NJ TRANSIT State of Good Repair





NJ TRANSIT Overview

- NJ TRANSIT is the nation's second largest transit agency and the largest statewide public transit agency.
- Key Characteristics:



Over 200 bus routes serving over 17,000 stops



3 light rail lines serving 60 stations



Largest commuter rail network in the United States with 11 commuter rail lines serving 164 stations

NJ TRANSIT Overview

Unique characteristics:

- Operate in four states.
- Vast majority of subsidy is provided by the state of New Jersey, not local government.
- Annual Operating Budget: \$1.7 B
- Annual Capital Program: \$1.3 B

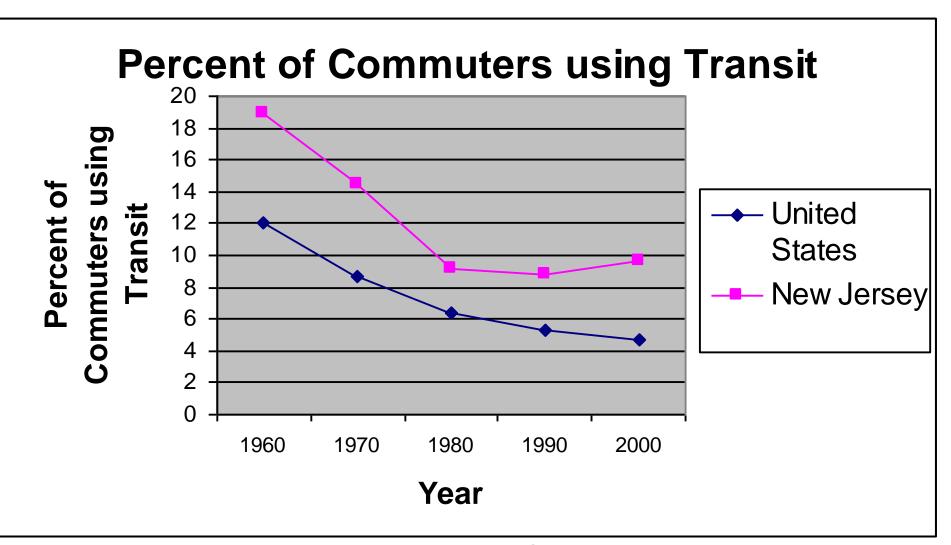
Fleet:

167 locomotives

1,137 railcars

93 light rail vehicles

3,052 buses



- According to data from the 2000 Census, the state of New Jersey has the second highest transit use of any state.
- 1 out of every 10 workers in New Jersey use transit, double the national average.

NJ TRANSIT History

1979

ORIGIN: Created by an act of the New Jersey legislature in 1979.

1980s

 INTERMODAL INTEGRATION: NJ TRANSIT's original focus was integrating the transit services inherited from predecessor railroads, bus and trolley companies.



1990s:

 LIGHT RAIL/TOD: The 1990s, a new focus on light rail projects and transit oriented development.



NEW MILLENNIUM:

STATE OF GOOD REPAIR & CAPACITY:
 NJ TRANSIT has taken a "back to basics" approach, emphasizing State of Good Repair and capacity.

STATE OF GOOD REPAIR

Step 1: Policy Prioritization

Prioritization

Capital Investment Strategy:

- Requirement of the state Transportation Trust Fund (TTF) reauthorization.
- Prioritizes:
 - 1) State of Good Repair,
 - 2) Capacity and finally,
 - 3) Expansion

NJ TRANSIT ORDERS MODERN RAIL AND BUS EQUIPMENT

Capital budget supports equipment modernization; operating budget assumes lowest growth rate in history

July 14, 2010

NEWARK, NJ — The NJ TRANSIT Board of Directors today approved new equipment acquisitions as part of the agency's Fiscal Year 2011 (FY11) capital budget and approved an operating budget that reflects the agency's commitment to operate efficiently and reliably.

