

DRAFT

#5, GEYSER ROAD/NY 50/SPA STATE PARK TRAFFIC SIGNAL IMPROVEMENT CITY OF SARATOGA SPRINGS

LOCATION: Geyser Rd (CR 43)/Ballston Ave (NYS Route 50) intersection at west entrance to spa state park. DESCRIPTION: Federal funding requested is for the traffic signal only. The overall project is designed to improve access to the Geyser Road Trail, and calls for the construction of a left turn lane, installation of sidewalk for pedestrians & bicyclists, construction of retaining wall, installation of guide rail & fencing, & installation of new traffic signal. SET-ASIDE: RG39 (ITS for Local Traffic Signals) COST: \$ 185,000 LIFE: 10 years SPONSOR: City of Saratoga Springs PAVEMENT CONDITION: NY 50: 6, Geyser Rd: 7 FUNCTIONAL CLASS: NY 50-Urban Principal Arterial, Geyser Rd-Urban Minor Arterial AADT: NY 50: 11,950, Geyser Rd: 10,500 ON PRIORITY NETWORK(S): Transit, Bike/Ped, Freight, Access Mgmt.	<table><tr><td>BENEFIT/COST RATIO</td><td>3.4</td></tr><tr><td>TOTAL BENEFITS (\$k/yr)</td><td>\$ 85</td></tr><tr><td>SAFETY</td><td>\$51</td></tr><tr><td>TRAVEL TIME</td><td>\$27</td></tr><tr><td>OPERATING/ENERGY*</td><td>\$7</td></tr><tr><td>ENERGY/USER</td><td>\$0</td></tr><tr><td>LIFE CYCLE VALUE</td><td>\$0</td></tr><tr><td>OTHER</td><td>\$0</td></tr><tr><td>ANNUALIZED COST (\$k/yr)</td><td>\$25</td></tr></table> <p>* includes gasoline usage and ownership costs</p>	BENEFIT/COST RATIO	3.4	TOTAL BENEFITS (\$k/yr)	\$ 85	SAFETY	\$51	TRAVEL TIME	\$27	OPERATING/ENERGY*	\$7	ENERGY/USER	\$0	LIFE CYCLE VALUE	\$0	OTHER	\$0	ANNUALIZED COST (\$k/yr)	\$25
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CONGESTION RELIEF: Congestion may be reduced with the traffic signal improvements at this intersection. AIR QUALITY BENEFIT: Reduced congestion and improved traffic flow may improve air quality. ENVIRONMENTAL MITIGATION: Within .25 miles of several water features, 100 year flood plain, an aquifer, a National Historic Register District, a wetland and an open space area. REGIONAL SYSTEM LINKAGE: The intersection connects major roads in each direction, near an elementary school and the Spa State Park.
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LAND USE COMPATIBILITY (PLANNED OR EXISTING): The project will be compatible with the Saratoga Springs Comprehensive Plan, City of Saratoga Springs Complete Streets Policy and the City of Saratoga's Route 50 Southern Gateway Study. CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT: The improvement will benefit the Grande Industrial Park, which is expected to expand industrial activity in the coming years. ENVIRONMENTAL JUSTICE: N/A, Neutral Impact BUSINESS OR HOUSING DISLOCATIONS: No additional ROW will be needed for this part of the project.

FACILITATES: BICYCLING – N/A WALKING – N/A	TRANSIT USE – N/A GOODS MOVEMENT – N/A INTERMODAL TRANSFERS – N/A
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SPONSOR PRIORITY: 1 SCREENING ISSUES: None. OTHER CONSIDERATIONS: Project is part of a larger effort to expand capacity at the intersection. Later projects may need additional ROW.
