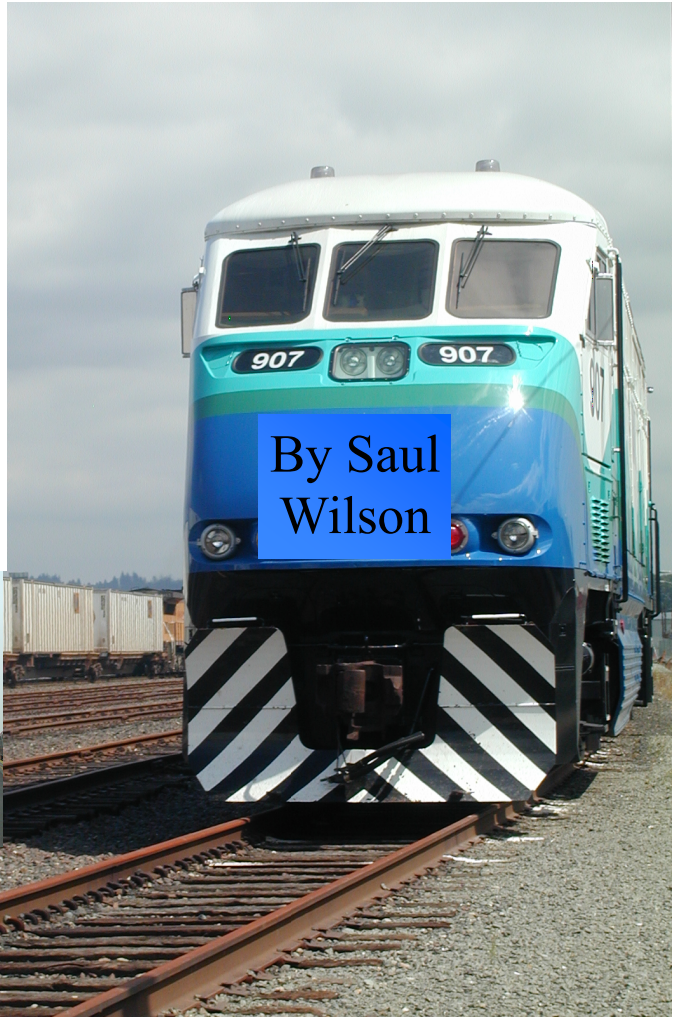


A Dictionary of

US Rail Transit

By Saul
Wilson



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Illinois
Indiana
Iowa
Kansas
Kentucky
Louisiana
Maine
Maryland
Massachusetts
Michigan
Minnesota
Mississippi
Missouri
Montana
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oklahoma
Oregon
Pennsylvania
Rohde Island
South Carolina
South Dakota
Tennessee
Texas
Utah
Vermont
Virginia
Washington
West Virginia
Wisconsin
Wyoming

Existing

Commuter Rail

Altamont Commuter Express (ACE)

ACE runs from Stockton to San Jose. ACE started operating on October 19, 1998. Today ACE runs three round trips connecting Stockton and San Jose. The current funding level for ACE is \$ million for operations and about \$ million for capital.

The Future

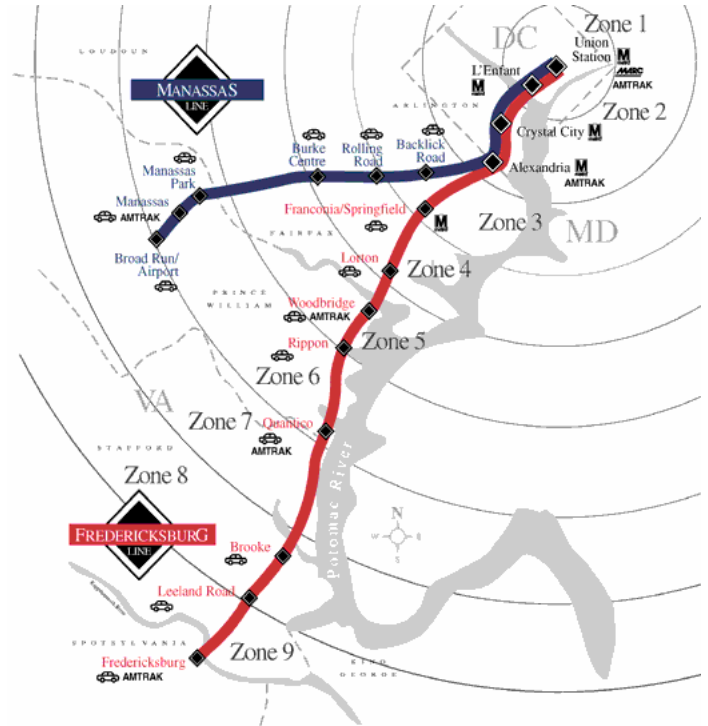
Other area transit systems:

BART p.38

MUNI p.59

VTA p.62

Caltrain p.9



The VRE route map. [VRE Website](#)

Quantity:	Car Type:
9	Bombardier Bi-Level Cabs
11	Bombardier Bi-Level Cars

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



A RP40-2C in Crystal City. *Saul Wilson*

Caltrain



The Peninsula Corridor Joint Powers Board (PCJPB) runs Caltrain. The route between San Jose and San Francisco was opened January 16, 1864. On July 1, 1992 commuter rail service was extended to Gilroy. In September 2000 Caltrain started running trains every half hour on weekdays. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

Since July 6, 2002 Caltrain has not been operating on weekends because of the Baby Bullet project. The project includes installing new signals, high-speed crossovers, and additional express tracks to speed up operations. Some grade crossings will also be eliminated. Bombardier double-decker trains have been bought from Sounder (see Sounder p.22). Six Baby Bullet (MP36PH-3C) engines are on order from MotivePower Industries. Baby Bullet train cars have already entered service but Express service will not start until-2004.

Caltrain is studying electrification of the line between San Francisco and Gilroy.

Other area transit systems:

- BART p.38
- MUNI p.59
- VTA p.62
- ACE p.8



The Caltrain route map. *CalTrain Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



A Caltrain train at San Jose Diridon. *Saul Wilson*

Coast Express Rail (Coaster)



North County Transit District (NCTD) operates Coaster connecting San Diego to Oceanside. Coaster started operating in February, 1995. Coaster runs 11 round trips on weekdays and 4 round trips on Saturdays (two extra round trips are provided on Friday). The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

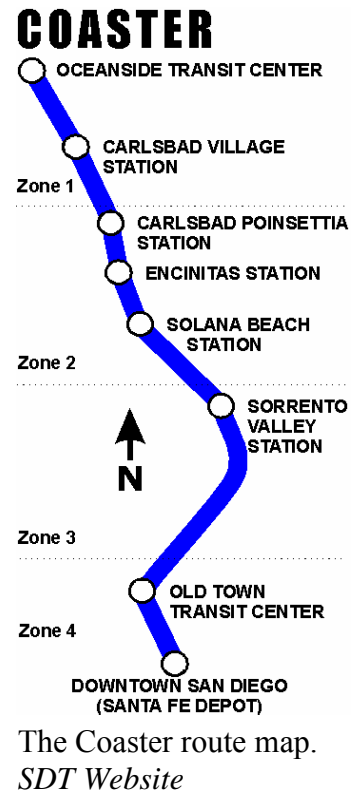
Service should begin in 2005 on the Oceanside - Escondido Light-Rail line. The route will be run with DMUs.

Other area transit systems:

Metrolink p.15

SDT p.59

LACMTA p.30



Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



Long Island Rail Road

The Long Island Rail Road (LIRR) has been operating since 1836, making it the longest operating railroad with the same name as when it started operations. The LIRR was chartered by New York State on April 24, 1834. On September 8, 1910 Penn Station and the East River Tunnels began operation. Today LIRR runs 11 routes and 750 trains a day. The current funding level for LIRR is \$ for operations and \$ for capital.



The Future

It is planned that the East Side Project will extend LIRR under New York to Grand Central from Penn Station and it is expected to open in 2012. In 2003 the Port Authority's Air Train is scheduled to open, connecting JFK Airport and Jamaica Station. LIRR also has 678 M-7 EMUs on order.