The FY11 capital program targets NJ TRANSIT's most critical infrastructure and state-of-good repair needs and supports an ongoing fleet modernization program, which includes the continued procurement of more than 1,400 buses, more than 300 multilevel rail cars and more than 50 electric and dual-powered locomotives.

Rail state-of-good repair projects will be supported by \$85.5 million in the capital program, including \$37.3 million to replace track and ties and inspect and replace bridges. A total of \$11 million will advance electric traction and signal improvements, and \$5 million will fund ongoing locomotive reliability programs.

The capital program also includes \$84.9 million for bus and light rail state-of-good repair needs, including \$2 million for Newark Light Rail infrastructure improvements and \$72 million toward the purchase of new buses.

In addition, NJ TRANSIT will invest \$11 million in rail station improvements at Newark Penn Station and Ridgewood Station, as well as inspections and repairs at stations throughout the system.

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NJ TRANSIT BOARD ADOPTS OPERATING, CAPITAL BUDGETS

More bus and rail service planned; expenses curtailed July 27, 2005

NEWARK, NJ NJ TRANSIT customers can look forward to new buses and trains, as well other service improvements, thanks to a new budget approved today. The NJ TRANSIT Board of Directors adopted the \$1.41 billion Operating Budget and a \$1.15 billion Capital Program for Fiscal Year 2006 (FY06), funding the Corporation's core services and new service initiatives through June 30, 2006. Once again, the Board contained expenses and froze the level of funds transferred from the capital program.

The FY06 Operating Budget:

The operating budget's expenditures are offset by \$687.6 million in fares and other system-generated revenue, \$278.7 million in state operating assistance, \$356 million from the capital budget and \$90.7 million from other state and federal reimbursements. Excluding extraordinary surges in fuel prices and security costs, as well as continuing increases in service frequency, NJ TRANSIT has contained expense growth to 2.9 percent.

Capital Program

Recognizing the importance of maintaining the existing system in a state of good repair, the companion capital program invests \$414 million in basic track, bridge and signal improvements on the

Recognizing the importance of maintaining the existing system in a state of good repair, the companion capital program invests \$414 million in basic track, bridge and signal improvements on the railroad, as well as bus replacement and overhauls.

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Step 2: Management Tools

Step 2: Management Tools

- NJ TRANSIT initiated a series of new internal capital program management tools in 2005.
 - The new system tracks funding, project budget and prioritizes needs.
- Moved from an annual process to a real-time prioritization process.
 - Interdisciplinary
 - Transparent
 - Dynamic
 - Flexible

NJ TRANSIT Project Prioritization

Internal Project Prioritization Process

- Multiyear evaluation
- Constrained future years
- Accountability with respect to project costs
- Internal meetings three times each year by category:
 - Rail infrastructure
 - Rail rolling stock
 - Rail, Light Rail and Bus passenger facilities
 - Bus infrastructure and rolling stock
 - Technology
- Decision making pushed down to those closest to the infrastructure conditions.

