

CENTRAL NEW JERSEY ROUTE



Bus Rapid Transit
BRT



Central Jersey Transportation Forum

March 2007

Current Activities

Feasibility Analysis of BRT on Dinky Right of Way from Princeton Station to Alexander Rd. in West Windsor (west of Rt. 1)

- *Study spurred by Princeton University's on-going planning effort for a new arts district.*
- *Analysis in coordination with municipalities, Princeton University, and other public agencies.*
- *Continue Dinky service and add BRT service to Princeton and the surrounding area.*
- *Evaluate potential for:*
 - Busway parallel to the Dinky track***
 - BRT station adjacent to Princeton Station***

Current Activities

Feasibility Analysis of BRT on Dinky Right of Way from Princeton Station to Alexander Rd. in West Windsor (west of Rt. 1)

- *Study is a first step to identify constraints and design alternatives, including:*

Environmental review: lake, D&R Canal, wetlands.

Historic review: buildings, structures, archeological.

Design and Engineering options

Coordination with potential east-west bike / pedestrian route

Scheduled for completion in Spring 2007

Current Activities

Coordination with Princeton Junction
Redevelopment Plan

Coordination with NJDOT on Replacement of
Rt. 1 Millstone River Bridge

- *BRT would utilize shoulder lanes*

Review Connections to Development in
Vicinity:

- *Proposed Princeton Medical Center relocation to FMC site*
- *Sarnoff site development*