Other area transit systems:

- SIR p.40
- MNRR p.17
- NYCT p.35
- NJT p.18
- RIAT p.69



The LIRR route map. *LIRR Website*

Quantity:	Car or Diesel Engine Type:
134	Kawasaki Bi-Level Passenger Car
46	DE-30 and DM-30 Engines (EMD)
Quantity:	EMU Type:
900	M-1 (Budd and GE) and M3 (Budd)
678	M-7 (on order from Bombardier)



12 A LIRR diesel train at Jamaica Station. *Saul Wil-*

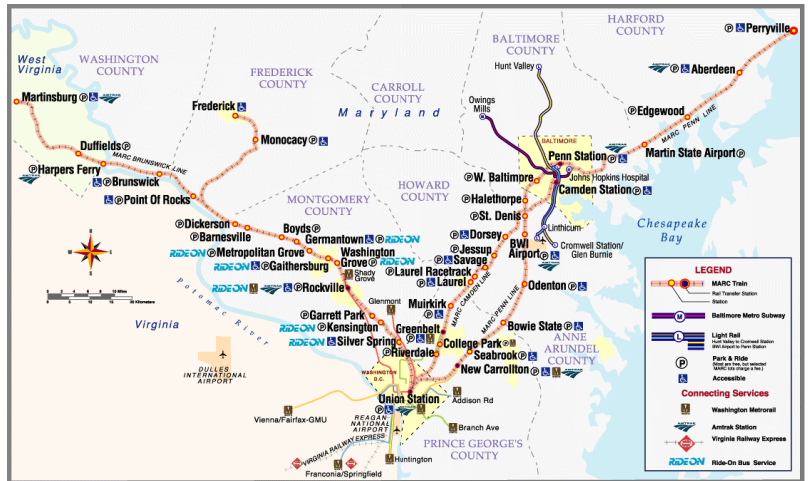
MARC

MTA Maryland operates MARC

Other area transit systems:

MTA Maryland (Subway/Light-Rail) p.31

VRE p.26



The MARC system map. *MTA Maryland Website*



A MARC diesel train. *Saul Wilson*

Quantity	

Massachusetts Bay Transportation Authority (MBTA)

MBTA runs 13 lines out of the North and South stations. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line daily. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

A commuter rail line connecting Greenbush to South Station could enter service on June 30, 2005. Limited track space at South Station and shortage of trains are limiting expansion of the system.

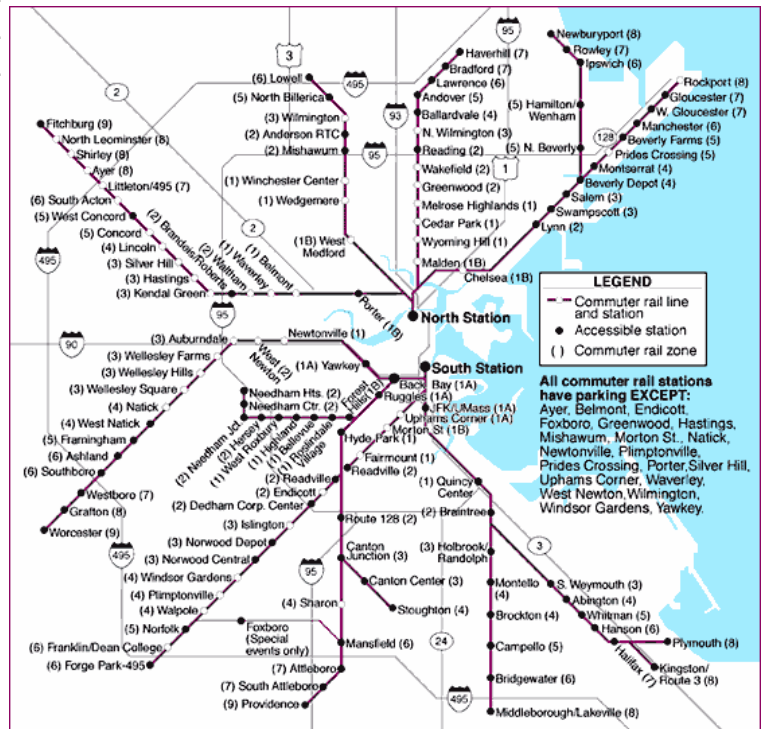
In fall 2005 the North Station Superstation should open allowing underground transferring from the Green/Orange Lines to Commuter Rail.

