STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
http://www.dot.state.ny.us

JOSEPH H. BOARDMAN
COMMISSIONER

GEORGE E. PATAKI
GOVERNOR

September 10, 2003

Mr. Robert Arnold
New York Division Administrator
Federal Highway Administration
Leo O'Brien Federal Building, Room 911
Clinton Avenue & North Pearl Street
Albany, NY 12207

ATTN: Mr. Joseph Rich, HPD-NY - Air Quality/Urban Transportation Planner,
Planning & Program Development

RE: REPORT OF CONGESTION MITIGATION AND AIR QUALITY IMPROVEMENT PROGRAM ACCOMPLISHMENTS -- FFY 2002

Dear Mr. Arnold:

Enclosed is a report of New York's Congestion Mitigation and Air Quality Improvement Program (CMAQ) accomplishments for Federal Fiscal Year 2002 (10/1/01 - 9/30/02).

The CMAQ project selection processes, including public involvement, are functioning well in New York State at the MPO and the Department's Regional levels. The New York State Department of Transportation's focus will continue to be on delivery of a balanced and quantified CMAQ Program that meets air quality and congestion management goals.

Should you have any questions or require further information, please contact John Zamurs at (518) 457-5646 or Alfred Conklin at (518) 485-5317.

Sincerely,

Mary E. Ivey
Acting Director
Environmental Analysis Bureau

MI/AC/KD
Enclosure

cc: I. Kessman, Federal Transit Administration, Region 2
M. Rowlands, Syracuse Metropolitan Transportation Council
D. Church, Newburgh-Orange Co. Transportation Council
T. Schulze, New York Metropolitan Transportation Council
J. Poorman, Capital District Transportation Committee
M. Kealy Salomon, Poughkeepsie-Dutchess County Transportation Council
H. Morse, Greater Buffalo Niagara Regional Transportation Council
E. Crotty, Commissioner, NYSDEC
C. Johnson, Deputy Commissioner, NYSDEC
E. Bartlett / D. Escarpeta, NYSDEC
J. H. Boardman, Commissioner, 5-506 MC 0506
B. Rowback, First Deputy Commissioner, 5-506 MC 0506
P. T. Wells, Office of Engineering, 5-504 MC 0504
J. Post, Office of Public Affairs, 5-524 MC 0524
S. F. Hewitt, Office of Governmental Affairs, 5-501A MC 0500
C. T. Thomas, Office of Operations, 5-503 MC 0503
J. F. Guinan, Office of Passenger & Freight Transportation, 5-502 MC 0502
L. M. Knapek, Office of Budget & Finance, 5-514B MC 0512
T. J. Gilchrist, Planning & Strategy Group, 5-309 MC 0482
M. McCarthy, Program Management Division, 5-523 MC 0523
Regional Director, Regions 1, 2, 3, 5, 7, 8, 10, 11
Regional Planning & Program Manager, Regions 1, 2, 3, 5, 7, 8, 10, 11
Regional Landscape/Environmental Manager, Regions 1, 3, 5, 8, 11
Regional Environmental Contact, Regions 2, 7, 10
J. Shanahan, MHS TCC Staff Director, Region 8
Kevin Wolford, N\S TCC Staff, Region 10
U. Madu, NYC TCC Staff Director, Region 11
B. W. Smith, Traffic Engineering & Highway Safety Division, 5-312 MC 0464
Peter Loomis, Legal Services Division, 5-509 MC 0509
Scott Wixson, Budget & Finance Division, 5-401 MC 0745
D. Cottrell, Passenger & Freight Safety Division, 7A-400 MC 0881
Steve Slavick, Freight & Economic Development Division, 7A-300 MC 0876
S. F. Lewis, Passenger Transportation Division, 4-115 MC 0413
P. Hoole, Resource & Risk Management Bureau, 4-G17 MC 0445
G. Gorrill, Accounting Bureau, 5-401 MC 0753
J. L. Church, Project & Letting Management Bureau, 5-520 MC 0520
Sreenivas Alampalli, Trans. Research & Development Bureau, 7-102 MC 0863
William Leonard, Intermodal Operations Bureau, 7A-405 MC 0879
C.W. Scott, Intermodal Projects Bureau, 7A-302 MC 0878
Nancy Jones, Public Finance & Regulation Bureau, 5-509 MC 0509
J. McNeill, Metropolitan Planning Organization Bureau 4-206 MC 0424
J. Zamurs, Environmental Analysis Bureau, 5-303 MC 0473
A. Conklin, Environmental Analysis Bureau, 5-303 MC 0473

CONGESTION MITIGATION / AIR QUALITY IMPROVEMENT PROGRAM

Accomplishments Report

Federal Fiscal Year 2002

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

Environmental Analysis Bureau

September 2003

INTRODUCTION

The New York State Department of Transportation (NYSDOT or Department) has successfully completed Year 11 (FFY 2002) of the CMAQ Program. The objective of Year 11, and the program's preceding years, has been to fund transportation projects and programs in nonattainment and maintenance areas that will contribute to the attainment and maintenance of the national ambient air quality standards (NAAQS). Each year, air quality is improved through continued emphasis on projects that provide transit alternatives, congestion management, intelligent transportation system development, and implementation of ISTEA/TEA-21 initiatives such as promoting bus fleet upgrades and conversions to alternative fuels and bicycle - pedestrian transportation improvements.

The Department incorporates the additional flexibility in project selection provided by the joint Federal Highway Administration / Federal Transit Administration (FHWA / FTA) revised CMAQ guidance of April 1999, as finalized in the February 23, 2000, Federal Register "Transportation Equity Act for the 21st Century, Final Guidance for the Congestion Mitigation and Air Quality Improvement Program." This guidance and related correspondence and commentary are merged into a revised Departmental CMAQ Guidance for use in FFY 2000 and subsequent years. Additional revisions have been and will be made as appropriate, as Departmental, FHWA and FTA recommendations and guidance is received. To further improve the quality of the Department's CMAQ program, software has been developed and distributed to MPO and Regional offices to standardize emissions analyses of most transportation projects statewide.

Working with our MPO partners, the Department continues to follow its commitment to the high standards established in the guidance. Quantified emission reductions have remained an integral part of all Metropolitan Planning Organization (MPO) and NYSDOT Regional CMAQ project selection processes. Estimated emission reductions are used to prioritize almost all of our projects for selection for CMAQ funding. The Department of Transportation's procedure of stressing the importance of using quantification methodologies for all project types has been successful in providing measures of effectiveness in the selection of projects for CMAQ funding. The only projects proposed for CMAQ funding without quantified emissions estimates analyzed by the local selection committees are those that, by their nature, do not lend themselves to quantitative analysis because of their characteristics or because practical experience is lacking to adequately analyze them, consistent with the updated federal CMAQ guidance. These projects' qualitative air quality benefits are estimated and weighed against other projects for selection.

RESULTS

There was activity in 115 projects, obligating and/or returning CMAQ funds this past year in New York State, providing a total of $102 million unmatched federal funds. This brings our total federal obligations for the ten years of the CMAQ Program to $1,158 million, or 87% of the $1,335 million

apportioned. Table 1 shows how New York State's $188 million (matched) allocation for FFY 2002, excluding funds set aside for high speed rail, was distributed to the various regions containing nonattainment or maintenance areas as classified by the Environmental Protection Agency.

Project level information with expected air quality benefits is delineated in Table 2. Projects are arranged by FHWA project categories and identified by NYSDOT Project Identification Numbers (PIN). Obligations, unmatched Federal dollars, are shown both as project totals and under the appropriate project phase(s). Projects close to implementation show obligations in the Construction / Other column. Projects in pre-implementation phases with future emission reduction benefits show obligations in the PE, ROW & Consultant column. Estimated emission reductions are provided as appropriate for carbon monoxide (CO), volatile organic compounds / hydrocarbons (VOC/HC), nitrogen oxides (NOx), and particulate matter (particulate matter less than ten micron in diameter or PM_{10}), depending on the air quality classification of the area a project is located in. Due to a lack of representative emission factors, PM_{10} emissions have not been estimated for most projects. Several projects are included without identifying specific emissions reductions benefits. These projects were ranked qualitatively to address local priorities in achieving reduced emissions. The benefits of quantified emissions reductions are twofold. First, the values provide for a direct comparison among projects at the selection stage, allowing the projects with the greatest benefits to be progressed. Second, the Department of Transportation and MPOs will have the information needed to properly evaluate capital program emphasis and/or project selection procedures, thus, expediting any policy changes deemed appropriate.

Table 3 provides another view of New York's CMAQ Program. All projects are listed by project category and PIN, each accompanied by a "clear and concise explanation" of project scope as recommended by FHWA. Also provided are the Federal Aid funding percentage, the Federal funds obligated and the resultant matched total obligation. The large variety of projects underway continues to be a tribute to the success of the CMAQ Program in providing the means for New York State to improve air quality and move toward achieving attainment of the NAAQS.

To provide additional insight into the Department's CMAQ program, Table 4 has been included. Each year, all funding transactions associated with the Department's CMAQ projects, projects for which funds have been obligated, are compiled by the Department's Accounting Bureau. Table 4 represents the Department's FFY 2002 CMAQ projects ordered by Region and PIN. Although some information presented is repeated from earlier tables, Table 4 provides the reader with additional useful information including fund sources, specific project authorization status, obligation dates, and federal aid numbers. The program's dynamics and complexity are illustrated by the many projects for which multiple activities recorded under single PINs.

The New York State Department of Transportation, along with the MPOs, have continued to strive for a well-balanced CMAQ Program. As illustrated by Figure 1, transit improvement projects received $56.3 million in obligated funds, representing 55% of the FFY 2002 total. New York's High Speed Rail program accounted for less than 1% of these obligated funds. Traffic flow improvement projects received $27.4 million representing 26.9% of total obligated funds. Demand

TABLE 1

CMAQ PROGRAM REGIONAL ALLOCATIONS

CMAQ Year 11 (FFY 2002)

REG	COUNTY	1990 CENSUS POPULATION	POP. PERCENT	WEIGHTING FACTOR	WEIGHTED POPULATION	WEIGHTED PERCENT	ALLOCATION (1) %		$M (2)	$M,M (3)
1	Essex	0	0.00%	1.00	0	0.00%				
	Greene	44,739	0.31%	1.00	44,739	0.22%				
	Albany	292,594	2.04%	1.00	292,594	1.44%				
	Schenectady	149,285	1.04%	1.00	149,285	0.73%				
	Rensselaer	154,429	1.07%	1.00	154,429	0.76%				
	Saratoga	181,276	1.26%	1.00	181,276	0.89%				
	Cap Dist ST	777,584	5.41%		777,584	3.82%	4.0%	0.000	6.1	7.6
2	Montgomery	51,981	0.36%	1.00	51,981	0.26%	0.3%	0.000	0.4	0.5
3	Onondaga	468,973	3.26%	1.20	562,768	2.77%	2.8%	0.000	4.2	5.3
4	---						0.0%		0.0	0.0
5	Erie	968,532	6.74%	1.00	968,532	4.76%				
	Niagara	220,756	1.54%	1.00	220,756	1.09%				
	Buffalo ST	1,189,288	8.28%		1,189,288	5.85%	5.8%	0.000	8.7	10.9
6	---						0.0%		0.0	0.0
7	Jefferson	110,943	0.77%	1.00	110,943	0.55%	0.6%	0.000	0.9	1.1
8	North Orange	206682	1.44%	1.10	227,350	1.12%				
	South Orange	100,965	0.70%	1.30	131,255	0.65%				
	Dutchess	259462	1.81%	1.10	285,408	1.40%				
	Westchester	874,866	6.09%	1.56	1,364,791	6.71%				
	Putnam	83,941	0.58%	1.10	92,335	0.45%				
	Rockland	265,475	1.85%	1.30	345,118	1.70%				
	N Suburb ST	1,224,282	8.52%		2,446,256	8.86%	12.0%	0.000	18.0	22.5
9	---						0.0%		0.0	0.0
10	Nassau	1,287,348	8.96%	1.56	2,008,263	9.88%				
	Suffolk	1,321,864	9.20%	1.30	1,718,423	8.45%				
	LI ST	2,609,212	18.16%		3,726,686	18.33%	18.3%	0.000	27.5	34.4
11	New York City	7,322,564	50.97%	1.56	11,423,200	56.18%	56.2%	0.000	84.4	105.5
	'NYC Metro ST	11,156,058	77.65%		16,952,129	83.37%				
STATEWIDE TOTALS		14,366,675	100.00%		20,333,445	100.00%	100.0%	105.5	150.2	187.8

(1) FFY 02 apportionment = $180.8456. Allocation reflects reductions for 2 % SPR and High Speed Rail

(2) Unmatched allocated FFY 02 federal dollars calculated using same percentages as in January, 2001.

