

# Sampling of Prior CMAQ Projects

Note: The following project descriptions are for illustrative purposes only.

## Alternative Fuel Projects

### SEPTA Alternative Fuel Project

This project involves the purchase of 24 to 30 hybrid electric buses for use throughout the five county SEPTA service area along with necessary facility renovations. Project Sponsor: SEPTA

### Philadelphia Alternative Fuel Program

This project consists of a 700 scfm compressed natural gas (CNG) refueling station and base fleet comprised of 18 dedicated CNG employee shuttle buses, dedicated CNG airport support vehicles, and bifuel City fleet vehicles. The station will be constructed on City property located at the Philadelphia International Airport campus (intersection of Route 291 and Island Avenue, with easy access to and from I-95). The station will operate 24 hours/day, seven days/week. Project Sponsor: SEPTA

### Lower Merion Township Natural Gas Vehicle Project (Montgomery County)

This project is funding the incremental cost of converting or purchasing 72 alternative fueled vehicles and the construction of a fueling station. Project Sponsor: Montgomery County

## Bicycle/Pedestrian Improvements

### Bicycle Racks on Buses Project

Purchase and installation of front mounted, fold-down bike racks on 43 thirty-foot buses on 14 suburban bus routes. Each rack will be capable of carrying two bicycles. Project Sponsor: SEPTA

## **Bicycle Lockers and Racks at Rail Stations Project**

Design and installation of inverted U shaped bicycle racks and fully enclosed lockers at ten additional SEPTA rail stations. Lockers will be installed in groups of six per station and will be available for a modest rental, and at least four racks will be installed at each station. Project Sponsor: SEPTA

## **Regional Bicycle Mobility Map**

Production of a bicycle map covering the suburban PA counties, as a companion to the Philadelphia bicycle map, which will include on and off-road facilities (bike lanes and bike trails), transit stops, and major trip generators. Project Sponsor: Bicycle Coalition of the Delaware Valley

## **Schuylkill River Trail**

Design, right-of-way, and construction of a 19.2 mile trail corridor that will extend the Schuylkill River Trail beyond its current terminus at Betzood, Valley Forge National Historical Park, to the Berks County border. The multi-use trail will be a paved, 12-foot wide surface with 4 foot grass shoulders on each side, located within PECO Energy corridors, railroad and utility rights-of-way, existing bridges, canal towpaths, and public and private open space. Project Sponsors: Chester County, Montgomery County

## **Pleasant Spring Path**

Construct a ten foot wide bicycle and pedestrian trail along the Pleasant Spring Creek, connecting an existing intermunicipal path with another existing path abutting the neighboring township. Project Sponsor: Perkasie Borough

## **Schuylkill River Trail along South Bank of French Creek**

Multipurpose trail along the south bank of the French Creek linking a proposed station of the Schuylkill Valley Metro, the existing Schuylkill River Trail, SEPTA bus service, the downtown business district, and a proposed 120-acre mixed use development. Project Sponsor: Phoenixville Borough

## **Cobbs Creek Bikeway (Philadelphia)**

This project involves constructing a 10 mile bikeway running from US 1, City Ave. southwest to PA 291 at the Philadelphia International Airport, through city park land and then along city streets. It frequently intersects with mass transit stops and connects several important commercial areas. Project Sponsor: Fairmont Park Commission

### **Westbank Greenway (Philadelphia)**

This project involves rebuilding existing sidewalk as a pedestrian path/bikeway, rebuilding fence and portions of a stone retaining wall, removing billboards, landscaping to open views to the city skyline, planting street trees, installing street lighting and signs, widening the Spring Garden St. bridge sidewalk, and constructing a ramp for pedestrians and bicyclists to connect the Spring Garden St. bridge to West River Drive. Project Sponsor: City of Philadelphia Department of Streets

### **P & W Bicycle/Pedestrian Trail (Delaware County)**

This project involves constructing a 2.2 mile, 10 foot wide (minimum) bicycle/pedestrian trail along the abandoned Philadelphia & Western railroad line in Radnor Township, from Martha Browns Woods Park to Sugartown Rd. Project Sponsor: Delaware County