There is a plan to extend the Stoughton Line to New Bedford and Fall River. Service would begin in late 2005 with eight round trips to New Bedford and eight to Fall River.

The North-South Rail Link would connect the South and North Stations with a electrified tunnel possible opening in 2010.

Other area transit systems:

MBTA (Subway/Light-Rail) p.32



The MBTA Commuter Rail route map. *MBTA Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



Metrolink



Metrolink runs seven routes, connecting Los Angeles to its surrounding counties. In 1992 Metrolink started operating the Ventura, Santa Clarita, and San Bernardino Lines. Since then Metrolink has grown remarkably fast, adding four more routes. Metrolink is quite unusual because it runs both weekend and weekday service on three of its lines. The current budget for Metrolink is \$91.7 million for operations and \$114.1 million for capital.

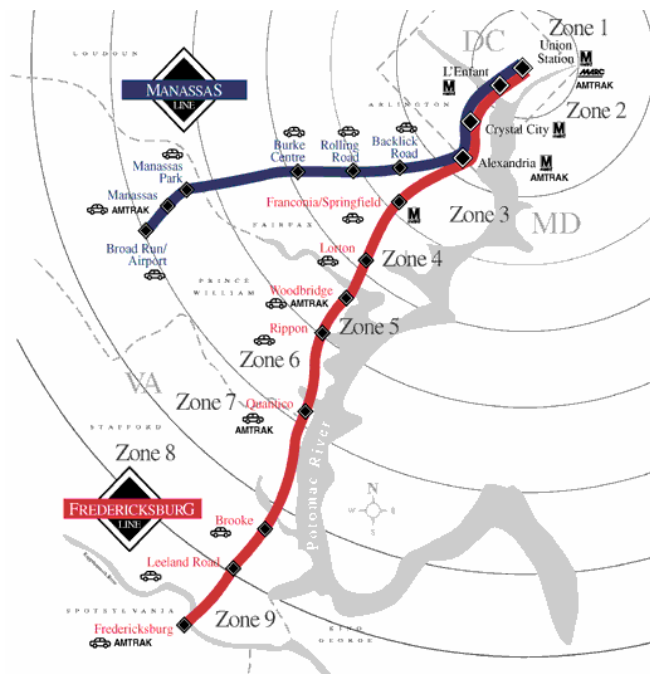
The Future

Other area transit systems:

LAMTA p.30

Coaster p.11

SDT p.59



The VRE route map. [VRE Website](#)

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



A RP40-2C in Crystal City. *Saul Wilson*

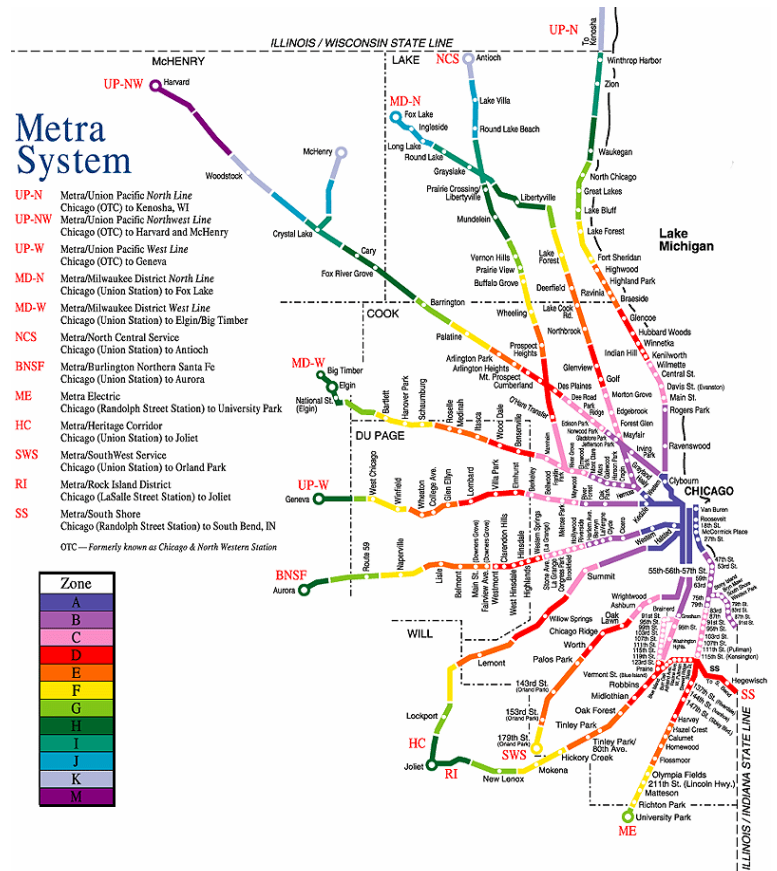
Northeast Illinois Regional Commuter Railroad Corporation (NIRCRC) or Metropolitan Rail (Metra)

