

## D FUND CAPITAL PROJECTS:

### Public Works

#### Helderburg-Hudson Rail Trail Project

The project would construct a bikeway on the abandoned Canadian Pacific Rail Line which runs from the Village of Voorheesville, through the Towns of New Scotland and Bethlehem, to the City of Albany. The project includes paving a 10-foot path, improving drainage, installing guide rail, rehabilitating bridges, installing signage, and constructing parking lots and access ways.

**Amended Project: Change in Schedule and Project Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	0.532	-	6.800	-	-	-	-	7.332
Federal Aid	-	0.426	-	1.942	-	-	-	2.368
<b>Total Cost</b>	<b>0.532</b>	<b>0.426</b>	<b>6.800</b>	<b>1.942</b>	-	-	-	<b>9.700</b>

#### CR 53 (Jericho Road) Over the CSX Railroad Bridge Replacement Project

The project entails replacement of a (1,135 foot long x 28 foot wide) steel bridge over the CSX Rail Yards in the Town of Bethlehem. The bridge was built in 1923, 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 and Project Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	8.744	-	-	-	-	-	-	8.744
Federal Aid	-	-	-	6.996	-	-	-	6.996
State Aid	-	-	-	1.151	-	-	-	1.151
<b>Total Cost</b>	<b>8.744</b>	-	-	<b>8.147</b>	-	-	-	<b>16.891</b>

#### Vehicle and Truck Replacement

This project would replace heavy-duty trucks and equipment and light-duty trucks and cars in accordance with our Department Vehicle and Equipment Replacement Plan. We will be revising the fifth year of the plan for next year.

**Amended Project: Change in Project Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	0.853	-	-	-	-	0.853
<b>Total Cost</b>	-	-	<b>0.853</b>	-	-	-	-	<b>0.853</b>

## D FUND CAPITAL PROJECTS: Public Works

### Highway Pavement Recycling Projects

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

**Existing Project**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	0.750	0.750	0.750	0.750	0.750	3.750
<b>Total Cost</b>	-	-	<b>0.750</b>	<b>0.750</b>	<b>0.750</b>	<b>0.750</b>	<b>0.750</b>	<b>3.750</b>

### CR 352 (Fox Creek Road) Fox Creek Bank Erosion Stabilization Project

This project includes placement of asphalt concrete pavement and sub-base, removal of unsuitable material, placement of heavy stone fill and embankment, grading the embankment and stream channel, placement of a guide rail, and pavement striping. Also included in the project is the rehabilitation of two existing bridge structures as well as outlet stabilization of existing aluminum plate pipe arch. As part of the project a hydraulic stream analysis study will be performed outlining potential repair alternatives.

**New Project**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	-	-	0.215	-	1.065	1.280
<b>Total Cost</b>	-	-	-	-	<b>0.215</b>	-	<b>1.065</b>	<b>1.280</b>

### Patroon Creek Trail Project

The Patroon Creek Trail project would be a 6.5 mile pedestrian and bicycle path with off-road and on-road

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	1.180	-	5.761	-	-	6.941
<b>Total Cost</b>	-	-	<b>1.180</b>	-	<b>5.761</b>	-	-	<b>6.941</b>

### Weaver Road Over Black Creek Bridge Replacement Project

The project entails replacement of a 62-foot long x 26-foot wide, pre-stressed concrete box beam bridge over the

**New Project**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	-	0.060	0.360	-	-	0.420
<b>Total Cost</b>	-	-	-	<b>0.060</b>	<b>0.360</b>	-	-	<b>0.420</b>

**D FUND CAPITAL PROJECTS:  
Public Works**

<b>Pictuay Road Over Coeymans Creek Bridge Replacement Project</b>								
Replacement of a 68-foot long x 30-foot wide, pre-stressed concrete T-beam bridge over Coeymans Creek in the Town of Bethlehem. The bridge was built in 1963, and its NYS DOT rating is currently at the minimum acceptable level. The NYS DOT rating is expected to decrease despite continued maintenance repairs. The bridge is well beyond its useful life.								
<b>Amended Project: Change in Project Schedule and Cost</b>								
<i>Project Financing (in millions of dollars)</i>								
<b>Year</b>	<b>Pre-2009</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
County Bonds	-	0.450	-	0.900	-	-	-	1.350
Federal Aid	-	-	0.360	-	0.720	-	-	1.080
State Aid	-	-	-	-	0.135	-	-	0.135
<b>Total Cost</b>	-	<b>0.450</b>	<b>0.360</b>	<b>0.900</b>	<b>0.855</b>	-	-	<b>2.565</b>