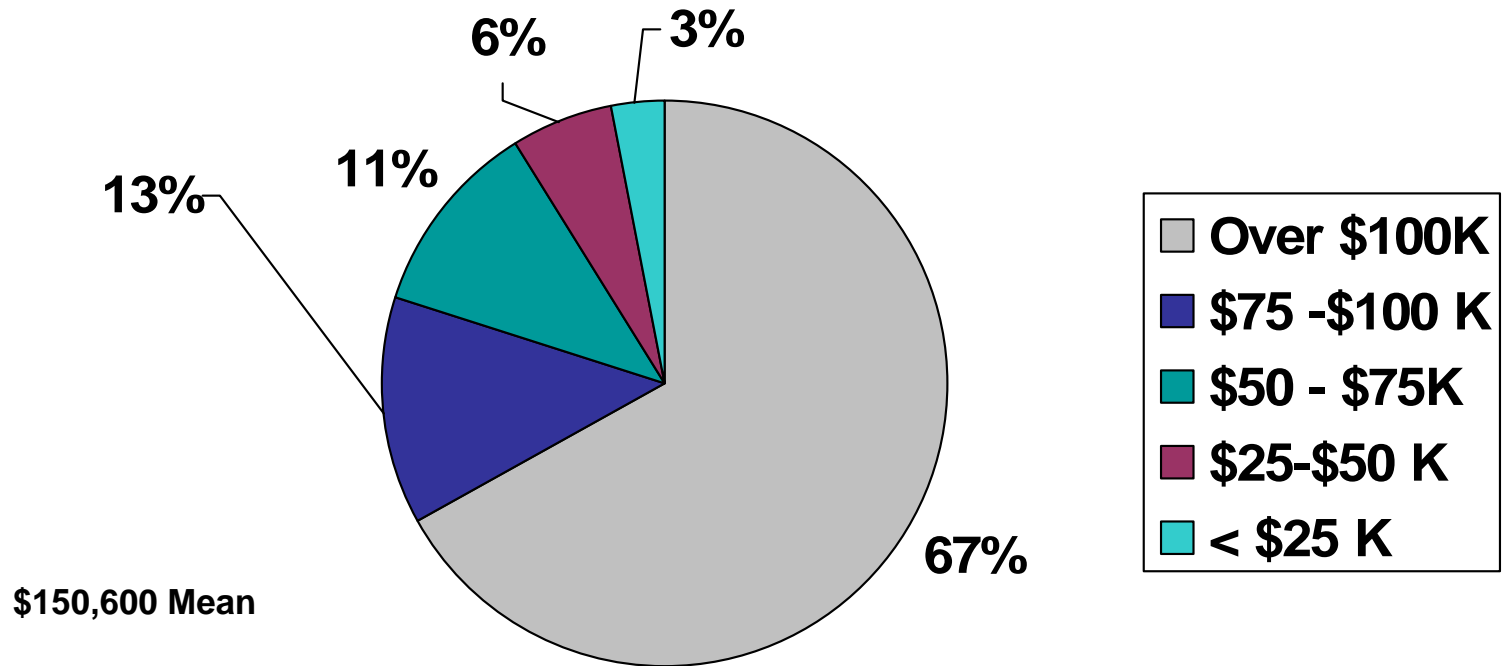
Current Activities

BRT Configuration Analysis for Quaker Bridge Mall area

- *Coordinate with expansion proposed to Lawrence Township by Simon Group*
- *Identify convenient Passenger Station location to serve existing service and future BRT*
- *Define BRT alignment through Mall property*
- *Workshop meeting convened*
 - BRT option under review by Simon*
- *Define BRT routing in Mall vicinity*

Current Activities - Demographics Analysis

Actual Income Distribution of Princeton Junction Rail Riders from Region (2005 HH Income, NJT Survey)



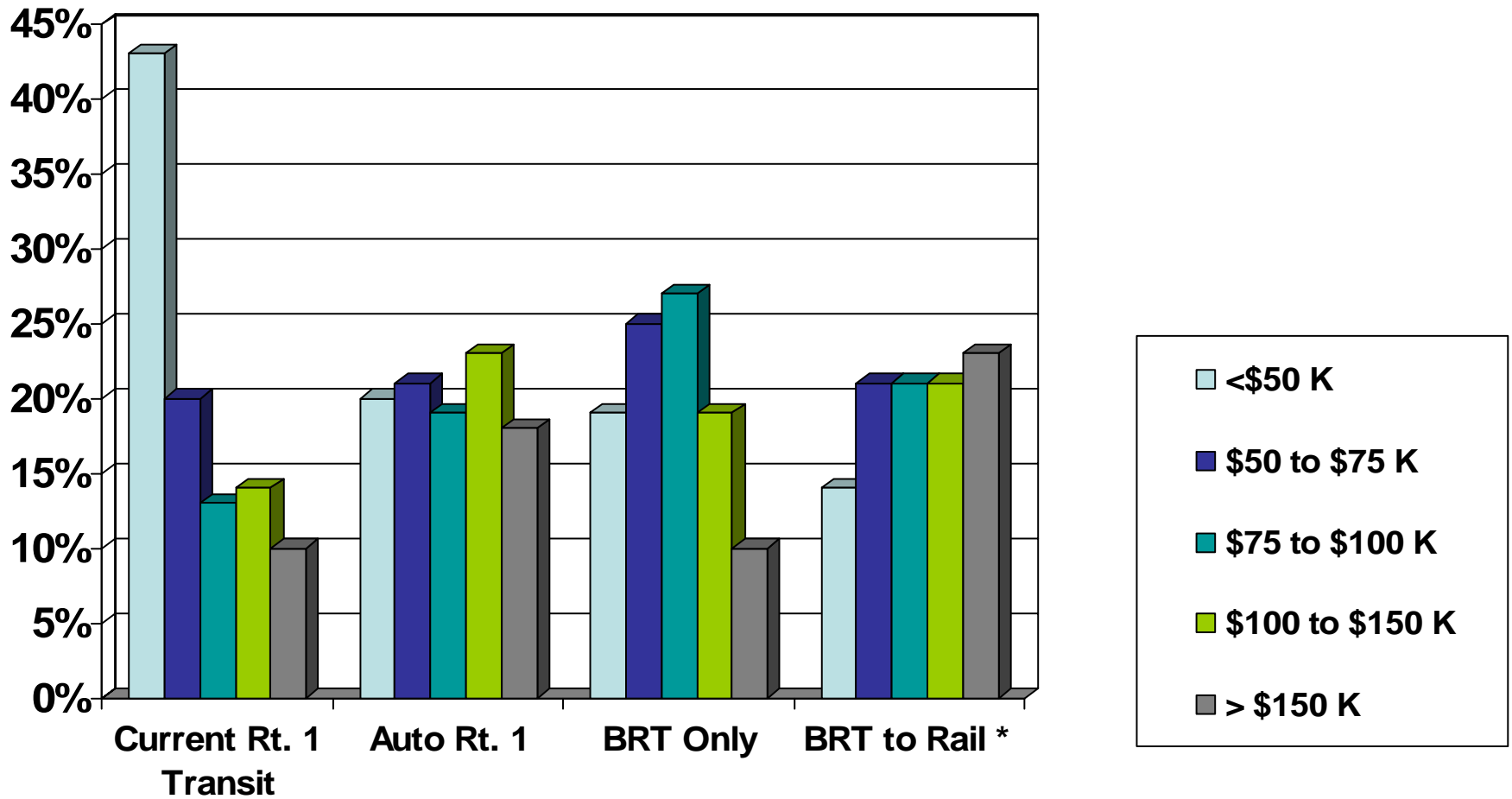
Current Activities - Demographics Analysis