Metra runs 11 lines spiking out of Chicago to Wisconsin and other parts Illinois.



The Future

Other area transit systems:
NICTD p.19
CTA p.28



The Metra route map. *Metra Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



16 A RP40-2C in Crystal City. *Saul Wilson*

Metro-North Railroad (MNR)



MNR is a subsidiary of Metropolitan Transportation Authority (MTA) and operates in New Jersey, New York, and Connecticut. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

Other area transit systems:

SIR p.40

LIRR p.12

NYCT p.35

NJT p.18

SLE p.21



The MNR route map. *MNR Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



17 A RP40-2C in Crystal City. *Saul Wilson*

New Jersey Transit (NJT)



Other area transit systems:

- MNRR p.
- LIRR p.
- SIR p.
- NYCT p.



The New Jersey Transit (NJT) Commuter rail system map. *NJT Website*

Quantity	

Quantity	



A NJT train at Hoboken terminal. *Saul Wilson*

Northern Indiana Commuter Transportation District (NICTD) or South Shore Line



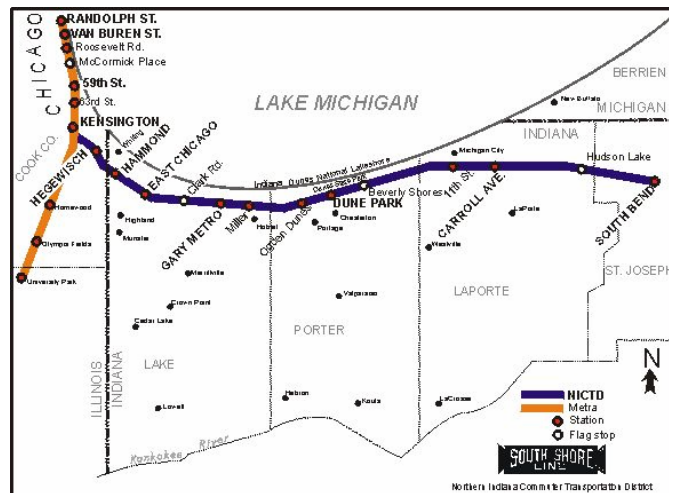
Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

Other area transit systems:

Metra p.16

CTA p.28



The South Shore Line route map. *NICTD Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



19

A RP40-2C in Crystal City. *Saul Wilson*

On Track



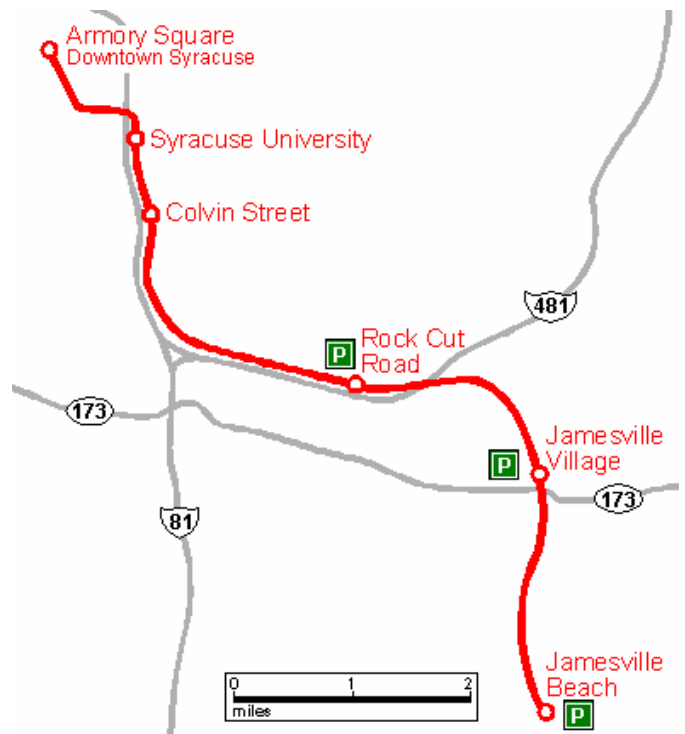
Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

