

**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.

Amended Project: Change in Schedule

Project Financing (in millions of dollars)

Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	2.240	0.102						2.342
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement	(1.872)							(1.872)
Total County Cost	0.368	0.102	-	-	-	-	-	0.470

Capital Committee Recommendation: Complete as scheduled.

**CR 55 (Creble Road) Over Vloman Kill Bridge Replacement Project**

Slip line in place of a 45 ft. long x 33 ft. wide, three corrugated metal pipe bridge over Vloman Kill in the Town of Bethlehem. The bridge was built in 1976, 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 well beyond its useful life.

Amended Project: Change in Schedule.

Project Financing (in millions of dollars)

Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	0.750							0.750
Mitigation Fees								
State Reimbursement								
Federal Reimbursement								
Total County Cost	0.750	-	-	-	-	-	-	0.750

Capital Committee Recommendation: Complete as scheduled.

**Helderburg-Hudson Rail Trail Connecting Link between Phase I and Phase II**

This project would include minor repairs to the New Scotland Avenue Bridge to safely accommodate pedestrians and bicyclists. It would also eliminate encroachments at a private residence and a business in the immediate area. Additional money has been added for the design of this project.

Existing Project

Project Financing (in millions of dollars)

Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	0.075	0.875						0.950
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.075	0.875	-	-	-	-	-	0.950

Capital Committee Recommendation: Complete as scheduled.

<b>Various Culvert Replacement Projects</b>								
The project includes removing existing deteriorated concrete box culverts and replacing with new pre-cast concrete box culverts at three (3) sites in the Town of Westerlo and repair to an existing concrete box culvert in the Town of New Scotland. The project also includes minor approach paving and guide rail installation.								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	0.669	0.171						0.840
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.669	0.171	-	-	-	-	-	0.840
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>Traffic Sign Compliance Project</b>								
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.								
Amended Project: Change in Schedule and Cost								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)				0.475	0.315	0.325		1.115
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	0.475	0.315	0.325	-	1.115
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR 157, SR 155 Watervliet-Shaker Road (New Karner Road to Sand Creek Road) [Airport Area FGEIS]</b>								
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 started in 2001.								
Amended Project: Delayed until April 2022								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)							6.435	6.435
Mitigation Fees							(3.600)	(3.600)
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	-	-	-	2.835	2.835
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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

Various intersection improvements along New Karner Road from US 20 to NY 5. Improvements to this busy corridor benefits the traveling public and Emergency Services. Traffic flow and gridlock issues increase every year in this area. This project is a complete re-engineering of the area which may include but not limited to roundabouts and/or other major improvements to help the traveling public and Emergency Services flow more smoothly.

Amended Project: Delayed start date until April 2022

Project Financing (in millions of dollars)

Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)							1.875	1.875
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	-	-	-	-	1.875	1.875

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.

Amended Project: Change in Cost

Project Financing (in millions of dollars)

Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	1.500	0.850	0.850	0.850	0.850	0.850	0.850	6.600
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	1.500	0.850	0.850	0.850	0.850	0.850	0.850	6.600

Capital Committee Recommendation: Complete as scheduled.

**Vehicle and Truck Replacement**

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.

Amended Project: Change in Cost

Project Financing (in millions of dollars)

Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	1.347	0.732	0.745	0.782	0.821	0.862	0.906	6.195
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	1.347	0.732	0.745	0.782	0.821	0.862	0.906	6.195

Capital Committee Recommendation: Complete as scheduled.