(3) Matched allocated FFY 02 federal dollars

TABLE 2
CMAQ PROGRAM FFY 2002
PROJECT LISTING WITH EXPECTED AIR QUALITY BENEFITS
BY PROJECT TYPE

PIN NO.	OBLIGATIONS ($M) TOTAL FEDERAL OBLIGATED	PHASE CONST/ OTHER	PHASE PE, ROW & CONSULT	EMISSION REDUCTIONS KILOGRAMS/DAY IN FIRST YEAR OF PROJECT LIFE CO	VOC/HC	NOx	PM 10	PROJECT DESCRIPTION
DEMAND MANAGEMENT								
1T05.02	0.405	0.405	0.000		266.000	135.000		CDTA, Travel Demand Management
8806.88	0.802	0.802	0.000	158.371	11.370	-18.612		Westchester Co ECO Program
8806.89	0.524	0.524	0.000		2.618	5.813		Rockland County ECO Program FFY 2002
8806.9	0.160	0.160	0.000	30.912	4.928	3.136		Westchester Commute Options Program
0803.72	-0.158	-0.158	0.000	Emissions Benefits included in 0803.95 *				Nassau / Suffolk Co TDM Work Program
0805.23	-0.282	-0.282	0.000	133.785	16.924	26.217		Nassau / Suffolk Co TDM Grant Program
0805.41	-0.156	-0.156	0.000	436.734	55.264	85.583		Nassau Co, Employee Commute Options Prograam
0805.53	0.475	0.475	0.000	836.156	105.806	163.856		L.I. Commute Options Public Awareness Grant Prog.
	1.770	**1.770**	**0.000**	**1595.958**	**462.910**	**400.993**	**0.000**	
I/M AND OTHER TCMs								
3752.78	0.088	0.088	0.000	Qualitative emissions benefit determination				SMTC Alternate Fuel Vehicle Program
0807.16	0.264	0.264	0.000	0.235	0.021	0.040		Nassau/Suffolk Co Ozone Alert Days Alt. Travel Modes
X500.69	0.150	0.150	0.000			1.814	0.363	Heavy Duty Diesel Smoke Inspection Outreach
X500.76	1.500	1.500	0.000	2701.530	328.900	369.080		Revised Cost, Automotive Emissions Research Lab
X500.86	1.500	1.500	0.000	12.979	0.856	0.680		Private Fleet Alternative Fuel Encouragement in NYCMA
X500.87	1.700	0.000	0.000	154.853	33.816	7.363		Fleetwide Emissions Reduction Program
X500.88	0.776	0.776	0.000	0.208	0.018	0.012		Taxi On Board Diagnostic Testing Equipment Installation
X501.28	0.132	0.132	0.000			136.136		Private Ferry Emissions Reduction Demo
X501.29	0.400	0.400	0.000	0.215	0.019	0.035		Ozone Action Days, Episodic Emission Control Study
	6.510	**4.810**	**0.000**	**2870.020**	**363.630**	**515.160**	**0.363**	

TABLE 2, FFY 2002

(SHEET 2 OF 6)

PIN NO.	OBLIGATIONS ($M) TOTAL FEDERAL OBLIGATED	PHASE CONST/ OTHER	PHASE PE, ROW / CONSULT	EMISSION REDUCTIONS KILOGRAMS/DAY IN FIRST YEAR OF PROJECT LIFE CO	VOC/HC	NOx	PM 10	PROJECT DESCRIPTION
PEDESTRIAN/BIKE								
3752.99	0.776	0.000	0.776	0.156	0.009	0.007		Creekwalk Ped Walkway, Phase 1
5755.29	0.169	0.169	0.000		0.001	0.002		Niagara River Walk Ped & Bike Trail
8561.14	0.004	0.000	0.004	5.966	2.607			Rt 35 at Mahopac Avenue Intersection
8754.93	0.104	0.104	0.000	0.000	10.568			Construction Putnam Division ROW / Bikeway
8755.19	-0.160	-0.158	-0.002	0.000	2.712	4.269		North County Trailway V
8755.80	0.535	1.582	-1.047	0.000	0.773	2.167		Putnam Bikeway
8758.76	0.066	0.018	0.048		0.513	0.638		Town of Wallkill Bikeway
X500.43	-0.440	-0.440	0.000	2646.000	2241.000	301.596		Moshula-Pelham Greenway Ext
X500.96	0.138	0.000	0.138	37.822	2.264	2.202		Brooklyn - Queens Greenway
X501.01	0.175	0.000	0.175	8.896	0.482	0.472		Subway/ Sidewalk Improvements
X501.04	0.175	0.000	0.175	1.512	0.088	0.057		Lower Manhattan Pedestrian Project
X501.06	0.584	0.000	0.584	4.563	0.248	0.248		Pedestrian Network Development
X501.07	-0.080	0.000	-0.080	1.720	0.120	0.210		Greenpoint-Williamsburg Pedestrian Improvement Program
X501.22	0.160	0.000	0.160	5.352	0.306	0.284		Bronx River Greenway Pedestrian Facility
X501.24	0.225	0.225	0.000	0.477	0.023	0.020		Walk to School Program (Commuting Study on Students)
X501.26	1.000	0.000	1.000	457.291	26.240	33.620		South Bronx Greenway
	3.431	**1.499**	**1.932**	**3169.756**	**2287.955**	**345.792**	**0.000**	
SHARED RIDE								
1T05.09	0.026	0.026	0.000		6.000	6.000		CDTA, Guaranteed Ride Home
3803.07	0.010	0.010	0.000	7.904	0.549	0.620		CNYRTA, Connections Rideshare Program
5821.82	0.256	0.256	0.000		0.128	0.200		NFTA, Purchase Commuter Passes
8806.97	0.060	0.000	0.060		4.955	10.406		Putnam Co Park & Ride Lots, Express Bus Service
8820.38	0.624	0.624	0.000	5962.996	1067.687	1210.743		MetroPool Ridesharing
8822.84	0.030	0.030	0.000	34.692	3.354	8.088		Putnam County Park & Ride Lot
8825.12	-0.008	-0.008	0.000	37.231	3.449	5.086		Putnam Co Guaranteed Ride Home Program

TABLE 2, FFY 2002

(SHEET 3 OF 6)

PIN NO.	OBLIGATIONS ($M) TOTAL FEDERAL OBLIGATED	PHASE CONST/ OTHER	PE, ROW & CONSULT.	EMISSION REDUCTIONS KILOGRAMS/DAY IN FIRST YEAR OF PROJECT LIFE CO	VOC/HC	NOx	PM 10	PROJECT DESCRIPTION
SHARED RIDE (cont.)								
8950.04	0.760	0.760	0.000	46.601	3.898	5.880		Westchester Vanpool Demonstration
0756.84	-0.033	0.000	-0.033	37.071	2.828	4.579		Ronkonkoma LIRR Station Park & Ride Lot Expansion
0801.70	0.032	0.032	0.000	19.820	2.508	3.884		Rt 106/107 Park & Ride Lot Lease
0806.34	0.159	0.159	0.000	12.796	0.980	2.058		Nassau Co, Employee Commute Option Alternative Program
0807.26	2.400	2.400	0.000	3.538	0.262	0.458		Nassau Co Merrick Shuttle
X500.78	0.304	0.304	0.000	135.035	8.557	10.694		Commuterlink - Promotes Alternate Modes of Transp.
X501.13	1.855	1.855	0.000	69.987	3.920	4.151		Parking Information and Demonstration Project II
	6.475	**6.448**	**0.027**	**6367.671**	**1109.075**	**1272.847**	**0.000**	
TRAFFIC FLOW IMPROVEMENTS								
1753.73	0.037	0.037	0.000		8.000	1.000		Traffic OPS Center & Northway Management
1754.18	5.320	5.549	-0.228		94.000	3.000		CDTA, Route 5 ITS, Signal Preemption Planning
1754.53	0.974	0.992	-0.018		15.000	2.000		ITS Signal Upgrades - Saratoga Springs
1755.42	0.060	0.000	0.060		1.000	0.100		ITS Signal Improvements in City of Troy
1805.61	-0.017	0.000	-0.017	Benefits included in project PIN 1806.60				State Police Interstate Service Patrols (I-87, I-90, I-787)
1806.60	1.520	1.520	0.000		41.000	4.600		Capital Region Traffic Mgt Center Operations
1806.61	0.960	0.960	0.000		2.000	0.400		HELP Patrols, 9/15/2002-9/31/2002
3752.06	-0.012	0.000	-0.012	19.405				Harrison Street Traffic OPS
3752.12	-0.034	-0.034	0.000	8.000				West Street at Fayette &Erie
3752.69	0.513	0.000	0.513	1828.100	53.485	-38.514		Intersection Improvements @ Henry Clay Blvd & Buckley Rd
3752.86	0.220	0.000	0.220	153.185	6.534	0.547		Seventh North St. Ext @ Wetzel Rd
3802.75	-0.011	0.000	-0.011	42.960				Syracuse Signal System Interconnect
3804.71	0.160	0.160	0.000	Qualitative emissions benefit determination				Syracuse, Traffic Center Operations Center Staffing
5131.25	0.006	0.006	0.000		3.074			Intersection Improvements

PIN NO.	OBLIGATIONS ($M) TOTAL FEDERAL OBLIGATED	PHASE CONST/ OTHER	PHASE PE, ROW CONSULT	EMISSION REDUCTIONS KILOGRAMS/DAY IN FIRST YEAR OF PROJECT LIFE CO	VOC/HC	NOx	PM 10	PROJECT DESCRIPTION
TRAFFIC FLOW IMPROVEMENTS (cont.)								
5209.31	-0.315	0.000	-0.315	Project withdrawn				Incorporate Utility 9A, Rt 78 at Lincoln and Summit
5307.88	-0.072	-0.072	0.000	40.150	1.584	0.202		Us Rt 62/Cr 152, Bailey Ave (Remove Excess Funds)
5308.03	0.031	0.031	0.000	71.386	4.147	0.570		Intersection Realignment / Improvement
5568.12	0.025	0.000	0.025	24.139	1.882	-0.112		Rte 263 Ellicott Creek - Rte 270 Amherst
5754.43	0.077	0.077	0.000	37.355	1.312	0.144		Hertel Ave, Rte 384 - Starin Ave Improvements
5754.85	0.009	0.009	0.000		0.664			Porter Ave Signal Syst Reconstruction (Revised Estimate)
5755.17	1.021	0.815	0.206	80.431	1.312	0.151		Portage Road, Pine Ave. to Main St.
5755.30	0.726	0.000	0.726	453.838	19.431	-2.662		ITS Incident Mgt (Phase 3 of ITS Strategic Plan)
5755.43	-0.406	0.000	-0.406	Project Withdrawn				E. Robinson / N. French Corridor Improvements
5756.44	0.285	0.000	0.285		32.630	13.808		Traffic Signal Replacement, 25 Intersections
5756.45	0.028	0.000	0.028		16.115	0.263		Genesee St Interconnected Signal System Upgrade
5804.08	0.264	0.264	0.000	0.000	55.328			ITS Incident Mgmt Freeway Surveillance
5804.86	0.409	0.409	0.000	435.165	19.548	-2.151		Buffalo Area Traffic Operations Center Staff, 4/1/02-3/31/03
5806.85	0.037	0.037	0.000	Benefits included in project PIN 5804.08				ITS Incident Mgmt Freeway Surveillance
8754.80	0.156	0.156	0.000	46.607	1.295			Kimball & McClean Traffic Signals
8756.86	0.096	0.000	0.096		323.244	80.811		Westchester Co Signals, ITS
0229.12	4.461	4.461	0.000	718.296	63.110	146.981		INFORM System Upgrade I-495, Exits 40-49
0534.59	2.258	2.258	0.000	Qualitative emissions benefit determination				Southern State Pkwy ITS
0756.82	-0.536	-0.536	0.000	506.900	33.300	-2.854		Nassau County Traffic Signal Computer Expansion
0757.27	0.121	0.121	0.000	160.445	8.659	-0.086		Nassau Co Traffic Expansion Program
0757.34	0.121	0.121	0.000	280.030	15.263	0.028		Nassau Co Traffic Expansion Program
0757.51	0.125	0.125	0.000	505.000	23.000			Expand Computerized Traffic Signal System
X500.93	1.950	1.950	0.000	1463.745	86.102	26.493		Real Time Traffic Adaptive System in NYC
X501.00	0.600	0.000	0.600	448.963	25.231	6.917		Broadway and 5th Avenue at 23rd Street
X501.27	3.700	3.700	0.000	781.950	43.584	12.819		Fiber Cable Links, Outer Bouroughs to LI City TMC
X806.02	2.500	2.500	0.000	1082.480	47.064			NYC Coordinated Incident Management
	27.366	**25.616**	**1.751**	**9186.630**	**1047.898**	**254.455**	**0.000**	

TABLE 2, FFY 2002
(SHEET 5 OF 6)

PIN NO.	OBLIGATIONS ($M) TOTAL FEDERAL OBLIGATED	PHASE CONST/ OTHER	PHASE PE, ROW & CONSULT.	EMISSION REDUCTIONS KILOGRAMS/DAY IN FIRST YEAR OF PROJECT LIFE CO	VOC/HC	NOx	PM 10	PROJECT DESCRIPTION
TRANSIT								
1754.40	0.051	0.051	0.000		8.000	1.000		Transportation Management Center Operations
5755.15	0.148	0.148	0.000	23.851	1.727	0.192		Erie Co Medical Center CNG Fueling Facility
5821.82	0.256	0.256	0.000		0.128	0.200		NFTA, Purchase Commuter Passes
7804.15	0.117	0.117	0.000	17.114	0.842	0.462		NYSDOT, Bernie Bus Service, 2002-04 Operating Assistance
8044.06	0.008	0.000	0.008	35.440	4.800	13.600		Rt 138 Lewisboro Metro No. Park & Ride
8821.61	-0.164	-0.164	0.000		0.460	1.410		Middletown to White Plains Bus Service
8822.18	1.192	1.192	0.000	Benefit included in project PIN 8805.92**				Haverstraw & Ossining to Metro North RR, Ferry Service
8822.19	0.528	0.528	0.000	31.788	3.910	6.602		West Shore Express Bus Service
8822.42	-0.004	-0.004	0.000	48.424	5.200	9.876		Croton Falls Bus Service (Remove Excess Funds)
8822.43	0.000	0.000	0.000	5.024	0.352	0.616		Reflect Current Charges, Croton Falls Bus Service, 10/1/99-9/30/00
8822.50	-0.028	-0.028	0.000	0.000	0.513	1.141		Northern Dutchess - Kingston Bus
8822.64	-0.027	-0.027	0.000	19.843	2.696	6.159		Danbury to Brewster Train Station, Bus Service, 11/15/99-11/14/00
8822.75	0.000	0.000	0.000	45.069	3.549	4.590		Westchester Co, Beeline Loop T Bus Svc
8822.87	0.250	0.250	0.000	13.455	1.125	1.350		West Co, Bee Line Loop H Bus Service, 2/12/2002-9/30/2002
8823.03	0.470	0.470	0.000	30.840	2.056	-8.130		Rt 77, Taconic Express Bus, 10/1/02-9/30/03
8825.16	7.140	7.140	0.000	2258.198	116.510	168.874		MTA, Purchase 30 Comet V Coaches for Metro-North
0228.68	-0.685	-0.685	0.000	19.147	3.018			LIE Express Bus, Remove Excess Funds 1/1/97-1/2/99
0806.58	0.001	0.001	0.000	34.749	2.972	5.023		JFK to Central Nassau Co Express Bus Service
0L25.60	1.384	1.384	0.000	56.613	1.019	2.831		Nassau & Suffolk Cos Purchase Alternative Fuel Vehicles
0L25.70	0.400	0.400	0.000	406.774	31.748	23.607		MTA, FFY 2002-2003 Transit Center
X500.84	1.338	1.338	0.000	266.340	19.980	16.260		Compressed Natural Gas Taxi Program
X501.25	0.380	0.000	0.380	1086.359	212.212	1120.088		Design of Staten Island RR / Arlington Intermodal Yard
X822.90	1.190	1.190	0.000	43.326	16.849			NYC Ferry Prog, Slips 5&6 Manhattan
XT15.48	12.325	12.325	0.000	365.748	22.020	21.483		MTA, Purchase 320 New Subway Cars
XT15.48	16.000	16.000	0.000	724.444	40.784	39.174		MTA, Rehab Roosevelt Ave Station on Queens Blvd Line
XT15.48	12.000	12.000	0.000	427.701	23.929	20.629		MTA, Public Address Customer Info Screens at 156 IRT Stations
XT15.48	2.000	2.000	0.000	32.024	27.444	1553.068		MTA, Central Bus Maintenance Facility in Queens
S937.04	0.061	0.061	0.000	1609.288	228.945	2524.163		Empire Corridor - HSR Passenger Prog.
	56.331	**55.943**	**0.388**	**7601.558**	**782.789**	**5534.267**	**0.000**	