Other area transit systems:

MARC p.

Metro p.



The On Track route map. *On Track Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



Shore Line East (SLE)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

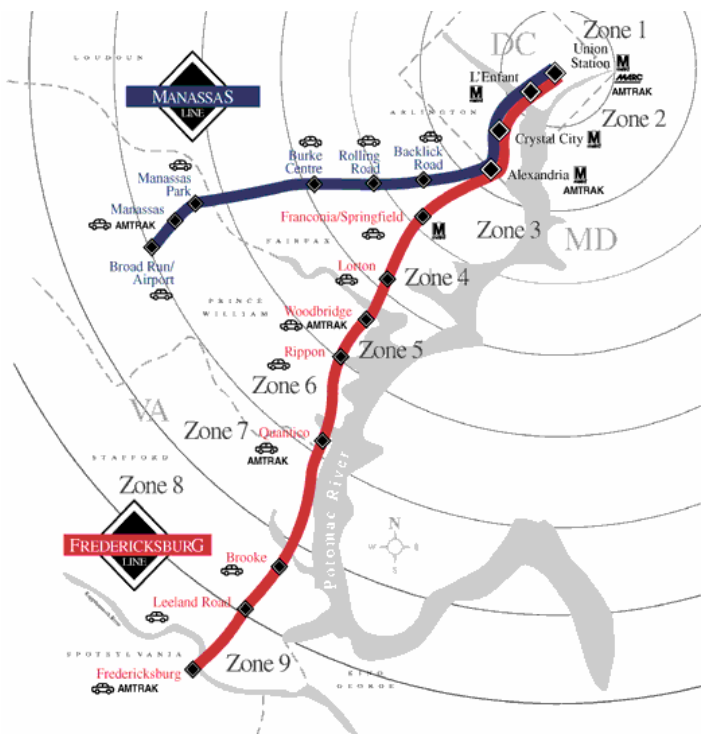
The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

Since the 9 cent sales tax did not pass VRE has been scrounging for 100 million dollars for new passenger cars. Using different funds VRE is considering buying some new engines too. VRE has a goal to add 2 round trips to each route by 2010.

In an interview, Dick Cataldi of VRE mentioned that they need more parking spaces at their train stations and more storage space in Washington, DC for their trains. He also said it is not likely that MARC of MTA Maryland or VRE will run trains directly from Maryland to Virginia.

Other area transit systems:
MNRR p.17



The VRE route map. *VRE Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



Sound Transit (ST) or Sounder



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

Since the Ω cent sales tax did not pass VRE has been scrounging for 100 million dollars for new passenger cars. Using different funds VRE is considering buying some new engines too. VRE has a goal to add 2 round trips to each route by 2010.

In an interview, Dick Cataldi of VRE mentioned that they need more parking spaces at their train stations and more storage space in Washington, DC for their trains. He also said it is not likely that MARC of MTA Maryland or VRE will run trains directly from Maryland to Virginia.

Other area transit systems:

MARC p.

Metro p.



The Sounder route map.
Sounder Website

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



A Sounder Train in Tacoma. *Saul Wilson*

Southeastern Pennsylvania Transportation Agency (SEPTA)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

Since the 3 cent sales tax did not pass VRE has been scrounging for 100 million dollars for new passenger cars. Using different funds VRE is considering buying some new engines too. VRE has a goal to add 2 round trips to each route by 2010.

In an interview, Dick Cataldi of VRE mentioned that they need more parking spaces at their train stations and more storage space in Washington, DC for their trains. He also said it is not likely that MARC of MTA Maryland or VRE will run trains directly from Maryland to Virginia.

