			(0.368)	(0.152)	(5.240)				(5.760)
Total County Cost		-	0.092	0.038	1.310	-	-	-	1.440

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Vehicle and Truck Replacement

Project Number: DPW-11-04-R
 Project Status: New Existing 1 Amended
 Amendment(s):
 2022-2026 Add an additional year and update vehicle costs
 2023-2027 Add an additional year and decrease costs

This project would replace heavy-duty trucks and equipment and light-duty pickup trucks and cars in accordance with our Department Vehicle and Equipment Replacement Plan.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		3.924	1.450	1.450	1.450	1.000	1.000	1.000	11.274
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		3.924	1.450	1.450	1.450	1.000	1.000	1.000	11.274

Traffic Sign Compliance Project

Project Number: DPW-12-01
 Project Status: New Existing 1 Amended
 Amendment(s):
 2023-2027 Added new end date.

This project will ensure that the County of Albany complies with Federal and State regulations contained in the national Manual on Uniform Traffic Control Devices and the New York State Supplement to the Manual on Uniform Traffic Control Devices, primarily regarding traffic sign retro reflectivity (night-time visibility). All regulatory, warning and guide signs other than street name signs must meet minimum requirements for retro reflectivity as they are replaced. There are close to 8,000 signs on County roadways, in various conditions.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.790							0.790
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.790	-	-	-	-	-	-	0.790

DPW Facilities Assessment/Building/Salt Sheds/Fuel Monitoring System

Project Number: DPW-15-01
 Project Status: New Existing 1 Amended
 Amendment(s):
 2023-2027 Added fuel remediation project to this project.

This project is an assessment to determine the feasibility of renovation or replacement of DPW facilities, buildings, salt sheds, and the fuel monitoring system. (Will also explore shared services)

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		1.000			0.350				1.350
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		1.000	-	-	0.350	-	-	-	1.350

CR 404 / CR402 over Eight Mile Creek (BIN3369600) Box Culvert Replacement Project

Project Number: DPW-18-02
 Project Status: New Existing 1 Amended
 Amendment(s):
 2023-2027 Decreased costs.

These projects were previously listed separately in the capital plan. They were combined into one project in an effort to save on construction costs. Replacement of two deteriorated Culverts: CR404 between CR10 and Basic Lane and CR402 over 8 Mile Ck (BIN 3369300) in the Town of Westerlo. Minor approach work and new rail will be included in the project.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.500	0.275						0.775
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.500	0.275	-	-	-	-	-	0.775

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CR 412 Culvert Replacement Project

Project Number: DPW-18-03
 Project Status: New Existing 1 Amended
 Amendment(s):
 2022-2026 new construction completion date.
 2023-2027 Push out end date and increase costs.

This project was previously programmed as two separate projects in the capital plan. They were combined in an effort to save on construction costs. Two Culvert replacement projects on CR412 in the Town of Westerlo were combined into one project. Site 1 is located Just South of the Berne/Westerlo Line and Site 2 is located 0.25miles North of Slade Hill Rd. The existing corrugated metal pipes and reinforced concrete pipe culverts will be replaced with precast concrete box culverts.

Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		1.200	1.800					3.000
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	1.200	1.800	-	-	-	-	3.000

Gifford Hollow Rd. over Tributary to the Switzkill (BIN 3300960)

Project Number: DPW-18-04
 Project Status: New 1 Existing Amended
 Amendment(s):
 2022-2026 change construction completion date and construction cost.

Gifford Hollow Rd. over Tributary to the Switzkill Bridge Rehabilitation Project . Replacement of a 27' x 18' concrete box culvert located in the Town of Berne. The box culvert was built in 1932 and its NYS DOT rating is approaching the minimum acceptable level. The project also includes minor approach paving on each side of the structure along with new bridge rail. The bridge is beyond its useful life.

Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)	0.157	0.535						0.692
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.157	0.535	-	-	-	-	-	0.692

Knox Cave Rd. Rehabilitation Project

Project Number: DPW-18-05
 Project Status: New 1 Existing Amended
 Amendment(s):

Amended to include addition of intersection work at Barber's corners and updated construction cost. Revised completion date. Knox Cave Road Rehabilitation Project - CR254-NY157A includes replacing/rehabbing one large culvert. Mill out top and binder course asphalt approximately 4: depth. Recycle in-place base 3" course, sub-base 2"-3" and inject liquid asphalt, grade and compact. Place 2 1/2" binder course and 1 1/2" top course.

Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)	0.492	1.900						2.392
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.492	1.900	-	-	-	-	-	2.392

Krumkill Rd. Truss over Normanskill Bridge

Project Number: DPW-18-06
 Project Status: New Existing 1 Amended
 Amendment(s):
 2022-2026 new construction year and update project costs.
 2023-2027 Increase costs.

Krumkill Rd. Truss over Normanskill Bridge Rehabilitation Project - BIN 3301270 Rehabilitation of a 137' x 29' steel truss structure. The bridge was built in 1939 and has undergone a few repairs over the past years. The bridge will be stripped and repainted along with minor repairs to the truss as part of this project. The bridge is located in the Town of New Scotland.

Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.120	1.553					1.673
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	0.120	1.553	-	-	-	-	1.673

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Old Ravena Rd. over Coeymans Creek/CR 405 over Basic Creek

Project Number: DPW-18-07
Project Status: New Existing 1 Amended
Amendment(s):

2022-2026 reflect updated construction cost.

2023-2027 Project combined into new project DPW-23-02

These projects were previously separate in the capital plan. They were combined in an effort to save on construction costs. Old Ravena Road over Coeymans Creek (BIN 3301030) and CR 405 over Basic Creek (BIN 3301590) Bridge Rehabilitation Project. Repair/replace existing deteriorated pre-stressed concrete beam structures with galvanized rolled steel beams.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)			1.389						1.389
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	1.389	-	-	-	-	-	1.389

CR311 and CR 303 (Beaver Dam Road) Rehabilitation Project

Project Number: DPW-19-01
Project Status: New 1 Existing Amended
Amendment(s):

This project will rehabilitate 1.7 miles along CR311 from CR303 to NY157 and 2.0 miles along CR303 from CR303 to NY157A in the Towns of New Scotland and Berne. Full Depth Reclamation of 3.7 miles of existing asphalt followed by placing 3" base, 2 1/2" binder and 1 1/2" of top course asphalt over recycled roadway.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		1.750	0.850						2.600
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		1.750	0.850	-	-	-	-	-	2.600

HHRT Bridge over State RTE 85

Project Number: DPW-19-04
Project Status: New Existing 1 Amended
Amendment(s):

2022-2026 new construction completion date

2023-2027 Push out construction completion date and increase costs.

Replacement of the existing HHRT Bridge (BIN 7032650) over New Scotland Road (State RTE 85) with a pedestrian structure. The existing girder and floorbeam structure was built approximately in 1912. It is located in the Town of Bethlehem. The bridge is not currently posted as it is used for pedestrian traffic only, however advanced section loss in the many of the steel columns combined with severe impact distortion to two columns makes this bridge a candidate for replacement. The bridge also has substandard vertical clearance of 12'-2", 14' is the required minimum.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.150	2.800	0.916					3.866
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.150	2.800	0.916	-	-	-	-	3.866

DPW Facilities Improvement Project

Project Number: DPW-19-05
Project Status: New Existing 1 Amended
Amendment(s):

2023-2027 Combine into sub-station project.

Replacement of mechanical equipment, garage doors, entry doors, carwash updates, plumbing updates, roofing, windows, internet services, and flooring in various DPW subdivisions.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.350							0.350
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.350	-	-	-	-	-	-	0.350

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CR352 over Fox Creek Bridge Replacement Project - BIN-3301400

Project Number: DPW-20-03
 Project Status: New Existing 1 Amended
 Amendment(s):

2022-2026 new construction year and updated construction cost
 2023-2027 Push out construction completion date and increase costs.

This project will replace the existing 40' long A588 steel bridge over Fox Creek in the Town of Rensselaerville. Minor approach work and new railing will be included in the project.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.180		2.070					2.250
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.180	-	2.070	-	-	-	-	2.250

CR405 over 8 Mile Creek Culvert Replacement

Project Number: DPW-20-04
 Project Status: New Existing 1 Amended
 Amendment(s):

2022-2026 New construction year and to update design and construction costs. We applied for
 2023-2027 Push out start date and increase costs.

This project replaces the existing triple, 60 foot long, 4 foot diameter corrugated metal pipe culverts with a single pre-cast concrete box culvert. The project is in the Town of Westerlo. Minor approach work and new railing will be included.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		0.155		1.545					1.700
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		0.155	-	1.545	-	-	-	-	1.700

Construction New Garage Buildings with Office Space for Various Subdivisions

Project Number: DPW-22-04
 Project Status: New Existing 1 Amended
 Amendment(s):

2023-2027 Increase costs and combine with facilities project.

This project will construct new garages and office space at our Knox and Coeymans subdivisions. The existing structures are beyond their useful life. The new structures will be large enough to house our plow trucks and heavy equipment and will save on future energy costs. Deficiencies noted in the "Department of Public Works Facility Assessment" report by C&S Companies in 2016, noted extensive structural, mechanical, and electrical system upgrades are needed at both locations. The existing structures, are undersized and deteriorated to the point that rehabilitation is not cost effective. Replacement of mechanical equipment, garage doors, entry doors, carwash updates, plumbing updates, roofing, windows, internet services, and flooring in various DPW subdivisions.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)			5.000	5.250					10.250
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	5.000	5.250	-	-	-	-	10.250

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Various Bridge Deck Replacements

Project Number: DPW-22-05
Project Status: New Existing 1 Amended
Amendment(s):

2023-2027 Decreased design and CI costs, increased construction costs.

