

LILCO, February 10, 1984

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

OFFICE OF SECRETARY
REGULATORY & SERVICE
BRANCH

Before the Atomic Safety and Licensing Board

In the Matter of)
)
LONG ISLAND LIGHTING COMPANY) Docket No. 50-322-OL-3
) (Emergency Planning Proceeding)
(Shoreham Nuclear Power Station,)
Unit 1))

LILCO'S MOTION TO STRIKE PORTIONS OF NEW YORK'S
DIRECT TESTIMONY ON EMERGENCY PLANNING CONTENTION 65

LILCO moves to strike those portions of the January 24, 1984 Direct Testimony of Dr. David T. Hartgen, Richard D. Albertin, Robert G. Knighton and Foster Beach on Behalf of New York State Regarding Emergency Planning Contention 65, entitled "3. Aggressive Behavior" (middle of page 15 to bottom of page 16) and "4. Construction" (bottom of page 16 through page 19 and Attachment D thereto), and in support thereof states as follows:

1. "3. Aggressive Behavior" (pages 15-16): This portion of New York State's testimony describes incidents of aggressive behavior by paying spectators at the 1980 Lake Placid Olympics, directed toward personnel from the New York Department of Transportation who were attempting to aid with transportation planning, particularly with direction of buses ferrying spectators between satellite parking lots and competition areas. Automobiles were barred from access to the town of Lake Placid

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and all paying spectators arriving by automobile were required to park in these satellite areas, located 1 to 8 miles from the village and competition areas, and to be transported by bus from there. A shortage of buses resulted in hours-long waits in the cold and snow for these would-be spectators in satellite lots. This situation prevailed until the fifth day of the Olympics, when Governor Carey declared a limited state of emergency and made State resources available to manage the traffic problems. State employees directed traffic in parking lots, organized bus queues and performed other functions. Some of them, apparently, were recipients of hostility from some, though not all, of the would-be spectators. These facts, described in more detail in Supplemental Testimony of Matthew C. Cordaro, John A. Weismantle, Edward B. Lieberman and Dennis S. Miletic on Behalf of Long Island Lighting Company in Response to New York State Testimony on Phase II Emergency Planning Contention 65, are based upon the depositions of New York State witnesses on February 1, 1984 and contemporary newspaper accounts, and are believed to be consistent with New York State's prefiled testimony on this subject.

New York State's testimony on aggressive behavior was prepared by Messrs. Albertin and Knighton, who were present at Lake Placid (State Deposition Tr. at 113). This testimony is not relevant on its face to an evacuation undertaken as a protective measure following a nuclear power plant accident at Shoreham. The circumstances of Lake Placid -- voluntary, paying customers (holding tickets priced up to \$50 to \$60 face

value) reacting in frustration to hours-long waits in the snow and cold for buses to ferry them to and from spectator events -- are different enough from those of a nuclear accident that, absent a qualified basis to demonstrate that they are probative of the likelihood of aggressive behavior directed toward-traffic guides and others in an evacuation following a nuclear accident at Shoreham, they do not meet the standard for admissibility set forth in § 2.743(c) of the Commission's Rules of Practice, which restricts evidence to "relevant, material and reliable evidence."

Messrs. Albertin and Knighton are not qualified by education, training or experience to sponsor as experts, the professional opinion proffered in their testimony (page 16, fourth paragraph) that "behavior [similar to that at Lake Placid] is likely during the stressful conditions of an emergency at Shoreham." Mr. Albertin, according to his curriculum vitae (Attachment 1), holds degrees in civil engineering and transportation engineering. Ever since his graduation from college in 1970 he has worked as a transportation analyst, at one level or another, for the New York State Department of Transportation. His resume shows no significant education, training or experience in behavioral sciences. His resume indicates that his duties have included reviews of nuclear power plant emergency plans, but that they were limited to transportation elements of such plans. He is not qualified as an expert to render testimony on the likelihood of occurrence of aggressive behavior during a planned evacuation following a nuclear plant accident.

Mr. Knighton is similarly unqualified to render an expert opinion on the likelihood of aggressive behavior during a planned evacuation following a nuclear power plant accident. According to his resume (Attachment 2), he received a bachelor's degree in economics; his resume shows some engineering academic background but nothing in the behavioral sciences. His professional career has involved service as an income tax examiner and, in recent years, as a transportation analyst for the NYSDOT. There is no evidence of education, training or experience which would qualify him to render an expert opinion on the likelihood of occurrence of aggressive behavior, in the event of an evacuation following an accident at a nuclear power plant.

Thus there is no qualified basis for the opinion, at the bottom of page 16, that aggressive behavior toward LILCO's traffic guides "similar" to that at Lake Placid can be expected. Absent proper support for that opinion, there is no relevance to the implicit criticism in the following sentence on page 16 of LILCO's not having factored the effects of such behavior into its evacuation time estimates. Absent such support, also, there is no relevance to the description of the very different circumstances of Lake Placid.

Messrs. Albertin and Knighton are not qualified to offer a professional opinion on the likelihood of aggressive behavior toward traffic guides in the event of an accident at Shoreham, and their status as eyewitnesses to and participants in the Lake Placid fiasco does not change that fact. This portion of

New York State's testimony should be struck as lacking any expert basis and as being, therefore, unreliable and irrelevant.

2. "4. Construction" (page 16-19 and Attachment D): LILCO moves to strike this testimony on the ground that it merely resubmits, in a slightly different guise, testimony originally proffered by Suffolk County and stricken by this Board as being untimely. (Tr. 2396-2403 (January 18, 1984)). New York State's testimony on highway construction recites various road construction projects scheduled in Suffolk County between 1984 and 1989, and recommends that LILCO conduct sensitivity runs to determine their effect. The testimony asserts that scheduled road construction projects in and in the vicinity of the Shoreham EP2 are numerous enough that they should be factored into evacuation time estimates. That assertion is documented in Attachment D to New York State's testimony, which is a compilation entitled "Projects in December 7, 1983 Transportation Improvement Program."

Attachment D, as was established in the depositions of New York State's witnesses, merely summarizes material in an annually updated report, most recently issued on December 7, 1983 and entitled "Nassau-Suffolk Transportation Improvement Program, State Fiscal Years 1984-89." (Deposition Tr. 132-33). Examination of this latter document reveals that it contains tables of various categories of highway construction and repair programs, listed by year for the period 1984-89. These pages are identical to the corresponding pages appended as Attachment 11 to the January 18, 1984 "Amended Direct Testimony of

Inspector Richard C. Roberts [et al.]," and are attached hereto (Attachment 3) for comparative purposes.

Attachment 11 to the Suffolk County testimony and the corresponding text on page 61 were struck by this Board on January 18, 1984 as being inexcusably untimely since the argument could have been, but was not, raised earlier by Suffolk County. One of the points made in that argument (Tr. 2401) was that the computer listing relied on for the proposition that roadway construction takes place is an annual one, and thus the 1982 report would have been available to Suffolk County; this point was corroborated in the deposition of the State's witnesses (Deposition Tr. 132-33).

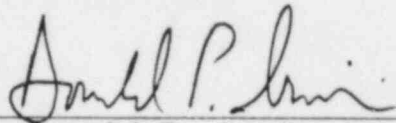
New York State's testimony on highway construction is based on the same document that this Board has already ruled was untimely used by Suffolk County. What was untimely for the County cannot become somehow timely a month later when used by New York State. The State may have only recently become an active party, but the timing of its decision does not exempt it as a legal party already for several years, from the previous rulings of this Board or from notions of common fairness. If New York State is allowed to play tag-team tactics with Suffolk County it will subvert any notion of order and fairness in this proceeding. The State's testimony on item "4. Construction" should be struck, along with Attachment D to it.

This portion of the State's testimony should be struck for another reason as well: the deposition testimony of the witness sponsoring it, Mr. Foster Beach, reveals such uncertainty

in the actual dates of even presently scheduled highway projects, more than a year or two out, that it fundamentally compromises the testimony's assertions (Testimony at 18-19) that published construction project date estimates are sufficiently certain and reliable to justify preparation of sensitivity analyses based on them. (See Deposition Tr. 134-39, 144-45, especially 136, 145) (Attachment 4). Thus the testimony has been sufficiently compromised by its own sponsor as to not be probative.

Respectfully submitted,

LONG ISLAND LIGHTING COMPANY

By 
Donald P. Irwin

HUNTON & WILLIAMS
707 East Main Street
P.O. Box 1535
Richmond, Virginia 23212

DATED: February 10, 1984

Attachments:

1. Curriculum Vitae of Richard D. Albertin
2. Curriculum Vitae of Robert G. Knighton
3. Nassau-Suffolk Transportation Improvement Program
(December 7, 1983), excerpt
4. Deposition Transcript of David T. Hartgen, et al.
(February 1, 1984), pp. 134-39, 144-45.

Personal Resume of Richard D. Albertin

Attachment 1

Home

5 Sunset Avenue
Albany, New York 12203
(518) 482-3720

Office

Specialized Transit Section
Transit Division
Building 4 Room 146
State Campus
Albany, New York 12232
(518) 457-7245

PERSONAL DATA: Born 10/8/48, USA Citizen Height 6'1" Weight 170 lbs.

EDUCATION

Undergraduate: 1966-1970 State University of New York at Buffalo.
Major - Civil Engineering (BSCE)

Graduate: 1971-1974 Rensselaer Polytechnic Institute.
Major - Transportation Engineering (M.S.T.E.)

Awards: Chi Epsilon Engineering (Civil) Honor Fraternity (May 1970)
Governor's Certificate of Appreciation (February 1980)
AASHTO's President's Award (October 1981)

EXPERIENCE

Date: June 1981 to present

Title: Associate Transportation Analyst, Transit Division
Employer: NYSDOT
Duties: Administration of the Federal Rural Transportation Program,
Section 18. Supervise six professionals.

Date: March 1981 to June 1981

Title: Senior Research Analyst (Transportation), Statewide Planning
Employer: NYSDOT
Duties: Development of the transit portion of the Statewide Master Plan
for Transportation (an overall policy document) and resolution of
various transit issues related to funding, administration,
policy, etc.

Date: May 1980 to March 1981 (concurrent with position described below)

Title: Senior Research Analyst (Transportation), Planning
Employer: NYSDOT

Duties: Review and coordination of the transportation elements of the
federally mandated nuclear power plant emergency plans and the
development of NYSDOT's emergency procedures.

Date: October 1973 to March 1981

Title: Senior Research Analyst (Transportation), Planning
Employer: NYSDOT

Duties: Development and operation of the computer transit and arterial simulation packages used by NYSDOT. Duties included applied research and application of these programs. Supervised two professionals and six technicians.

Date: April 1976 to April 1980 (concurrent with previous position)

Title: Director of Transit Operations for NYSDOT Olympic Task Force
Employer: NYSDOT

Duties: Developed original transportation plan, coordinated NYSDOT activities with the transportation consultants to the Lake Placid Olympic Organizing Committee (LPOOC) and while originally limited to monitoring LPOOC transit operations during the Olympics, was assigned to Governor's Emergency Task Force with specific responsibility of resolving transit crisis, and directing transit operations for the remainder of the games. Supervised up to forty professionals.

Date: January 1972 to October 1973

Title: Transportation Analyst, Research Unit, Planning
Employer: NYSDOT

Duties: Conducted various independent and joint effort research projects including development of intercity data and travel models, design of various transportation surveys and research into psychological attributes affecting transportation decisions.

Date: June 1970 to January 1972

Title: Transportation Engineering Trainee (enrolled in a transportation planning program sponsored by the New York State Department of Transportation and Rensselaer Polytechnic Institute).

Duties: Assigned to various units as part of a program to become familiar with Department operations, activities included development of Interstate Highway Cost Estimate and design and data evaluation of various travel surveys. Course work included statistics, urban planning and transportation planning principles.

PUBLICATIONS

Available on request

REFERENCES

Available on request

Richard Albertin
Resume
Page 3

PUBLICATIONS

"Summary of New York State Intercity Travel Data," Preliminary Research Report No. 42, Planning and Research Bureau, NYSDOT, March 1973

"Development of Intercity Travel Demand Models for New York State Urban Areas," (with Gerald Cohen and David Hartgen), Preliminary Research No. 58, Planning and Research Bureau, NYSDOT, March 1974.

"Structural Correlation Between Cognitive and Affective Attitude Components: A Test of Three Theories of Attitude Modification in Urban Travel Mode Choice," Preliminary Research Report No. 59, Planning and Research Bureau, NYSDOT, May 1974.

"The Validation of the Census UTP Package for Planning Uses--Buffalo SMSA Data," (with Peter Liou, Joseph Civalier, Bernard Schatz, and Michael Trentacoste), Preliminary Research Report No. 65, Planning and Research Bureau, NYSDOT, August 1974.

"Travel Demand at the 1980 Winter Olympics: Estimation and Analysis," (with Robert Knighton and Gerald Cohen), Preliminary Research Report No. 100, Planning and Research Bureau, NYSDOT, June 1976.

"Transportation Planning for the 1980 Winter Olympic Games," (with Robert Knighton and Gerald Cohen), Preliminary Research Report No. 109, Planning and Research Bureau, NYSDOT, August 1976. (presented (1/77) and published by TRB (#626))

"A Glossary of Simulation Terms," Preliminary Urban Planning Report No. 16, Planning and Research Bureau, NYSDOT, July 1976.

"Transportation Control Plan. XIII Olympic Winter Games" (with DOT Task Force), NYSDOT, July 1979.

"Transportation Analysis Methods for the XIII Winter Olympics" (with Charles Manning and Frederick Scholtz), ITE Journal, March 1979.