Other area transit systems:
MARC p.



Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)

The SEPTA route map. *SEPTA Website*



23 A RP40-2C in Crystal City. *Saul Wilson*

Trinity Railway Express (TRE)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

Since the Ω cent sales tax did not pass VRE has been scrounging for 100 million dollars for new passenger cars. Using different funds VRE is considering buying some new engines too. VRE has a goal to add 2 round trips to each route by 2010.

In an interview, Dick Cataldi of VRE mentioned that they need more parking spaces at their train stations and more storage space in Washington, DC for their trains. He also said it is not likely that MARC of MTA Maryland or VRE will run trains directly from Maryland to Virginia.

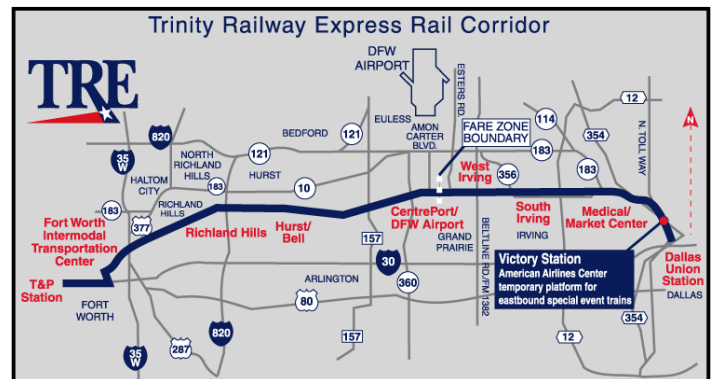
Other area transit systems:

MARC p.

Metro p.

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



The TRE route map. *TRE Website*



24 A TRE train. *TRE Website*

Tri-Rail (TR)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

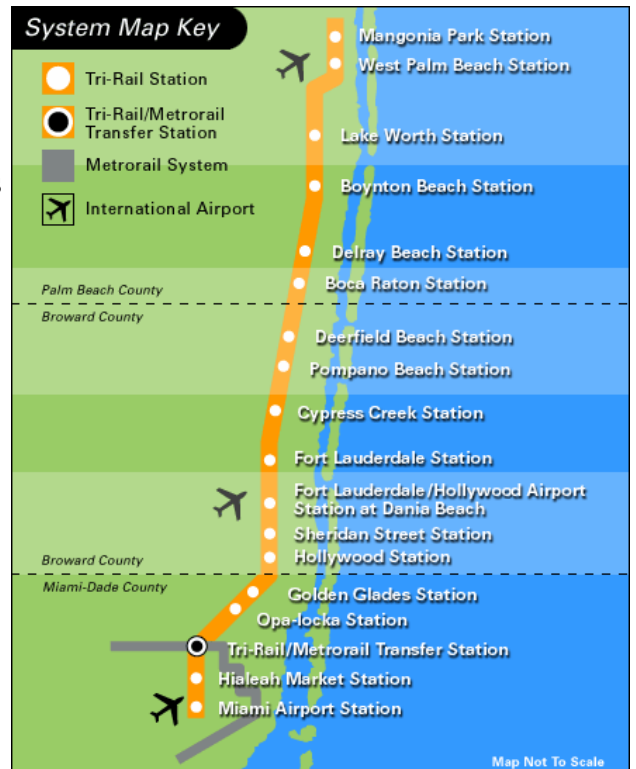
Since the 3 cent sales tax did not pass VRE has been scrounging for 100 million dollars for new passenger cars. Using different funds VRE is considering buying some new engines too. VRE has a goal to add 2 round trips to each route by 2010.

In an interview, Dick Cataldi of VRE mentioned that they need more parking spaces at their train stations and more storage space in Washington, DC for their trains. He also said it is not likely that MARC of MTA Maryland or VRE will run trains directly from Maryland to Virginia.

Other area transit systems:

MARC p.

Metro p.