This project will replace the deteriorated wooden bridge decks on three Ohio Truss Structures in the Town of New Scotland. The bridges are as follows: BIN 3301340 - Old Plank Rd. over Onesquethaw Creek, BIN 3301310 - Onesquethaw Creek Rd. over Onesquethaw Creek and BIN 3301300- Rowe Rd. over Onesquethaw Creek. The existing bridge dimensions are as follows: L 65' W 12', L 47' W 14' and L 68' W 12' respectively. Minor work will be done on approaches, railings bearings and substructures.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)			0.145	1.250					1.395
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	0.145	1.250	-	-	-	-	1.395

Albany County Culvert Replacements and Rehabilitation

Project Number: DPW-23-01
Project Status: 1 New Existing Amended
Amendment(s):

As part of our normal operations we occasionally need to replace culverts on County roads. This project involves construction and reconstruction of various culverts in Albany County, including but not limited to, culverts on CR 358 over Unknown Creek in the Town of Rensselaerville and CR 111 over Unnamed Creek in Coeymans, CR55 (Creble Rd.) over Vlomankill Culvert Relining Project (BIN 3363610) as well as any necessary approach work, associated railings, etc.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)				0.500	1.500	0.500	3.000	1.250	6.750
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	-	0.500	1.500	0.500	3.000	1.250	6.750

Albany County Bridge Replacements and Rehabilitation

Project Number: DPW-23-02
Project Status: 1 New Existing Amended
Amendment(s):

As part of our regular maintenance and construction cycle we are responsible for numerous Bridges and their associated infrastructure. This project covers construction and reconstruction of various bridges in Albany, County, including, but not limited to, the following bridges: CR 352 (Fox Creek Rd) BIN 3301500, CR 111 (Alcove Rd) over Hannacroix Creek - BIN 3301090, CR 111 over Hannacroix Creek - BIN 3301070, CR 106 (Thompkins Rd) over Hannacroix Creek - BIN 3301100, CR 406 over Basic Creek - BIN 3301560, CR 201 (Depot Rd) over Black Creek - BIN 3301160 , CR 357 over Ten Mile Creek - BIN 3301460, CR 403 over Wolf Fly Creek- BIN 3301570, CR 201 over Black Creek Bridge Replacement, and CR 102 over Onesquethaw Creek Bridge Rehabilitation.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)				1.000	3.500	5.500	5.750	2.500	18.250
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	-	1.000	3.500	5.500	5.750	2.500	18.250

Albany Shaker Road Corridor Enhancements

Project Number: DPW-23-03
Project Status: 1 New Existing Amended
Amendment(s):

This project is part of the 2022-2027 TIP program. It would design the following: safety improvements at the intersection of Albany Shaker Rd. (ASR) and Everett Rd. (CR 155); safety and operational improve-ments at the intersection of ASR and Osborne Rd., left turn lanes at the Crossings/Emerich Rd. intersection and low cost changes at the Maxwell Rd. roundabout to reduce crashes. In addition, the project would design sidewalks along the corridor where practical and make ADA improvements.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)					0.780				0.780
State Reimbursement									-
Federal Reimbursement					(0.624)				(0.624)
Total County Cost		-	-	-	0.156	-	-	-	0.156

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Improvement and Acquisition of Albany County Recreational Facilities

Project Number: DPW-23-04

Project Status: 1 New Existing Amended

Amendment(s):

The purpose of the project is to improve and acquire recreational areas and facilities for the residents of Albany County, including, but not limited to the Albany County Rail Trail, Lawson Lake & Ann Lee Pond

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)				0.550	0.450				1.000
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	-	0.550	0.450	-	-	-	1.000

Rail Trail Pedestrian Bridge Rehabilitation

Project Number: DPW-23-05

Project Status: 1 New Existing Amended

Amendment(s):

This project will design plans and investigate grant funding to rehabilitate various Albany County Rail Trail Bridges.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)							0.250		0.250
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	-	-	-	-	0.250	-	0.250

Potter Hollow Creek (CR 354) Stream Bank Stabilization

Project Number: DPW-23-06

Project Status: 1 New Existing Amended

Amendment(s):

This project will design stream bank stabilization along a ¼ mile length of Potter Hollow Creek in order to prevent washout of material behind our bridge wingwall on CR 354 over Potter Hollow Creek, (BIN 3301360). Included in the design will be grant writing to secure funding to construct the project.

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)				0.250					0.250
State Reimbursement									-
Federal Reimbursement									-
Total County Cost		-	-	0.250	-	-	-	-	0.250

Public Works Capital Plan Summary: All Projects

New Projects: 6

Existing Projects: 4

Amended Projects: 16

Project Financing (in millions of dollars)

	Year	Pre 2022	2022	2023	2024	2025	2026	2027	Total
County Debt (Bonds & BANS)		15.423	22.267	22.329	15.830	8.250	11.250	6.000	101.349
State Reimbursement		-	-	-	-	-	-	-	-
Federal Reimbursement		(1.872)	(0.368)	(0.152)	(5.864)	-	-	-	(8.256)
Total County Cost		13.551	21.899	22.177	9.966	8.250	11.250	6.000	93.093