### **Chester Valley Trail Extension (Montgomery County)**

This project is related to the Chester Valley Trail project that will be constructed from the Montgomery County Line (near King of Prussia) to Downingtown in Chester County. This project includes the development of a 3.5 mile extension of the paved trail, connecting to the Hughes Park train station along the Norristown High Speed Line in Upper Merion Township. Bike lockers at the train station and on South Gulph Rd. near the King of Prussia shopping malls will also be provided. This project is part of a larger effort to provide a cross-county trail from Chester County to Bucks County. Project Sponsor: Montgomery County

## **Traffic Flow Improvements/Signal and Intersection Improvements**

### **Girard Av. Light Rail (Route 15) Signalization Project**

Modernization and coordination of traffic signals along Girard Avenue resulting in a network of traffic signals which can be programmed for transit vehicle progression and preemption through tie-ins to SEPTA's light rail locator network or roadway detectors. Project Sponsor: SEPTA

### **Arterial Interconnect 99 #2**

Installation of fiber optic cable and new solid state traffic controllers to coordinate existing traffic signals on various corridors (22nd St., 29th St., C.B. Moore Ave., Mascher St., Wayne Ave., and Wynnefield Ave.) Project Sponsor: City of Philadelphia Department of Streets

## **Caln Township Closed Loop Signal System**

Installation of a closed loop signal system interconnecting twelve intersections along Business Route 30. Project Sponsor: Caln Township

## **PA 611 Closed Loop Signal System**

Installation of a traffic responsive, closed loop signal system connecting thirteen signalized intersections along PA 611. Part of a four-municipality effort to connect a total of forty intersections with fiber optic communications on the PA 611 corridor, sharing data, software, and maintenance. Project Sponsor: Abington, Horsham, Jenkintown, and Upper Moreland Townships

## **Township Wide Traffic Signal Closed Loop System Upgrade and Expansion**

Expand the existing closed loop signal system to focus on additional corridors including Dekalb Pike (including Bridgeport Boro.), Allendale Rd., Henderson Rd., Gulph Rd., and PA-23. Project Sponsor: Upper Merion Township

## **US 30/ PA 100/ PA 113 Advanced Signal System (Chester County)**

This project involves the installation of a closed-loop signal system interconnecting 34 intersections along PA 100, PA 113, and US 30, allowing the two-way flow of information between the intersections and a central master station. System status information will be automatically transmitted from local intersections to the central master and an operator will control demand based signal timing and traffic volume information. The funding will provide for the design, capital, and operating expenses for two years.

## **Harbison Ave./Aramingo Ave. Signal Corridor (Philadelphia)**

This project includes 27 signals and covers a distance of about 6 miles. Improvements on Harbison Ave. include removing the medians at the intersections for the painting of left turn standby lanes and the provision of overhead signals that will be interconnected with new controllers. Improvements on Aramingo Ave. include the addition of overhead signals and left turn standby lanes from Butler St. to Bridge St. Project Sponsor: City of Philadelphia Department of Streets

## **Rising Sun Ave./Adams Ave. Intersection Improvements (Philadelphia)**

This project will widen the south side of Adams Ave. to improve its alignment and upgrade the signalization by installing overhead signals and advance left turn phasing for both eastbound Adams Ave. and northbound Rising Sun Ave. Project Sponsor: City of Philadelphia Department of Streets

## Transit Improvements

### Woodbourne/Oxford Valley Mall Circulator Project

Provide for the third party operation of a small bus circulator to provide access from the expanded Woodbourne station to retail, restaurant, hotel, and hospital employment areas which are not currently served by transit. Proposed schedule is Monday through Saturday from 6:30 a.m. to 10:30 p.m., operating on an hourly basis. (3-year demonstration project.) Project Sponsor: SEPTA

### City Avenue - Manayunk Circulator

A shuttle bus that will operate along the City Avenue corridor from 63rd St. to the base of I-76, and across the Schuylkill River into Manayunk. Proposed schedule is seven days a week with extended evening hours on Friday and Saturday nights, with a service frequency of every 20 minutes. (1-year demonstration project.) Project Sponsor: City Avenue Special Services District.