Summary FFY 2002 Air Quality Benefits

OBLIGATIONS ($M)			EMISSION REDUCTIONS KILOGRAMS/DAY IN FIRST YEAR OF PROJECT LIFE				
TOTAL FEDERAL OBLIGATED	PHASE CONST/ OTHER	PHASE PE, ROW & CONSULT.	CO	VOC/HC	NOx	PM 10	PROJECT DESCRIPTION
1.770	1.770	0.000	1595.958	462.910	400.993		DEMAND MANAGEMENT
6.510	4.810	0.000	2870.020	363.630	515.160	0.363	I/M AND OTHER TCMs
3.431	1.499	1.932	3169.756	2287.955	345.792		PEDESTRIAN/BIKE
6.475	6.448	0.027	6367.671	1109.075	1272.847		SHARED RIDE
27.366	25.616	1.751	9188.530	1047.898	254.455		TRAFFIC FLOW IMPROVEMENTS
56.331	55.943	0.388	7601.558	782.789	5534.267		TRANSIT
101.883	**96.087**	**4.097**	**30793.492**	**6054.257**	**8323.514**	**0.363**	**Program Total**

Notes:

*** 0803.72, See FFY 2001 Annual CMAQ Report, "Demand Management"**

**** 8805.92, See FFY 1997 Annual CMAQ Report, "Transit"**

TABLE 3
CMAQ PROGRAM FFY 2002
PROJECT LISTING WITH BRIEF SCOPE
BY PROJECT TYPE

PIN	PROJECT DESCRIPTION	FED-AID %	FEDERAL OBLIG ($M)	MATCHED TOTAL ($M)	PROJECT SCOPE
DEMAND MANAGEMENT					
1T05.02	CDTA, Travel Demand Management	80%	0.405	0.506	Provide employer challenge grants - Rideshare Program
8806.88	Westchester Co ECO Program	80%	0.802	1.003	Local voluntary ECO program in assoc. w/R8 TDM unit
8806.89	Rockland County ECO Program FFY 2002	80%	0.524	0.655	Employer TDM: Metropool, P&R, Tansitchek, bus service
8806.90	Westchester Commute Options Program	80%	0.160	0.200	Guaranteed Ride Home: market, evaluate & reports
0803.72	Nassau / Suffolk Co TDM Work Program	100%	-0.179	-0.179	Implementation assistance to reduce SOVs L.I.
0803.72	Nassau / Suffolk Co TDM Work Program	80%	0.021	0.026	Implementation assistance to reduce SOVs L.I.
0805.23	Nassau / Suffolk Co TDM Grant Program	100%	-0.282	-0.282	TDM grant programs (improve commuting) 9/1/00 - 12/31/02
0805.41	Nassau Co, Employee Commute Options Programm	80%	-0.156	-0.195	Funding program administration 3/10/94-12/31/97
0805.53	L.I. Commute Options Public Awareness Grant Prog.	100%	0.475	0.475	Promote & info. re alternative transportation modes, services & benefits
TOTAL			**1.770**	**2.209**	
I/M AND OTHER TCMs					
3752.78	SMTC Alternate Fuel Vehicle Program	80%	0.088	0.110	Onondaga Comm Col alt fuel vehicle training facility & program
0807.16	Nassau/Suffolk Co Ozone Alert Days Alt. Travel Modes	80%	0.264	0.330	Emission control strategy reduce transportation generated CO, VOC and NOx
X500.69	Heavy Duty Diesel Smoke Inspection Outreach	80%	0.150	0.188	Study of potential emission benefits from HDDV repowering
X500.76	Revised Cost, Automotive Emissions Research Lab	80%	1.500	1.875	New control techniques, alt fuels, detection methods-- revised costs
X500.86	Private Fleet Alternative Fuel Encouragement in NYCMA	80%	1.500	1.875	Foster alt fuel and electric veh technology, add 200 alt fuel veh to private fleet
X500.87	Fleetwide Emissions Reduction Program	80%	1.700	2.125	Continue light-duty non-emergency fleet alt fuel conversion
X500.88	Taxi on Board Diagnostic Testing Equipment Installation	87%	0.776	0.895	Test all NYC taxis, incl. exempt, improving on NY Test
X501.28	Private Ferry Emissions Reduction Demo	80%	0.132	0.165	Investigate emissions control technologies; subsidize catalyst retrofits
X501.29	Ozone Action Days, Episodic Emission Control Study	80%	0.400	0.500	Education, incentives & info re SOV alternatives
TOTAL			**6.510**	**8.063**	

TABLE 3, FFY 2002

(Sheet 2 of 6)

PIN	PROJECT DESCRIPTION	FED-AID %	FEDERAL OBLIG ($M)	MATCHED TOTAL ($M)	PROJECT SCOPE
PEDESTRIAN/BIKE					
3752.99	Creekwalk Ped Walkway, Phase 1	80%	0.776	0.970	Construct ADA ped walkway in Syracuse from Armory Sq to Carosel Ctr
5755.29	Niagara River Walk Ped & Bike Trail	80%	0.169	0.211	Buff Ave/No Grand Is bridges to Niagara Res St Park
8561.14	Rt 35 at Mahopac Avenue Intersection	100%	0.004	0.004	Modify signals & add turn lanes
8754.93	Construction Putnam Div Row/Bikeway	80%	0.104	0.130	Westchester 11.5 mi bikeway ext. design/constr.
8755.19	North County Trailway V	80%	-0.160	-0.199	Westchester 4.5 mile bikeway ext. Design/ const
8755.80	Putnam Bikeway	80%	0.535	0.668	Bikeway along fmr Penn C RR, Mahopac - Brewster
8758.76	Town of Wallkill Bikeway	80%	0.066	0.082	Construct 3.7 mi trail adjacent Rt 302 using existing abandoned Erie RR bed
X500.43	Moshula-Pelham Greenway Ext	80%	-0.440	-0.550	North Bronx bikeway extension, Pelham Bay sbwy - Orchard Beach
X500.96	Brooklyn - Queens Greenway	80%	0.138	0.173	40 mi BP route fr Coney Is. to Fort Totten, Queens
X501.01	Subway/ Sidewalk Improvements	80%	0.175	0.219	Improve ped. circulation @ 6 subway stops
X501.04	Lower Manhattan Pedestrian Project	80%	0.175	0.219	Create additional sidewalk space for Broad and Liberty Sts, downt'n Manhattan
X501.06	Pedestrian Network Development	80%	0.584	0.730	New & pilot progs to calm traffic, reduce ped conflicts
X501.07	Greenpoint-Williamsburg Pedestrian Improvement Prog	80%	-0.080	-0.100	New & pilot programs to calm traffic, reduce pedestrian conflicts
X501.22	Bronx River Greenway Pedestrian Facility	80%	0.160	0.200	Establish 7 mi Bronx R. corridor connecting greenways and bicycle routes.
X501.24	Walk to School Program (Commuting Study on Students)	80%	0.225	0.281	Study feasability and effectiveness of non-motorized children-to-school travel
X501.26	South Bronx Greenway	80%	1.000	1.250	South Bronx Waterfront, Bike/Ped Path, Westchester Avenue to Randalls Island
TOTAL			**3.431**	**4.288**	
SHARED RIDE					
1T05.09	CDTA, Guaranteed Ride Home	80%	0.026	0.033	Region-wide program for car/van pool, & transit pass users
3803.07	CNYRTA, Connections Rideshare Program	80%	0.010	0.013	Carpool matching service to reduce SOV travel
5821.82	NFTA, Purchase Commuter Passes	80%	0.256	0.320	Purchase passes to encourage transit system utilization
8806.97	Putnam Co Park & Ride Lots, Exp Bus Svc	80%	0.060	0.075	New/expanded park/ride lots, bus svc Putnam-Westchester
8820.38	MetroPool Ridesharing	80%	0.624	0.780	Metropool ridesharing and commuter mobility progs.
8822.84	Putnam County Park & Ride Lot	80%	0.030	0.037	Bus service / park & ride lot lease
8825.12	Putnam Co Guaranteed Ride Home Program	80%	-0.008	-0.010	Transport passengers bet. Croton falls Metro No. & Mahopac P & R lots

TABLE 3, FFY 2002

(Sheet 3 of 6)

PIN	PROJECT DESCRIPTION	FED-AID %	FEDERAL OBLIG ($M)	MATCHED TOTAL ($M)	PROJECT SCOPE
SHARED RIDE (cont.)					
8950.04	Westchester Vanpool Demonstration	80%	0.760	0.950	MetroPool vanpool demo. Westchester, Rockland, Putnam I-287 corridor
0756.84	Ronkonkoma LIRR Station Park & Ride Lot Expansion	80%	-0.033	-0.042	LIRR hub development: garage, impr. access, HOV parking
0801.70	Rt 106/107 Park & Ride Lot Lease	100%	0.032	0.032	State lease 100 park & ride spaces, Sears shopping center
0806.34	Nassau Co, Employee Commute Option Alternatives Prog	100%	0.159	0.159	Review & monitor major employer's plans, audit compliance
0807.26	Nassau Co Merrick Shuttle	80%	2.400	3.000	Link northern Merrick and North Merrick communities to MTA LIRR Merrick Sta.
X500.78	Commuterlink - Promotes Alternate Modes of Transp.	80%	0.304	0.380	Commuterlink - promotes alternate modes of transportation
X501.13	Parking Information and Demonstration Project II	80%	1.855	2.319	Electronic off-street parking system, transportation scheduling and information.
TOTAL			**6.475**	**8.046**	
TRAFFIC FLOW IMPROVEMENTS					
1753.73	Traffic OPS Center & Northway Management	80%	0.037	0.046	Const & implement ITS system for Albany/Schenectady/Saratoga Co. area
1754.18	CDTA, Route 5 ITS, Signal Preemption Planning	80%	5.320	6.651	ITS system construction & associated computer equipment for Rt 5 corridor
1754.53	ITS Signal Upgrades - Saratoga Springs	80%	0.974	1.217	ITS system at 21 intersections in Albany/Schenectady/Saratoga Co. area
1755.42	ITS Signal Improvements in City of Troy	80%	0.060	0.075	Replace signals with signals capable of coordination & smart technologies
1805.61	State Police Interstate Service Patrols (I-87, I-90, I-787)	80%	-0.017	-0.021	Service patrols in support of H.E.L.P. prog.
1806.60	Capital Region Traffic Mgt Center Operations	80%	1.520	1.900	Use ITS to reduce vehicle delay, expand to 24/7 operation
1806.61	HELP Patrols, 9/15/2002-9/31/2002	80%	0.960	1.200	State police interstate service patrols (I-87,I-90,I-787)
3752.06	Harrison Street Traffic Ops	80%	-0.012	-0.015	Install closed loop traffic signal, construct wb turn lane (TCM)
3752.12	West Street at Fayette &Erie	80%	-0.034	-0.043	Capacity and mobility improvements
3752.69	Intersection Improvements, Henry Clay Blvd & Buckley Rd	80%	0.513	0.641	Intersection rehabilitation; widening, resurfacing and reconstruction
3752.86	Seventh North St. Ext @ Wetzel Rd	80%	0.220	0.275	Intersection improvment - reduce congestion/improve safety
3802.75	Syracuse Signal System Interconnect	80%	-0.011	-0.014	Downtown traffic signal optimization & route sign improvements
3804.71	Syracuse, Traffic Center Operations Center Staffing	80%	0.160	0.200	Operation and maintenance of control center and interconnect system
5131.25	Intersection Improvements	80%	0.006	0.008	Rt 277, William St, Lossen Rd, incorporate NYS elect & gas utility

TABLE 3, FFY 2002

(Sheet 4 of 6)