"Olympic Transportation Planning: A Retrospective Look" (with Gerald Cohen and Robert Knighton), Preliminary Research Report No. 181, Planning and Research Bureau, NYSDOT, August, 1980. (Presented (1/81) and published by TRB #798))

REFERENCES

Mr. Henry L. Peyrebrune
Assistant Commissioner of
Public Transportation
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Albany, New York 12232
(518) 457-2320

Mr. Ken Shiatte
Transit Division, Director
NYS Dept. of Transportation
Building 4, Room 115
State Campus
Albany, New York 12232
(518) 457-7664

Mr. Jere Fidler
Specialized Transit Section
NYS Dept. of Transportation
Building 4, Room 146
State Campus
Albany, New York 12232

Resume of

ROBERT G. KNIGHTON
Transit Program & Evaluation Bureau
NYS Department of Transportation
Building 4, Room 150
State Campus
Albany, NY 12232
(518) 457-2100

RELEVANT EXPERIENCE

Associate Transportation Analyst - December 1980 to Present
(Senior Transportation Analyst - July 1980 - December 1980)
Transit Program & Evaluation Bureau

The Transit Division was formed in July 1980, and I was transferred from the Planning Division to the Program & Evaluation Bureau at that time. The Bureau has responsibility for policy oversight and evaluation of the Department's transit related activities including the Operating Assistance Program. As head of the Specialized & Capital Section, I supervise a staff of four professionals. Specific activities for which I have been responsible include:

- . Preparation of an Evaluation of the NYSDOT Transit Capital Process. This included detailed documentation and flow charting of the capital project process, collection and manipulation of data on projects and preparation of recommendations on how to improve the process and reduce the time required to purchase a vehicle, most of which have since been implemented.
- . Design and implementation of a management information system for the Transit Capital Program. One recommendation of the Process Evaluation was the establishment of a system to track capital projects and present the information in a manner suitable for management and executive staff use. This involved developing computer files for much existing data, designing tabulations and summaries and analyzing the results. This system and related data collection efforts have substantially increased our analytical capability. This effort also resulted in computerizing production of the Transit Capital Work Program which should result in substantial savings of staff time for manual updates and retyping of the old periodic report.
- . Production, printing and distribution of Public Transportation Map and Directory, which has been very well received by traveling public. This included supervising a substantial data collection effort, confirming data, supervising design and layout and coordinating cartographic work.
- . Analysis of transit capital needs for non-MTA transit operators including estimates of those needs over a five and ten year period, comparison of those needs to pipeline projects and evaluation of the adequacy of funds to meet those needs.
- . Development and implementation of Rockland County Emergency Evacuation Plan. This involved planning a bus system to evacuate 10,000 people from Rockland County in case of a nuclear emergency and required planning of routes, acquiring commitment from private operators for over 400 buses, overseeing driver training and coordination with other agencies. A test of the plan which was developed was rated by federal reviewers as perhaps the best ever.

- . Coordinate leverage leasing of transit vehicles. This effort involved reviewing and clarifying relevant portions of the tax law, working to inform the congressional delegation of the importance of this tax incentive, informing transit properties of the opportunity to obtain additional funds and coordinating lease transactions. These transactions have netted over \$1.5 million in private funds for upstate transit operators.
- . Administration activities including: Oversight of UMTA grants and preparation of applications, as well as monitoring charges and fund availability; personnel administration, including requesting creation of new titles, processing hirings and supervision of staff.

Senior Transportation Analyst - October 1979 to July 1980
Highway and Transit Planning Unit

The Highway and Transit Planning Unit has responsibility for planning and evaluation of programs on a statewide basis. Much effort is involved in planning for the public transportation operating assistance program and in providing input for policy making, legislation and regulation.

Some specific activities while in this unit included:

- . Primary staff responsibility for elderly and handicapped transportation including participation on Governor's Task Force on Transportation for the Disabled, preparation of testimony on Section 504 implementation for Commissioner Hennessy.
- . General supervision of final stages of preparation of Transit Operating Assistance Report for 1979. This activity was interrupted by the temporary assignment described below.

Assistant Director of Olympic Transit Operations - part-time - August - December 1979
DOT Olympic Task Force full-time - January - February 1980

The Department of Transportation Olympic Task Force has general responsibility for preparation of a transportation plan for the 1980 Winter Olympics at Lake Placid. This included responsibility for implementing traffic circulation and vehicle permit portions of the plan. The task force was not responsible for implementing spectator movement portions of the plan. In fact, the Department did not have authority to implement the necessary shuttle bus operations. Specific activities include:

- . Coordination of Emergency Contingency Planning for 1980 Winter Olympics with State Police, Red Cross, Office of Disaster Preparedness, Department of Health, etc. and preparation of DOT emergency contingency plan.
- . Participate in final stages of planning for the shuttle bus operation and monitor Lake Placid Olympic Organizing Committee (LPOOC) efforts to implement the plan.
- . Select, train, supervise, and direct force of 18 DOT staff (mostly engineers) responsible for field monitoring of spectator bus system. During the transportation emergency, this group grew to 30 and assumed responsibility for field operation of the bus system including supervision of bus loading, direction of bus drivers, supervision of bus checkers, and general oversight of parking operations.

- . Participate in Governor's emergency bus task force which assumed management control of the ailing spectator transportation system. This involved working with chief bus dispatchers of companies to achieve efficient utilization of available equipment including development of daily operations plan, improved fueling facilities, better driver housing and coordination between companies. This activity resulted in commendations received from Governor Carey, Commissioner Gennessy and George Briggs, Head of the DOT Olympic Task Force.
- . In several "crisis" situations, assumed direct field control of spectator transportation. This involved liaison with State Police and EnCon commanders for crowd control, getting arriving buses organized, instructing drivers where and when to load and rerouting buses as necessary.

Senior Transportation Analyst

Small Urban/Rural County Transportation Study Unit - January 1977 to October 1979

This Unit has responsibility for transportation planning in non-metropolitan areas of New York State. Special emphasis is placed on planning for needed transit service and on providing improved transportation service for transportation disadvantaged groups. Development of innovative transit and paratransit alternatives and improvement of demand and cost estimating techniques is also included.

In addition to rural transit planning, the Unit is responsible for analysis of highway conditions in thirty-eight rural counties not included in 3C Planning Process.

Some specific activities include:

- . Direction of the Sullivan County Rural Public Transportation Study which conducted a thorough analysis of transportation needs. The study resulted in county support for a federal (UMTA) capital grant to support an existing operator, and provided longer term recommendations for additional services. Responsibilities included planning and conducting public meetings, conducting various surveys and preparing written documentation.
- . Provide direct technical support to Otsego County Planning Staff in conducting a public transportation needs study including planning and conducting a community interest survey.
- . Preparation of working papers on objectives of Rural Public Transportation, Comparative Service Measures for Rural Transit and Financing Rural Public Transportation.
- . Developed a technique for estimating rural transit ridership which was sensitive to levels of service provided (see publication list, TRR 718).

Research Analyst (Transportation) - June 1975 to January 1977

Planning Research Unit

The Planning Research Unit is responsible for a wide range of research for transportation planning including public transit, demand modeling and economic forecasting. Some specific projects include:

- . Preparation of a report reviewing and summarizing procedures used by the New York State Department of Transportation and others in the state for projecting population, income, employment, auto ownership and trip-making. This report was used as a background for a review of forecasting as a function of the Planning and Research Bureau (see publication list, PRR 102).
- . Work on Transportation Planning for the 1980 Winter Olympics at Lake Placid. This included estimation of travel demand within the Olympic area and analysis of alternative ways to meet that demand. A hypothetical system was designed to demonstrate the feasibility of using buses and to estimate the number of buses necessary. This included estimation of bus headways, analysis of space and time required to load and unload buses, analysis of the effect of heavy bus concentrations on highway capacity and estimation of highway passenger carrying capacity with various bus concentration (see publications list, PRR 100, TRR 625).
- . Develop a refined 'non-commitment' procedure for estimating demand for dial-a-bus service in small urban areas. Development involved detailed analysis of public opinion and on-board bus surveys conducted in areas with existing service (see publications list, PRR 104).
- . Analyzed the impact of various barriers on the use of public transportation by elderly and handicapped individuals. This resulted in development of a procedure for estimating the effect of barrier removal on transit ridership (see publications list, TRR 660).

Research Analyst (Transportation)
Forecasting Unit
(Research Assistant)

May 1973 to June 1975
(February to May 1973)

Until its combination with the Planning Research Unit in June 1975, the Forecasting Unit was responsible for preparation of long range economic forecasts for regions and subareas (traffic analysis zones and minor civil divisions). Some projects include:

- . Work on the first annual Transportation Operating Assistance Evaluation Report. Particularly, a detailed analysis of transit operating cost components, including projections of cost increases for salary, maintenance, fuel and retirement benefits. A transit operating cost index was developed from this analysis and has been used in estimating transit subsidy needs for the future (see publications list, TRR 626, PRR 92).
- . Assist in preparing statewide forecasts of transit ridership and deficit including preparation of estimates of input parameters.
- . Prepare estimates of population, auto ownership, income and employment for several upstate urban areas. The forecasts were used to update mode split and transit O&D estimates using the Department's computer simulation package. This effort included preparation of the Capital District Economic report.
- . Development of a set of growth factors for vehicle miles of travel for every minor civil division in New York State.

- . Research to support the 1973 Bond Issue for New York State. This included estimating tax alternatives to raise funds and analysis of debt service cost for New York compared to other states.

Tax Examiner

New York State Income Tax Bureau - February 1971 to February 1973

As a tax examiner, my primary responsibility was the audit of individual income tax returns. From February through April, I supervised a unit of twenty-two people, including sixteen temporary clerks and six other tax examiners. I was responsible for assignment and flow of work, quality control, training of clerks, timekeeping and personal matters for the Unit.

EDUCATION

BA in Economics; 1970; Lafayette College; Easton, Pennsylvania. My first two years were in a combined Engineering-Economics Program, providing me with some technical and mathematical background in addition to economics courses.

AFFILIATION

Member of Transportation Research Board Committee on Rural Public Transportation;
Chairman of the Subcommittee on Information Exchange.

PUBLICATIONS

"Capital District Economic Report", prepared for the Capital District Transportation Committee, December 1974.

"Transit Ridership and Deficits: 1980 Projections for New York State" (with Stephen Howe and Gerald Cohen), Preliminary Research Report #92, Planning & Research Bureau, NYSDOT, October 1975.

"Forecasting Fare Sensitive Dial-A-Bus Demand Without Surveys", Preliminary Research Report #104, Planning & Research Bureau, NYSDOT, July 1976. (A paper presented at the 1977 Annual Meeting of the Transportation Research Board.)

"Forecasting Independent Variables: Responsibilities and Techniques" (with David Gooding), Preliminary Research Report #102, Planning & Research Bureau, NYSDOT, August 1976.

"Travel Demand at the 1980 Winter Olympic Games: Estimation and Analysis" (with Gerald Cohen and Richard Albertin), Preliminary Research Report #100, Planning & Research Bureau, NYSDOT, June 1976.

"Transportation Planning for the 1980 Winter Olympics: (with Gerald Cohen and Richard Albertin, Transportation Research Record #625.

"Cost Increases, Cost Differences and Productivity of Transit Operations in New York State" (with William Holthoff), Transportation and Research Record #626.

"Incorporation Barrier Effects in Elderly and Handicapped Non-Work Transit Demand Forecasts" (with David T. Hartgen). Published as part of a paper entitled "Estimation of Demand for Transit Service Among the Transportation Disadvantaged" in Transportation Research Record #660.

"Dimensions of Transit Service" (with Nathan Erlbaum and Richard Malec), Preliminary Research Report #106, Planning & Research Bureau, NYSDOT, December 1976.

"Rural Attitudes Toward Public Transportation: Summary and Trade-Off Analysis" (with Douglas J. Zoerhoff), Planning & Research Bureau, NYSDOT, August 1977. (A paper presented at the 1978 Annual Meeting of the Transportation Research Board.)

"Estimating the Effect of Alternative Service Levels on Rural Transit Ridership" (with Wayne Ugolick). Transportation Research Record #718.

"Objectives & Service Options for Rural Public Transportation Service (W/DJ Zoerhoff) Preliminary Urban Planning Report #33, Dec. 1977.

