

DFUND - Public Works

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

This project is Phase 3 of the Watervliet-Shaker Road Realignment Project. The section of Watervliet-Shaker Road included in this project extends from New Karner Road to Sand Creek Road. The project includes reconstruction and widening of approximately 0.75 miles of CR 157 which includes the addition of a turning lane, improvements to drainage, and new pavement. The last phase will complete the Albany Shaker Road/Watervliet Shaker Road Airport Improvement Project to start in 2021.

New Project:	Existing Projects:	Amended Projects: 1
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Project amended in 2019-2023 - removed mitigation fees funds.

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)						6.435		6.435
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	-	-	6.435	-	6.435

Capital Committee Recommendation: Complete as scheduled.

CR 352 Fox Creek Road Bridge Replacement Project

Replacement of a 30'X30' twin cell concrete box culvert over the Squirmer Creek in the Town of Rensselaerville. The box culvert was built in 1951 and it NYSDOT rating is currently below the minimum acceptable level. The project also includes minor approach paving on each side of the structure. Additional money added for design of this project. The bridge is beyond its useful life.

New Project:	Existing Projects: 1	Amended Projects:
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Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	0.165	1.103						1.268
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.165	1.103	-	-	-	-	-	1.268

Capital Committee Recommendation: Complete as scheduled.

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

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.

New Project:	Existing Projects: 1	Amended Projects:
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Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	2.342							2.342
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement	(1.872)							(1.872)
Total County Cost	0.470	-	-	-	-	-	-	0.470

Capital Committee Recommendation: Complete as scheduled.

Highway Pavement Recycling Projects

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

New Project:	Existing Projects:	Amended Projects: 1
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Project Amended in 2019-2023 - increasing annual cost.

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	2.350	0.850	0.950	0.950	0.950	0.950	0.950	7.950
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	2.350	0.850	0.950	0.950	0.950	0.950	0.950	7.950

Capital Committee Recommendation: Complete as scheduled.

Large Culvert Replacement Project

The project includes removing large deteriorated concrete box culverts and large corrugated metal pipes and replacing with new pre-cast concrete box culverts at various sites throughout Albany county. Four sites are anticipated. Project will also include minor approach paving and guiderail installation.

New Project:

Existing Projects: 1

Amended Projects:

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	0.315	2.100						2.415
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.315	2.100	-	-	-	-	-	2.415

Capital Committee Recommendation: Complete as scheduled.

CR55 (Creble Rd.) over Vlomankill Culvert Project

CR55 (Creble Rd.) over Vlomankill Culvert Relining Project (BIN 3363610) - Slip line in place, 3 deteriorated corrugated metal pipes built in 1976 145' long x 35' wide. The culverts have deteriorated to the point that rehabilitation or replacement is necessary. The cost to rehabilitate will be 3-4 times less expensive than replacement.

New Project:

Existing Projects: 1

Amended Projects:

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)					0.201	0.750		0.951
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	-	0.201	0.750	-	0.951

Capital Committee Recommendation: Complete as scheduled.

CR253 (Bozenkill Rd.) over CSX Tracks

CR253 (Bozenkill Rd.) over Rail Road Tracks (BIN 3301240) Bridge Rehabilitation Project. Rehabilitation of a pre-stressed concrete box beam superstructure and deck. Bridge was built in 1981 and is 95' long x 25' wide. Located in the Town of Knox. The bridge has a NYS DOT condition rating of 3.882 and is currently below NYS DOT acceptable standards.

New Project:

Existing Projects: 1

Amended Projects:

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	-	0.298	1.041					1.339
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	0.298	1.041	-	-	-	-	1.339

Capital Committee Recommendation: Complete as scheduled.

CR 404 Culvert Replacement Project

Culvert Replacement Project CR404 between CR410 and Basic Lane. Replace existing concrete box culvert approximately 30.5' x 12.5' located in the Town of Westerlo. Built in 1934. The concrete box culvert is narrow and in poor shape. Because of its length, less than 20' it is not subject to NYS DOT annual inspection. Project to include installing a wider concrete box culvert, minor approach work over both sides and new bridge rail.

New Project:

Existing Projects: 1

Amended Projects:

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)			0.128	0.338				0.466
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	0.128	0.338	-	-	-	0.466

Capital Committee Recommendation: Complete as scheduled.

Krumkill Rd. Truss over Normanskill Bridge

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.