PIN	PROJECT DESCRIPTION	FED-AID %	FEDERAL OBLIG ($M)	MATCHED TOTAL ($M)	PROJECT SCOPE
TRAFFIC FLOW IMPROVEMENTS (con't)					
5209.31	Incorporate Utility 9A, Rt 78 at Lincoln and Summit	80%	-0.315	-0.393	Safety, intersection improvements (Withdrawn, project not progressed)
5307.88	Us Rt 62/Cr 152, Bailey Ave (Remove Excess Funds)	80%	-0.072	-0.089	Reconfigure intersection, alignment and signalization
5308.03	Intersection Realignment / Improvement	80%	0.031	0.038	Rt 62 @ Legion, Rt 62 @ Clark/Euclid/North; remove 1 signal
5568.12	Rte 263 Ellicott Creek - Rte 270 Amherst	80%	0.025	0.031	Rte 263 Ellicott Creek - Rte 270 Amherst
5754.43	Hertel Ave, Rte 384 - Starin Ave Imprmts	80%	0.077	0.096	Widen, turn / park lanes, new signal equip & coordination
5754.85	Porter Ave Signal Syst Reconstruction (Revised Estimate)	80%	0.009	0.011	System from Lakeview Ave to Symphony Circle
5755.17	Portage Road, Pine Ave. to Main St.	80%	1.021	1.276	Widening, turn lanes, signal improvements, realignment
5755.30	ITS Incident Mgt (Phase 3 of ITS Strategic Plan)	80%	0.726	0.907	Install surveillance cameras, detectors, variable message signs
5755.43	E. Robinson / N. French Corridor Improvements	80%	-0.406	-0.508	Withdrawn, not CMAQ eligible (replace with STP/flex funds)
5756.44	Traffic SIgnal Replacement, 25 intersections	80%	0.285	0.356	Upgrade signal system; signals, controlers, loop detectors, ped. signals
5756.45	Genesee St Interconnected Signal System Upgrade	80%	0.028	0.035	Install and interconenct signals, controllers, loop detectors, ped. signals
5804.08	ITS Incident Mgmt Freeway Surveillance	80%	0.264	0.330	Freeway Traffic Mgmt Syst., vehl surveillance, detection
5804.86	Buffalo.Area Traffic Operations Center Staff,	80%	0.409	0.511	Manage Traffic Incident Information from Regional ITS Systems
5806.B5	ITS Incident Mgmt Freeway Surveillance	80%	0.037	0.047	Freeway traffic mgmt syst., vehicle surveillance, detection
8754.80	Kimball & McClean Traffic Signals	80%	0.156	0.195	Upgrade 16 intersections, remove/upgrade obsolete traffic control equipment
8756.86	Westchester Co Signals, ITS	80%	0.096	0.120	ITS: Brp, Kenseco Rd/Columbus Ave; CCTV, controllers, detectors
0229.12	INFORM System Upgrade I-495, Exits 40-49	80%	4.461	5.576	Convert to fiber optics based system & replace RCUs with microprocessors
0534.59	Southern State Pkwy ITS	80%	2.258	2.822	ITS construction at Rts 27,109, 27, 110
0756.82	Nassau County Traffic Signal Computer Expansion	80%	-0.536	-0.670	Coordinate signals into computer system
0757.27	Nassau Co Traffic Expansion Program	80%	0.121	0.151	Rebuild & interconnect signals in Garden City & Uniondale
0757.34	Nassau Co Traffic Expansion Program	80%	0.121	0.151	Rebuild & interconnect sigls - Inwood, Elmont & Hicksville
0757.51	Expand Computerized Traffic Sig. Syst	80%	0.125	0.157	Install new equip. compatable w/ Co's central signal syst.
X500.93	Real Time Traffic Adaptive System in NYC	80%	1.950	2.438	Fiber optic cable installation: E. River, Battery Place to Williamsburg Bridge
X501.00	Broadway and 5th Avenue at 23rd Street	80%	0.600	0.750	Imprv syst. access/exit, signal timing to reduce congest'n
X501.27	Fiber Cable Links, Outer Bouroughs to LI City TMC	80%	3.700	4.625	Install fiber-optic network in Bronx, Brooklyn, Queens for future signal network
X806.02	NYC Coordinated Incident Management	80%	2.500	3.125	Expand Help Program, Coordinate with Integrated Incident Mgt System
			27.366	**34.208**	

TABLE 3, FFY 2002

(Sheet 5 of 6)

PIN	PROJECT DESCRIPTION	FED-AID %	FEDERAL OBLIG ($M)	MATCHED TOTAL ($M)	PROJECT SCOPE
TRANSIT					
1754.40	Transportation Management Center Operations	80%	0.051	0.064	ITS Operating Costs, Transit Management Center & Incident Management
5755.15	Erie Co Medical Center CNG Fueling Facility	80%	0.148	0.185	Alt. Fuel vehicle consortium, system from Lakeview Ave to Symphony Circle
5821.82	NFTA, Purchase Commuter Passes	80%	0.256	0.320	Distribute 500 Metro passes per month for one year to market transit system
7804.15	NYSDOT, Bernie Bus Service, Operating Assistance	80%	0.117	0.146	North Country intercity bus service, Watertown to Plattsburgh
8044.06	Rt 138 Lewisboro Metro No. Park & Ride		0.008	0.010	Expand existing Metro North P & R lot, add approx. 92 spaces
8821.61	Middletown to White Plains Bus Service	80%	-0.164	-0.205	Orange Co / Tappan Zee express bus service
8822.18	Haverstraw & Ossining to Metro North RR, Ferry Service	80%	1.192	1.490	Haverstraw / Ossining ferry dock area
8822.19	West Shore Express Bus Service	80%	0.528	0.660	Route 9W bus service to mid-town Manhattan, 10/1/02-9/30/03
8822.42	Croton Falls Bus Service (Remove Excess Funds)	80%	-0.004	-0.005	Shuttle bus service, between Croton Falls Metro North Station and Mahopac
8822.43	Reflect Current Charges, Croton Falls Bus Service	80%	0.000	0.000	Putnam/Westchester, Croton Falls bus service
8822.50	Northern Dutchess - Kingston Bus	80%	-0.028	-0.035	Remove excess funds, Fishkill to Kingston bus service, 1/19/98-6/30/98
8822.64	Danbury to Brewster Train Station, Bus Service	80%	-0.027	-0.033	NYSDOT TDM unit grant to provide bus svc to rail station
8822.75	Westchester Co, Beeline Loop T Bus Svc	80%	0.000	0.000	Shuttle between Tarrytown Station - White Plains
8822.87	West Co, Bee Line Loop H Bus Service	80%	0.250	0.313	Shuttle between White Plains & corp. parks via Rt 120, 4/1/00-9/30/00
8823.03	Rt 77, Taconic Express Bus	80%	0.470	0.587	Shuttle svc between No. Westchester Co & White Plains
8825.16	MTA, Purchase 30 Comet V Coaches for Metro-North	80%	7.140	8.925	Additional new coaches for the Port Jervis Line to increase capacity
0228.68	LIE Express Bus, Remove Excess Funds	80%	-0.685	-0.857	LIE exp bus, service with stops at exits 52,54,56,58,60,63
0806.58	JFK to Central Nassau Co Express Bus Service	80%	0.001	0.002	Hempstead intermodal transit terminal, Rockville Station & JFK
0L25.60	Nassau & Suffolk Cos Purchase Alternative Fuel Vehicles	80%	1.384	1.730	Co-fund purchase of light duty CNG veh for Clean Cities Program
0L25.70	MTA, FFY 2002-2003 Transit Center	80%	0.400	0.500	Transit Center LIRR / Long Island Bus technical assistance
X500.84	Compressed Natural Gas Taxi Program	80%	1.338	1.673	Place 700 SLUV taxies in service –convert additional 350 vehicles to CNG
X501.25	Design of Staten Island RR/Arlington Intermodal Yard	80%	0.380	0.475	Improvements for truck / rail xfers; extend tail track, construct a runaround track
X822.90	NYC Ferry Prog, Slips 5&6 Manhattan	80%	1.190	1.487	Passenger amenities: Manhattan & 69th St (SI 5) & Brooklyn (SI 6)
XT15.48	MTA, Purchase 320 New Subway Cars	80%	12.325	15.440	Replace aging subway cars with modern cars
XT15.48	MTA, Rehab Queens Blvd Line, Roosevelt Ave Station	80%	16.000	20.000	New entrances, escalators,wall finishes, impr. lighting & circulation, ADA access
XT15.48	MTA, Public Address Project	80%	12.000	15.000	Customer information screens at 156 IRT stations
XT15.48	MTA, Central Bus Maintenance Facility in Queens	80%	2.000	2.500	Construct a new bus facilty
S937.04	Empire Corridor - HSR Passenger Prog.	80%	0.061	0.076	Additional Work for Trainsets 1-7 Design Review and CI
TOTAL			**56.331**	**70.448**	

Summary FFY 2002 CMAQ Funding

CMAQ Categories	FEDERAL OBLIGATION ($M)	MATCHED TOTAL ($M)	Category Description
DEMAND MANAGEMENT	1.77	2.209	Transp. mgmt plans, trip reduction, flex work schedule,veh. restriction progs., etc
I/M AND OTHER TCMs	6.51	8.063	Project development, public education, marketing & outreach progs, etc
PEDESTRIAN/BIKE	3.431	4.288	Bikeways, storage facilities, promotional activities, etc.
SHARED RIDE	6.475	8.046	Vanpool and carpool programs, parking for shared-ride services, etc.
TRAFFIC FLOW IMPROVEMENTS	27.366	34.208	Traf.mgmt & control svcs, signalization & ITS projs, intersection improvemts, etc
TRANSIT	56.331	70.448	New facilities, vehicles, operating assistance, fare subsidies, etc.
PROGRAM TOTAL	**101.883**	**127.262**	

TABLE 4

CMAQ PROGRAM FFY 2002

ALL CMAQ FUNDED TRANSACTIONS DURING FFY 2002 (10/1/01 THRU 9/30/02)

