

## #17, BROADWAY (NY RTE 32) CORRIDOR IMPROVEMENTS: VILLAGE OF MENANDS

<p><b>LOCATION:</b> Oakland Ave to Menands Rd/Menands Market &amp; NY 378 westbound ramp to Watervliet City Line</p> <p><b>DESCRIPTION:</b> Reconstruction with potential roundabouts at Menands Market &amp; at NY 378 WB Ramp, 3 lanes: Oakland to Menands Rd, 4 to 5 lanes: NY 378 WB ramp to City Line; new street lights, street trees, curb, sidewalk reconstruction, ADA curb ramps, crosswalks, ped signals, bike lanes, mid-block ped crossing at transit shelter, drainage &amp; access mgmnt improvements, replace traffic signals where needed.</p> <p><b>CATEGORY:</b> Pavement</p> <p><b>COST:</b> \$11.24M     <b>LIFE:</b> 39 Years</p> <p><b>SPONSOR:</b> Village of Menands</p> <p><b>PAVEMENT CONDITION:</b> Watervliet City Line – Irving: 7, Irving – Oakland: 8</p> <p><b>FUNCTIONAL CLASS:</b> Minor Urban Arterial</p> <p><b>AADT:</b> Watervliet City Line – NY 378: 21,300, Menands Rd – Oakland Ave: 8,800</p> <p><b>ON PRIORITY NETWORK(S):</b> Bike/Ped, ITS, Transit</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: left;"><b>BENEFIT/COST RATIO</b></td> <td style="text-align: right;"><b>9.2</b></td> </tr> <tr> <td>TOTAL BENEFITS (\$k/yr)</td> <td style="text-align: right;">\$6,942</td> </tr> <tr> <td>SAFETY</td> <td style="text-align: right;">\$509</td> </tr> <tr> <td>TRAVEL TIME</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>OPERATING/ENERGY*</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>ENERGY/USER</td> <td style="text-align: right;">\$28</td> </tr> <tr> <td>LIFE CYCLE VALUE</td> <td style="text-align: right;">\$6,405</td> </tr> <tr> <td>OTHER</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><b>ANNUALIZED COST (\$k/yr)</b></td> <td style="text-align: right;"><b>\$752</b></td> </tr> </table> <p>*includes gasoline usage and ownership costs</p>	<b>BENEFIT/COST RATIO</b>	<b>9.2</b>	TOTAL BENEFITS (\$k/yr)	\$6,942	SAFETY	\$509	TRAVEL TIME	\$0	OPERATING/ENERGY*	\$0	ENERGY/USER	\$28	LIFE CYCLE VALUE	\$6,405	OTHER	\$0	<b>ANNUALIZED COST (\$k/yr)</b>	<b>\$752</b>
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**CONGESTION RELIEF:** No measurable reduction in excess delay. VMT reduced by 4,940.

**AIR QUALITY BENEFIT:** Volatile organic compounds reduced by 2 KG/year and NOx reduced by 3 KG/year.

**ENVIRONMENTAL MITIGATION:** Within 0.25 miles of several water features, a wetland, an aquifer, 100 year Flood Plain, a National Register Historic District, a State/National Historic Site and Class 1&2 Soils

**REGIONAL SYSTEM LINKAGE:** Ped improvements will support transit in the corridor.

**LAND USE COMPATIBILITY (PLANNED OR EXISTING):** Broadway Transportation Access and Land Use improvement Study.

**CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT:** Economic development and the community revitalization are primary objectives.

**ENVIRONMENTAL JUSTICE:** Low Income and Minority

**BUSINESS OR HOUSING DISLOCATIONS:** N/A

<p><b>FACILITATES:</b></p> <p><b>BICYCLING</b> – Y: Bike lanes</p> <p><b>WALKING</b> – Y: New sidewalks, ADA</p>	<p><b>TRANSIT USE</b> – Y: Improved stops, bike/ped</p> <p><b>GOODS MOVEMENT</b> – Y: Improve truck access</p> <p><b>INTERMODAL TRANSFERS</b> – Y: Transit/Ped</p>
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**SPONSOR PRIORITY:** High

**SCREENING ISSUES:** None

**OTHER CONSIDERATIONS:** NYSDOT owns and maintains NY 32 through the Village.