New Project:**Existing Projects:** 1**Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)					0.900			0.900
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	-	0.900	-	-	0.900

Capital Committee Recommendation: Complete as scheduled.**Lawson Lake Facility Improvements**

This project includes planning, studies, survey, mapping permitting design and construction required to update the infrastructure at Lawson Lake County Park. The project is a follow up to the Lawson Lake County Park Feasibility Study dated September 2016. **Description**

Amendment: Provide potable running water and sanitary waste removal systems to park users. No change in funding.

New Project:**Existing Projects:****Amended Projects:** 1

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	-	0.160	0.700					0.860
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	0.160	0.700	-	-	-	-	0.860

Capital Committee Recommendation: Complete as scheduled.**Old Ravena Rd. over Coeymans Creek**

Old Ravena Road over Coeymans Creek (BIN 3301030) Bridge Rehabilitation Project. Repair/replace existing deteriorated pre-stressed concrete "t" beam structure. Bridge is 77' long by 23' wide. New bridge rail will also be installed. The bridge was built in 1975 and its NYS DOT condition rating is 4.891 and is currently below the minimum acceptable level. The NYS DOT rating is expected to decrease due to age and condition of structure.

New Project:**Existing Projects:** 1**Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)			0.182	0.701				0.883
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	0.182	0.701	-	-	-	0.883

Capital Committee Recommendation: Complete as scheduled.**Various Bridge Deck Replacement Projects**

Various Bridge Deck Replacement/Rehabilitation Projects of four (4) Bridges. CR202(BIN 3301168), CR405 (BIN 3301590), CR357 (BIN3301460), CR353 (BIN 3301470) Work includes replacement of deteriorating concrete superstructures, armor joints and bridge rail.

New Project:**Existing Projects:** 1**Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	-	0.435	1.789					2.224
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	0.435	1.789	-	-	-	-	2.224

Capital Committee Recommendation: Complete as scheduled.

CR311 and CR 303 (Beaver Dam Road) Rehabilitation Project

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 existing asphalt followed by placing 3" base, 2 1/2" binder and 1 1/2" of top course asphalt over recycled roadway.

New Project: 1 **Existing Projects:** **Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)			1.750					1.750
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	1.750	-	-	-	-	1.750

Capital Committee Recommendation: Complete as scheduled.

357 over Ten Mile Creek Superstructure Replacement

Superstructure replacement of CR357 over Ten Mile Creek (BIN 3301460). The existing 42' x 33' pre-stressed concrete box beam superstructure with a concrete deck was constructed in 1987. The superstructure is in need of replacement.

New Project: 1 **Existing Projects:** **Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)					0.150	0.700		0.850
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	-	0.150	0.700		0.850

Capital Committee Recommendation: Complete as scheduled.

CR402 over Eight Mile Creek (BIN3369600) Box Culvert Replacement

Replacement of Concrete Box Culvert on CR 402 over Eight Mile Creek. The NYSDOT condition rating of the structure is 4.545 which is considered deficient.

New Project: 1 **Existing Projects:** **Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)				0.175	0.825			1.000
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	0.175	0.825	-	-	1.000

Capital Committee Recommendation: Complete as scheduled.

CR403 over Wolf Fly Creek and CR 405 over Basic Creek Superstructure Repl.

Superstructure replacement of CR403 over Wolf Fly Creek (BIN 3301570) and CR 405 over Basic Creek (BIN 3301590). Both structures are currently rated below a 5 which is considered deficient by NYSDOT Standards.

New Project: 1 **Existing Projects:** **Amended Projects:**

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)				0.300	1.200			1.500
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	0.300	1.200	-	-	1.500

Capital Committee Recommendation: Complete as scheduled.

HHRT Bridge over State RTE 85

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.

New Project: 1 Existing Projects: Amended Projects:

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)			0.150	0.850				1.000
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	0.150	0.850	-	-	-	1.000

Capital Committee Recommendation: Complete as scheduled.

DPW Facilities Improvement Project

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

New Project: 1 Existing Projects: Amended Projects:

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)			0.350					0.350
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	0.350	-	-	-	-	0.350

Capital Committee Recommendation: Complete as scheduled.

Public Works Capital Plan Summary: All Projects

New Projects: 6
Existing Projects: 18
Amended Projects: 6

Project Financing (in millions of dollars)

Year	Pre 2018	2018	2019	2020	2021	2022	2023	Total
County Debt (Bonds & BANS)	10.506	7.791	9.982	6.346	6.816	11.760	1.960	55.161
Mitigation Fees	-	-	-	-	-	-	-	-
State Reimbursement	-	(1.003)	-	-	-	-	-	(1.003)
Federal Reimbursement	(1.872)	-	-	-	-	-	-	(1.872)
Total County Cost	8.634	6.788	9.982	6.346	6.816	11.760	1.960	52.286