( ) = A SAVINGS TAKEN

FUND SOURCE	REG	SPECIFIC STATUS	OBLIG DATE	PIN	PHASE	FED $	TOT $	FED %	FED AID #	REMARKS
CONG MIT	1	AUTH 9/23	Sep-02	1753.73.3	CONST	36,667	45,834	80%	1374	REFLECT CURRENT CHARGES
CONG MIT	1	AUTH 12/14	Dec-01	1754.18.1	PE	-224,000	-280,000	80%	1428	REMOVE EXCESS FUNDS
CONG MIT	1	AUTH 12/14	Dec-01	1754.18.2	INCID	-4,000	-5,000	80%	1328	WITHDRAW, ROW NOT REQUIRED
CONG MIT - TEA (Q40)	1	AUTH 5/29/01	Dec-01	1754.18.3	CONST	5,460,464	6,825,580	80%	Q400-1754-218	LB, 7/19/2001 LET, INCLUDES STATE FURNISHED EQUIPMENT
CONG MIT - TEA (Q40)	1	AUTH 6/21	Jun-02	1754.18.3	CONST	88,000	110,000	80%	Q400-1754-218	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	1	AUTH 12/6	Dec-01	1754.40.3	OTHER	50,909	63,636	80%	Q400-1754-040	REFLECT CURRENT CHARGES, CDTC AREA TRANSP MGMT CTR OPERATIONS, 6/19/98-6/30/00
CONG MIT - TEA (Q40)	1	AUTH 7/8	Jul-02	1754.53.1	PE	-18,080	-22,600	80%	Q400-1754-053	REMOVE EXCESS FUNDS
CONG MIT - TEA (Q40)	1	AUTH 8/28/01	Jun-02	1754.53.3	CONST	991,648	1,239,560	80%	Q400-1754-253	LB, 10/18/2001 LOCAL LET
CONG MIT - TEA (Q40)	1	AUTH 5/14	May-02	1755.42.1	PE	60,000	75,000	80%	Q400-1755-042	REVISED PE ESTIMATE
CONG MIT	1	AUTH 5/3	May-02	1805.61.1	PE	-726	-908	80%	1334	FINAL VOUCHER SUBMITTED
CONG MIT - TEA (Q40)	1	AUTH 5/3	May-02	1805.61.1	PE	-16,030	-20,038	80%	Q400-1805-061	FINAL VOUCHER SUBMITTED
CONG MIT - TEA (Q40)	1	AUTH 9/26	Sep-02	1806.60.3	OTHER	1,520,000	1,900,000	80%	Q400-1806-603	CAPITAL REGION TRAFFIC CENTER OPERATIONS, 101/02-9/30/03
CONG MIT - TEA (Q40)	1	AUTH 9/5	Sep-02	1806.61.3	OTHER	960,000	1,200,000	80%	Q400-1806-613	HELP PATROLS, 9/15/2002-9/31/2002
CONG MIT - TEA (Q40)	1	FUNDS TO FTA	Feb-02	1T05.02.3	TRANSIT	404,800	506,000	80%	NA-FTA XFER	CDTA, TRAVEL DEMAND MANAGEMENT
CONG MIT - TEA (Q40)	1	FUNDS TO FTA	Feb-02	1T05.09.3	TRANSIT	26,400	33,000	80%	NA-FTA XFER	CDTA, GUARANTEED RIDE HOME
CONG MIT	3	AUTH 3/7	Mar-02	3752.06.1	PE	-11,680	-14,600	80%	-2512	REMOVE EXCESS FUNDS
CONG MIT	3	AUTH 4/1	Apr-02	3752.12.3	CONST	-34,273	-42,841	80%	-664	REMOVE EXCESS FUNDS
CONG MIT	3	AUTH 9/9	Sep-02	3752.69.2	ACQ	512,614	640,768	80%	-721	
CONG MIT	3	AUTH 2/13	Feb-02	3752.78.3	CONST	87,972	109,965	80%	-630	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	3	AUTH 2/5	Feb-02	3752.86.1	PE	28,800	36,000	80%	Q400-3752-086	TO COMPLETE PE
CONG MIT - TEA (Q40)	3	AUTH 9/9	Sep-02	3752.86.2	ACQ	190,831	238,539	80%	Q400-3752-186	
CONG MIT - TEA (Q40)	3	AUTH 3/5	Mar-02	3752.99.1	PE	776,000	970,000	80%	Q400-3752-099	TO COMPLETE PE
CONG MIT	3	AUTH 3/11	Mar-02	3802.75.1	PE	-11,120	-13,900	80%	3200-000S-461	REMOVE EXCESS FUNDS
CONG MIT - TEA (Q40)	3	FUNDS TO FTA	Jul-02	3803.07.3	TRANSIT	10,000	12,500	80%	NA-FTA XFER	CNYRTA, CARPOOL MATCHING SERVICE
CONG MIT - TEA (Q40)	3	AUTH 9/24	Sep-02	3804.71.3	OTHER	160,000	200,000	80%	Q400-3804-713	SYRACUSE, TRAFFIC CENTER OPERATIONS CENTER STAFFING, 10/1/02-9/30/04
CONG MIT - TEA (Q40)	5	AUTH 11/30	Nov-01	5131.25.3	CONST	6,134	7,668	80%	Q400-5131-225	INCORPORATE NYS ELECT & GAS UTILITY #1A
CONG MIT	5	AUTH 8/14	Aug-02	5209.31.2	ROW	-314,727	-393,409	80%	2873	WITHDRAW, PROJECT NOT PROGRESSED
CONG MIT - TEA (Q40)	5	AUTH 7/2	Jul-02	5307.88.3	CONST	-71,531	-89,414	80%	Q400-5307-288	REMOVE EXCESS FUNDS
CONG MIT - TEA (Q40)	5	AUTH 5/2	May-02	5308.03.2	INCID	22,760	28,450	80%	Q400-5308-203	REVISED INCIDENTALS ESTIMATE
CONG MIT - TEA (Q40)	5	AUTH 11/19	Nov-01	5308.03.2	INCID	8,000	10,000	80%	Q400-5308-203	
CONG MIT	5	AUTH 4/11	Apr-02	5568.12.1	PE	5,040	6,300	80%	-2380	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	5	AUTH 4/11	Apr-02	5568.12.1	PE	19,680	24,600	80%	Q400-5568-012	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	5	AUTH 11/21	Nov-01	5754.43.3	CONST	260,154	325,193	80%	Q400-5754-243	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	5	AUTH 8/12	Aug-02	5754.43.3	CONST	-183,194	-228,993	80%	Q400-5754-243	REVISED COST
CONG MIT	5	AUTH 8/20	Aug-02	5754.85.3	CONST	8,800	11,000	80%	-2839	REVISED ESTIMATE
CONG MIT - TEA (Q40)	5	AUTH 9/4	Sep-02	5755.15.3	CONST	39,280	49,100	80%	Q400-5755-215	REVISED CONSTRUCTION COST
CONG MIT - TEA (Q40)	5	AUTH 1/29	Jan-02	5755.15.3	CONST	108,480	135,600	80%	Q400-5755-215	REFLECT 12/20/2001 LOW BID
CONG MIT	5	AUTH 11/6	Nov-01	5755.17.1	PE	-152,960	-191,200	80%	-2572	REDUCED COST
CONG MIT	5	AUTH 11/13	Nov-01	5755.17.1	PE	155,200	194,000	80%	-2572	REVISED PE ESTIMATE
CONG MIT	5	AUTH 12/4	Dec-01	5755.17.1	PE	204,000	255,000	80%	-2572	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	5	AUTH 11/13	Nov-01	5755.17.1	PE	-904,800	-1,131,000	80%	Q400-5755-017	WITHDRAW, NOT REQUIRED
CONG MIT - TEA (Q40)	5	AUTH 11/6	Nov-01	5755.17.1	PE	904,800	1,131,000	80%	Q400-5755-017	TO COMPLETE PE
CONG MIT - TEA (Q40)	5	AUTH 11/6	Nov-01	5755.17.3	CONST	814,680	1,018,350	80%	Q400-5755-217	REFLECT CURRENT ESTIMATE
CONG MIT	5	AUTH 11/6	Nov-01	5755.29.3	CONST	63,045	78,806	80%	-2784	REVISED ESTIMATE
CONG MIT - TEA (Q40)	5	AUTH 11/6	Nov-01	5755.29.3	CONST	105,834	132,293	80%	Q400-5755-229	REVISED ESTIMATE
CONG MIT - TEA (Q40)	5	AUTH 5/14	May-02	5755.30.1	PE	-22,463	-28,079	80%	Q400-5755-030	REVISED PE ESTIMATE
CONG MIT - TEA (Q40)	5	AUTH 1/2	Jan-02	5755.30.1	P & D	716,000	895,000	80%	Q400-5755-030	
CONG MIT - TEA (Q40)	5	AUTH 1/8	Jan-02	5755.30.1	PE	16,000	20,000	80%	Q400-5755-030	REVISED PE ESTIMATE
CONG MIT - TEA (Q40)	5	AUTH 7/18	Jul-02	5755.30.1	P & D	16,000	20,000	80%	Q400-5755-030	FOR D212922 (PH 1-6)
CONG MIT - TEA (Q40)	5	AUTH 1/14	Jan-02	5755.43.1	S, P & D	-406,400	-508,000	80%	Q400-5755-043	WITHDRAW, REPLACE WITH STP/FLEX FUNDS, NOT CMAQ ELIGIBLE
CONG MIT - TEA (Q40)	5	AUTH 12/26	Dec-01	5756.44.1	S & D	284,800	356,000	80%	Q400-5756-044	
CONG MIT	5	AUTH 11/21	Nov-01	5756.45.1	P & D	28,000	35,000	80%	-2601	
CONG MIT - TEA (Q40)	5	AUTH 6/10	Jun-02	5804.08.1	OTHER	264,000	330,000	80%	Q400-9336-606	FOR D008615-6 (ADD'L SYUDY/IMPLEMENTATION/OVERSIGHT)
CONG MIT - TEA (Q40)	5	AUTH 3/29	Mar-02	5804.86.3	OTHER	408,800	511,000	80%	Q400-5804-286	BUFFALO AREA TRAFFIC OPERATIONS CENTER STAFF, 4/1/02-3/31/03
CONG MIT - TEA (Q40)	5	AUTH 5/29	May-02	5806.85.3	CONST	37,437	46,796	80%	Q400-5804-408	THROUGH OOC #1
CONG MIT - TEA (Q40)	5	FUNDS TO FTA	Jul-02	5821.82.3	TRANSIT	256,000	320,000	80%	NA-FTA XFER	NFTA, PURCHASE COMMUTER PASSES
CONG MIT - TEA (Q40)	7	FUNDS TO FTA	Aug-02	7804.15.3	TRANSIT	117,000	146,250	80%	NA-FTA XFER	NYSDOT, BERNIE BUS SERVICE, 2002-04 OPERATING ASSISTANCE

FUND SOURCE	REG	SPECIFIC STATUS	OBLIG DATE	PIN	PHASE	FED $	TOT $	FED %	FED AID #	REMARKS
CONG MIT	8	AUTH 1/8	Jan-02	8044.06.1	PE	1,040	1,300	80%	-5971	REFLECT CURRENT CHARGES
CONG MIT	8	AUTH 7/2	Jul-02	8044.06.1	PE	-31	-39	80%	-5971	FINAL VOUCHER SUBMITTED
CONG MIT - TEA (Q40)	8	AUTH 1/8	Jan-02	8044.06.1	PE	1,920	2,400	80%	Q400-8871-300	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	8	AUTH 7/2	Jul-02	8044.06.1	PE	-33	-41	80%	Q400-8871-300	FINAL VOUCHER SUBMITTED
CONG MIT	8	AUTH 1/8	Jan-02	8044.06.2	ROW	5,116	6,395	80%	-5972	REFLECT CURRENT CHARGES
CONG MIT	8	AUTH 3/29	Mar-02	8561.14.2	ROW	3,601	3,601	100%	2945	REFLECT CURRENT CHARGES
CONG MIT - TEA (Q40)	8	AUTH 11/30	Nov-01	8754.80.1	P & D	152,000	190,000	80%	Q400-8754-080	
CONG MIT - TEA (Q40)	8	AUTH 11/30	Nov-01	8754.80.2	INCID	4,000	5,000	80%	Q400-8754-160	
CONG MIT	8	AUTH 8/27	Aug-02	8754.93.3	CONST	103,942	129,928	80%	-5747	THROUGH OOC #3
CONG MIT	8	AUTH 3/25	Mar-02	8755.19.2	ROW	-1,704	-2,130	80%	-1378	REMOVE EXCESS FUNDS
CONG MIT - TEA (Q40)	8	AUTH 3/28	Mar-02	8755.19.3	CONST	-157,868	-197,335	80%	Q400-8755-019	REMOVE EXCESS FUNDS
CONG MIT	8	AUTH 11/30	Nov-01	8755.80.2	INCID	-16,864	-21,080	80%	-5635	REVISED INCIDENTALS ESTIMATE
CONG MIT - TEA (Q40)	8	AUTH 11/30	Nov-01	8755.80.2	ACQ	-1,046,802	-1,308,503	80%	Q400-8755-080	REVISED ACQUISITION ESTIMATE
CONG MIT - TEA (Q40)	8	AUTH 1/23	Jan-02	8755.80.3	CONST	81,920	102,400	80%	Q400-8755-280	REFLECT 1/10/2002 LOW BID
CONG MIT - TEA (Q40)	8	AUTH 1/29	Jan-02	8755.80.3	CONST	42,536	53,170	80%	Q400-8755-280	FOR D012610-1 (CI)
CONG MIT - TEA (Q40)	8	AUTH 11/7	Nov-01	8755.80.3	CONST	1,473,966	1,842,458	80%	Q400-8755-280	FOR D012610-1 (CI) AND REVISED ESTIMATE
CONG MIT - TEA (Q40)	8	AUTH 11/7	Nov-01	8756.86.1	PE	96,000	120,000	80%	Q400-8756-086	REVISED PE ESTIMATE
CONG MIT - TEA (Q40)	8	AUTH 1/14	Jan-02	8758.76.1	S, P & D	48,000	60,000	80%	Q400-8758-076	
CONG MIT - TEA (Q40)	8	AUTH 1/14	Jan-02	8758.76.2	INCID	17,600	22,000	80%	Q400-8758-176	
CONG MIT - TEA (Q40)	8	AUTH 1/28	Jan-02	8806.88.1	OTHER	252,000	315,000	80%	Q400-8806-288	TO COMPLETE, WEST CO ECO PROGRAM, 1/1/00-6/30/01
CONG MIT - TEA (Q40)	8	AUTH 1/14	Jan-02	8806.88.1	OTHER	550,400	688,000	80%	Q400-8806-368	WEST CO ECO PROGRAM, 1/1/02-12/31/02
CONG MIT - TEA (Q40)	8	AUTH 11/8	Nov-01	8806.89.1	OTHER	240,000	300,000	80%	Q400-8806-389	ROCKLAND CO, ECO PROGRAM, 10/1/2001-9/30/2002
CONG MIT - TEA (Q40)	8	AUTH 9/23	Sep-02	8806.89.1	OTHER	44,000	55,000	80%	Q400-8806-389	REVISED COST, ROCKLAND COUNTY ECO PROGRAM, 10/1/01-9/30/02
CONG MIT - TEA (Q40)	8	AUTH 9/30	Sep-02	8806.89.1	OTHER	240,000	300,000	80%	Q400-8806-891	ROCKLAND COUNTY ECO PROGRAM, 10/1/02-9/30/03
CONG MIT - TEA (Q40)	8	AUTH 9/30	Sep-02	8806.90.1	OTHER	160,000	200,000	80%	Q400-8806-901	METRO NORTH COMMUTE OPTIONS ADVERTIXING, WEST CO. 10/1/02-9/30/03
CONG MIT - TEA (Q40)	8	AUTH 12/13	Dec-01	8806.97.1	PE	60,000	75,000	80%	Q400-8806-097	REVISED ESTIMATE
CONG MIT - TEA (Q40)	8	AUTH 12/26	Dec-01	8820.38.1	OTHER	624,000	780,000	80%	Q400-8820-638	METROPOOL RIDESHARING, 1/1/02-12/31/02
CONG MIT - TEA (Q40)	8	AUTH 4/11	Apr-02	8821.61.3	OTHER	-163,920	-204,900	80%	Q400-8821-061	REMOVE EXCESS FUNDS, MIDDLETOWN TO WHITE PLAINS BUS SERVICE, 12/11/97-9/30/99
CONG MIT - TEA (Q40)	8	AUTH 9/24	Sep-02	8822.18.1	OTHER	200,000	250,000	80%	Q400-8822-218	ADDITIONAL FOR HAVERSTRAW & OSSINING TO METRO NORTH RR, FERRY SERVICE, 9/1/01-9/30/02
CONG MIT - TEA (Q40)	8	AUTH 9/30	Sep-02	8822.18.1	OTHER	1,000,000	1,250,000	80%	Q400-8822-181	HAVERSTRAW & OSSINING TO METRO NORTH RR, FERRY SERVICE, 10/1/02-9/30/03
CONG MIT - TEA (Q40)	8	AUTH 10/30	Oct-01	8822.18.2	INCID	-8,000	-10,000	80%	Q40-8822-118	WITHDRAW, ROW NOT REQUIRED
CONG MIT - TEA (Q40)	8	AUTH 11/13	Nov-01	8822.19.1	OTHER	320,000	400,000	80%	Q400-8822-119	ROUTE 9W BUS SERVICE TO MIDTOWN MANHATTAN, 10/1/2001-9/30/2002
CONG MIT - TEA (Q40)	8	AUTH 9/30	Sep-02	8822.19.1	OTHER	208,000	260,000	80%	Q400-8822-191	ROUTE 9W BUS SERVICE TO MID-TOWN MANHATTAN, 10/1/02-9/30/03
CONG MIT	8	AUTH 12/4	Dec-01	8822.42.1	OTHER	-4,000	-5,000	80%	-5664	REMOVE EXCESS FUNDS, CROTON FALLS BUS SERVICE, 10/1/97-9/30/99
CONG MIT - TEA (Q40)	8	AUTH 12/4	Dec-01	8822.43.1	OTHER	158	198	80%	Q400-8822-043	REFLECT CURRENT CHARGES, CROTON FALLS BUS SERVICE, 10/1/99-9/30/00
CONG MIT	8	AUTH 12/4	Dec-01	8822.50.1	OTHER	-28,000	-35,000	80%	-5672	REMOVE EXCESS FUNDS, FISHKILL TO KINGSTON BUS SERVICE, 1/19/98-6/30/98
CONG MIT - TEA (Q40)	8	AUTH 12/5	Dec-01	8822.64.1	OTHER	-26,762	-33,453	80%	Q400-8822-164	REMOVE EXCESS FUNDS, DANBURY TO BREWSTER TRAIN STATION, BUS SERVICE, 11/15/99-11/14/00
CONG MIT - TEA (Q40)	8	AUTH 12/5	Dec-01	8822.75.1	OTHER	126	158	80%	Q400-8822-075	REFLECT CURRENT CHARGES, WEST CO, TDM-LOOP T BUS SERVICE, 10/1/98-9/30/99
CONG MIT - TEA (Q40)	8	AUTH 3/12	Mar-02	8822.84.1	OTHER	-32,000	-40,000	80%	Q400-8822-084	WITHDRAW, NOT PROGRESSED, PUTNAM CO, PARK & RIDE LOT LEASE, 10/1/1998-9/30/1999
CONG MIT - TEA (Q40)	8	AUTH 11/8	Nov-01	8822.84.1	OTHER	17,600	22,000	80%	Q400-8822-384	PUTNAM CO, PARK & RIDE LOT LEASE, 10/1/2001-9/30/2002
CONG MIT - TEA (Q40)	8	AUTH 9/30	Sep-02	8822.84.1	OTHER	44,000	55,000	80%	Q400-8822-841	PUTNAM COUNTY PARK & RIDE LOT TRANSFER PROGRAM, 10/1/02-9/30/04
CONG MIT - TEA (Q40)	8	AUTH 12/5	Dec-01	8822.87.1	OTHER	79	99	80%	Q400-8822-087	REFLECT CURRENT CHARGES, WEST CO, BEE LINE LOOP H BUS SERVICE, 6/8/99-3/31/00
CONG MIT - TEA (Q40)	8	AUTH 4/2	Apr-02	8822.87.1	OTHER	250,400	313,000	80%	Q400-8822-287	WEST CO, BEE LINE LOOP H BUS SERVICE, 2/12/2002-9/30/2002
CONG MIT - TEA (Q40)	8	AUTH 4/2	Apr-02	8823.03.1	OTHER	181,600	227,000	80%	Q400-8823-103	TACONIC EXPRESS BUS SERVICE, 2/12/2002-9/30/2002
CONG MIT - TEA (Q40)	8	AUTH 9/30	Sep-02	8823.03.1	OTHER	288,000	360,000	80%	Q400-8823-031	TACONIC EXPRESS BUS, 10/1/02-9/30/03
CONG MIT - TEA (Q40)	8	AUTH 12/5	Dec-01	8825.12.1	OTHER	-7,974	-9,968	80%	Q400-8825-012	REMOVE EXCESS FUNDS, PUTNAM CO GUARANTEED RIDE HOME PROGRAM, 10/1/98-9/30/99
CONG MIT - TEA (Q40)	8	FUNDS TO FTA	Mar-02	8825.16.3	TRANSIT	7,140,000	8,925,000	80%	NA-FTA XFER	MTA, PURCHASE 30 COMET V COACHES FOR METRO-NORTH
CONG MIT - TEA (Q40)	8	AUTH 12/4	Dec-01	8950.04.1	OTHER	760,000	950,000	80%	Q400-8950-004	WESTCHESTER VANPOOL DEMONSTRATION, 1/1/02-12/31/04
CONG MIT	10	AUTH 9/23	Sep-02	0228.68.1	OTHER	-685,350	-856,688	80%	2904	REMOVE EXCESS FUNDS, LIE EXPRESS BUS, 1/1/97-1/2/99
CONG MIT - TEA (Q40)	10	AUTH 4/19	Apr-02	0229.12.3	CONST	-1,095,174	-1,368,968	80%	Q400-0229-212	REFLECT 4/4/2002 LOW BID, TAPERED MATCH, INCLUDES STATE FURNISHED EQUIPMENT
CONG MIT - TEA (Q40)	10	AUTH 9/22/00	Mar-02	0229.12.3	CONST	5,304,000	6,630,000	80%	Q400-0229-212	FOR 3/7/2002 LETTING (TAPERED MATCH), INCLUDES D010367-1 (CSS)
CONG MIT - TEA (Q40)	10	AUTH 7/11	Jul-02	0229.12.3	CONST	252,222	315,278	80%	Q400-0229-212	FOR D015197 (CI)
CONG MIT	10	AUTH 8/30	Aug-02	0534.59.3	CONST	64,800	81,000	80%	2607	FOR D010161-2 (ADD'L CI)
CONG MIT	10	AUTH 12/5	Dec-01	0534.59.3	CONST	48,078	60,098	80%	2607	THROUGH OOC #10
CONG MIT - TEA (Q40)	10	AUTH 12/5	Dec-01	0534.59.3	CONST	2,144,624	2,680,780	80%	Q400-0534-059	THROUGH OOC #10
CONG MIT	10	AUTH 9/20	Sep-02	0756.82.3	CONST	-535,674	-669,593	80%	2362	REMOVE EXCESS FUNDS
CONG MIT	10	AUTH 4/8	Apr-02	0756.84.1	PE	-33,200	-41,500	80%	2360	REMOVE EXCESS FUNDS
CONG MIT - TEA (Q40)	10	AUTH 11/2	Nov-01	0757.27.3	CONST	121,000	151,250	80%	Q400-0757-027	FOR D010349-2 (ADD'L CI)
CONG MIT - TEA (Q40)	10	AUTH 11/2	Nov-01	0757.34.3	CONST	121,000	151,250	80%	Q400-0757-034	FOR D010349-2 (ADD'L CI)
CONG MIT - TEA (Q40)	10	AUTH 12/26	Dec-01	0757.51.3	CONST	125,400	156,750	80%	Q400-0757-251	FOR D012542-1 (ADD'L CI)
CONG MIT	10	AUTH 4/2	Apr-02	0801.70.1	OTHER	25,600	25,600	100%	2129	RT 106/107 PARK & RIDE LOT LEASE, 7/1/2002-6/30/2003
CONG MIT	10	AUTH 4/4	Apr-02	0801.70.1	OTHER	6,400	6,400	100%	2129	REFLECT CORRECT COST, RT 106/107 PARK & RIDE LOT LEASE, 7/1/2002-6/30/2003