"Management Operation & Marketing for Rural Public Transportation Systems (With DJ Zoerhoff, A Politano & S Kling) Preliminary Urban Planning Report #34 Aug. 1978

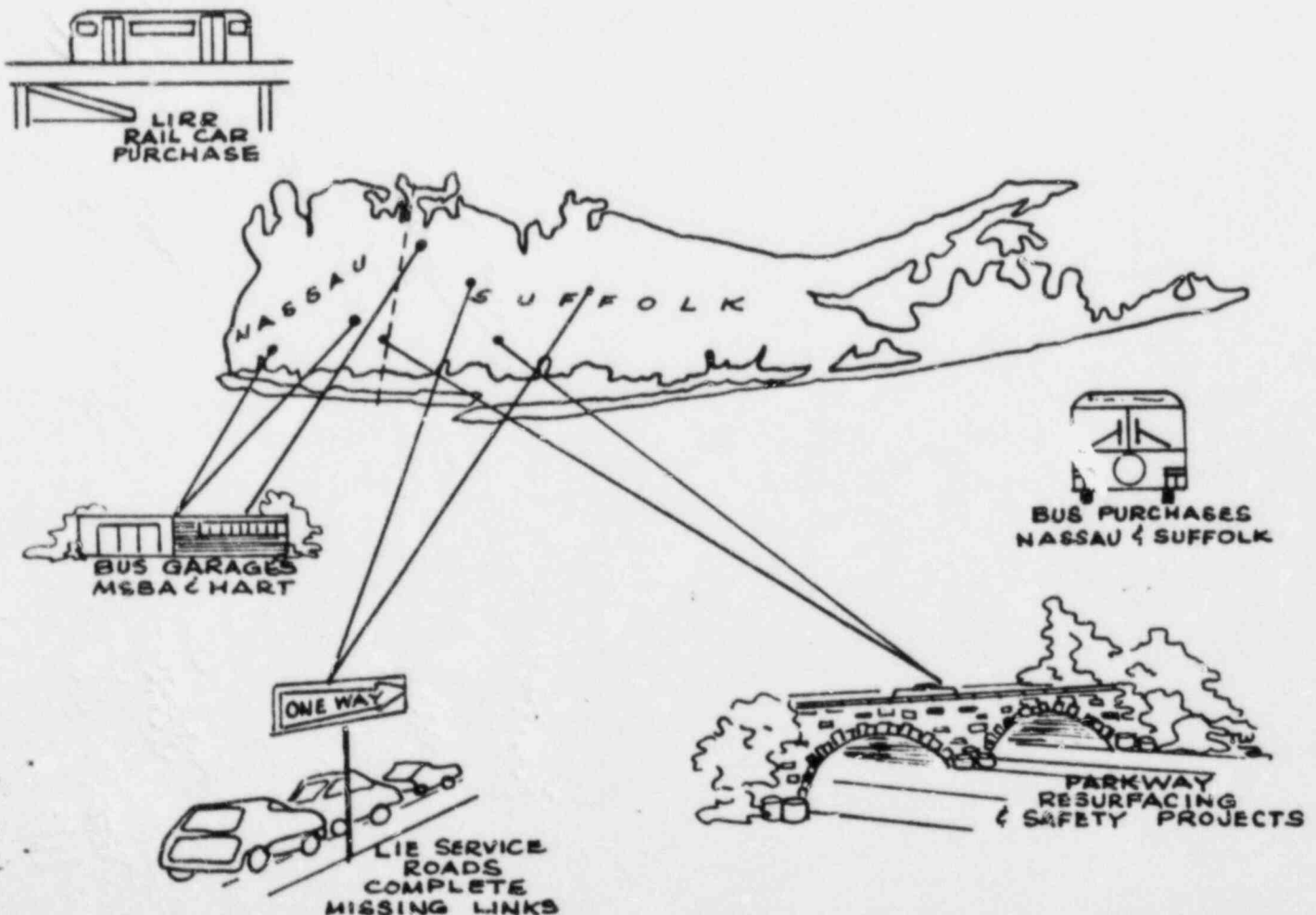
Nassau-Suffolk Transportation Improvement Program

State Fiscal Year 1984-89

as adopted by

THE NASSAU-SUFFOLK
TRANSPORTATION COORDINATING COMMITTEE

December 7, 1983



NASSAU-SUFFOLK TRANSPORTATION IMPROVEMENT PROGRAM

NASSAU COUNTY ON STATE HIGHWAY SYSTEM
NOVEMBER 1, 1983

PAGE 1

TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR TOT	ANNUAL ELEMENT	COSTS IN MILLIONS					F.Y.	PO-89
											F.Y.	F.Y.	F.Y.	F.Y.			
FROM	DESCRIPTION	5							(85-89)	FY83-84	84 85	85-86	86-87	87-88	88-89		
	TYPE OF WORK																
1	AO1743 VAR N INSPECTION OF 4 BRIDGES ON VARIOUS PARKWAYS BRI	N		P-PA	HBR				0.000	0.450P							
2	0041391 NY25 N (01)JERICHO TURNPIKE(E/O MERRY LANE TO SEAFORD- OYSTER BAY EXPRESSWAY) REC	R	2.9	U-PA	FAU HES			12.000 1.000		2 500P		1.500R	8.000C 1.000C				
3	0041392 NY25 N (02)JERICHO TURNPIKE (BURKE LANE-SEAFORD OYSTER BAY EXPRESSWAY) REC	R		U-PA	FAU			1.500				0.500P	1.000R				
4	004500 N.EXP N NASSAU EXPWY SECTION E BURNSIDE AVE ATLANTIC BEACH BRIDGE CON	C	1.9	P-PA	FAP			8.000				8.000C					
5	005021 NY135 N SEAFORD-OYSTER BAY EXPWY (HEMPSTEAD TURNPIKE- JERICHO TURNPIKE) R&P	N	6.0	V-PA	FAP FAP NYS			0.120 4.000 1.000		0.120P 4.000C 1.000C							

NASSAU-SUFFOLK TRANSPORTATION IMPROVEMENT PROGRAM

NASSAU COUNTY ON STATE HIGHWAY SYSTEM
NOVEMBER 1, 1983

PAGE 2

TIP	PIN/ROUTE NUMBER/COUNTY	NUM DESCRIPTION	TYPE OF WORK	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR TOT	ANNUAL ELEMENT	COMMITTED	F.Y.	7.Y.	F.Y.	F.Y.	F.Y.	PO-89
				5							(85-89)	FY83-84	84-85		85-86	86-87	87-88	88-89	
6	015616 NY107 N	ROUTES 106 & 107(OLD COUNTRY ROAD-SCHOHARE DRIVE):TRAFFIC SAFETY SIG	TSM	N	2.0	U-PA	FAU			HES	1.300		0.050R		1.250C				
											0.780				0.780C				
7	022795 NY495 N	LI EXPY SERVICE RDS(NY25 -NY106/107)&MAINLINE RE-SURFACING(NY25-NY135) CON		C	4.0	U-PA	FAP				0.000	0.600C							
8	022796 NY495 N	LONG ISLAND EXPWY SERVICE RDS(SUNNYSIDE BLVD-ROUND SWAMP R'D) CON		C	1.4	U-PA	FAP				5.300		0.250P			0.050R	5.000C		
9	022818 NY495 N	LONG ISLAND EXPRESSWAY SERVICE ROAD(NY106-ROBBINS LANE) CON		R	1.5	U-PA	FAP				12.200	0.600P			0.200R	12.000C			
10	043106 LOOP N	BRIDGE REHABILITATION-LOOP PARKWAY OVER REYNOLDS CREEK BRI		R		P-PA	HBR				4.100	0.200P	4.100C						
11	043107 LOOP N	BRIDGE REHABILITATION-LOOP PARKWAY OVER LONG CREEK BRI		N		P-PA	HBR				4.230		0.180P	4.050C					

NASSAU-SUFFOLK TRANSPORTATION IMPROVEMENT PROGRAM

NASSAU COUNTY ON STATE HIGHWAY SYSTEM
NOVEMBER 1, 1983

PAGE 3

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NASSAU-SUFFOLK TRANSPORTATION IMPROVEMENT PROGRAM

NASSAU COUNTY ON STATE HIGHWAY SYSTEM
NOVEMBER 1, 1983

PAGE 4

TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.		ANNUAL ELEMENT	COSTS IN MILLIONS					
NUM	DESCRIPTION	9	AGE	FUNC	FUND	SYR TOT COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK	5				(85-89) FY83-84	84-85	85-86	86-87	87-88	88-89	P0-89
18	051712 WSP N BRIDGE REHABILITATION- WANTAGH STATE PARKWAY OVER SLOOP CHANNEL BRI	R	.	P-PA	HBR	4.300 0.160P	4.300C					
19	051715 VAR N BRIDGE OVERPASS FENCING- WANTAGH AND MEADOWBROOK STATE PARKWAYS SAF	N	.	P-PA	HES	0.000 0.200C						
20	052300 NSP N RECONST NORTHERN STATE PARKWAY INTERCHANGE AT MEADOWBROOK STATE PKWY REC	R	.	P-PA	FAP	12.000	3.000P		0.500R		8.500C	
21	052305 MSP N MEADOWBROOK PARKWAY BRI- DGE REHABILITATION AT FUNDY CHANNEL BRI	N	.	P-PA	HBR	5.500 0.130P	5.500C					
22	052306 MSP N BRIDGE REHABILITATION- MEADOWBROOK PARKWAY OVER FALSE CHANNEL BRI	R	.	P-PA	HBR	1.500 0.070P	1.500C					
23	052307 MSP N BRIDGE REHABILITATION- MEADOWBROOK PARKWAY OVER SLOOP CHANNEL BRI	R	.	P-PA	HBR	9.560	0.280P 9.280C					

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FID NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A P 5	MILE AGE	F.A. FUNC	FUND	5YR (85-89)	TOT FY83-84	ANNUAL COMMITTED FY83-84	ELEMENT F.Y. 84-85	COSTS IN MILLIONS					F.Y. 88-89	PO-89
											F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89			
24	053418 SOUTHERN STATE PARKWAY PAVEMENT R&P (NEW YORK CITY LINE-EAGLE AVENUE) R&P	SSP N	C	3.8	P-PA	FAP	0.000	3.800C									
25	A75095 EAST MEADOW TOPICS II- SAFETY IMPROVEMENTS AT VARIOUS INTERSECTIONS SAF TSM	TOP N	C	.	U- V	FAU	0.000	2.000C									
26	080214 BRIDGE REHABILITATION: SEAGIRT BOULEVARD OVER DOUGHTY BOULEVARD BRI	N	N	.	U-C	HBR	0.550		0.050P			0.500C					
27	TRN004 NORTHERN STATE PARKWAY MEADOWBROOK STATE PARK- WAY STUDY STY	NSP N	N	.	P-PA	FAP	2.000		2.000P								
28	TRN005 PARKWAY RAMP MOD- IFICATIONS * VARIOUS LOCATIONS REC	N	N	.	P-PA	FAP	1.500		0.100P			1.400C					
29	TRN006 PARKWAY RAMP MOD- IFICATIONS * VARIOUS LOCATIONS REC	N	N	.	P-PA	FAP	1.500					0.100P		1.400C			

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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS						
NUM	DESCRIPTION	9	AGE	FUNC	FUND	5YR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
	TYPE OF WORK	5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89
30	TRN009 N PARK STREET(LAURELTON BLVD-NATIONAL BLVD) REC	N	0.3	P-PA	FAP	1.200		1.200C				
31	TRN473 NY495 N LONG ISLAND EXPRESSWAY SERVICE ROAD STUDY(EXITS 43-46) STY	N	1.6	U-PA	FAP	1.000					1.000P	
32	TRN902 SSP N R SOUTHERN STATE PARKWAY- BETHPAGE STATE PARKWAY INTERCHANGE MODIFICATION REC	R		P-PA	FAP	0.300			0.300P			
33	TRN969 VAR N N NY25, 25A, 27: INTERSECTION IMPROVEMENT SAF	N		V-	HES	1.125	0.075P	0.205R	0.920C			
34	ARN974 NY495 N LONG ISLAND EXPRESSWAY (SEAFORD-OYSIER BAY EXPY TO NASSAU/SUFFOLK LINE) R&P	N	2.2	P-PA	FAP	2.400	0.120P	2.400C				
35	TRN984 NY106 N NY106(NORTH JERUSALEM AVENUE-HEMPSTEAD TPKE) R&P	N	1.4	U-MA	FAU FAU NYS	1.400 0.100 1.500		0.100P 0.100R	1.300C 1.500C			

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TIP	PIN/ROUTE	NUMRER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT		COSTS IN MILLIONS					PO-89		
						9	AGE	FUNC	FUND	5YR	TOT	COMMITTED		F.Y.	F.Y.
NUM	DESCRIPTION	TYPE OF WORK	5						(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89
36	TRN985	NSP N	N	3.1	P-PA	FAP		1.785				0.085P		1.700C	
	NORTHERN STATE PARKWAY														
	MEDIAN BARRIER(MEADOW-														
	BROOK PKWY-WANTAGH PKWY)														
	SAF														

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TIP	PIN/ROUTE	NUMRER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR	TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
NUM	DESCRIPTION	TYPE OF WORK	5							(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89		
37	0052011 NC N	(01)ROCKAWAY TPKE IM- PROVE(PENINSULA BLVD-NEW YORK CITY LINE):STAGE 1 REC	C	1.2	U-PA	FAU				4.100		0.100R	4.000C					
38	015617 N	CHARLES ST IMPROVEMENT IN GLEN COVE R&P	R	.	-	FAU				0.755			0.755C					
39	0750751 N	(01)RECONSTRUCTION OF PENINSULA BLVD(WEST MAR- SHALL ST-PRESIDENT ST) REC	C	0.4	U-PA	FAU				1.200		0.200P		1.000C				
						FAU				0.050		0.050R						
40	075077 N	OLD COUNTRY RD(RUSSELL RD TO MEADOWBROOK STATE PKWY) & CLINTON RD REC	C	0.3	U-MA	FAU				8.110		0.610P	3.000R		4.500C			
41	B75095 TOP N	EAST MEADOW TOPICS II- SAFETY IMPROVEMENTS AT VARIOUS INTERSECTIONS SAF TSM	N	.	U- V	FAU				0.000	0.725C							

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 5	MILE 9	F.A. AGE	F.A. FUNC	FUND	SYR (85-89)	TOT COMMITTED FY83-84	ANNUAL ELEMENT F.Y. 84-85	COSTS IN MILLIONS					PO-89
											F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
42	075112 TOP OYSTER BAY TOPICS - SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS SAF TSM	N	N	.	U-	V	FAU	1.000	0.010R		1.000C					
43	075113 TOP NASSAU TOPICS II-VARIOUS INTERSECTIONS IN ROCK- VILLE CENTRE:SAFETY IMP SAF TSM	N	N	.	U-	V	FAU	1.754		1.754C						
44	075118 BRIDGE REHABILITATION: WEST SHORE ROAD OVER MILL NECK CREEK BRI	N	N	.	U-MA		HBR	2.700				2.700C				
45	075120 SHORE RD & GLEN COVE AVE INTERSECTION RECONSTRUC- TION REC	N	C	0.9	U-MA		FAU MIS	0.000 0.000	4.454C 0.630C							
46	075129 PEARL STREET BRIDGE OVER MILL RIVER IN NASSAU COUNTY BRI	N	U	0.1	U-C		HBR	1.100		1.100C						
47	075356 UNIONDALE AVE (NASSAU RD- HEMPSTEAD TPKE) REC	N	C	2.1	U-MA		FAU	3.000		3.000C						

