

# DRAFT

## #18, ERIE BOULEVARD/NOTT STREET ROUNDABOUT CITY OF SCHENECTADY

**LOCATION:** Erie Blvd & Nott St intersection  
**DESCRIPTION:** Construct a modern two-lane roundabout to improve intersection function and safety and reduce vehicle pollution. Pedestrian crossings will be shortened from current five lanes to two. Bicyclists can use a defined shoulder entering the roundabout.  
**SET-ASIDE:** RG124 (Intersection Safety)  
**COST:** \$ 1,562,000    **LIFE:** 30 years  
**SPONSOR:** City of Schenectady  
**PAVEMENT CONDITION:** N/A  
**FUNCTIONAL CLASS:** Urban Principal Arterial  
**AADT:** 14,400 (Nott), 24,800 (Erie)  
**ON PRIORITY NETWORK(S):** Bike/Ped, Freight, ITS, Access Mgmt.

<b>BENEFIT/COST RATIO</b>		<b>6.1</b>
TOTAL BENEFITS (\$k/yr)		\$ 690
SAFETY		\$278
TRAVEL TIME		\$299
OPERATING/ENERGY*		\$113
ENERGY/USER		\$0
LIFE CYCLE VALUE		\$0
OTHER		\$0
ANNUALIZED COST (\$k/yr)		\$114

\* includes gasoline usage and ownership costs

**CONGESTION RELIEF:** The roundabout will slow traffic (15MPH through roundabout) but will allow traffic to keep moving. LOS improvements for all four approaches will improve as a result. There is an expected drop in incidents at the intersections, reducing delays due to crashes.  
**AIR QUALITY BENEFIT:** Less congestion and the consideration in the design of bicyclists and pedestrians may encourage the use of alternative modes of transport.  
**ENVIRONMENTAL MITIGATION:** Within .25 miles of an aquifer, a water feature and 100 year flood plain.  
**REGIONAL SYSTEM LINKAGE:** The road connects two major streets north of Downtown, improving access to Downtown.

**LAND USE COMPATIBILITY (PLANNED OR EXISTING):** The project will create a gateway, improve traffic conditions and benefit local development consistent with Schenectady's 2020 Comprehensive Plan.  
**CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT:** Roundabout is adjacent to the ALCO redevelopment site, providing transportation improvements for the full buildout.  
**ENVIRONMENTAL JUSTICE:** Low Income and/or Minority, Neutral Impact  
**BUSINESS OR HOUSING DISLOCATIONS:** Portions of four properties will need to be acquired to construct the roundabout (ROW will need to be purchased).

**FACILITATES:**  
**BICYCLING** – Y: Improve Bike Safety/Mobility  
**WALKING** – Y: Improve Ped Safety/Mobility

**TRANSIT USE** – N/A  
**GOODS MOVEMENT** – N/A  
**INTERMODAL TRANSFERS** – N/A

**SPONSOR PRIORITY:** 1  
**SCREENING ISSUES:** None.  
**OTHER CONSIDERATIONS:** As per the March 2014 TIP amendment to the existing TIP project (S188), any new funding for the current scope replaces NHPP funds, up to the \$1.081M programmed via the amendment. This project is likely eligible for HSIP funds to make up the difference.