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<b>Large Culvert Replacement Project</b>								
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.								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	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
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR 352 Fox Creek Road Bridge Replacement Project</b>								
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.								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	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
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR 10 Huntersland Road Bridge Replacement Project</b>								
Replacement of a 25.5' long X 26' wide prestressed concrete beam structure over the Little Schoharie Creek in the Town of Berne. The bridge was built in 1953 and its NYSDOT rating is currently below the minimum acceptable level. The project also includes paving of the approaches on each side of the bridge. The bridge is well beyond its useful life.								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	0.135	0.900						1.035
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.135	0.900	-	-	-	-	-	1.035
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR 11 Highway Rehabilitation Project</b>								
Rehabilitation of approximately 3/4 miles of CR11 between CR412 and NY85 in the Town of Berne. Work includes rehabilitation of roadway by recycling existing asphalt pavement and repaving with base binder and top course asphalt. Also includes modifications to intersection at NY85, replacement of deteriorated concrete box culvert and upgrades to poorly functioning drainage system. Spot full depth replacement will be required at various locations along roadway. Pavement striping will also be included.								
Amended Project: Delayed start until April 2018.								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)			1.250					1.250
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	1.250	-	-	-	-	1.250
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR 151 (Albany -Shaker Road/Dalessandro Blvd. Hwy Resurfacing Project</b>								
Recycling of approximately 1.6 miles of CR151 between CR153 Old Wolf Road and CR157 Watervliet-Shaker Road in the Town of Colonie. Work includes in place recycling of existing asphalt topped with a thin overlay. Pavement striping will also be included.								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	1.068							1.068
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement	(0.854)							(0.854)
Total County Cost	0.214	-	-	-	-	-	-	0.214
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>DPW Facilities Assessment/Building/Salt Sheds/Fuel Monitoring System</b>								
This project is an assessment to determine the feasibility or repair/replacement of DPW facilities, buildings, salt sheds, and the fuel monitoring system. (Will also explore shared services)								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)	0.700	0.300						1.000
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	0.700	0.300	-	-	-	-	-	1.000
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>Weaver Road Bridge Rehabilitation Project</b>								
Rehabilitation of an existing deteriorated pre-stressed concrete box beam structure over the Black Creek in the Town of Guilderland. The bridge was built in 1975 and is currently closed to traffic. It's NYS DOT rating is currently below the minimum acceptable level. The bridge superstructure has failed and is in need of replacement.								
Existing Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)		0.090	0.600					0.690
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
<b>Total County Cost</b>	-	0.090	0.600	-	-	-	-	0.690
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR55 (Creble Rd.) over Vlomankill Culvert Project</b>								
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								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)						0.201	0.750	0.951
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
<b>Total County Cost</b>	-	-	-	-	-	0.201	0.750	0.951
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR253 (Bozenkill Rd.) over CSX Tracks</b>								
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								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)			0.298	1.041				1.339
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
<b>Total County Cost</b>	-	-	0.298	1.041	-	-	-	1.339
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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<b>CR 404 Culvert Replacement Project</b>								
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								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)				0.128	0.338			0.466
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
<b>Total County Cost</b>	-	-	-	0.128	0.338	-	-	0.466
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>CR 412 Culvert Replacement Project</b>								
Culvert Replacement Project located in the Town of Westerlo on CR412. Replacement of three (3) sets of deteriorated culvert pipes. These culverts are prone to flooding and are in need of replacement. We anticipate using three (3) three sided low profile box culverts. Work would include paving and new bridge rail.								
New Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)					0.200	0.700		0.900
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
<b>Total County Cost</b>	-	-	-	-	0.200	0.700	-	0.900
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

<b>Gifford Hollow Rd. over Tributary to the Switzkill</b>								
Gifford Hollow Rd. over Tributary to the Switzkill Bridge Rehabilitation Project (BIN 3300960). 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.								
New Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)					0.157	0.535		0.692
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
<b>Total County Cost</b>	-	-	-	-	0.157	0.535	-	0.692
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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Knox Cave Rd. Rehabilitation Project								
Knox Cave Rd. Rehabilitation Project - CR254 to NY157A includes replacing/rehabbing one large culvert. Mill out top and binder course asphalt approximately 4" depth. Recycle in-place base(3") course and (2"-3") of subbase and inject liquid asphalt, grade and compact. Place 2 1/2" binder course and 1-1/2" top course asphalt.								
New Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
<b>County Debt (Bonds &amp; BANS)</b>				0.492	1.275			1.767
<b>Mitigation Fees</b>								-
<b>State Reimbursement</b>								-
<b>Federal Reimbursement</b>								-
<b>Total County Cost</b>	-	-	-	0.492	1.275	-	-	1.767
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
<b>County Debt (Bonds &amp; BANS)</b>						0.900		0.900
<b>Mitigation Fees</b>								-
<b>State Reimbursement</b>								-
<b>Federal Reimbursement</b>								-
<b>Total County Cost</b>	-	-	-	-	-	0.900	-	0.900
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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.								
New Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
<b>County Debt (Bonds &amp; BANS)</b>			0.160	0.700				0.860
<b>Mitigation Fees</b>								-
<b>State Reimbursement</b>								-
<b>Federal Reimbursement</b>								-
<b>Total County Cost</b>	-	-	0.160	0.700	-	-	-	0.860
<b>Capital Committee Recommendation: Complete as scheduled.</b>								



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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 it 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								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	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
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	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
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

HHRT Phase I Paving Project								
Pave approximately five miles of 10' wide trail using 2" binder course asphalt and 2" top course asphalt. Subbase to be provided and installed by Albany County forces. Also included is installation of three rail wooden fencing, pedestrian fencing and misc. signage. County forces to provide shoulder backup and turf establishment.								
New Project								
Project Financing (in millions of dollars)								
Year	Pre 2017	2017	2018	2019	2020	2021	2022	Total
County Debt (Bonds & BANS)			1.500					1.500
Mitigation Fees								-
State Reimbursement								-
Federal Reimbursement								-
Total County Cost	-	-	1.500	-	-	-	-	1.500
<b>Capital Committee Recommendation: Complete as scheduled.</b>								

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Public Works Capital Plan Summary: All Projects								
<b>New Projects: 11</b>								
<b>Existing Projects: 8</b>								
<b>Amended Projects: 8</b>								
<b>Project Financing (in millions of dollars)</b>								
<b>Year</b>	<b>Pre 2017</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>County Debt (Bonds &amp; BANS)</b>	8.484	4.500	9.041	6.439	4.657	4.373	10.816	48.310
<b>Mitigation Fees</b>	-	-	-	-	-	-	(3.600)	(3.600)
<b>State Reimbursement</b>	-	-	-	-	-	-	-	-
<b>Federal Reimbursement</b>	(2.726)	-	-	-	-	-	-	(2.726)
<b>Total County Cost</b>	5.758	4.500	9.041	6.439	4.657	4.373	7.216	41.984