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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	SYR	TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
NUM	DESCRIPTION				S				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89		
	TYPE OF WORK																
48	075365 LONG BEACH RD OVER BARNUM ISLAND CREEK BIN3300279 BRI	N	R	.			U-MA	HBR	2.040		2.040C						
49	075366 MIDDLE NECK RD OVER LIRR PT WASHINGTON BRANCH BIN3364570 BRI	N	N	.			U-MA	HBR	1.000		1.000C						
50	075367 EAST ROCKAWAY ROAD BRI- DGE OVER MILL RIVER BIN 3300160 BRI	N	N	.			U-MA	HBR	0.300		0.300C						
51	075372 HEMPSTEAD AVE BRIDGE OVER PINE BROOK; BRIDGE REHAB BIN 3300040 BRI	N	N	.			U-MA	HBR	0.247		0.247C						
52	075373 ROSEDALE ROAD BRIDGE OVER FOSTERS BROOK; BRI- DGE REHAB BIN 3300180 BRI	N	N	.			U-MA	HBR	0.165		0.165C						
53	075374 DOUGHTY BLVD OVER BANNISTER CREEK BIN3300280 BRI	N	N	.			U-C	HBR	0.350		0.350C						

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TIP	PIN/ROUTE NUMBER/COUNTY	NUM	DESCRIPTION	TYPE OF WORK	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR	TOT	ANNUAL	ELEMENT	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
					5							(85-89)	FY83-84	84-85		85-86	86-87	87-88	88-89			
54	075375	N	N	EAST AVE OVER HOOK CREEK BIN3300140			U-MA	HBR				0.310		0.310C								
				BRI																		
55	075376	N	N	DALY BLVD BRIDGE OVER LIRR;BRIDGE RT11AB BIN 3300240			U-MA	HBR				0.750		0.750C								
				BRI																		
56	075379	N	N	LINCOLN AV OVER YACHT CANAL(TOBAY)-BIN2261500			-	HBR				0.165		0.015P	0.150C							
				BRI																		
57	075382	N	N	WILLOWDALE AVE OVER LIRR (PORT WASHINGTON BRANCH) -BIN 3364590			-	HBR				1.100		1.100C								
				BRI																		
58	075388	N	N	MINCOLA BLVD OVER LIRR MAIN LINE-BIN3364540			U-MA	HBR				1.842		1.842C								
				BRI																		
59	075425	N	N	BRIDGE REPLACEMENT: GRAND BOULEVARD OVER LONG ISLAND RAIL ROAD BRI			U-MA	HBR				2.500		2.500C								

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TIP	PIN/ROUTE NUMBER/COUNTY	NUM DESCRIPTION	TYPE OF WORK	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR TOT	ANNUAL ELEMENT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
				5							(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89		
60	OBO124	VAR	N	R	9.0	0--	MIS				0.765		0.052P	0.713C					
	NASSAU COUNTY BIKEWAY (MITCHELL FIELD-BETHPAGE STATE PARK) BIK TSM																		
61	TRN997		N	N	.	U-MA	FAU				2.000		0.200P		1.800C				
	NEWBRIDGE ROAD(SUNRISE HIGHWAY-JERUSALEM AVENUE R&P																		
62	TRN998		N	N	.	U-MA	FAU				0.400			0.400C					
	BEVERLY ROAD-KENSINGTON (MIDDLE NECK ROAD-EAST SHORE ROAD) R&P																		
63	TRN999		N	N	.	U-	FAU				0.200			0.200C					
	MINEOLA LIRR COMMUTER PARKING LOT P&R																		

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A 9	MILE AGE	F.A. FUNC	FUND	5YR (85-89)	TOT FY83-84	ANNUAL COMMITTED FY83-84	ELEMENT F.Y. 84-85	COSTS IN MILLIONS					F.Y. 88-89	PO-89
			5								F.Y. 85-86	F.Y. 86-87	F.Y. 87-88				
69	082145 REC ROCKVL CENTR BUS FAC (INCL U9A,U9C & \$0.660M PA NON-CASH "LEVERAGE") LOC TSM	N	C	.	-	U5C NYS LOC	0.000 0.000 0.000	10.652C 0.856C 1.147C									
70	082146 PURCHASE 36 STANDARD TRANSIT BUSES FOR SYSTEM REPLACEMENT LOC TSM	N	C	.	-	UM3 NYS LOC	4.608 1.224 0.000				4.608C 1.224C 0.000C						
71	LOC0222 NASSAU CO OPER ASSIST FOR COUNTY BUS SYSTEM (CY 1982-FFY 1983 FUNDS) LOC	N		.	-	U9A NYS LOC	0.000 0.000 0.000	1.411C 5.100C 10.988C									
72	LOC0550 NASSAU COUNTY REHABILITA TION OF UP TO 20 STAN- DARD TRANSIT BUSES LOC TSM	N	R	.	-	U9C NYS LOC	1.000 0.000 0.250				1.000C 0.000C 0.250C						
73	LOC0650 LONG BEACH OPERATING ASSIST FOR CITY BUS SYS (CFY1982-FFY1983 FUNDS) LOC	N	R	.	-	U9A NYS LOC	0.000 0.000 0.000	0.055C 0.160C 0.280C									
74	LOC0680 NASSAU CO PURCHASE 10 ARTICULATED BUSES FOR SYSTEM EXPANSION LOC TSM	N	R	.	-	UM3 NYS LOC	2.126 0.000 0.709				2.128C 0.000C 0.709C						

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 5	MILE AGE	F.A. FUNC	FUND	SYR (85-89)	ANNUAL ELEMENT		COSTS IN MILLIONS					P(1-89)
								TOT FY83-84	COMMITTED F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
75	LOC0690 NASSAU CO PURCHASE 10 ARTICULATED BUSES FOR SYSTEM EXPANSION LOC TSM	N	R	.	-	UM3 NYS LOC	2.126 0.000 0.709			2.126C 0.000C 0.709C					
76	LOC0700 NASSAU CO PURCH & INST 460 GUIDE-A-RIDE BUS TIMETABLE SYSTEM(PILOT) LOC TSM	N	R	.	-	U9C NYS LOC	0.061 0.000 0.015		0.061C 0.000C 0.015C						
77	LOC0710 NASSAU CO REHAB OF HEMP- STEAD BUS TERMINAL IN VILLAGE OF HEMPSTEAD LOC TSM	N	R	.	-	U9C NYS LOC	0.200 0.049 0.000		0.200C 0.049C 0.000C						
78	LOC0720 NASSAU COUNTY PURCHASE 10 ARTICULATED BUSES FOR SYSTEM EXPANSION LOC TSM	N	R	.	-	UM3 NYS LOC	2.126 0.000 0.709			2.126C 0.000C 0.709C					
79	LOC0770 PURCHASE 11 2-WAY RADIOS & FAREBOXES FOR "ARTIC" BUSES LOC TSM	N	R	.	-	U9C NYS LOC	0.066 0.000 0.016		0.066C 0.000C 0.016C						
80	LOC0780 PURCHASE REPLACEMENT SEATS FOR 43 BUSES LOC TSM	N	R	.	-	U9C NYS LOC	0.071 0.000 0.018		0.071C 0.000C 0.018C						

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IIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	ANNUAL ELEMENT		COSTS IN MILLIONS					F.Y. 88-89	PO-89
							5YR TOT (85-89)	COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88			
81	LOC0790 PURCHASE 17 NON-REVENUE SERVICE VEHICLES FOR REPLACEMENT PURPOSES LOC TSM	N	R	.	-	U9C NYS LOC	0.226 0.011 0.045	0.226C 0.011C 0.045C							
82	LOC0810 CITY OF LONG BEACH PURCH 4 LINE-HAUL BUSES W/LIFT FOR SYS REPLACE(+SECT3\$) LOC E+H	N	R	.	-	U9C NYS LOC	0.576 0.072 0.072	0.576C 0.072C 0.072C							
83	LOC0830 CITY OF LONG BEACH PURCHASE 11 BUS SHELTERS FOR CITY BUS SYSTEM LOC TSM	N	R	.	-	U9C NYS LOC	0.053 0.013 0.000	0.053C 0.013C 0.000C							
84	LOC0840 LONG BEACH OPER ASSIST FOR CITY BUS SYSTEM (CFY 83-FFY 84 FUNDS) LOC	N	N	.	-	U90 NYS LOC	0.046 0.190 0.400	0.046C 0.190C 0.400C							
P5	LOC0850 NASSAU CO OPER ASSIST FOR COUNTY BUS SYSTEM (CFY 84-FFY 84 FUNDS) LOC	N	N	.	-	U90 NYS LOC	1.377 8.715 13.805	1.377C 8.715C 13.805C							
86	LOC0860 LONG BEACH PURCH 3 NON- REVENUE SERVICE VEH + 17 RADIO UNITS FOR CITY SYS LOC	N	R	.	-	U5C NYS LOC	0.000 0.000 0.000	0.040C 0.000C 0.010C							

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	SYR	TOT	ANNUAL ELEMENT		COSTS IN MILLIONS					PO-89
												COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.			
														F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
92	000812	NY114	S	N	.	P-PA	NYS				0.030			0.030R					
	NY114:CHASE CREEK BRIDGE										0.500				0.500C				
	(FAS TRANSFER TO FAP)																		
	BRI																		
93	001139	L 231	S	N	6.6	P-PA	FAP				0.070	1.000C							
	DEER PARK AVE:SIGNAL																		
	INTERCONNECT(SOUTHERN																		
	STATE-NORTHERN STATE)																		
	SIG TSM																		
94	001742	RMC	S	R	.	P-PA	HBR				1.150		0.150P	1.000C					
	BRIDGE REHABILITATION-																		
	R M CAUSEWAY SB OVER																		
	STATE BOAT CHANNEL																		
	BRI																		
95	001743	VAR	S	N	.	P-PA	HBR				0.000	0.150P							
	INSPECTION OF 4 BRIDGES																		
	ON VARIOUS PARKWAYS																		
	BRI																		
96	004146	NY25	S	C	1.3	U-PA	NYS				0.800		0.800C						
	NY25 SIG INSTALLATN IN-										0.470		0.470C						
	TERSCN IMP & RESURFACNG																		
	(NISSEQUOGUE RIVER-NY111																		
	R&P																		

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	5YR TOT (85-89)	ANNUAL ELEMENT		COSTS IN MILLIONS				
								COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89	PO-89
97	004159 MIDDLE COUNTRY ROAD BRIDGE OVER LIRR @ CALVERTON BRI	NY25 S	N	.	U-MA	HBR	0.800	0.800C						
98	004160 NY25:BRIDGE OVER DAM POND CHANNEL ~ EAST MARION BRI	NY25 S	N	.	P-PA	HBR	0.350		0.050P	0.300C				
99	004161 RAISE LIRR BRIDGE OVER NY25 IN LAUREL BRI	NY25 S	N	.	S-MC	FAS	0.000	0.400C						
100	004162 MIDDLE COUNTRY ROAD (NICOLLS RD-NORTH OCEAN AVE) REC	NY25 S	R	2.5	P-PA	FAP	10.350	0.350P		4.000R		6.000C		
101	005854 SUNRISE HIGHWAY(BRENT- WOOD RD-POND RD) LAN	NY27 S	N	5.2	P-PA	FAP	0.600	0.600C						
102	007706 NY111:PARK & RIDE LOT @ NY495 P&R	NY111 S	N	.	U-MA	FAU	0.200	0.200C						

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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS					F.Y.		
NUM	DESCRIPTION	9	AGE	FUNC	FUND	5YR	TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK	5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	PO-89
103	011235 NY110 S BROAD HOLLOW RD(HEMP- STEAD TPKE-BAYLIS RD) WIDEN & INTERSECT IMPROV REC	R	2.6	U-PA	FAU HES	0.000 0.000	6.100C 1.100C						
104	011236 NY110 S BROAD HOLLOW RD (SOUTHER STATE PKWY-NY109) REC	R	1.1	U-PA	FAU FAU	2.000 6.000			2.000R 6.000C				
105	011238 NY110 S BROAD HOLLOW RD(NY109- NY24) ROADWAY RECONSTRU- CTION REC	R	1.1	U-PA	FAU FAU	3.090 0.525			0.090P 0.525R		3.000C		
106	011240 NY347 S BACKLOG SIGNALS CONTRACT III-NY347(MORICHES ROAD- OLD TOWN ROAD) REC	N	.	V-	FAP NYS	0.000 0.000	1.045C 0.425C						
107	011300 NY27 S SUNRISE HWY(WHEELER RD- W/O POND RD)RECONSTRUCT TO EXPRESSWAY REC	C	1.0	P-PA	FAP	21.215			1.000P	0.215R	20.000C		
108	011320 NY27A S MONTAUK HIGHWAY(SOUTH GREAT NECK ROAD-WELLWOOD AVE) R&P	R	1.7	U-MA	FAU HES NYS	1.500 0.420 1.550	0.080P 0.035P	0.300R 0.020R	1.200C 0.400C 1.650C				

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 5	MILE AGE	F.A. FUNC	FUND	5YR (85-89)	TOT FY83-84	ANNUAL COMMITTED	ELEMENT F.Y. 84-85	COSTS IN MILLIONS					PO-89
											F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
109	0114001 (01)SUNRISE HWY(E/O BROADWAY-E/O NICOLLS RD) CONSTRUCT SERVICE ROADS REC	NY27 S	C	1.0	P-PA	FAP FAP	3.910 7.000		3.910R 7.000C							
110	0114002 (02)SUNRISE HWY(E/O NICOLLS RD-E/O OCEAN AV) CONSTRUCT SERVICE ROADS REC	NY27 S	C	1.6	P-PA	FAP FAP	3.900 7.000					3.900R 7.000C				
111	0114003 (03)SUNRISE HWY(E/O OCEAN AV-PHYLLIS DR) CONSTRUCT SERVICE ROADS REC	NY27 S	C	1.0	P-PA	FAP	9.180		0.180P	3.000R			6.000C			
112	0188001 (01)SUNRISE HWY(W/O POND RD-W/O LAKELAND AVE) CONSTRUCT SERVICE ROADS REC	NY27 S	C	2.1	P-PA	FAP FAP	0.315 7.300						0.315P 7.300R		10.500C	
113	0188002 (02)SUNRISE HWY(W/O LAKELAND AV-E/O BROADWAY CONSTRUCT SERVICE ROADS REC	NY27 S	C	2.1	P-PA	FAP FAP	0.315 9.700							0.315P 9.700R	10.500C	
114	022786 LONG ISLAND EXPRESSWAY SERVICE RD CONSTR-UPPER HALF HOLLOW RD-COMMACK CON	NY495 S	C	2.5	U-PA	FAP HES	8.200 0.215		0.100R			8.100C 0.215C				