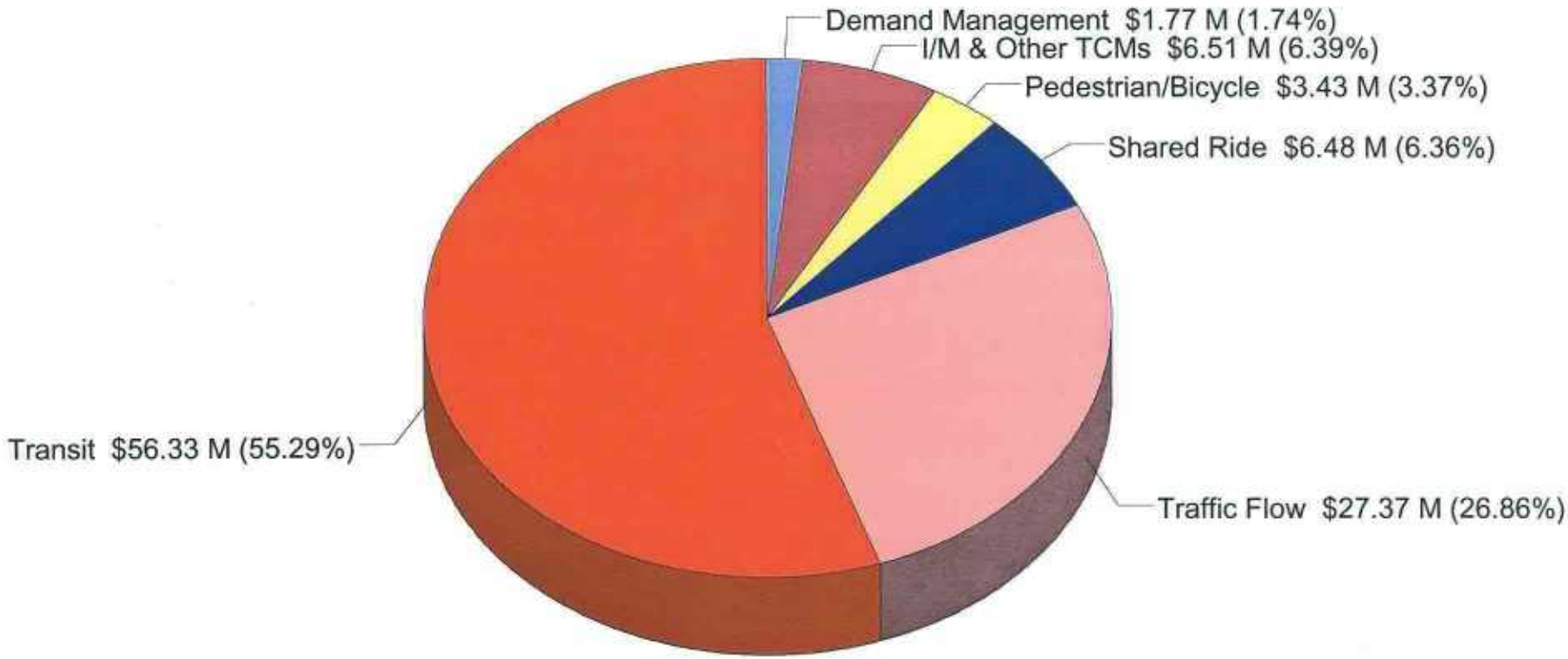
TABLE 4, FFY 2002
(SHEET 3 OF 3)

