

Washington Metropolitan Area Transit Authority

Increasing Bicycle Access to Metrorail

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About Metro



Metro Service Area: 1,500 square miles 3.9 million population

Rail:

- -86 stations
- -106 miles of track
- -Avg weekday 750,000 trips

Bus:

- -1,500 buses
- -Avg weekday 450,000 trips

Paratransit

->8,000 trips/day



Bicycle Facilities & Policies

Facilities

Bus

Racks on buses (holds 2 bikes)

Rail

- 2,000+ racks (inverted Us)
- 1200+ lockers
- (New) Bike & Ride secure group parking

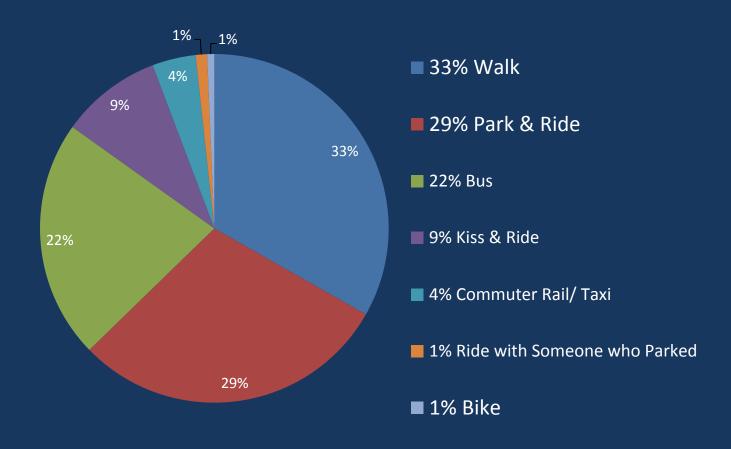
Policies

- Bikes can ride rail at most times, except rush hour
- Folding bikes can ride rail at any time, must be folded and encased during rush
- Bikes use elevators in Rail stations



Existing Mode of Access to Metrorail

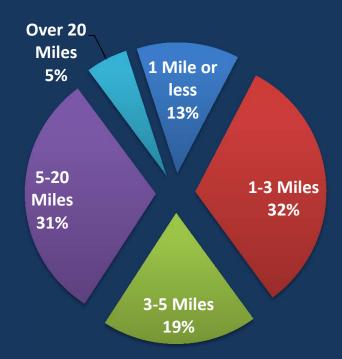
Metrorail AM Peak Arrivals – 250,000





Distance to Station for Parking Customers

Parking Customers' Driving Distance to Parking Facilities

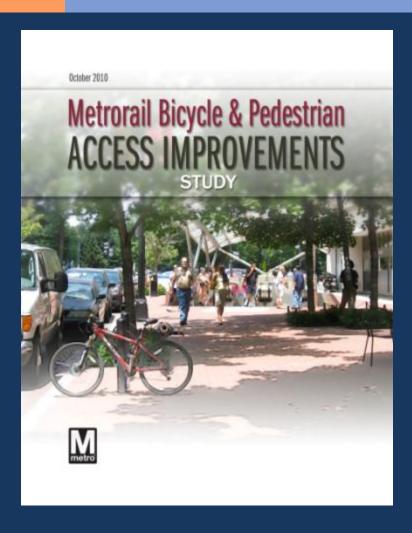


2007 Rail Passenger Survey, AM Peak.

Total: 44,273 customers



Develop Master Plan



- Holistic look at Authority-wide activities related to bicycle & pedestrian access
- Bike Security top concern of riders
- Resulted in almost 100 recommendations in 10 categories for Metro and partners
- Implementation recommendations for the near, short and long-term.
- Study available on Metro's website

Establish Bicycle Ridership Goals

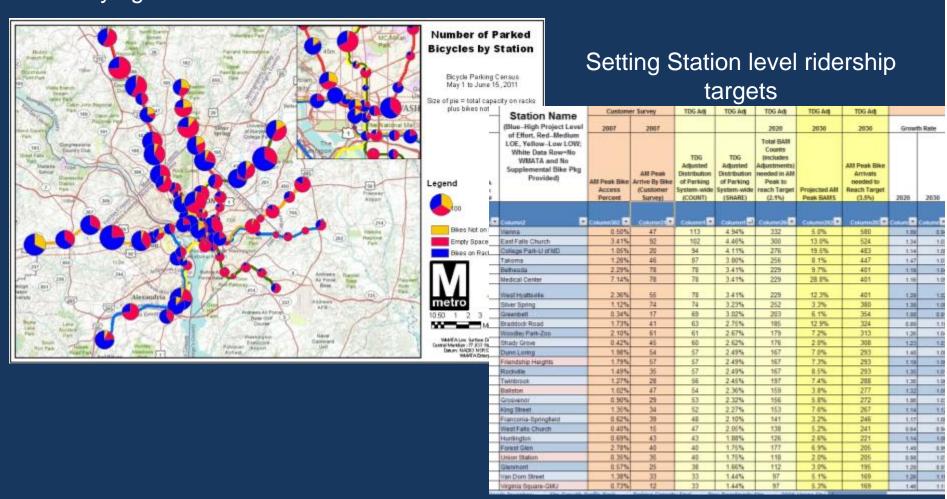
Triple by 2020 and Quintuple by 2030

	2007	2020	2030
Mode Share	.7%	2.1%	3.5%
Est. No. of Riders (AM peak)	1,600	7,000	12,000