NJ TRANSIT Project Prioritization Criteria

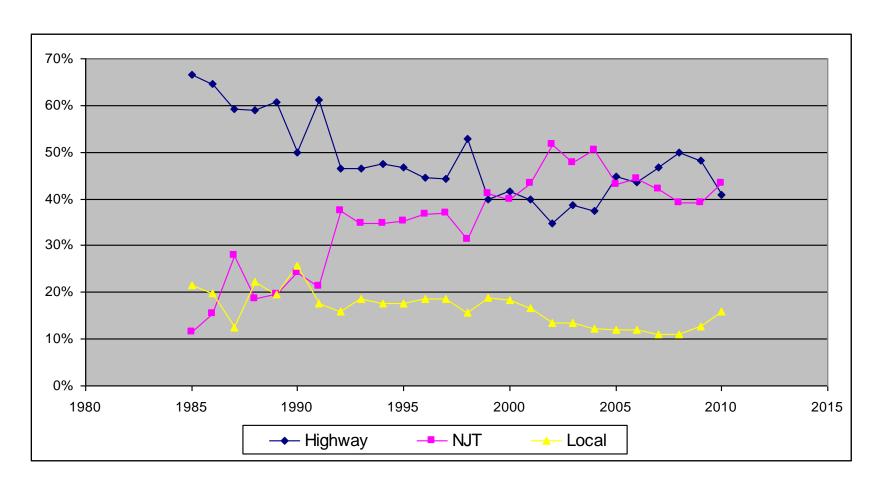
- Expansion Projects: New Starts Cost Effectiveness
- Technology: Condition, Return on Investment, State of the Art
- Rolling Stock: Procurement Efficiency, Parts Efficiency, Uniformity, Replace vs. Rehab, Technology (multi-levels, dual powers), capacity, fleet plan.
- Track: Condition inspection, technology (concrete ties), no slow orders
- Bridges: Condition inspection, capacity
- Signals: Condition, regulatory requirements, technology (ATC/PTC), capacity.

NJ TRANSIT Project Prioritization Criteria

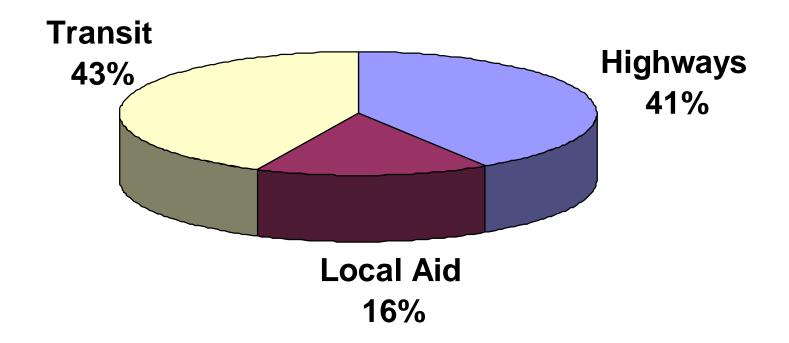
- Electric Traction: Condition, efficiency
- Yards/Maintenance Facilities: Rolling stock, technology changes, regulatory changes, deadhead efficiency, yard efficiency, real estate, fleet plan.
- Stations: Condition inspection, ADA, capacity, dedicated funding, transit oriented development
- Parking: Public Private Partnerships, capacity, transit oriented development
- Capacity Projects: Ridership estimates, cost-effectiveness, timing/coordination with other projects – i.e., if expanding fleet, need yards and parking too.
- All Projects: Bid environment.

Step 3: Funding

State Transportation Trust Fund Transit/Highway Allocation

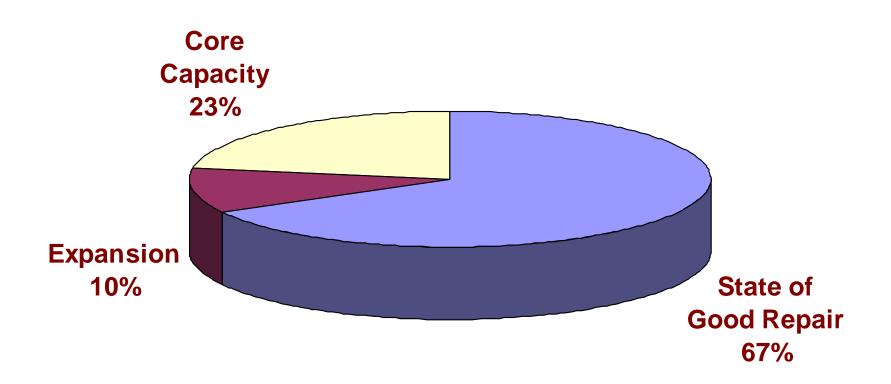


State Transportation Trust Fund Allocation



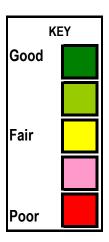
In addition to TTF funding, \$100 M+ FHWA funding is "flexed" to transit.