### Regional Automated Route Information Program (Regionwide)

This project provides for the purchase and installation of an Automated Information Retrieval System in SEPTA's Customer Relations Department. The system will be a real time multi-user travel information system which will assist the telephone information agents and the customer service staff in providing accurate and consistent responses to patron inquiries about how to use the SEPTA transit system. When the project is complete, there will be 75 linked state-of-the-art computer work stations. Project Sponsor: SEPTA

### Transit Information Centers (Philadelphia, Delaware County)

This project provides for the location of specific information centers at two regional transit locations: one in Center City Philadelphia and one at the Chester Transportation Center. The project includes the construction of information kiosks that offer transit information and fare instrument sales and the placement of SEPTA staff to provide assistance to commuters. Project Sponsor: SEPTA

### Transportation Center Development (Philadelphia, Chester County)

This project consists of the construction of two transportation centers - one in West Chester, Chester County (location to be determined), and the other at the Wissahickon Transfer Center at Ridge Ave. and Sumac St. in Philadelphia. Project Sponsor: SEPTA

## Intermodal Freight Projects/Goods Movement

### Tioga Marine Terminal Intermodal Transfer Expansion and Rail Improvements

Add 2220 feet of track on two spurs at the north end of the terminal, improving the rail infrastructure necessary to facilitate on-dock rail operations. Add rail trackage and spurs needed due to new construction at the terminal which blocks existing rail access. Project Sponsor: Philadelphia Regional Port Authority

### Southern Chester County Rail Corridor Improvements

Install the third leg of a "Y" track at Chadds Ford to permit direct movement of freight cars to and from Wilmington, DE and points west. This improvement will eliminate a rail switching operation over US 1 and reduce the conflict between vehicular and rail traffic. Project Sponsor: Brandywine Valley Railroad Company

### Red Hook Container Barge (New York, NY)

\$1.9 million in CMAQ funding were matched in a 50:50 ratio to purchase a barge and provide for some operating assistance to freight operations to remove 54,000 truck trips from the NY/NJ streets annually.

### Auburn Truck to Rail Transfer Facility (Auburn, ME)

This project involves the construction of an intermodal facility owned by the City of Auburn and leased to Maine Intermodal Transportation, Inc. This facility is expected to redirect substantial truck traffic to rail. \$2.3 million in CMAQ funds were used in conjunction with \$600,000 in local match and \$200,000 in private funds.

### High Bridge Branch Upgrading Project (Morris County, NJ)

This project involves the upgrading of 6 miles of existing track and the construction of a one mile extension on a county-owned railroad. Projected removal of truck traffic was linked to new development on a 5,000 acre industrial tract.

### Davisville/Quonset Point Rail Track (Rhode Island)

This project will expand rail capacity by providing for additional track capacity along a 21-mile segment of the Northeast Corridor high-speed passenger line between Davisville and Central Falls, R.I. to allow uninhibited movement of freight from a marine facility to the national freight railway system.

### Gorham Railroad Bridge Project (New Hampshire)

This bridge clearance project will allow double-stack container service from Auburn, Maine to Chicago, Illinois. The project is in an air quality attainment area but will reduce emissions along the I-95 corridor through nonattainment areas by allowing motor freight to be shifted to double-stack trains.

## Education, Marketing, and Outreach

### Marketing of Regional Rail Service at Stations with Parking Capacity

Dissemination of information to potential riders in the surrounding area of rail stations with available parking capacity. Marketing methods will include direct mail, local advertizing, and a customer accessible database of parking availability. Project Sponsor: SEPTA

### Manayunk Travel Awareness Campaign

An educational effort consisting of interactive workshops, media, and special materials and publications designed to alter the travel behavior of residents and visitors to the Manayunk area. Project Sponsor: Clean Air Council

### Regional Transit Stop Signage Program (Regionwide)

This project provides for the placement or replacement of transit and railroad signs at stops throughout the five-county area. The program's goal is to provide user friendly signage, which will enable commuters to easily identify SEPTA routes and stops, thus encouraging the use of mass transit. Project Sponsor: SEPTA

## Other

### Transit Oriented Design (TOD) Concepts (Regionwide)

This project is a comprehensive educational effort to promote the concept of Transit Oriented Development as a land use pattern that fosters the use of transit, encourages bicycling and walking, and lessens dependence upon the private auto. In addition to traditional promotional methods (focus groups, fact sheets, brochures, and slide presentations), a community now being built will serve as a model to show how TOD principles can be incorporated in a

development and create a measurable reduction in cold starts, VMT, and air emissions. Project Sponsor: PA Environmental Council

### **Telecommuting: The Green Commute - Phase 1 (Regionwide)**

The purpose of this project is to gather and disseminate information on telecommuting; provide legal advice and assistance as appropriate to business, government agencies, and others seeking to implement telecommuting programs; and arrange for technical and expert advice to them as they develop telecommuting programs. Project Sponsor: Clean Air Council