NASSAU-SUFFOLK TRANSPORTATION IMPROVEMENT PROGRAM

SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR	TOT	ANNUAL	ELEMENT	COSTS IN MILLIONS					F.Y.	
NUM	DESCRIPTION				5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	PO-89			
	TYPE OF WORK																		
115	022797 NY495 S LONG ISLAND EXPRESSWAY SERVICE RDS(WICKS RD- VETERANS MEMORIAL HWY) CON	R	2.8	U-PA	FAP				4.050	0.200P	0.050R	4.000C							
116	022798 NY495 S LONG ISLAND EXPRESSWAY SERVICE RDS(VETERANS MEMORIAL HWY-NICHOLS RD) CON	R	0.9	U-PA	FAP				4.000	0.080P	4.000C								
117	022819 NY495 S LONG ISLAND EXPRESSWAY: MONOLITHIC DECK REPAIR OVER SILLS ROAD BRI	N		P-PA	FAP				0.000	0.500C									
118	032738 NY25A S NY25A REALIGNMENT(LITTLE NECK AV-WOODRINE AV) REC	R	1.0	U-MA															
119	032746 NY25A S NY25A(NY347-PIPESTAVE HOLLOW ROAD) REC	R	1.7	U-PA	FAU				3.450		0.350P		1.000R		2.100C				
120	A32753 VAR S BROOKHAVEN INTERSECTION IMPROVEMENTS SAF TSM	N		U- V	FAU FAP				0.400 0.650	0.032P 0.286P		0.400C 0.650C							

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SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
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TIP	PIN/ROUTE	NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS						
NUM	DESCRIPTION		9	AGE	FUNC	FUND	SYR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK		5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89 PO-89
121	037500	S	R	23.0	P-PA	FAP	0.000						0.000C
	SOUTH FORK TRANSPORTATION STUDY												
122	B51629	NSP S	N	11.9	P-PA	FAP	2.575	0.105P		2.575C			
	NORTHERN STATE PARKWAY LIGHTING(N/S LINE-VETERANS MEMORIAL HWY) LIG												
123	B51630	NSP S	N	9.3	P-PA	FAP	2.150	0.105P	2.150C				
	NORTHERN STATE PKWY(OLD COUNTRY RD-NY454)&SAGTIK OS PKWY(SSP-NSP):MDN BRR SAF												
124	0534071	SSP S	N	3.8	P-PA	FAP	0.000	0.800C					
	(01)SOUTHERN STATE PKWY LIGHTING(BELMONT AVENUE-SAGTIKOS STATE PARKWAY) LIG												
125	B53422	SSP S	N	8.6	P-PA	FAP	3.300	0.165P	3.300C				
	SOUTHERN STATE PARKWAY-MEDIAN BARRIER(N/S LINE-SAGTIKOS STATE PKWY) SAF												
126	A75209	TOP S	N	.	U-	V FAU	1.060		1.060C				
	ISLIP TOPICS(BRENTWOOD-CENTRAL ISLIP AREA)												
	SAF	TSM											

NASSAU-SUFFOLK TRANSPORTATION IMPROVEMENT PROGRAM

SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A 5	MILE 9	F.A. AGE FUNC	FUND	SYR TOT (85-89)	ANNUAL ELEMENT COMMITTED FY83-84	COSTS IN MILLIONS					F.Y. 88-89	PD-89
									F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88			
127	093043 IMPROVEMENT TO NY25A IN THE VICINITY OF STONY- BROOK LIRR STATION R&P	NY25A	S	N	U-MA	FAU	0.000	1.033C							
128	TRN001 JERICHO TURNPIKE(NISSE- QUOGUE RIVER TO EDGEWOOD AVENUE) REC	NY25	S	R	U-PA	FAU	1.600	0.100P	0.500R	1.000C					
129	TRN477 LONG ISLAND EXPRESSWAY- SAGTIKOS PARKWAY INTER- CHANGE SERVICE ROADS CON	NY495	S	R	P-PA	FAP	1.000						1.000P		
130	TRN869 NY112(PECONIC AVENUE- LONG ISLAND EXPRESSWAY) R&P	NY112	S	N	U-MA	FAU NYS	0.400 0.80C	0.020P	0.400C 0.800C						
131	TRN963 NY25:INDIAN NECK ROAD- RAYVIEW AVENUE R&P	NY25	S	N	S-MC	FAS	0.575		0.575C						
132	TRN967 MIDDLE COUNTRY ROAD: INTERSECTION & RIDGE RD SAF	NY25	S	N	P-PA	HES	0.400		0.400C						

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SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR TOT	ANNUAL ELEMENT	COSTS IN MILLIONS						F.Y.	PO-89
NUM	DESCRIPTION	5							(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89			
	TYPE OF WORK																	
133	TRN968 NY25 S NY25: INTERSECTION @ MEADOW ROAD SAF	N		U-PA	HES				1.200		0.100P			1.100C				
134	BRN974 NY495 S LONG ISLAND EXPRESSWAY (NASSAU/SUFFOLK LINE- BAGATELLE ROAD) RAP	N	3.7	P-PA	FAP				2.600	0.120P	2.600C							
135	TRN993 NY111 S NY111: INTERSECTION AT MOTOR PARKWAY (RECHARGE BASIN& SIGNAL TURN LANES) SAF TSM	N		U-MA	HES				0.630		0.030P			0.600C				
					HES				0.060		0.060R							

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	F.A. FUNC	SYR (85-89)	TOT COMMITTED FY83-84	ANNUAL ELEMENT F.Y. 84-85	COSTS IN MILLIONS					PO-89
										F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
136	011316 TOP MONTAUK HIGHWAY(IDLE HOUR BLVD-BROOK STREET) SAF TSM	S	N	.	U-MA	FAU	0.000	0.400C							
137	832753 TOP BROOKHAVEN INTERSECTION IMPROVEMENT SAF TSM	S	N	.	U- V	FAU MIS	0.000 1.200	0.243P			1.200C				
138	875209 TOP ISLIP TOPICS(BRENTWOOD- CENTRAL ISLIP AREA) SAF TSM	S	N	.	U- V	FAU	0.905		0.905C						
139	075340 OTTER POND CULVERT REC- ONSTRUCTION IN SAG HARBOR REC	S	C	0.1	P-MA	FAP	0.600		0.600C						
140	075368 OAKLAWN AVE OVER JOCKEY CREEK-PIN3300660 BRI	S	R	.	-	HBR	1.100		1.100C						

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TIP	PIN/ROUTE NUMBER/COUNTY	NUM DESCRIPTION	TYPE OF WORK	A MILE F.A.	9 AGE FUNC FUND	5YR TOT	ANNUAL ELEMENT	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
				5		(25-29)	FY83-84	84-85	85-86	86-87	87-88	88-89	
141	075369	S	R	-	HBR	0.420		0.420C					
	SWEETZ AVE OVER SWAN RIVER-BIN3300460												
	BRI												
142	075370	S	R	U-C	HBR	0.970	0.075R	0.970C					
	OLD BRIDGE RD OVER LIRR PT JEFFERSON DIVISION												
	BIN2261120												
	BRI												
143	075371	S	R	-	HBR	0.975		0.975C					
	BRIDGE LANE OVER SAGA-PONACK POND-BIN3300510												
	BRI												
144	075378	CR29	S	R	1.7 U-MA	FAU	6.450		6.450C				
	SMITHTOWN AVE RECONSTRUCTION & BRIDGE REHAB BETWEEN LAKELAND AV & LIE REC												
					HBR	1.600			1.600C				
					MIS	0.450			0.450C				
145	075381	S	R	-	HBR	1.100	0.050R	1.100C					
	CRANBERRY HOLE RD OVER LIRR, MONTAUK DIVISION												
	BIN2200100												
	BRI												
146	075393	S	N	3.0 U-MA	FAU	1.215		1.215C					
	REHABILITATION OF OLD TOWN RD (NY347-SHEEP PASTURE RD) PHASE I												
	R&P												

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SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR	TOT	ANNUAL ELEMENT	COSTS IN MILLIONS					F.Y.	PO-89
NUM	DESCRIPTION	5							(85-89)	FY83-84	84-85	F.Y.	F.Y.	F.Y.	F.Y.	88-89		
	TYPE OF WORK																	
147	075394 S RIVERHEAD INTERSECTION IMPROVEMENTS SAF	C	.	U-V	RFU				0.050		0.050R							
					RFU				0.800		0.800C							
148	075395 CR39 S CR 39(NY27) ROADWAY WI- DENING(NORTH ROAD-MON- TAUK HIGHWAY R&P	R	5.5	P-PA	FAP				1.900	0.080R	1.900C							
149	075399 S WELLWOOD AVE AT CONKLIN STREET SAF TSM	N	.	U-MA	FAU				0.700	0.160P			0.700C					
150	075400 S PONQUOGUE BRIDGE RE- PLACEMENT BRI	N	0.6	-	HBR				0.000	15.000C								
151	075401 S CR 38 & SANDY HOLLOW RD INTERSECTION IMPROVEMENT SAF	N	.	S-MC	FAS				0.200	0.010R	0.200C							
152	075402 S CR 38 & BITTERSWEET LANE SAF	C	.	S-MC	FAS				0.310	0.090R	0.310C							
153	075404 CR80 S MONTAUK HIGHWAY GUIDE RAIL REHABILITATION (ATLANTIC AVE-KNOLL RD) SAF	N	.	S-MC	FAS				0.000	0.530C								

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	5YR	TOT	ANNUAL ELEMENT		COSTS IN MILLIONS					PO-89
												COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.		
												(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	
154	075405	CRBO	S	N	.	S-MC	FAS			0.000	0.232C								
	MONTAUK HIGHWAY RESURFAC ING(LEWIS ROAD-OLD COUNTRY ROAD) R&P																		
155	075423		S	N	.	-	HBR			5.000						5.000C			
	BRIDGE REHABILITATION- BEACH LANE OVER QUANTUCK CANAL, WESTHAMPTON BEACH BRI																		
156	075424		S	N	.	S-MC	FAS			1.360			0.200P		1.160C				
	SOUND AVENUE REALIGNMENT (FRESH POND AVE TO ED- WARDS AVE) REC																		
	1																		
157	075426		S	N	2.6	S-MC	FAS			0.410			0.040P		0.370C				
	CHAPMAN BOULEVARD(RAIL- ROAD AVENUE -CR111) R&P																		
158	075427		S	R	1.0	U-MA	FAU			1.000			1.000C						
	NICHOLS ROAD RECONSTRUC- TION(VETFRANS MEMORIAL HWY-LONG ISLAND EXFWY) RFC																		
159	075428	CRPO	S	N	1.9	S-MC	FAS			0.470			0.470C						
	MONTAUK HIGHWAY(NY24- 500 FEET WEST OF CANOE PLACE) R&P																		

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	5YR (85-89)	TOT FY83-84	ANNUAL ELEMENT		COSTS IN MILLIONS					F.Y. 88-89	PG-89
									COMMITTED F.Y.	F.Y.	F.Y.	F.Y.	F.Y.				
160	TRN002 OLD WILLETS PATH, HAUP- PAUGE (MOTOR PARKWAY- VETERANS MEMORIAL HWY) REC	S	R	.	U-MA	FAU	2.500		0.200P		0.300R				2.000C		
161	TRN003 PARK AVENUE, HUNTINGTON (BROADWAY-GREENLAWN RD- LAKE AVE) R&P	S	N	.	U-MA	FAU	0.800			0.800C							
162	TRN978 EAST HAMPTON INTER- SECTION IMPROVEMENT SAF	S	N	.	S-MC	FAS	0.220			0.220C							

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SUFFOLK COUNTY - LOCAL TRANSIT

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 5	MILE AGE	F.A. FUNC	PUND	SYR (85-89)	ANNUAL ELEMENT		COSTS IN MILLIONS					PU-89
								TOT FY83-84	COMMITTED F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
163	0821402 (02)HUNTINGTON:ADDITION- AL FUNDS FOR HART MAIN- TENANCE FACILITY LOC	S	C	.	-	U5C NYS LOC	0.100 0.025 0.000		0.100C 0.025C 0.000C						
164	0821403 (03)HUNTINGTON:ADDITION- AL FUNDS FOR HART MAIN- TENANCE FACILITY LOC	S	C	.	-	U9A NYS LOC	0.201 0.050 0.000		0.201C 0.050C 0.000C						
165	082153 TOWN HUNT PURCH 1 LINE- HAUL BUS W/LFT.PAREBOX & RAD FOR SYS EXP(0723.T2) LOC E+H	S	N	.	-	UM3 NYS LOC	0.000 0.000 0.000	0.150C 0.038C 0.000C							
166	082155 SUFFOLK COUNTY PURCHASE 7 SMALL TRANSIT BUSES FOR SYSTEM EXP(0823T1) LOC E+H	S	C	.	-	U9A NYS LOC	0.000 0.000 0.000	0.694C 0.174C 0.000C							
167	LOC5480 SUFFOLK COUNTY OPERATING ASST FOR COUNTY BUS SYS (CFY 82-FFY 83 FUNDS) LOC	S	R	.	-	U9A NYS LOC	0.000 0.000 0.000	0.965C 1.013C 1.5%							