NJ TRANSIT Capital Program Uses



RESULTS: WHERE WE WERE WHERE WE ARE WHERE WE ARE GOING

BUS SOGR Rating Project				SOGR Rating	Projects co	Projects completed by 2020			
Element	2000	Funded FY10/Prio	r		2010	Funded FY10/Prior		Funded FY11 and Beyond	Rating 2020
Rolling Stock		Cruiser Purchase (1438) Artic Purchase (85) NABI Purchase (approx 300) Subtotal	\$ \$ \$	726 49 120 895				NABI Purchase (balance of 1145) \$ 324 Artic Replacement(85) /30 Ft (11) \$ 83 45 Foot Low Floor High Capacity \$ 70 Cruiser Replacement (Startup) \$ 446 Subtotal \$ 923	
Garages								Ongoing Program	
Terminals		Irvington Terminal Rehab Hackensack Terminal Rehab Alwood Road Park & Ride Route 23 Park & Ride	\$ \$ \$	5 3 4 21		Paterson Terminal Rehab \$	2	Ongoing Program	
Technology		Farebox Replacement	\$	32		Bus Radio Replacement \$	65	Ongoing Program	
		TOTAL	\$	947		\$	65	\$ 923	









After







LRT	SOGR Rating	Projects completed since 2	000		SOGR Rating	Projec	ts c	ompl	eted by 2020	7	>	SOGR Rating
Element	2000	Funded FY10/Prior	ا ا		2010	Funded FY10/Prior	•		Funded FY11 and Bey	ond		2020
Newark LR		LRT Replacement Newark/Washington Rehab Orange St Rehab/Bridge Vehicle Base Facility & Extension Retaining Wall (at Portal) Broad St Extension Subtotal	\$ \$ \$ \$ \$ \$ \$	80 34 8 84 7 212 425		Bloomfield Avenue Rehab	\$	6	Ongoing Program			
HBLR		System Construction	\$ 2	2,192		ARRA Danforth Interlocking HBLR 8th Street Extension	\$ \$	15 54	HBLR 8th Street Extension	\$	46	
River Line		System Construction	\$ 1	1,100		ARRA CAB Signal ARRA Pennsauken	\$ \$	24 40	Ongoing Program			
		TOTAL	\$ 3	3,717			\$	139		\$	46	

Access Link SOGR	Projects combleted since zooo >		SOGR	Projects comp	leted by 2020	> SOGR Rating
Element		rior	2010	Funded FY10/Prior	Funded FY11 and Beyond	Rating 2020
Vehicles	ARRA Vehicle Purchase	\$ 14			Ongoing Program	





RAIL SOGR Rating				>	SOGR Rating						
	2000	Funded FY10/Prior	l		2010	Funded FY10/Prior			Funded FY11 and Be	yond	Rating 2020
Track		PVL Siding Hudson/Dock Interlocking Mods Main Line Double Track Subtotal	\$ \$ \$	30 20 37 86		ARRA Enhanced Track Program	\$	22	Ongoing Program		
Signals & Communication		Automatic Train Control (ATC)	\$	90		Positive Train Control (PTC) ARRA M&E Reverse Signal Subtotal	\$ \$ \$	103 25 128	Ongoing Program		
Electric Traction		Gladstone Pole Replacement (Phase Montclair Electrification (include		22 /ard)					Ongoing Program		
Bridges/ Structures		RVL Bridges (4) Newark Draw Rehab Big Shark Approaches Clinton, Plainfield, HX Rehab Ambrose Morgan M&E Retaining Wall M&E Viaduct Broad Street Bridges (included w Lower Hack Rehab Phase 1 Navesink Secaucus Main/Bergen Connector Bergen Tunnel Rehab Subtotal	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	16 37 18 9 10 6 8 38 ion) 22 7 69 82 323		ARRA Lower Hack Rehab (Ph2)	\$	30	Portal Bridge South Additional Bridge Funding	\$ 776 \$ 50 \$ 826	