FUND SOURCE	REG	SPECIFIC STATUS	OBLIG DATE	PIN	PHASE	FED $	TOT $	FED %	FED AID #	REMARKS
CONG MIT	10	AUTH 12/4	Dec-01	0803.72.1	OTHER	-140,806	-176,008	80%	3200-TDMP-15	REMOVE EXCESS FUNDS, NASSAU & SUFFOLK COS, TDM WORK PROGRAM, 7/1/92-3/31/94
CONG MIT	10	AUTH 12/4	Dec-01	0803.72.1	OTHER	29,222	29,222	100%	3200-TDMP-94	REFLECT CURRENT CHARGES, NASSAU & SUFFOLK CO, TDM WORK PROGRAM, 4/1/94-3/31/95
CONG MIT	10	AUTH 12/5	Dec-01	0803.72.1	OTHER	-70,708	-70,708	100%	3200-TDMP-95	REMOVE EXCESS FUNDS, TDM WORK PROGRAM, 4/1/95-3/31/96
CONG MIT	10	AUTH 12/5	Dec-01	0803.72.1	OTHER	-19,190	-19,190	100%	32A0-TDMP-96	REMOVE EXCESS FUNDS, TDM WORK PROGRAM, 4/1/96-3/31/97
CONG MIT	10	AUTH 12/4	Dec-01	0803.72.1	OTHER	-20,276	-20,276	100%	2325	REMOVE EXCESS FUNDS, TDM WORK PROGRAM, 4/1/97-3/31/98
CONG MIT - TEA (Q40)	10	AUTH 12/4	Dec-01	0803.72.1	OTHER	-29,568	-29,568	100%	Q400-0803-272	REMOVE EXCESS FUNDS, TDM WORK PROGRAM, 4/1/99-3/31/00
CONG MIT - TEA (Q40)	10	AUTH 12/4	Dec-01	0803.72.1	OTHER	-68,506	-68,506	100%	Q400-0803-273	REMOVE EXCESS FUNDS, TDM WORK PROGRAM, 3/30/00-3/28/01
CONG MIT	10	AUTH 3/13	Mar-02	0803.72.1	OTHER	162,000	202,500	80%	1925	LONG ISLAND TDM PROGRAM, 3/29/02-3/28/03
CONG MIT	10	AUTH 12/5	Dec-01	0805.23.1	OTHER	-190,440	-190,440	100%	32A0-TDMP-95	REMOVE EXCESS FUNDS, TDM GRANT PROGRAM, 10/1/95-3/31/96
CONG MIT	10	AUTH 12/5	Dec-01	0805.23.1	OTHER	-91,566	-91,566	100%	2272	REMOVE EXCESS FUNDS, TDM GRANT PROGRAM, 10/28/97-9/30/98
CONG MIT	10	AUTH 12/5	Dec-01	0805.41.1	OTHER	-156,161	-195,201	80%	3200-TDMP-30	REMOVE EXCESS FUNDS, NASSAU CO, EMPLOYEE COMMUTE OPTIONS PROGRAM, 3/10/94-12/31/97
CONG MIT - TEA (Q40)	10	AUTH 11/19	Nov-01	0805.53.1	OTHER	600,000	600,000	100%	Q400-0805-353	LONG ISLAND TDM OUTREACH PROGRAM, 1/12/2002-1/17/2003
CONG MIT	10	AUTH 12/5	Dec-01	0805.53.3	OTHER	-125,030	-125,030	100%	32A0-TDMP-95	REMOVE EXCESS FUNDS, NASSAU & SUFFOLK COS, OUTREACH/PUBLIC EDUCATION PROGRAM, 5/1/95-9/30/
CONG MIT	10	AUTH 6/10	Jun-02	0806.34.1	OTHER	159,000	159,000	100%	2053	COMMUTE ALTERNATIVE PROGRAM, 6/7/2002 - 5/31/2003
CONG MIT - TEA (Q40)	10	AUTH 12/6	Dec-01	0806.58.1	OTHER	1,202	1,503	80%	Q400-0806-058	REFLECT CURRENT CHARGES, JFK TO CENTRAL NASSAU CO, BUS SERVICE, 1/1//99-12/31/99
CONG MIT	10	AUTH 9/23	Sep-02	0807.16.1	OTHER	264,000	330,000	80%	2232	OZONE ALERT DAYS ALTERNATE TRAVEL MODES, 9/20/02-9/20/03
CONG MIT - TEA (Q40)	10	AUTH 9/30	Sep-02	0807.26.3	OTHER	2,400,000	3,000,000	80%	Q400-0807-263	MERRICK SHUTTLE, 10/1/02-9/30/05
CONG MIT - TEA (Q40)	10	AUTH 9/13	Sep-02	0L25.60.1	OTHER	1,384,000	1,730,000	80%	Q400-0L25-060	ADDITIONAL REQUIRED, NASSAU & SUFFOLK COS, ALTERNATIVE FUEL VEHICLES
CONG MIT - TEA (Q40)	10	FUNDS TO FTA	Mar-02	0L25 70.3	TRANSIT	400,000	500,000	80%	NA-FTA XFER	MTA, FFY 2002-2003 TRANSITCENTER
CONG MIT	11	AUTH 4/2	Apr-02	X500.43.3	CONST	-440,000	550,000	-80%	3157	REMOVE EXCESS FUNDS
CONG MIT - TEA (Q40)	11	AUTH 9/17	Sep-02	X500.69.3	OTHER	150,000	187,500	80%	Q400-X500-693	HEAVY DUTY DIESEL SMOKE INSPECTION OUTREACH, 10/1/02-7/31/05
CONG MIT - TEA (Q40)	11	AUTH 9/11	Sep-02	X500.76.1	OTHER	1,500,000	1,875,000	80%	Q400-X500-076	REVISED COST, AUTOMOTIVE EMISSIONS LAB
CONG MIT - TEA (Q40)	11	AUTH 10/31	Oct-01	X500.78.1	OTHER	304,000	380,000	80%	Q40-X500-178	REVISED COST, COMMUTER LINK TRANSP MGMT PROG, 7/1/02-10/30/06
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X500.84.3	OTHER	1,338,398	1,672,998	80%	Q400-X500-084	TO CONVERT ADDITIONAL 350 VEHICLES TO NATURAL GAS
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X500.86.3	OTHER	1,500,000	1,875,000	80%	Q400-X500-086	TO ADD 200 ALTERNATIVE FUEL VEHICLES TO PRIVATE FLEET
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X500.87.3	OTHER	1,700,000	2,125,000	80%	Q400-X500-087	REVISED ESTIMATE, ALTERNATE FUEL PROGRAM
CONG MIT - TEA (Q40)	11	AUTH 9/11	Sep-02	X500.88.3	OTHER	776,122	895,153	87%	Q400-X500-883	TAXI ON BOARD DIAGNOSTIC TESTING EQUIPMENT INSTALL
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X500.93.3	OTHER	1,950,400	2,438,000	80%	Q400-X500-933	FIBER OPTIC CABLE ALONG EAST RIVER, BATTERY PLACE TO WILLIAMSBURG BRIDGE
CONG MIT - TEA (Q40)	11	AUTH 9/23	Sep-02	X500.96.1	PE	138,400	173,000	80%	Q400-X500-096	REVISED PE COST
CONG MIT - TEA (Q40)	11	AUTH 9/23	Sep-02	X501.00.1	PE	600,000	750,000	80%	Q400-X501-100	REVISED PE COST
CONG MIT - TEA (Q40)	11	AUTH 9/23	Sep-02	X501.01.1	PE	175,000	218,750	80%	Q400-X501-001	REVISED PE COST
CONG MIT	11	AUTH 12/28	Dec-01	X501.04.1	PE	175,200	219,000	80%	3196	REVISED PE COST, LOWER MANHATTAN PEDESTRIAN PROJECT
CONG MIT - TEA (Q40)	11	AUTH 9/24	Sep-02	X501.06.1	PE	584,000	730,000	80%	Q400-X501-006	REVISED PE COST
CONG MIT - TEA (Q40)	11	AUTH 8/30	Aug-02	X501.07.1	PE	-80,000	-100,000	80%	Q400-X501-007	WITHDRAW, TO BE DONE UNDER ANOTHER PROJECT
CONG MIT - TEA (Q40)	11	AUTH 9/23	Sep-02	X501.13.1	OTHER	1,855,200	2,319,000	80%	Q400-X501-013	ADDITIONAL REQUIRED, PARKING INFORMATION & DEMONSTRATION
CONG MIT - TEA (Q40)	11	AUTH 9/24	Sep-02	X501.22.1	S	160,000	200,000	80%	Q400-X501-221	BRONX RIVER GREENWAY PEDESTRIAN FACILITY
CONG MIT - TEA (Q40)	11	AUTH 3/27	Mar-02	X501.24.3	OTHER	225,000	281,250	80%	Q400-X501-024	WALK TO SCHOOL PROGRAM (COMMUTING STUDY ON STUDENTS)
CONG MIT - TEA (Q40)	11	AUTH 9/23	Sep-02	X501.25.1	S, P & D	380,000	475,000	80%	Q400-X501-251	DESIGN OF STATEN ISLAND RR/ARLINGTON INTERMODAL YARD, PED/BIKE ESPLANADE
CONG MIT - TEA (Q40)	11	AUTH 6/13	Jun-02	X501.26.1	S, P & D	1,000,000	1,250,000	80%	Q400-X501-261	SOUTH BRONX WATERFRONT, BIKE/PED PATH, WESTCHESTER AVENUE TO RANDALLS ISLAND
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X501.27.3	OTHER	3,700,000	4,625,000	80%	Q400-X501-273	FIBER CABLE LINKS, OUTER BOUROUGHS TO TMC IN LONG ISLAND CITY
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X501.28.3	OTHER	132,000	165,000	80%	Q400-X501-283	PRIVATE FERRY EMISSIONS DEMO, 10/1/02-10/31/03
CONG MIT - TEA (Q40)	11	AUTH 9/23	Sep-02	X501.29.1	OTHER	400,000	500,000	80%	Q400-X501-029	EPISODIC EMISSION CONTROL STUDY
CONG MIT - TEA (Q40)	11	AUTH 9/30	Sep-02	X806.02.1	OTHER	2,500,000	3,125,000	80%	Q400-X806-021	NYC COORDINATED INCIDENT MANAGEMENT, 10/1/02 - 1/1/06
CONG MIT	11	AUTH 9/24	Sep-02	X822.90.3	CONST	1,189,600	1,487,000	80%	3110	REVISED CONSTRUCTION COST, SLIPS 5&6
CONG MIT - TEA (Q40)	11	FUNDS TO FTA	Mar-02	XT15.48.3	TRANSIT	12,325,000	15,440,000	80%	NA-FTA XFER	MTA, PURCHASE 320 NEW SUBWAY CARS
CONG MIT - TEA (Q40)	11	FUNDS TO FTA	Mar-02	XT15.48.3	TRANSIT	6,000,000	7,500,000	80%	NA-FTA XFER	MTA, REHAB ROOSEVELT AVENUE STATION ON QUEENS BOULEVARD LINE
CONG MIT - TEA (Q40)	11	FUNDS TO FTA	Mar-02	XT15.48.3	TRANSIT	12,000,000	15,000,000	80%	NA-FTA XFER	MTA, PUBLIC ADDRESS/CUSTOMER INFORMATION SCREENS AT 156 IRT STATIONS
CONG MIT - TEA (Q40)	11	FUNDS TO FTA	Sep-02	XT15.48.3	TRANSIT	2,000,000	2,500,000	80%	NA-FTA XFER	MTA, CENTRAL BUS MAINTENANCE FACILITY IN QUEENS
CONG MIT - TEA (Q40)	11	FUNDS TO FTA	Jul-02	XT15.48.3	TRANSIT	10,000,000	12,500,000	80%	NA-FTA XFER	MTA, REHAB ROOSEVELT AVENUE STATION ON QUEENS BOULEVARD LINE
CONG MIT - TEA (Q40)	SW	AUTH 5/29	May-02	S937.04.3	OTHER	162,400	203,000	80%	Q400-S937-104	FOR REVISED D008939-3 (TRAINSETS 1&2 DESIGN REVIEW AND CI)
CONG MIT - TEA (Q40)	SW	AUTH 5/29	May-02	S937.04.3	OTHER	-101,500	-126,875	80%	Q400-S937-004	FOR REVISED D008939-3 (TRAINSETS 3-7 DESIGN REVIEW AND CI)

FIGURE 1

CMAQ Funds Obligated by Project Type

New York State - Federal Fiscal Year 2002



Total Federal Funds Obligated FFY 2002= $102 Million

received $80 million in obligated funds representing 77.5% of the total FFY 2003 funds obligated. New York's High Speed Rail program accounted for less than 1% of these obligated funds. Traffic flow improvement projects received $19 million representing 18% of total obligated funds. The majority of these flow improvement projects have been in Region 10. Demand management and shared ride projects together realized an obligation level of 2.6% of the overall statewide obligations, and pedestrian and bicycle facility improvement projects represented 0.7% of the total. The obligation for I/M and other TCM projects was $0.7, funding having fluctuated from a low of $0.12 million in FFY 92 to a high of $22.1 million in FFY 97. Variations in obligated funds for this type project may be related to the fact that most required TCMs have already been completed in the New York City metropolitan area, and vehicle inspection and maintenance projects are being funded through other sources as well as CMAQ.

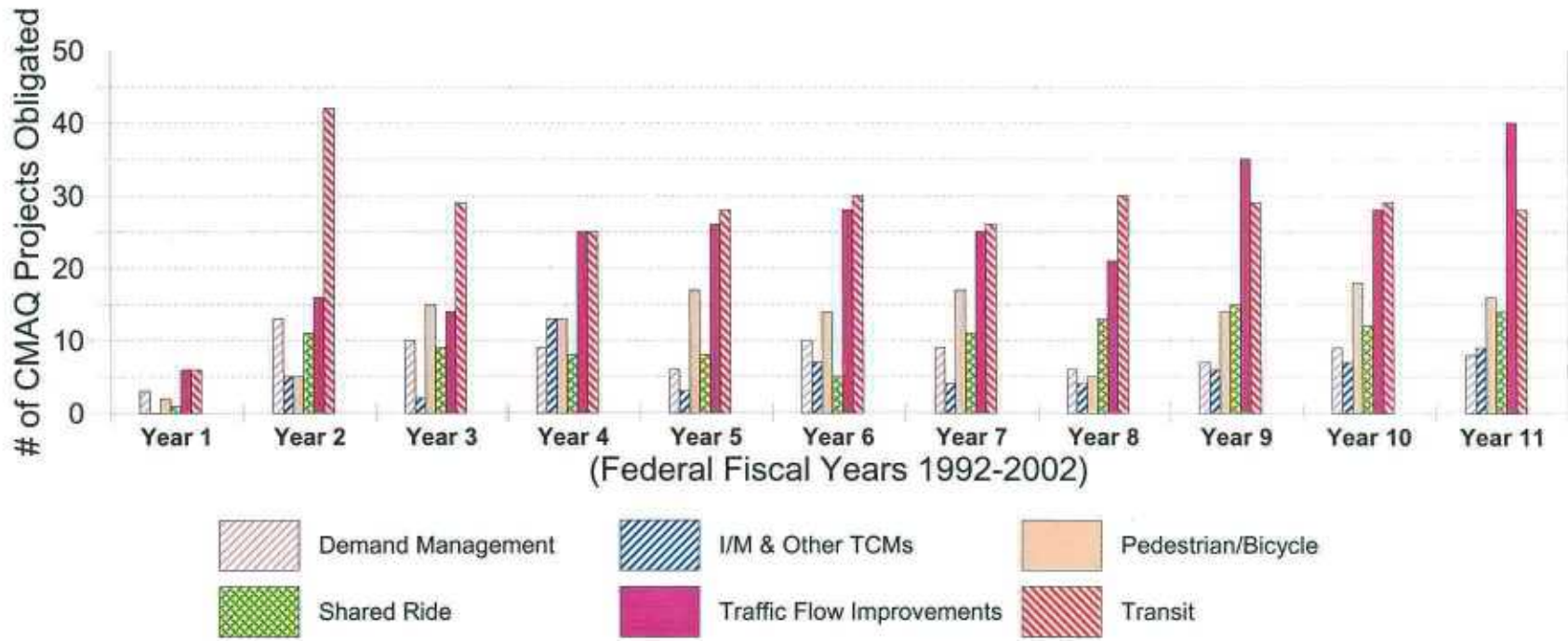
Figure 2 presents the six FHWA project categories obligated in FFY 2003, and compares FFY 2003 activity level to the CMAQ Program's activity over the preceding eleven years illustrating the Department's goal to achieve an intermodal program enhanced by projects funded with CMAQ. From the perspective of number of projects, the program has become more balanced than in the early years. Transit and traffic flow improvement projects top the list with 33 and 31 funded projects, respectively. Transit improvement projects have always represented a significant portion of the total CMAQ Program in New York State. "Demand management" and "shared ride" projects continue to receive CMAQ funding, especially in the areas of New York City, Long Island and the lower Hudson Valley, where NYSDOT's Regional TDM Units have played a critical role in improving the efficiency of the existing transportation system, and providing enhancements to multi-modal transportation connections, to reduce dependence on single occupant vehicles (SOV) and improve air quality by ultimately lowering VMT and resulting on-road mobile-source emissions. A total of fourteen "demand management" projects received CMAQ fund obligations during FFY 2003 along with thirteen "shared ride" and twelve "pedestrian / bicycle" type projects. In addition, a total of two "I/M and other TCMs" projects were obligated in FFY 2003.