Route 1 Corridor At-Site Workers: 2000 Household Income (Lawrence to Plainsboro)

	All Route 1 Workers	Route 1 Workers: Drive Alone (SOV)	Route 1 Workers: Transit Riders (Bus & Rail)
Less Than \$25,000	5%	4%	17%
\$25,000 - \$49,999	15%	15%	25%
\$50,000 - \$74,999	21%	21%	20%
\$75,000 - \$99,999	19%	19%	13%
\$100,000 or more	40%	41%	24%
Mean Income	\$93,344	\$95,190	\$70,190
Median Income	\$88,000	\$89,500	\$60,000

Current Activities - Demographics Analysis

Income of BRT Riders Compared to Current Distribution of Transit & Auto Users



Current Activities

Market Research Work this Spring

- *Survey of bus passengers on NJ TRANSIT Mercer routes: 600, 603, 605, 606*
- *Survey will establish travel patterns, transfers to other modes, time of travel*
- *Conduct focus groups to establish attribute preferences of drivers and transit riders regarding BRT characteristics*

Current Activities

Market Research Work this Spring

- *Conduct four focus groups with potential BRT Route 1 users:*
 - *Bus Customers – Existing local bus customers*
 - *Auto Commuters – Employees of Route 1 employers*
 - *Rail Customers – Princeton Junction rail riders*
 - *Princeton University – Students and employees of the University*
- *Identify rank order factors that are important among potential BRT users*
- *Explore all major elements of BRT*

Current Activities

Develop Additional Ridership Estimates as Part of FY 2008 work program:

- *Short-Term: 2010 & 2015*
- *Update Benefit Estimates: traffic relief & travel time savings for 2010 & 2015*
- *Evaluate short term potential for new, expanded bus services that would utilize selected alignment segments*
- *Evaluate and select alignment segments for advancement based upon ridership and benefits*

Anticipated Work Items in FY 2008

Conceptual Engineering, Right of Way and Service Studies During FY 2008 (July 2007 to June 2008)

- *Obtain current aerial photography*
- *Develop design criteria and typical plans and sections for alignment*
- *For selected segments define horizontal and vertical alignment, cross sections and rights of way*
- *Using demand forecasts (for year 2010 & 2015) and alignment information, propose locations for BRT stations and park and rides*
- *Perform bus service planning*
- *Coordinate with stakeholders, including municipalities, counties and developers to locate BRT rights of way on official maps*
- *Work to preserve alignments and station locations*
- *Maintain project website*



Thank You