<b>CR 354 (Potter Hollow Road) &amp; CR 362 (Scott Patent Road) Rehabilitation Project</b>								
The project includes partial full depth reconstruction along with roadway reclamation of approximately 1.9 miles on CR 354 and 2.1 miles on CR 362, which are two lane roads in the Town of Rensselaerville. The project also includes improvements to open drainage systems, culverts, road shoulders, traffic signs and guide rail.								
<b>Amended Project: Change in Project Schedule and Cost</b>								
<i>Project Financing (in millions of dollars)</i>								
<b>Year</b>	<b>Pre-2009</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
County Bonds	-	-	-	-	5.903	-	-	5.903
<b>Total Cost</b>	-	-	-	-	<b>5.903</b>	-	-	<b>5.903</b>

<b>CR 55 (Creble Road) Over Vloman Kill Replacement Project</b>								
Slip line in place of a 45-foot long x 33-foot wide, three corrugated metal pipe bridge over the 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.								
<b>Amended Project: Change in Project Schedule and Cost</b>								
<i>Project Financing (in millions of dollars)</i>								
<b>Year</b>	<b>Pre-2009</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
County Bonds	-	-	-	0.070	0.468	-	-	0.538
<b>Total Cost</b>	-	-	-	<b>0.070</b>	<b>0.468</b>	-	-	<b>0.538</b>

**D FUND CAPITAL PROJECTS:  
Public Works**

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

The project entails replacement of a 156-foot long x 32-foot wide, 3 span prestressed concrete box beam bridge over the 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**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	0.140	0.910	-	-	-	1.050
<b>Total Cost</b>	-	-	<b>0.140</b>	<b>0.910</b>	-	-	-	<b>1.050</b>

**CR 262 (Middle Road) Rehabilitation Project**

The project includes partial full depth reconstruction along with roadway reclamation of approximately 4.6 miles of two-lane road in the Town of Knox. The project also includes improvements to the open drainage system, culverts, road shoulders, traffic signs and guard rails.

**Amended Project: Change in Project Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	-	6.180	-	-	-	6.180
<b>Total Cost</b>	-	-	-	<b>6.180</b>	-	-	-	<b>6.180</b>

**CR 154 (Osborne Road) NY 5 to CR 151 Rehabilitation Project**

This project includes milling and replacing of asphalt wearing course for approximately 1.9 miles of two-lane road in the Town of Colonie. The project also includes improvements to existing drainage structures and extending sidewalk to NY 151. A right-of-way will be required for the project.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	0.420	-	3.177	-	-	-	3.597
<b>Total Cost</b>	-	<b>0.420</b>	-	<b>3.177</b>	-	-	-	<b>3.597</b>

## D FUND CAPITAL PROJECTS: Public Works

### CR 156 (Fuller Road/Washington Avenue Extension) Intersection Project

Reconstruct the existing intersection by constructing a modern, 2-lane roundabout on the existing right-of-way. The intersection approaches will be reconstructed. Curbs, concrete sidewalks, closed drainage systems and street lighting will be installed. Improvements will be made to bicycle and pedestrian access and landscaping.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	0.876	3.994	15.580	-	-	-	-	20.450
Federal Aid	-	-	-	4.000	-	-	-	4.000
State Aid				10.000				10.000
<b>Total Cost</b>	<b>0.876</b>	<b>3.994</b>	<b>15.580</b>	<b>14.000</b>	-	-	-	<b>34.450</b>

### Albany-Shaker/Maxwell Roads Intersection Relocation Project

The intersection of Albany-Shaker Road (CR 151) and Maxwell Road (Town road) in the Town of Colonie is being relocated to the east because of congestion at the Albany-Shaker/Wolf Roads intersection further west. The project is part of the Capital District Transportation Committee, Transportation Improvement Program and is administered by the NYS DOT. The project has been delayed by the U.S. Army Corps of Engineers approval.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	0.608	5.105	-	-	-	-	-	5.713
Federal Aid	-	-	5.105	-	-	-	-	5.105
State Aid	0.456	-	-	-	-	-	-	0.456
Town of Colonie	0.076	-	-	-	-	-	-	0.076
<b>Total Cost</b>	<b>1.140</b>	<b>5.105</b>	<b>5.105</b>	-	-	-	-	<b>11.350</b>

### Energy Efficiency Project

The project includes replacement of current membrane roof of approximately 31,500 square feet with a new membrane roof. The current roof is over 25-years old and has deteriorated beyond repair. The project will also replace 5,700 square feet of existing single pane windows in the DPW administration building and shop with new double pane energy efficient windows.

