

Rosa Road, Wendell Avenue and Nott Street Intersection Improvement

PROJECT TYPE: Other (Traffic Signal)

PROJECT LOCATION(S): The intersection of Rosa Road, Wendell Avenue and Nott Street adjacent from Ellis Hospital, City of Schenectady, Schenectady County

SPONSOR(S): City of Schenectady

FACILITY OWNER(S): City of Schenectady

DESCRIPTION: The project is located at the intersection of Rosa Road, Wendell Avenue and Nott Street directly adjacent to Ellis Hospital's main medical facility. Under this project the City would look to install a new five leg signal and controller with pedestrian accommodations including elevator style push buttons and pedestrian heads. In concert with these pedestrian modifications would be the reduction of paved areas and the creation of refuge islands with high visibility crosswalks. Striping within the intersection would also be improved to assist in the guiding of vehicles across the intersection

PROPOSED COST (INCLUDES MATCH): \$0.400 M

DESIGN LIFE OF PROPOSED PROJECT (YEARS): 15 years

CURRENT CONDITION: N/A

NHS AND FUNCTIONAL CLASS (IF APPLICABLE): Not on NHS, Nott St & Rosa Rd are classified as 16 - Urban Minor Arterial & Wendell Ave is classified as 17 - Urban Major Collector south of the Nott St and classified as 19 - Urban Local north of Nott St.

ANNUAL FACILITY VALUE: N/A

TRAFFIC OR OTHER VOLUME DATA (IF APPLICABLE): Nott St E. of Rosa Rd = 11,900, Nott St W. of Rosa Rd = 10,588, Rosa Rd = 6,850, Wendell Ave = 4,595 (NYSDOT Traffic Data Viewer, 2013)

PROJECT TOTAL SCORE (UP TO 100 POINTS)	26.2
MERIT CATEGORY SCORE SCALED *	18.0
B/C RATIO SCALED	8.2

*see page 2 for individual merit category scores

BENEFIT/COST RATIO (CALCULATED)	8.2
Total Benefits (\$1,000's/Year)	338
Safety	155
Travel Time	171
Operating	12
User Cost	0
Facility Life	0
Annualized Cost (\$1,000's/Year)	41

FUND SOURCE ELIGIBILITY: STP-Flex and STP Urban

BIKE/PED ADVISORY COMMITTEE COMMENTS: Project located in Tier 1 pedestrian district with proposed pedestrian push buttons, median, crosswalks, etc.

SPONSOR PRIORITY: 2

OTHER CONSIDERATIONS: None.

ELIGIBILITY ISSUES: None identified.

MERIT CATEGORIES		NUMERIC VALUES			SCORE
REGIONAL BENEFIT (5 POINTS POSSIBLE)					
Benefit beyond project to transportation system or quality region	SCORE	-2	to	+5	0
	SUBTOTAL	-2	to	+5	0
COMMUNITY QUALITY OF LIFE & EQUITY (10 POINTS POSSIBLE)					
Land Use Compatibility	SCORE	-1	to	+3	1
Smart Growth	SCORE	-1	to	+3	2
Environmental Justice	SCORE	-1	to	+2	1
Accessibility / ADA / Universal Design/Human Services Transport	SCORE	-1	to	+2	1
	SUBTOTAL	-4	to	+10	5
APPROPRIATE INFRASTRUCTURE (10 POINTS POSSIBLE)					
Preservation/Renewal of Existing	SCORE	-2	to	+5	3
Complete Streets	SCORE	-2	to	+5	3
	SUBTOTAL	-4	to	+10	6
MULTI-MODALISM (10 POINTS POSSIBLE)					
Transit	SCORE	-2	to	+5	4
Pedestrian	SCORE	-1	to	+3	3
Bicycle	SCORE	-1	to	+2	0
	SUBTOTAL	-4	to	+10	7
ENVIRONMENT & HEALTH (8 POINTS POSSIBLE)					
Sensitive Area Preservation/Mitigation	SCORE	-1	to	+2	0
Greenhouse Gas Emissions Reduction	SCORE	-1	to	+2	0
Alternative Fuels Support	SCORE	-1	to	+2	0
Other Health Benefit	SCORE	-1	to	+2	1
	SUBTOTAL	-4	to	+8	1
ECONOMIC DEVELOPMENT (5 POINTS POSSIBLE)					
Economic Impact	SCORE	-2	to	+5	1
	SUBTOTAL	-2	to	+5	1
SAFETY & SECURITY (5 POINTS POSSIBLE)					
Additional Safety Benefit Beyond Crash History	SCORE	-1	to	+3	2
Security and Resiliency to Natural Hazards and Human Caused Events	SCORE	-1	to	+2	0
	SUBTOTAL	-2	to	+5	2
OPERATIONS & TECHNOLOGY (5 POINTS POSSIBLE)					
Traffic Operations & Reliability Improvements	SCORE	-1	to	+3	2
Use of Beneficent Advanced Technologies	SCORE	-1	to	+2	0
	SUBTOTAL	-2	to	+5	2
FREIGHT (5 POINTS POSSIBLE)					
Freight and Goods Movement	SCORE	-2	to	+5	0
	SUBTOTAL	-2	to	+5	0
INNOVATION (2 POINTS POSSIBLE)					
Innovative Solutions	SCORE	0	to	+2	0
	SUBTOTAL	0	to	+2	0
PROJECT DELIVERY (2 POINTS POSSIBLE)					
On Schedule/On Budget	SCORE	-2	to	+2	0
	SUBTOTAL	-2	to	+2	0
PROJECT MERIT CATEGORY SUB TOTAL (calculated)	SUBTOTAL	-28	to	+67	24