Analyze Data

Identifying demand





Identify Capital Needs



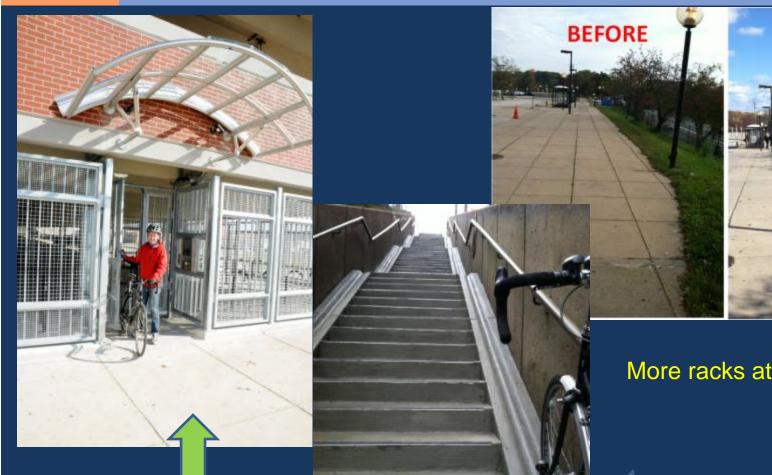


Prioritize Projects & Develop CIP

Recommendation types that need to be prioritized	Prioritization Considerations	Percent of Total Need Funded	Estimated Dollars to be Allocated
Add lighting at existing bike parking locations	Bike theft and vandalism rates, station crime statistics, Transit Survey comments, site specific factors.		\$300,000
Provide wayfinding signs	Severity of need, Transit Survey comments, site specific factors, coordination with local partners, equitable distribution among jurisdictions.		\$125,000
Add racks with freestanding and cantilevered covers	Locations where no other covered options are available, total volume of existing and projected need; equitable distribution among jurisdictions.		\$475,000
On-demand lockers (see Pilot Program on page 17 for initial investment)	Bike theft and vandalism rates, station crime statistics, high turnover potential, equitable distribution among jurisdictions.		\$125,000
Bike & Ride Centers	High demand stations, high security needs due to bike theft and vandalism rates, Transit Survey comments.	25%	\$1,600,000
Off-site bike lanes	Severity of need, routes leading directly to high capacity parking locations, total volume of existing and projected need, presence of a local partner.		\$250,000
Construct new and widen existing sidewalks and paths	Location on or off WMATA property, priority rating: High, level of difficulty rating: Low, severity of need, potential volume of customers served.	42%	\$1,750,000
Curb ramps	Location on or off WMATA property, relationship to larger pathway improvement needs, severity of the problem, potential impacts on customers with physical disabilities.		\$500,000
Curb extensions and crossing islands	Location on WMATA property, coordination with WMATA Bus and Parking divisions and local transportation agency.	98%	\$250,000
Total Cost			\$5.375 million



Implement Projects



More racks at Vienna

AFTER

College Park Bike & Ride

Bike channel at RI Ave



Coordination with Local Jurisdictions

- Integrating Bike Share stations with Metro
- Met Branch Trail & RI Ave Pedestrian Bridge Coordination
- Joint development/Adjacent Construction review

WMATA MBT Easement







Bikesharing & Transit – the 'Why'

- #1 Addresses 1st
 mile/last mile problem
- Potential for core capacity relief during peak periods
- Emergency /Incident alternative
- Bike safety & security







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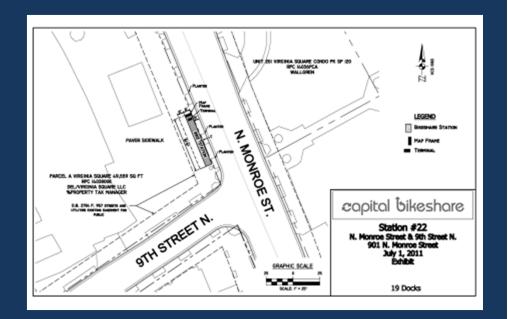






Bikesharing & Transit – the 'How'

- Space allocations/considerations & Agency review
- Property ownership matters
- Developing agreements for: right of entry, maintenance, insurance & liability





Thank you!

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