**Existing Project**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	1.051	-	-	-	-	-	1.051
<b>Total Cost</b>	-	<b>1.051</b>	-	-	-	-	-	<b>1.051</b>

## D FUND CAPITAL PROJECTS: Public Works

### CR 153 Old Wolf Road Intersection and Highway Improvement Project

The project entails reconstruction and widening of 0.8 miles of existing 2-lane road into two 11-foot travel lanes, 12-16-foot left turn medians and 4-foot paved shoulders. The existing 5-legged intersection at Watervliet Shaker Road will be relocated/redesigned to eliminate one leg and improve geometry. Curbs, concrete sidewalks, a closed drainage system and improved signs and signals will be installed. The project entails the County share of Old Wolf Road, Old Niskayuna Road, Watervliet-Shaker Road NYS DOT Intersection Project.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	0.900	-	3.100	-	-	-	4.000
<b>Total Cost</b>	-	<b>0.900</b>	-	<b>3.100</b>	-	-	-	<b>4.000</b>

### CR 157, SR 155 Watervliet Shaker Road (New Karner Road to Sand Creek Road)

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: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	0.375	-	3.500	-	-	-	-	3.875
Private (Mitigation Fees)	-	-	-	1.430	-	-	-	1.430
<b>Total Cost</b>	<b>0.375</b>	-	<b>3.500</b>	<b>1.430</b>	-	-	-	<b>5.305</b>

### CR 156 (Fuller Road) Rehabilitation Project

Rehabilitation of 1.7 miles of Fuller Road in the Towns of Guilderland and Colonie and the City of Albany from SR 5 (Central Avenue) to US 20 (Western Avenue). The project includes improvements to the existing closed drainage system, rehabilitation of existing concrete roadway and curbing, then an overlay of asphalt concrete on existing concrete. The project would also include improvements to the Washington Avenue/Fuller Road intersection and improve/upgrade existing bicycle and pedestrian facilities.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	2.006	10.032	3.512	-	-	-	-	15.550
<b>Total Cost</b>	<b>2.006</b>	<b>10.032</b>	<b>3.512</b>	-	-	-	-	<b>15.550</b>

## D FUND CAPITAL PROJECTS: Public Works

<b>CR 303 (Pinnacle Road) Highway Reconstruction and Slope Stabilization Project</b>								
The project includes placement of asphalt concrete pavement and subbase, removal of unsuitable material, placement of lightweight fill, grading embankment and stream channel, placement of guide rail and pavement striping. The approximate length of the project is 700 linear feet.								
<b>New Project</b>								
<i>Project Financing (in millions of dollars)</i>								
Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	0.155	1.030	-	-	-	1.185
<b>Total Cost</b>	-	-	<b>0.155</b>	<b>1.030</b>	-	-	-	<b>1.185</b>

<b>CR 152 (Old Niskayuna Road) Rehabilitation Project</b>								
The project includes milling and replacing of asphalt wearing course for approximately 3.0 miles of two lane road in the Town of Colonie. The project also includes improvements to existing drainage systems, culverts, open drainage ditches and installation of concrete sidewalk along one side of the entire length of the project.								
<b>Existing Project</b>								
<i>Project Financing (in millions of dollars)</i>								
Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	0.761	4.988	-	-	-	5.749
<b>Total Cost</b>	-	-	<b>0.761</b>	<b>4.988</b>	-	-	-	<b>5.749</b>

<b>Groesbeck Road Over Onesquethaw Creek</b>								
The project includes replacement of deteriorated wooden deck and bridge rail with pre-cast concrete deck panels and new bridge railing. Also includes is minor approach, abutment and pier work.								
<b>Amended Project: Change in Project Schedule and Cost</b>								
<i>Project Financing (in millions of dollars)</i>								
Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	-	-	0.064	0.416	-	0.480
<b>Total Cost</b>	-	-	-	-	<b>0.064</b>	<b>0.416</b>	-	<b>0.480</b>