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SUFFOLK COUNTY - LOCAL TRANSIT
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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WRK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	SYR (85-89)	TOT FY83-84	ANNUAL COMMITTED 84-85	ELEMENT F.Y. 84-85	COSTS IN MILLIONS					PO-89
											F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
168	LOC5490 TOWN OF HUNTINGTON OPER ASST FOR TOWN BUS SYSTEM (TFY 83-FFY 83 FUNDS) LOC	S	R	.	-	U9A NYS LOC	0.000 0.000 0.000	0.059C 0.200C 0.800C								
169	LOC5530 SUFFOLK COUNTY PURCHASE 3 TRANSIT BUSES W/LIFTS & FAREBOXES FOR SYS EXP LOC	S	C	.	-	U9A NYS LOC	0.000 0.000 0.000	0.442C 0.110C 0.000C								
170	LOC5540 SUFF CO PURCH 15 LINE- HAUL BUSES W/LIFTS &FARE BOXS FOR PHASEII SYS EXP LOC	S	R	.	-	U9C NYS LOC	2.208 0.552 0.000		2.208C 0.552C 0.000C							
171	LOC5550 SUFF CO PURCH 2 SUPER- VISORY VEHICLES W/2-WAY RADIO SYSTEM LOC	S	R	.	-	U5C NYS LOC	0.000 0.000 0.000	0.018C 0.003C 0.001C								
172	LOC5560 SUFF CO PURCH 7 LINE- HAUL BUS W/LIFTS & FARE BOXES FOR PHII SYS EXP LOC	S	R	.	-	U5C NYS LOC	0.000 0.000 0.000	1.030C 0.258C 0.000C								
173	LOC5570 SUFF CO PURCH 14 LINE- HAUL BUSES W/LFTS & FARE BOXES FOR PH II SYS EXP LOC	S	R	.	-	UM3 NYS LOC	2.061 0.515 0.000		2.061C 0.515C 0.000C							

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SUFFOLK COUNTY - LOCAL TRANSIT

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TIP	PIN/ROUTE	NUMBER/COUNTY	A MILE F.A.			ANNUAL ELEMENT	COSTS IN MILLIONS						
NUM	DESCRIPTION		9	AGE FUNC	FUND	SYR TOT COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.		
	TYPE OF WORK		5			(85-89) FY83-84	84-85	85-86	86-87	87-88	88-89		PO-89
174	LOC5580 TOWN HUNTINGTON PURCHASE 3 LINE-HAUL BUSES W/FARE BOX & RADIO FOR SYS EXP LOC E+H	S	R	.	-	UM3 NYS LOC	0.453 0.057 0.057		0.453C 0.057C 0.057C				
175	LOC5590 TOWN HUNTINGTON PURCHASE 1 LINE-HAUL BUS W/FARE BOX & RADIO FOR SYS EXP LOC E+H	S	R	.	-	UM3 NYS LOC	0.151 0.019 0.019	0.151C 0.019C 0.019C					
176	LOC5660 SUFF COUNTY OPER ASSIST FOR COUNTY BUS SYSTEM (CFY 84-FFY 84 FUNDS) LOC	S	N	.	-	U90 NYS LOC	0.663 1.013 1.596	0.663C 1.013C 1.596C					
177	LOC5670 SUFF CO PURCH 8 SMALL FEEDER BUSES W/LIFTS & FAREBOXES FOR SYS EXP LOC E+H	S	R	.	-	U9C NYS LOC	0.832 0.198 0.010	0.832C 0.198C 0.010C					
178	LOC5680 SUFFOLK COUNTY CONSTRUCT ADDITIONAL PARKING @ RONKONKOMA LIRR STATION LOC ISM	S	R	.	-	U9A NYS LOC	0.000 0.000 0.000	0.572C 0.000C 0.228C					
179	LOC5690 TOWN OF HUNTINGTON OPER ASSIST FOR TOWN BUS SYS HART(TFY84-FFY84 FUNDS) LOC	S	N	.	-	U90 NYS IOC	0.059 0.220 0.900	0.059C 0.220C 0.900C					

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SUFFOLK COUNTY - ELDERLY & HANDICAPPED
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TIP	PIN/ROUTE	NUMBER/COUNTY	A	MILE	F.A.				COSTS IN MILLIONS						
NUM	DESCRIPTION		9	AGE	FUNC	FUND	SYR	TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
	TYPE OF WORK		5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89		
180	LOC5600	S	R	.	-	162	0.000	0.052C							
	UNITED CEREBRAL PALSY					NYS	0.000	0.000C							
	ASSOC OF SUFF PURCH 2-16					LOC	0.000	0.017C							
	PASS BUSES W/RAMPS & A/C														
	E&H	E+H													
181	LOC5610	S	R	.	-	162	0.000	0.053C							
	SUFFOLK CHILD DEVELOP-					NYS	0.000	0.000C							
	MENT CENTER, PURCHASE 2					LOC	0.000	0.017C							
	VEHICLES WITH A/C														
	E&H	E+H													
182	LOC5630	S	R	.	-	162	0.000	0.027C							
	YM-YWHA OF SUFFOLK,					NYS	0.000	0.000C							
	PURCHASE ONE 20 PASS BUS					LOC	0.000	0.009C							
	WITH RAMP AND A/C														
	E&H	E+H													
183	LOC5640	S	R	.	-	162	0.000	0.021C							
	AMERICAN RED CROSS OF					NYS	0.000	0.000C							
	SUFF PURCH ONE 12 PASS					LOC	0.000	0.007C							
	VAN WITH LIFT AND A/C														
	E&H	E+H													

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY ON STATE HIGHWAY SYSTEM
100% STATE FUNDS-NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A S	MILE AGE	F.A. FUNC	FUND	SYR	TOT (85-89)	ANNUAL COMMITTED FY83-84	ELEMENT F.Y. 84-85	COSTS IN MILLIONS					PO-89
											F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
1	005852 SUNRISE HIGHWAY-R&P (NY106-WANTAGH STATE PARKWAY) R&P	NY27	N	N	1.2	P-PA	R&P	0.000	1.000C							
2	055310 HEMPSTEAD TURNPIKE-R&P (WOLCOTT RD-WANTAGH AVE) R&P	NY24	N	N	2.1	P-PA	R&P	0.000	2.700C							
3	A80216 SIGNAL REQUIREMENTS CONTRACT (1984) SIG	VAR	N	N	.	V-	NYS	0.000	0.500C							
4	TRN866 SUNRISE HIGHWAY ROADWAY IMPROVEMENT(MEADOWBROOK PKWAY-NY106) R&P	NY27	N	N	1.6	P-PA	R&P	1.500		1.500C						
5	TRN991 LONG ISLAND EXPRESSWAY (NYC LINE-EXIT 39) RECOND & PRESERVATION R&P	NY495	N	N	5.4	P-PA	R&P	0.500			0.500C					

NASSAU COUNTY - ELIMINATION OF GRADE CROSSING
NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	SYR TOT (85-89)	ANNUAL ELEMENT		COSTS IN MILLIONS					PO-89
								COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
6	075396 ELIMINATION OF GRADE CROSS'NG:ROEBINS LANE + LIRR EGC	N	R	.	U-C	EGC	5.990		0.450R	5.540C					
7	075398 MINEOLA GRADE CROSSING ELIMINATION EGC	N	R	.	-	EGC	0.000	2.100P							

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY-STATE PARKWAYS
NOVEMBER 1, 1983

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TIP	PIN/ROUTE	NUMBER/COUNTY	A	MILE	F.A.	ANNUAL	ELEMENT	COSTS IN MILLIONS					F.Y.	
NUM	DESCRIPTION		9	AGE	FUNC	FUND	5YR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK		5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	PC-89
8	051624	VAR N	N	.	P-PA	PKY	0.000	0.200C						
	EROSION CONTROL ON VARIOUS PARKWAYS IN NASSAU COUNTY R&P													
9	A51628	NSP N	N	4.6	P-PA	PKY	0.000	0.250C						
	NORTHERN STATE PARKWAY SIGN IMPROVEMENT(NY106-NY454) SG:4 TSM													
10	052309	VAR N	N	.	P-PA	PKY	0.000	1.000C						
	BRIDGE GUIDE RAIL REPLACEMENT ALONG VARIOUS PKWYS IN NASSAU COUNTY SAF													
11	A53414	SSP N	N	4.1	P-PA	PKY	0.000	0.600C						
	SSP PAVEMENT R&P(WANTAGH AVE-ROBERT MOSES CAUSEWAY) R&P													
12	A53422	SSP N	N	3.2	P-PA	PKY	0.175		0.175C					
	SOUTHERN STATE PARKWAY SAFETY IMPROVEMENT (SEAMAN NECK PD-N/S LINE) SAF													

NASSAU-SUFFOLK T.T.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY-STATE PARKWAYS
NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A 9 5	MILE AGE 5	F.A. FUNC 5	FUND	SYR TOT (85-89)	ANNUAL ELEMENT COMMITTED FY83-84	F.Y. 84-85	COSTS IN MILLIONS					F.Y. 88-89	PO-89
									F.Y. 85-86	F.Y. 86-87	F.Y. 87-88					
13	AB1500 VARIOUS PARKWAYS-GUIDE RAIL REPLACEMENT SAF	VAR	N	N	P-PA	PKY	0.300	0.300C								
14	ARN980 SOUTHERN STATE PARKWAY SIGN INSTALLATION (WANTAGH AVE-N/S LINE) SGN	SSP	N	N	3.3 P-PA	PKY	0.550	0.550C								
15	TRN981 SOUTHERN STATE PARKWAY R&P(MERRICK RD-NEWBRIDGE RD) R&P	SSP	N	N	5.0 P-PA	PKY	0.700	0.700C								

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY
 SECOND PRIORITY-SUBJECT TO AVAILABILITY OF FUNDS
 NASSAU COUNTY-NOVEMBER 1, 1983

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TIP FIN/ROUTE NUMBER/COUNTY NUM DESCRIPTION TYPE OF WORK	A MILE F.A. 9 AGE FUNC FUND 5YR TOT COMMITTED 5	ANNUAL ELEMENT F.Y. FY83-84	F.Y. 84-85	COSTS IN MILLIONS			F.Y. 88-89	PO-89
				F.Y. 85-86	F.Y. 86-87	F.Y. 87-88		

NO PROJECTS CONTEMPLATED IN THIS CATEGORY

NASSAU COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP PIN/ROUTE NUMBER/COUNTY		A MILE F.A.	ANNUAL ELEMENT		COSTS IN MILLIONS							
NUM	DESCRIPTION	9	AGE FUNC	FUND	5YR TOT (85-89)	COMMITTED FY83-84	F.Y. E4-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89	PD-89
TYPE OF WORK		5										
16	61270 N WOODBURY RD ROADWAY WIDENING AND DRAINAGE AND OTHER IMPROVEMENTS REC	.	-	CTY	4.100		0.400P				3.700C	
17	61390 N HARBOR RD, PORT WASHING- TON ROADWAY WIDENING AND OTHER IMPROVEMENTS REC	.	-	CTY	1.600			1.600C				0.100P
18	61400 N SHORE RD, PORT WASHING- TON NORTH ROADWAY WIDE- NING REC	.	-	CTY	0.000	1.250C						0.100P
19	61440 N BRUSH HOLLOW RD SEC.2, WESTBURY WIDENING OF EXISTING ROADWAY REC	.	-	CTY	3.000			3.000C				0.200P
20	62020 N TRAFFIC SIGNS FOR COUNTY WIDE HIGHWAY FACILITIES R&P	.	-	CTY	0.000							1.060C

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP	PIN/ROUTE	NUMBER/COUNTY	A	MILE	F.A.	ANNUAL	ELEMENT	COSTS IN MILLIONS						
NUM	DESCRIPTION		9	AGE	FUNC	FUND	SYR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
	TYPE OF WORK		5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	
21	62021	N	.	-	CTY		0.000							0.928C
	ROAD MARKINGS FOR COUNTY WIDE HIGHWAY FACILITIES R&P													
22	B6106	N	.	-	CTY		1.020		1.020C					0.180P
	I.U.WILLETS ROADWAY WIDENING PLUS SIDEWALK IMPROVEMENTS REC													
23	B6106	N	.	-	CTY		0.000	0.930C						0.105P
	EAST SECOND ST AND VOICE RD ROADWAY WIDENING, RESURFACING, DRAINAGE, ETC. REC													
24	B6108	N	.	-	CTY		0.000							0.360P
	NASSAU RD ROOSEVELT RECONSTRUCTION OF TRAFFIC AND PARKING LANES REC													
					CTY		0.000							2.806C
25	B6111	N	.	-	CTY		0.410		0.410C					0.090P
	SALISBURY PARK DRIVE ROADWAY REALIGNMENT AND OTHER IMPROVEMENTS REC													
26	B6114	N	.	-	CTY		0.000	2.200C						0.300P
	BAY PARK PLANT-RELOCATION OF APPROACHES AND TRAFFIC IMPROVEMENT REC													

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUM:FR/COUNTY	A MILE 9 AGE 5	F.A. FUNC	FUND	SYR TOT (85-89)	ANNUAL ELEMENT		COSTS IN MILLIONS					F.Y. 88-89	PD-89
							COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88				
27	B6119 LAKEVILLE RD AND NORTH HEMPSTEAD TURNPIKE IN- TERSECTION WIDENING REC	N	-	CTY		0.000									0.100P 0.400C
28	A6145 FRONT ST-WASHINGTON ST. HEMPSTEAD RECONSTRUCTION OF EXISTING ROADWAY REC	N	-	CTY		2.600			2.600C						0.300P
29	A61510 ROADWAY RECONDITION AND PRESERVATION IN 3 TOWNS OF NASSAU COUNTY R&P	N	-	CTY		0.000	7.500C								0.100P
30	B61510 ROADWAY RECONDITION AND PRESERVATION IN 3 TOWNS OF NASSAU COUNTY R&P	N	-	CTY		7.500		7.500C							
31	A6153 HEMPSTEAD AVE WEST HEMP- STEAD RESURFACING AND SHOULDER REHABILITATION R&P	N	-	CTY		0.000	1.380C								0.100P
32	A6179 WEST SHORE RD.MILL NECK RECONSTRUCTION OF ROAD- WAY AND SEAWALL REC	N	-	CTY		14.500						14.500C		0.500P	