RAIL SOGR Rating	Projects completed since 200	0	SOGR Rating	Projec	ts co	omple	eted by 2020		>	SOGR Rating
Element 2000	Funded FY10/Prior	7/	2010	Funded FY10/Prior	•		Funded FY11 and Be	yond		2020
Stations/Parking	Union Station Construction/Parking Mount Arlington Construction/Parking Bay Street Construction/Parking Decl PSNY 7th Avenue Concourse Trenton Rehab Hoboken Main Waiting Room Rehab Broad Street HLP Rahab Woodbridge HLP Rehab Metropark HLP Rehab Morristown ADA Rehab/Parking Decl Madison ADA Rehab/Historic Red Bank HLP Rehab South Amboy HLP Rehab S Orange/Brick Chch Rehab (incl w/ V Paterson HLP Rehab Towaco Rehab/Parking ARRA Edison Parking Plauderville HLP Parking North Hackensack Parking Hamilton Parking Deck Clifton Parking Hazlet HLP Plainfield HLP Newark Penn Raymond Concourse Watsessing Rehab	\$ 122 \$ 26 \$ 15 \$ 6 \$ 147 \$ 82 \$ 10 \$ 83 \$ 19 \$ 47 \$ 37 \$ 55 \$ 53		ARRA Newark Penn Plaza West ARRA Plauderville Rehab Ridgewood Rehab Somerville Rehab Hoboken Ferry Slips Rutherford Restoration Subtotal	\$ \$ \$ \$ \$ \$ \$	15 16 17 27 119 4 198	Newark Penn Station Platforms ARC Parking Program Ridgewood Rehab Subtotal	\$ \$ \$ \$ \$ \$	30 71 17 118	

RAIL	SOGR Rating	Projects completed since 200	00	SOGR Rating	Project	s comple	eted by 2020	1000	SOGR Rating
Element	2000	Funded FY10/Prior		2010	Funded FY10/Prior		Funded FY11 and Beyo	ond	2020
Rolling Stock		Comet II Rehab (160) Comet V Purchase (265) ALP 46 Purchase (29) PL 42 AC Purchase (33) MLV Purchase(234)(Comet I retired) Subtotal	\$ 124 \$ 418 \$ 237 \$ 219 \$ 892 \$ 1,890		ALP 46 Purchase (27) Dual Power Purchase (26) Subtotal	\$ 345 \$ 491 \$ 836	MLV Purchase (100) (ARC) Dual Power Purchase (10) (ARC) Dual Power Purchase (33) EMU Purchase (236) ALP46 Purchase (9) Subtotal	\$ 300 \$ 100 \$ 550 \$ 1,970 \$ 76 \$ 2,996	
Maintenance Facilities/Yards		MMC Expansion/S&I/Wheel True MMC Droptable Hoboken Wheel True Bay Head Pedestal Track Dover Pedestal Track Great Notch Yard/Pedestal Track Morrisville Yard Construction Morrisville Expansion/S&I/Pedestal Hoboken Yard B/Pedestal Track Subtotal	\$ 119 \$ 26 \$ 22 \$ 17 \$ 11 \$ 73 \$ 80 \$ 123 \$ 46 \$ 516				Outyear Yard Projects	\$ 464	
-		TOTAL	\$ 4,233			\$ 1,214		\$ 4,404	













RESULTS

RESULTS

 "NJT operations may be characterized as efficient and effective.... The system is in a state of good repair, with good on-time performance and no slow zones in the entire rail network."

Federal Transit Administration
 Financial Capacity Report of New Jersey Transit
 May 7, 2009

LESSONS LEARNED

Lessons Learned

Priorities:

It starts at the top

Management Tools:

You can be your own consultant

Process:

Be dynamic

Give unto FTA that which is best federal

Prioritization should recognize that capital projects are interconnected

Approach:

Push decision making down to those closest to conditions on the ground

QUESTIONS?