## D FUND CAPITAL PROJECTS: Public Works

### Grant Hill Road Over the Normans Kill Bridge Replacement Project

Replacement of an open steel grating, 141' two span bridge. NYS DOT rating on this bridge is currently below the acceptable level.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	0.680	-	2.700	-	-	-	-	3.380
Federal Aid	-	0.544	2.160	-	-	-	-	2.704
State Aid	-	-	0.405	-	-	-	-	0.405
<b>Total Cost</b>	<b>0.680</b>	<b>0.544</b>	<b>5.265</b>	-	-	-	-	<b>6.489</b>

### CR 312 (Clarksville South Road) SR 443 to SR 143 Reconstruction Project

The project includes partial and full depth reconstruction of 5.7 miles of 2-lane road in the Towns of New Scotland, Coeymans, and Westerlo between SR 443 and SR 143. Also includes improvements to open drainage system, culverts, road shoulders, traffic signs, and guide rail.

**Amended Project: Change in Project Schedule**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	-	-	6.878	-	-	-	-	6.878
<b>Total Cost</b>	-	-	<b>6.878</b>	-	-	-	-	<b>6.878</b>

### Albany County/Town of Coeymans Bridge Replacements

Joint partnership with the Town of Coeymans for the replacement of two Town bridges, along with the replacement of two County bridges. These bridges are programmed for federal funding on CDTC's Transportation Improvement Program (TIP). The two County bridges (Dunbar Hollow over the Hannacrois in Westerlo and Jericho Road over the Dowers Kill in Bethlehem) and one Town bridge (Old Ravena Road (South Crossing) over CSX) have been completed. The remaining Town bridge (Old Ravena Road (North Crossing) over CSX) will be replaced by the end of 2009.

**Amended Project: Change in Project Schedule and Cost**

*Project Financing (in millions of dollars)*

Year	Pre-2009	2009	2010	2011	2012	2013	2014	Total
County Bonds	7.500	5.651	-	-	-	-	-	13.151
Federal Aid			4.521					4.521
State Aid			0.848					0.848
Other			0.282					0.282
<b>Total Cost</b>	<b>7.500</b>	<b>5.651</b>	<b>5.651</b>	-	-	-	-	<b>18.802</b>

**D FUND CAPITAL PROJECTS:  
Public Works**

<b>Tan Hollow Road Over Hannacrois Creek Bridge Replacement Project</b>								
Replacement of a 34-foot long x 25-foot wide, reinforced I-beam bridge over the Hannacrois Creek in the Town of Westerlo. The bridge was built in 1952, 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 project also includes the realignment of 200 ft. of the approach on each side of the bridge. The bridge is well beyond its useful life.								
<b>Amended Project: Change in Project Schedule and Cost</b>								
<i>Project Financing (in millions of dollars)</i>								
<b>Year</b>	<b>Pre-2009</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
County Bonds	-	0.119	0.872	-	-	-	-	0.991
<b>Total Cost</b>	-	<b>0.119</b>	<b>0.872</b>	-	-	-	-	<b>0.991</b>

<b>Public Works Capital Plan Summary</b>								
<b>New Projects - 4</b>								
<b>Amended Projects - 19</b>								
<b>Existing Projects - 3</b>								
<i>Project Financing (in millions of dollars)</i>								
<b>Year</b>	<b>Pre 2009</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>Total</b>
County Bonds	20.789	28.148	36.881	23.107	13.521	1.166	1.815	125.427
Federal Aid	0.532	0.970	18.946	12.938	0.720	-	-	34.106
State Aid	0.456	-	1.253	11.151	0.135	-	-	12.995
Town of Colonie	0.076	-	-	-	-	-	-	0.076
Private (Mitigation Fees)	-	-	-	1.430	-	-	-	1.430
Other	-	-	0.282	-	-	-	-	0.282
<b>Total Cost</b>	<b>21.853</b>	<b>29.118</b>	<b>57.362</b>	<b>48.626</b>	<b>14.376</b>	<b>1.166</b>	<b>1.815</b>	<b>174.316</b>