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS						
NUM	DESCRIPTION	9	AGE	FUNC	FUND	5YR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK	5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89
33	A6189 MILL POND CULVERT, OYSTER BAY-CULVERT RECONSTRUC- TION REC	N	-	CTY	0.000	0.550C						0.060P
34	C6202 TRAFFIC SIGNS FOR COUNTY WIDE HIGHWAY FACILITIES R&P	N	-	CTY	0.530				0.530C			
35	F6202 ROAD MARKINGS FOR COUNTY WIDE HIGHWAY FACILITIES R&P	N	-	CTY	0.470				0.470C			
36	K6202 SIGNAL MODIFICATIONS FOR COUNTYWIDE HIGHWAY FACI- LITIES R&P	N	-	CTY	0.000							1.845C
37	L6202 SIGNAL MODIFICATIONS FOR COUNTYWIDE HIGHWAY FACI- LITIES R&P	N	-	CTY	0.000	2.460C						
38	M6202 SIGNAL MODIFICATIONS FOR COUNTYWIDE HIGHWAY FACI- LITIES R&P	N	-	CTY	2.460				2.460C			

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

NASSAU COUNTY - SAFER ROADS PROGRAM
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TIP PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT		COSTS IN MILLIONS					
NUM DESCRIPTION	9	AGE	FUNC	FUND	5YR TOT COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	
TYPE OF WORK	5				(85-89) FY83-84	84-85	85-86	86-87	87-88	88-89	PD-89

NO PROJECTS CONTEMPLATED IN THIS CATAGORY

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
100% STATE FUNDS-NOVEMBER 1, 1983

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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS							
NUM	DESCRIPTION	9	AGE	FUNC	FUND	5YR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
	TYPE OF WORK	5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	
39	000813 NY114 S NY114 DRAINAGE IMPROVE- MENTS AT EAST HAMPTON DRA	N		P-PA	R&P	0.000	0.150C						
40	004158 NY25 S ROADWAY IMPROVEMENTS TO JERICHO TURNPIKE (NY111- FRANKLIN DRIVE) R&P	N	0.6	U-PA	R&P	0.000	1.000C						
41	011241 NY110 S NY110 DRAINAGE IMPROVE- MENT AT HALFSITE DRA	N	0.8	U-PA	R&P	0.300		0.300C					
42	011242 NY110 S NEW YORK AVE ROADWAY IMPROVEMENT (PULASKI RD TO TUTHILL ST) R&P	N	0.8	U-PA	R&P	2.200		2.200C					
43	011319 NY27A S MONTAUK HWY RESURFACING (ROBERT MOSES CAUSEWAY- MANOR LANE) R&P	N	0.3	U-MA	R&P	0.000	0.242C						

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
100% STATE FUNDS-NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	5YR TOT (85-89)	ANNUAL ELEMENT		COSTS IN MILLIONS					PO-89
								COMMITTED FY83-84	F.V. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89		
44	032747	NY25A S	N	2.7	U-MA	R&P HES	0.000 0.000	0.789C 0.250C							
	NY25A SAFETY IMPROVEMENT (NY25 TO HITHERBROOK RD) SAF														
45	032752	NY25A S	N	.	U-MA	R&P	0.400		0.400C						
	NY25A INTERSECTION IMPROVEMENT AT STONY BROOK ROAD SAF														
46	032754	NY25A S	N	5.0	P-PA	R&P	0.000	2.300C							
	NORTH COUNTRY RD ROADWAY IMPROVEMENT(WILLIAM FLOYD PKWY-NY25) R&P														
47	B80216	S	N	.	V-	NYS	0.000	0.500C							
	SIGNAL REQUIREMENTS CONTRACT (1984) SIG														
48	TRN869	NY112 S	N	2.5	U-PA	R&P	0.800		0.800C						
	MEDFORD RD ROADWAY IM- PROVEMENT(NY27-PECONIC AVE) R&P														
49	TRN987	S	N	.	V-	R&P	1.320			1.320C					
	MONOLITHIC DECK REPAIRS- VARIOUS BRIDGES BRI														

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY ON STATE HIGHWAY SYSTEM
100% STATE FUNDS-NOVEMBER 1, 1983

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TYP NUM	PIN/ROUTE DESCRIPTION	NUMBER/COUNTY	A	MILE	F.A.	9	AGE	FUNC	FUND	SYR	ANNUAL ELEMENT		COSTS IN MILLIONS				PO-89
											TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK										(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89
50	TRN988	NY25A	S	N	0.8	U-MA	R&P		0.750					0.750C			
	ROADWAY IMPROVEMENT- NY25A(GOOSE HILL ROAD- IRWIN PLACE) R&P																
51	TRN989	NY110	S	N	1.3	U-MA	R&P		1.000					1.000C			
	ROADWAY IMPROVEMENT- NY110(22ND STREET- PULASKI ROAD) R&P																
52	TRN990	NY495	S	N	6.0	P-PA	R&P		2.500					2.500C			
	ROADWAY IMPROVEMENT- LONG ISLAND EXPRESSWAY (COMMACK ROAD-NY454) R&P																
53	TRN994	NY25	S	N		S-MC											
	DRAINAGE IMPROVEMENT TO NY25-GREENPORT VILLAGE R&P																

NAESAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

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SUFFOLK COUNTY - ELIMINATION OF GRADE CROSSING

NOVEMBER 1, 1983

TIP PIN/ROUTE NUMBER/COUNTY NUM DESCRIPTION TYPE OF WORK	A MILE F.A. 9 AGE FUNC FUND SYR TOT COMMITTED 5	ANNUAL ELEMENT FY83-84	F.Y. 84-85	COSTS IN MILLIONS		F.Y. 88-89	PO-85
				F.Y. 85-86	F.Y. 86-87		

NO PROJECTS CONTEMPLATED IN THIS CATEGORY

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY-STATE PARKWAYS
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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS					F.Y.		
NUM	DESCRIPTION	9	AGE	FUNC	FUND	SYR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK	5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	P0-89
54	022815 RMC S N P-PA PKY FIRE ISLAND INLET BRIDGE PAINTING R&P					0.000	1.750C						
55	051625 VAR S N P-PA PKY MASONRY REPAIR & DECK REPLACEMENT ON PARKWAY BRIDGES IN SUFFOLK CO R&P					0.000	0.500C						
56	851628 NSP S N 11.7 P-PA PKY NORTHERN STATE PARKWAY GUIDE SIGN INSTALLATION (NY106-NY454) SGN					0.000	0.850C						
57	853414 SSP S N 8.2 P-PA PKY SSP PAVEMENT R&P(WANTAGH AVE-ROBERT MOSES CAUSEWAY) R&P					0.000	0.800C						
58	881500 VAR S N P-PA PKY GUIDE RAIL REPLACEMENT ON VARIOUS PARKWAYS SAF					0.700	0.700C						

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

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SUFFOLK COUNTY-STATE PARKWAYS
NOVEMBER 1, 1983

TIP PIN/ROUTE NUMBER/COUNTY NUM DESCRIPTION TYPE OF WORK	A MILE F.A. 9 AGE FUNC FUND 5	SYR TOT COMMITTED (85-89) FY83-84	ANNUAL ELEMENT F.Y. 84-85	COSTS IN MILLION F.Y.				F.Y. 88-89	PD-89
				F.Y. 85-86	F.Y. 86-87	F.Y. 87-88			
59 BRN980 SSP S SIGN INSTALLATION, SOUTH- ERN ST PKY(NY110-NY27A)8 SAGTIKOS ST PKY(SSP-NSP) SGN	N 20.7 P-PA PKY	2.050	2.050C						
60 TRN986 S CONSTRUCT SALT SHED AT CAPTREE STATE PARK CON	N P-PA PKY	0.000	0.030C						

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SECOND PRIORITY-SUBJECT TO AVAILABILITY OF FUNDS
SUFFOLK COUNTY-NOVEMBER 1, 1983

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TIP PIN/ROUTE NUMBER/COUNTY	A	MILE F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS					
NUM DESCRIPTION	9	AGE FUNC FUND	5YR TOT COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
TYPE OF WORK	5	(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	

61 SC5172	CR 29	S	1.9	U	MA	FAU	5.350					
SMITHTOWN AVE ROADWAY												
RESURFACING (LAWELAND-)												
LONG ISLAND EXPWY)												
REC												

DELETE

62 SC51552	CR100	S	-			FAU	6.200					
RECONSTRUCTION OF CR100.												
SUFFOLK AVE (CR13-CR4)												
ISLIP-BABYLON (CONST ONLY)												
REC												

6.200C

63 SC5802		S				FAU	12.100					
CONSTRUCTION OF THE NEW												
PONQUOCUE BRIDGE SOUTH-												
AMPTON												
BRI												

DELETE

12.100C 0.000P

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

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SUFFOLK COUNTY - SAFER ROADS PROGRAM
NOVEMBER 1, 1983

TIP PIN/ROUTE NUMBER/COUNTY NUM DESCRIPTION TYPE OF WORK	A MILE F.A. 9 AGE FUNC FUND 5	5YR TOT COMMITTED (83-89) FY83-84	ANNUAL ELEMENT		COSTS IN MILLIONS					F.Y. 88-89	PO-89
			F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88					

NO PROJECTS CONTEMPLATED IN THIS CATAGORY

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP PIN/ROUTE NUMBER/COUNTY NUM DESCRIPTION TYPE OF WORK	A MILE F.A. 9 AGE FUNC FUND 5YR TOT COMMITTED F.Y. 5 (85-89) FY83-84 84-85	ANNUAL ELEMENT F.Y. 85-86	COSTS IN MILLIONS F.Y. F.Y. F.Y. F.Y. 86-87 87-88 88-89				F.Y. 88-89	PO-89
64 SC5012 CR 16 S R U-MA CTY RECONSTR OF HORSEBLOCK ROAD(CR11NICOLLS RD TO PATCHOGUE-MT SINAI RD) REC	5.005	0.450P 0.505R		4.500C				
65 SC5014 S - CTY STRENGTHENING AND IMPRO- VING COUNTY ROADS R&P	4.400	4.400C						
66 SC5024 CR 17 S N - CTY CONSTR OF DRAIN FAC ON CARLETON AVE,CR17-ISLIP (FAIRVIEW-SPUR DRIVE) DRA	1.040	0.047R 1.040C						
67 SC5037 VAR S N - CTY REMOVAL OF LANE MARKINGS AND SAFETY STRIPING OF VARIOUS COUNTY ROADS SAF	1.072	1.072C						
68 SC5051 CR4 S - CTY RECONST OF COMMACK ROAD. CR4(DEER PARK AVE TO VIC EDGEWOOD STATE HOSPITAL) PEC	9.900	0.300P 1.100R		8.800C				

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	ANNUAL ELEMENT		COSTS IN MILLIONS					F Y. 88-89	PD-89
							5YR TOT (85-89)	COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88			
69	SC5054 TRAFFIC SIGNAL IMPROVE- MENTS SIG	VAR	S	N	-	CTY	1.453	0.080P	1.453C						
						CTY	0.000	0.010R							
70	SC5079 RECONSTRUCTION OF CR4, TOWNLINE ROAD VIC OF PULASKI RD-CLAY PITTS RD REC	CR4	S		-	CTY	2.500	0.100R	2.500C						
71	SC5097 RECONST OF CR17, CARLETON AVE:HECKSCHER SPUR-LIRR, CENTRAL ISLIP(OVER 2YRS) REC	CR 17	S		-	CTY	6.155		6.155C						
72	SC5107 RECONSTRUCTION OF LIRR GRADE SEPARATION-MONTAUK HWY-CR85-ISLIP(PHASE II) BRI	CR 85	S	N	-	CTY	0.000	0.030R							
						CTY	0.000	0.310C							
73	SC5112 RECONST OF MONTAUK HWY (CR80)BRIDGE OVER LIRR- HAMPTON PAYS BRI	CR80	S		-	CTY	0.650				0.650C				
74	SC5113 NEW HIGHWAY RECONSTRUC- TION(NY 109-RHILAND RD) REC	CR28	S	R	3.4 U-MA	CTY	9.900				9.900C				

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SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE F.A.	9	AGE	FUNC	FUND	5YR TOT	ANNUAL ELEMENT	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	PO-89
NUM	DESCRIPTION	5						(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89		
	TYPE OF WORK															
75	SC51131 CR28 S (01)RECONSTRUCTION OF CR 28 NEW HWY(SUNRISE HWY- CR5 RULAND RD)OVER 2 YRS REC			-		CTY	6.300	0.575P	1.500R	4.800C						
76	SC51132 CR28 S (02)RECONSTRUCTION OF CR 28 NEW HWY(SUNRISE HWY- CR5 RULAND RD)OVER 2 YRS REC			-		CTY	7.200					7.200C				
77	SC5117 CR 35 S N CONSTR OF DRA FAC & INTER IMP ON PARK AVE, CR35 (LAKE RD-BROWAY)HUNTINGTN DRA			-		CTY	2.825	0.254P	2.825C							
						CTY	0.000	0.425R								
78	SC5118 CR16 S DRA IMP ON CR16, TERRY RD /SMTHTWN BLVD/PORTION RD (NY25-SUMIT)(CR93-HWKNS) DRA			-		CTY	1.800	0.140P	0.030R	1.770C						
79	SC5129 CR 19 S N RECONSTRUCTION OF CR19, PATCHOGUE-HOLBROOK ROAD (DIVISION ST-MNTAUK HWY) REC			-		CTY	1.200	0.200R	1.200C							
80	SC5130 CR 67 S N MOTOR PARK JAY RESURFAC- ING(WICKS ROAD-WASHING- TON AVE) (PHASE III) REC			-		CTY	1.720		1.720C							

