

## #48, RHULE RD/RAYLINSKI RD/ROUND LAKE RD INTERSECTION: TOWN OF MALTA

<p><b>LOCATION:</b> Round Lake Rd at Rhule Rd and Raylinski Rd</p> <p><b>DESCRIPTION:</b> Intersection reconfiguration with roundabout assumed, 600 feet of sidewalk, closed storm water drainage, curbs, crosswalks, curb ramps, utility pole relocation and access management</p> <p><b>CATEGORY:</b> Congestion Management</p> <p><b>COST:</b> \$1.65 M     <b>LIFE:</b> 20 years</p> <p><b>SPONSOR:</b> Town of Malta</p> <p><b>CURRENT CONDITION:</b> Round Lake Rd: 7</p> <p><b>FUNCTIONAL CLASS:</b> Round Lake: Urban Collector; Rhule/Raylinski: Urban Local</p> <p><b>AADT:</b> Round Lake Rd: 14,730</p> <p><b>ON PRIORITY NETWORK(S):</b> Transit</p>	<table border="1"> <thead> <tr> <th style="text-align: left;">BENEFIT/COST RATIO</th> <th style="text-align: right;">1.9</th> </tr> </thead> <tbody> <tr> <td>TOTAL BENEFITS (\$k/yr)</td> <td style="text-align: right;">\$276</td> </tr> <tr> <td>SAFETY</td> <td style="text-align: right;">\$137</td> </tr> <tr> <td>TRAVEL TIME</td> <td style="text-align: right;">\$107</td> </tr> <tr> <td>OPERATING/ENERGY*</td> <td style="text-align: right;">\$32</td> </tr> <tr> <td>ENERGY/USER</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>LIFE CYCLE VALUE</td> <td style="text-align: right;">\$0</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>\$144</b></td> </tr> </tbody> </table> <p>*includes gasoline usage and ownership costs</p>	BENEFIT/COST RATIO	1.9	TOTAL BENEFITS (\$k/yr)	\$276	SAFETY	\$137	TRAVEL TIME	\$107	OPERATING/ENERGY*	\$32	ENERGY/USER	\$0	LIFE CYCLE VALUE	\$0	OTHER	\$0	<b>ANNUALIZED COST (\$k/yr)</b>	<b>\$144</b>
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<p><b>CONGESTION RELIEF:</b> No measurable reduction in excess delay. VMT reduced by 2,145.</p> <p><b>AIR QUALITY BENEFIT:</b> Volatile organic compounds reduced by 77 KG/year and NOx reduced by 31 KG/year.</p> <p><b>ENVIRONMENTAL MITIGATION:</b> Within 0.25 miles of an aquifer and Class 1 &amp; 2 Soils</p> <p><b>REGIONAL SYSTEM LINKAGE:</b> N/A</p>
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<p><b>LAND USE COMPATIBILITY (PLANNED OR EXISTING):</b> Intersection improvement recommended in the Malta Final GEIS.</p> <p><b>CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT:</b> Would support redevelopment of the Malta Mall (Hannaford proposed).</p> <p><b>ENVIRONMENTAL JUSTICE:</b> N/A</p> <p><b>BUSINESS OR HOUSING DISLOCATIONS:</b> None. Approx. 0.5 acres of ROW is required.</p>
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<p><b>FACILITATES:</b></p> <p><b>BICYCLING</b> – Not directly</p> <p><b>WALKING</b> – Y: Sidewalks, Crosswalks</p>	<p><b>TRANSIT USE</b> – Y: ped improvements</p> <p><b>GOODS MOVEMENT</b> – Not directly</p> <p><b>INTERMODAL TRANSFERS</b> – Not directly</p>
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<p><b>SPONSOR PRIORITY:</b> Medium (2 of 3)</p> <p><b>SCREENING ISSUES:</b> None</p> <p><b>OTHER CONSIDERATIONS:</b> Project was proposed as a capacity improvement for future traffic, violating the CDTC roundabout principle. Sponsor agreed to evaluate the project as a roundabout. Note that the intersection is under Saratoga County jurisdiction and coordination between the County and the Town will be required.</p>
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