Figure 3 illustrates the twelve year funding commitment of New York's CMAQ Program by project category. The CMAQ Program has enabled New York to strengthen its commitment to multi-modal transportation solutions through transit investments that include key infrastructure improvements, and provision of new and varied services. New York State has also committed a significant share of funding for bicycle and pedestrian travel facilities, intelligent transportation systems, SIP-required TCMs, and traffic flow improvement projects, that contribute to congestion relief, mobility enhancement and sustainable transportation solutions. The continued successful implementation of the CMAQ Program reflects the Department's and MPO's commitment to fully comply with the Clean Air Act's mandated responsibilities.

From an emissions reduction perspective, the estimated pollutant reductions obtained from quantified projects for FFY 2003 of the CMAQ Program, as provided by Table 2, can be compared to the totals reported for the preceding eleven years. For the twelve years since the inception of the CMAQ Program, CO, VOC and NOx emissions are estimated to have been reduced by aggregate totals of 347,608 kilograms per day (kg/day), 092,809 kg/day and 82,925 kg/day, respectively, as

FIGURE 2

Number of Projects by USDOT Category



Number of CMAQ Projects Obligated by FHWA Category

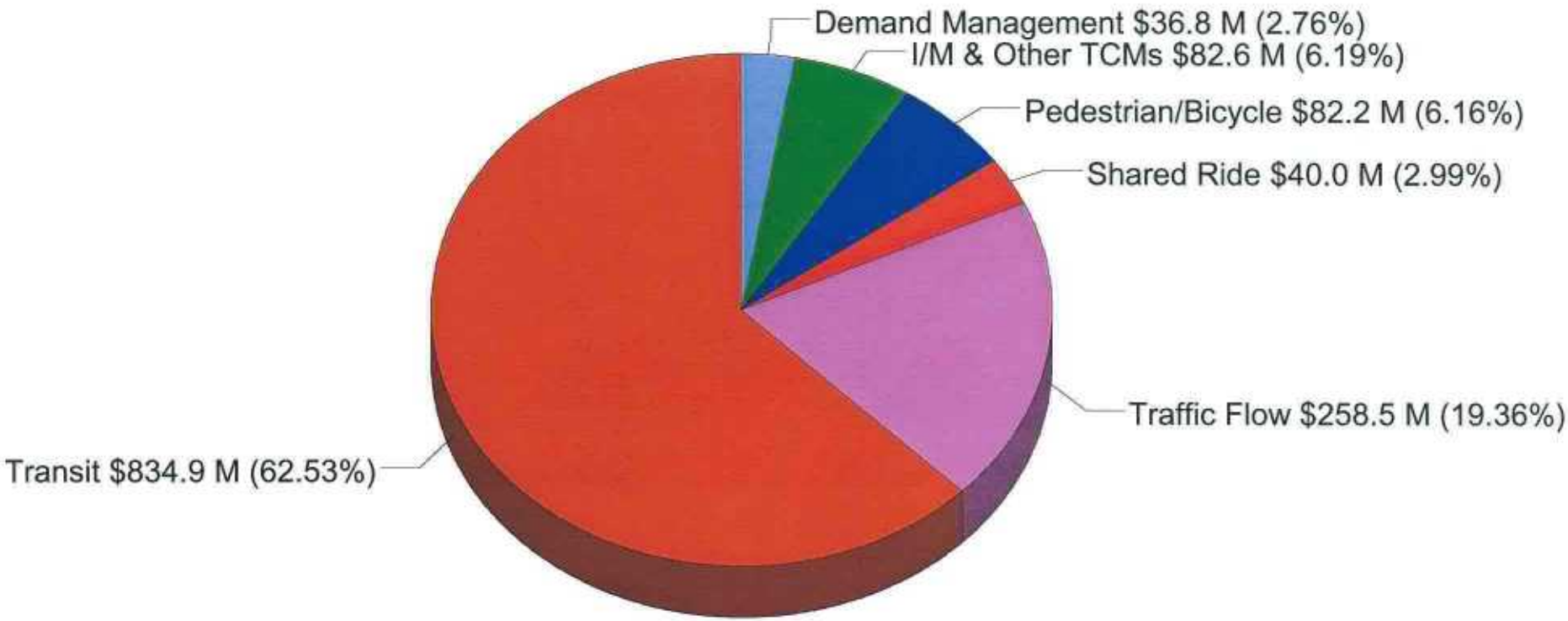
FFY 1992 - FFY 2002

Project Type	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Year 11	Total # Projects
Demand Management	3	13	10	9	6	10	9	6	7	9	8	90
I/M & Other TCMs	0	5	2	13	3	7	4	4	6	7	9	60
Pedestrian/Bicycle	2	5	15	13	17	14	17	5	14	18	16	136
Shared Ride	1	11	9	8	8	5	11	13	15	12	14	107
Traffic Flow Improvements	6	16	14	25	26	28	25	21	35	28	40	264
Transit	6	42	29	25	28	30	26	30	29	29	28	302
Total # of Projects	18	92	79	93	88	94	92	79	106	103	115	959

FIGURE 3

CMAQ Obligations by Category

Total CMAQ Program, FFY 1992 - FFY 2002



Total Funds Obligated = $1335 Million

336,190 kilograms per day (kg/day), 90,755 kg/day and 76,720 kg/day, respectively. Figure 4 presents the reported annual CMAQ Program emissions reductions graphically for FFYs 1992 through 2002.

Significant reductions in particulate matter (PM_{10}) emissions have also been estimated since the CMAQ program's inception. However, only a few CMAQ projects reporting PM_{10} emissions reductions have been obligated in past years, Manhattan being the only area in New York State designated as nonattainment for PM_{10}. Additional reductions have been reported for FFY 2002, however, resulting in a current estimated net program PM_{10} emissions benefit of 1,837,709 kg/day. Although not specifically quantified, qualitatively, virtually all CMAQ projects in and about Manhattan, as well as the remainder of the State, is expected to reduce ambient PM_{10} concentrations. A PM_{10} column has been retained in Table 2. The New York Metropolitan Transportation Council's (NYMTC) New York City Transportation Coordinating Committee applies a bonus in ranking any proposed CMAQ projects that also propose PM_{10} emissions reductions.

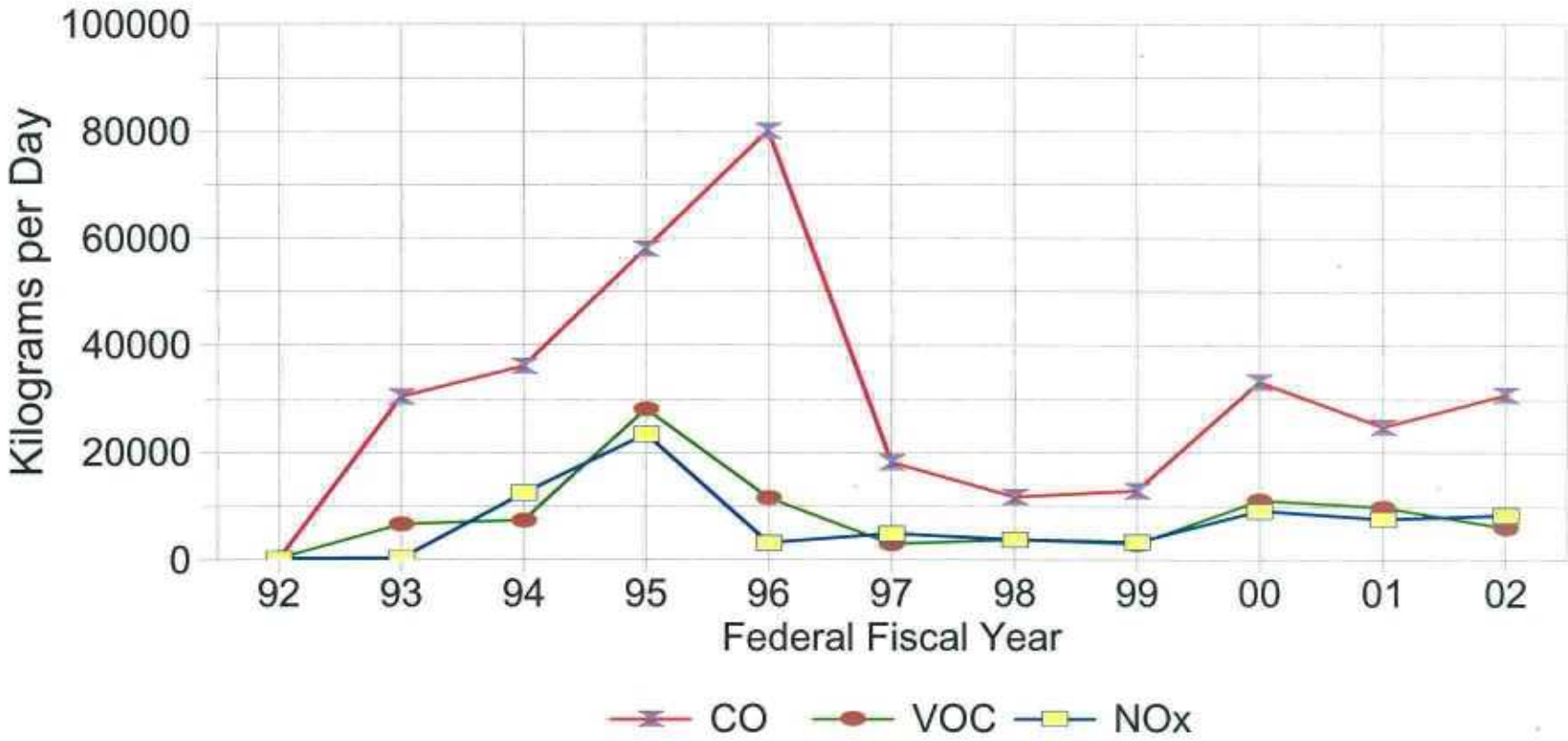
Technical Discussion of Emissions Analysis Issues for CMAQ Funded Projects

The Department is continuing its efforts to refine the administration of its CMAQ program. To this end, CMAQ Program Guidelines were developed by the NYSDOT, Environmental Analysis Bureau (EAB) based on guidance provided by the Federal Highway Administration, Federal Transit Administration, U. S. DOT "Final Guidance for the CMAQ Improvement Program" as published in the February 23, 2000, Federal Register. In consideration of comments received from local, State and Federal agencies and organizations, the CMAQ Program Guidelines and practices have been amended to ensure the CMAQ program's consistent implementation. The Guidelines' most recent, June 12, 2002, amendment introduced the EAB's new air quality analysis software, CMAQtraq, and added a requirement for completeness determinations of all CMAQ proposals prior to the obligation of funds. Additional guidance is being formulated to address implementation of EPA's "Mobile 6" model.

Among the most sought after CMAQ Program feature is consistency; consistency in estimating emissions and ranking projects. Since all CMAQ projects in urban areas must come from conforming transportation plans and TIPs, the need is far reaching, touching upon other programs. Complete documentation of CMAQ project proposals, with emissions and cost estimates, must be part of each local area's project selection process. To improve the annual reporting process required by USDOT and ensure consistency, the Department has encouraged MPOs and Regions to use the Environmental Analysis Bureau's software, CMAQtraq to perform project emissions analyses, and is requiring that all CMAQ project proposals be submitted to the EAB at the time of project selection for completeness certifications prior to the obligation of CMAQ funds. Any subsequent correspondence and documentation related to CMAQ transactions and changes in projects' scopes must be submitted to the EAB as well. Emissions estimates must include all pollutants for which the project area is nonattainment or maintenance. PM_{10} emissions estimates are also requested for projects proposed for Manhattan, it being nonattainment for PM_{10}. Copies of initial project proposals

FIGURE 4

11 Year CMAQ Emissions Reductions



and CMAQ funding applications should also be retained and maintained at the originating Regional office.

The NYSDOT EAB continues to be available to provide guidance and technical support to assist in the development of the required air quality analyses and cost estimates, which should aid in the identification of the most cost effective projects. Several Regions have developed manual spreadsheets for developing estimates. The EAB's web based analytical tool, available to NYSDOT Regions, and the Department's air quality software, CMAQtraq, capable of estimating and tracking the emissions benefits from most CMAQ project types, have been developed to facilitate CMAQ project emissions benefit calculations for motor vehicles. It is expected that air quality analyses will become even more representative with the implementation of EPA's Mobile 6 model during the coming year. Mobile 6 will provide the most current on-road emission factors addressing a wider range of inputs and conditions, enabling more representative emissions estimates, and will include emission factor for PM_{10} and $PM_{2.5}$.

CONCLUSIONS

New York State continues its commitment to be a leader in the use of CMAQ funds for reducing motor vehicle emissions in its efforts to meet the attainment goals established by the Clean Air Act and continue the downward trend in mobile source emissions. Public transit improvement projects continue to receive a majority of the funding, reflecting confidence in the emission reduction capabilities of these projects, and the importance of transit as a partner in New York's transportation program goals. Traffic flow improvement projects and intelligent transportation systems have continued to receive fund commitments due to the inherent congestion mitigation and emission reduction potential of these projects. The CMAQ Program has helped to comply with the ISTEA and TEA-21 mandates of incorporating bicycle transportation facilities and pedestrian accommodation into the transportation planning process. Finally, multi-modal demand management and shared ride projects continue to be funded due to their potential for air quality improvement, mobility enhancement and sustainable transportation initiatives.

The CMAQ project selection processes, including public involvement, are functioning well in New York State at the MPO and the Department's Regional levels. The New York State Department of Transportation's focus will continue to be on delivery of a balanced and quantified CMAQ Program that meets air quality and congestion management goals.