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	ANNUAL ELEMENT		COSTS IN MILLIONS					F.Y. 88-89	PO-89
							SYR (85-89)	TOT FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88			
81	SC5139 PLOWABLE PAVEMENT MAR- KERS COUNTYWIDE SGN	S	N	.	-	CTY	0.446		0.446C						
82	SC5146 CR95 CONST OF DRAINAGE FACIL ON MONTAUK HWY,VIC OF SNEDECOR AVE,TOWN ISLIP DRA	S	.	.	-	CTY	0.050		0.050C						
83	SC5147 CR 83 EXPANSION OF RECHARGE BA SIN ON CR 83 & NY 25- BROOKHAVEN MIS	S	.	.	-	CTY	0.150			0.050R	0.100C				
84	SC5148 CR 85 CONST OF DRAINAGE FAC'L ON CR85,VIC OF OAKDALE AVE,TOWN OF ISLIP DRA	S	.	.	-	CTY	0.300		0.300C						
85	SC5150 CR 16 DRAINAGE FAC. ON CR 16 IN THE VICINITY OF NI- CHOLS RD. & ROSEVALE AVE DRA	S	.	.	-	CTY	0.715	0.045R	0.715C						
86	SC5151 CR 11 DRA FAC ON PULASKI RD, CR11,VIC OF LOU AVE, SMITHTOWN DRA	S	.	.	-	CTY	0.350		0.050R	0.300C					

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
100% COUNTY FUNDS-NOVEMBER 1, 1983

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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	SYR	ANNUAL ELEMENT		COSTS IN MILLIONS					PD-89
								TOT (85-89)	COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89	
87	SC5152 REALIGN OF CR21 YAPHANK AVE,VICINITY OF MILL RD- BROOKHAVEN REC	CR 21 S	.	-	CTY		0.350			0.350C					
88	SC5154 DRAIN FACILITIES CR80, MONTAUK HWY,VIC OF NY24, HAMPTON BAYS DRA	CR80 S	.	-	CTY		0.120		0.120C						
89	SC51551 (01)RECONST OF CR100, SUFFOLK AVE(CR13-CR4) ISLIP-BABYLON (ROW) REC	CR100 S	.	-	CTY		0.400				0.400R				
90	SC5158 RECONSTRUCTION OF CR11 PULASKI ROAD BRIDGE OVER LIRR,TOWN OF HUNTINGTON BRI	CR11 S	.	-	CTY		0.400				0.400C				
91	SC5160 CONSTRUCTION OF DRAINAGE FACILITIES ON CR39A, FLYING POINT RD DRA	CR39A S N	.	-	CTY		0.450			0.100R		0.350C			
92	SC5162 RECONSTRUCTION OF BEAVER DAM BRIDGE, WESTHAMPTON BRI	S	.	-	CTY		0.650					0.650C			

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SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	SYR TOT (85-89)	ANNUAL ELEMENT	COSTS IN MILLIONS					PO-89
								COMMITTED FY83-84	F.Y. 84-85	F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89	
93	SC5164	CR99	S	.	-	CTY	0.175		0.175C					
	SHOULDER RECONST ON CR99 WOODSIDE AVE(BUFFALO- PA-INSYLVANIA)BROOKHAVEN REC													
94	SC5167	CR93	S	N	.	-	CTY	1.330		0.030R		1.300C		
	RECONSTRUCTION OF CR93, OCEAN AVENUE RFC													
95	SC5168	CR11	S	N	.	-	CTY	3.560			0.060R		3.500C	
	RECONSTRUCT SEGMENTS OF CR11,PULASKI ROAD, HUNTINGTON(PHASE II) RFC													
96	SC5169	CR67	S	N	.	-	CTY	0.000	0.100C					
	DRAINAGE IMPROVEMENT ON CR67,MOTOR PARKWAY DRA													
97	SC5175	CR111	S	N	.	-	CTY	7.320			0.120R		7.200C	
	CONSTRUCTION OF CR111, PT JEFFERSON-WESTHAMPTON RD,BROOKHAVEN CON													
98	SC5176	CR67	S	N	.	-	CTY	0.200		0.020R	0.180C			
	DRAINAGE IMPROVEMENT ON CR67,MOTOR PARKWAY, ISLIP DRA													

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
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TIP NUM	PIN/ROUTE DESCRIPTION TYPE OF WORK	NUMBER/COUNTY	A 9 5	MILE AGE	F.A. FUNC	FUND	SYR (85-89)	TOT COMMITTED FY83-84	ANNUAL ELEMENT F.Y. 84-85	COSTS IN MILLIONS				PO-89
										F.Y. 85-86	F.Y. 86-87	F.Y. 87-88	F.Y. 88-89	
99	SC5178 LANDSCAPING OF VARIOUS COUNTY ROADS AND FACILITIES LAN	S	N	.	-	CTY	0.200			0.200C				
100	SC5179 CR43 DRAINAGE FACILITIES ON CR43,NORTHVILLE TURNPIKE RIVERHEAD DRA	S	N	.	-	CTY	0.350			0.350C				
101	SC5180 INSTALL GUIDE RAIL & SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS SAF	S	N	.	-	CTY	0.700			0.700C				
102	SC5182 CR21 RECONSTRUCTION OF CR21, ROCKY POINT-YAPHANK ROAD BROOKHAVEN REC	S	N	.	-	CTY	1.325	0.125R		1.200C				
103	SC5496 CR16 SIDEWALK CONST & VARIOUS IMP ON CR16,SMITHTOWN BLVD/PORTION RD R&P	S	N	.	-	CTY	1.325	0.125R		1.200C				
104	SC5497 SIDEWALK CONSTRUCTION ON VARIOUS COUNTY ROADS R&P	S	N	.	-	CTY	1.600			1.600C				

NASSAU-SUFFOLK T.I.P. ADDENDUM - INFORMATION ONLY

SUFFOLK COUNTY OFF-STATE HIGHWAY SYSTEM
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TIP	PIN/ROUTE NUMBER/COUNTY	A	MILE	F.A.	ANNUAL ELEMENT	COSTS IN MILLIONS							
NUM	DESCRIPTION	9	AGE	FUNC	FUND	5YR TOT	COMMITTED	F.Y.	F.Y.	F.Y.	F.Y.	F.Y.	
	TYPE OF WORK	5				(85-89)	FY83-84	84-85	85-86	86-87	87-88	88-89	PD-89
105	SC5817 REPLACEMENT OF AWIXA AVE BRIDGE BRI	S	N	-	CTY	0.450					0.450C		
106	SC5826 RECONSTRUCTION OF FISH COVE BRIDGE, SOUTHAMPTON BRI	S	N	-	CTY	0.366			0.366C				

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2 Those are based on the projected schedule
3 for each of the jobs that are on the program. That is a
4 schedule laid out in cooperation with my office and our
5 design group.

6 Also worked out with the locality, if a
7 job with the State system, where there is federal aid
8 involved.

9 That is how those years were estimated.

10 MR. IRWIN: I take it that the cost, in
11 the next column over, is also estimated by your office?

12 MR. BEACH: Yes, correct.

13 MR. IRWIN: Has the funding for repairs
14 in years '84-'85 been approved by the general assembly
15 or whatever other body needs to issue money for each of
16 the '84-'85 projects?

17 MR. BEACH: Yes, for '84-'85. Most of
18 our programs are federally funded.

19 We get that on a five-year allocation.
20 Our funding is guaranteed for five years.

21 One hundred percent state funded jobs are
22 on a program for two years in advance. With the recent
23 passage of the bond issue, we are assured of active
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2 funding for the program you see here from now until '89.

3 MR. IRWIN: One of the projects that
4 isguaranteed funding?

5 MR. BEACH: Yes.

6 MR. IRWIN: Is it your estimate that each
7 one of the projects will be undertaken in the year
8 presently scheduled?

9 MR. BEACH: Yes.

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21 (Continued on following page.)
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2 MR. IRWIN: Are you absolutely confident
3 of that?

4 MR. BEACH: I am confident of the ones in
5 the immediate fiscal year. I am fairly confident of the
6 ones in the second fiscal year.

7 Third, fourth and fifth are so far out at
8 this point that there may be events that we are not
9 aware of that could cause the project to slip.

10 However, I might add that there is
11 support to carry out the projects, and I am sure that if
12 they do slip, it would be only by a couple of months.

13 MR. IRWIN: You think that a project
14 currently targeted for 1988 will probably be undertaken--

15 MR. BEACH: Yes. It would not be on the
16 progra unless there was support from Suffolk County
17 and/or Nassau County.

18 MR. IRWIN: Support?

19 MR. BEACH: The document that you have
20 has to be approved by our transportation coordinating
21 committee, made up of the county executives, Nassau and
22 Suffolk, and the chairman of the MTA as well.

23 Every project on there must be approved
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2 by that body before it gets on the program.

3 MR. IRWIN: How long has that procedure
4 been in effect?

5 MR. BEACH: I would say the process has
6 been around since 1973.

7 MR. IRWIN: Has your assessment of--has
8 the confidence that you have in scheduling projects for
9 the next five years--that projects will be undertaken
10 within a couple of months of the time printed in the
11 schedule, has that been uniformly the case with projects
12 which were undertaken since, say, this system came into
13 effect in the early 1970's?

14 MR. BEACH: That is hard to say. I have
15 been in this position three years this July. I don't
16 know the track record as well, perhaps, in Nassau and
17 Suffolk.

18 It has been my experience that once a
19 project is on here and the support continues from the
20 local level, that project will be implemented.

21 As I said earlier, a lot of times
22 controversy or environmental studies may delay a
23 project, but it will eventually be implemented.
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2 MR. IRWIN: Have you done any kind of
3 independent review of this list? I mean, Dr. Hartgen,
4 Attachment D.

5 MR. HARTGEN: My review of it has
6 involved looking at some of the kinds of work with
7 respect to what effect they might have on capacity. I
8 have not, though, discussed with Mr. Beach possible
9 slippages in the schedule, differences in cost or
10 questions of that nature.

11 I have not reviewed it from the point of
12 view of items themselves, but only from the point of
13 view, do they represent actions which, when undertaken,
14 might have an impact on capacity?

15 MR. IRWIN: What happens when the
16 estimated cost of a project changes between publication
17 now and the date of commencement?

18 MR. BEACH: Several things can take place.
19 First of all, depends on the particular
20 category of funds or funds source as to what would
21 happen.

22 In many cases, we may move projects
23 around because of shortage of funds for a particular
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2 project that might have more support. That is a
3 possibility.

4 Another possibility. if we have a project
5 that is ready to go to letting and cost has gone up, we
6 may let it. Money may be borrowed from someplace else
7 in the state.

8 On occasion, if we see that a project is
9 ready to go to letting and cost has gone up, we might
10 incur a savings from another job in the same funding
11 category we can apply to that.

12 MR. IRWIN: I presume that any one of
13 these projects could be the Paul from whom Peter was
14 robbed, to be paid?

15 MR. BEACH: No, not necessarily. Depends
16 on the need of the project or the deficiency you are
17 trying to correct. Amount of support for the project.

18 We have reduced scope of projects or cut
19 limits of projects to meet target costs.

20 MR. IRWIN: So that, in short, what
21 happens, I gather, when an estimated cost changes, one
22 either has to come up with the additional money
23 somewhere else or reschedule the project, or make other
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2 familiar with what had been done in that study.

3 Just as a kind of background research for
4 my Disaster Preparedness Commission work, which
5 emphasized the Indian Point region.

6 MR. BORDENICK: In preparation for the
7 Indian Point matter?

8 MR. ALBERTIN: Pretty much.

9 MR. PALOMINO: I have a question.

10 Mr. Beach, you talked about the funding
11 of the projects before.

12 You talked about, I guess, the certainty
13 of the funding.

14 Is there anything you want to state about
15 that now?

16 MR. BEACH: Yes, I would like to clarify
17 a point.

18 That was relative to the certainty of the
19 funding in some of the categories.

20 As you may have recalled, I said that we
21 got our federal aid allocation on a five-year basis.

22 The State has the matching funds, coming
23 from the bond issue recently passed.
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2 I would like to clarify, our
3 reconditioning and preservation program, a one hundred
4 percent State program, which was based on an annual
5 allocation from the legislature passed and allocated
6 April 1st.

7 We normally only program that one or two
8 years ahead because each year's allocation is based on
9 action by the legislature.

10 MR. PALOMINO: When you were talking
11 about the uncertainty of projects and shifting around
12 and borrowing and so forth, curtailing of projects, does
13 that apply to the two-year projects?

14 MR. BEACH: It can, depending on what the
15 estimate of the bid that comes in at the time of
16 contract letting is.

17 However, the ones that are more closely
18 ready to be let, we find ways of coming up with the
19 funds to insure they do go to contract after being let.

20 Where projects have a tendency to slip,
21 those that are three, four or five years, further out,
22 where there may be more events or things that might
23 occur that could delay a project.
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LILCO, February 10, 1984

CERTIFICATE OF SERVICE

In the Matter of
LONG ISLAND LIGHTING COMPANY
(Shoreham Nuclear Power Station, Unit 1)
(Emergency Planning Proceeding) Docket No. 50-322-OL-3

I hereby certify that copies of LILCO'S MOTION TO ADMIT SUPPLEMENTAL TESTIMONY OF MATTHEW C. CORDARO, JOHN A. WEISMANTLE, EDWARD B. LIEBERMAN AND DENNIS S. MILETI IN RESPONSE TO NEW YORK STATE TESTIMONY ON PHASE II EMERGENCY PLANNING CONTENTION 65 and LILCO'S MOTION TO STRIKE PORTIONS OF NEW YORK STATE'S DIRECT TESTIMONY ON EMERGENCY PLANNING CONTENTION 65 were served this date upon the following by first-class mail, postage prepaid, or by Federal Express (as indicated by an asterisk).

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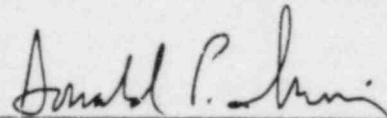
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