The Tri-Rail route map. *Tri-Rail Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



Virginia Railway Express (VRE)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

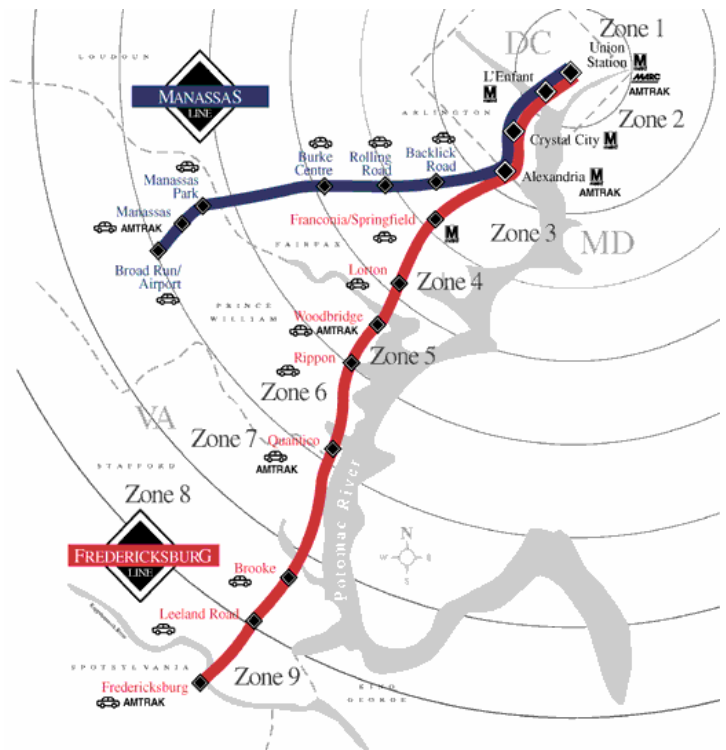
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Other area transit systems:

- MARC p.
- Metro p.



The VRE route map. *VRE Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
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26 A RP40-2C in Crystal City. *Saul Wilson*

Subways/ Heavy Rail

Chicago Transit Authority (CTA)

The Chicago Transit Authority (CTA) began operating public transportation on October 1, 1947. The CTA runs seven routes, both subways and elevated lines (els). The first elevated railroad line started operating on June 6, 1892. Subways did not start operating until 1943. The current budget for the CTA's buses and trains is \$925 million for operations and about \$539 million for capital.

The Future

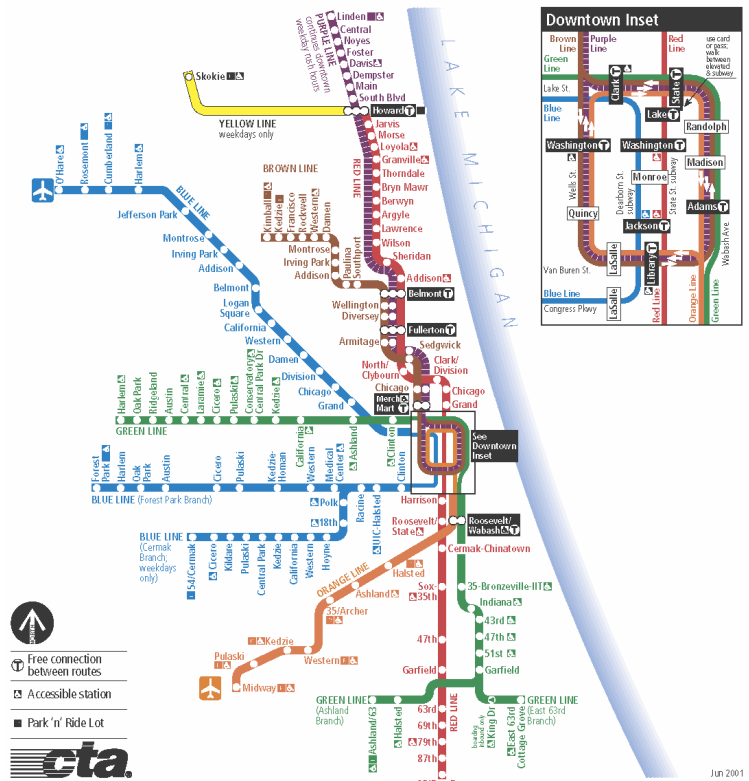
The CTA is planning to rehabilitate the Brown Line. It is also planning to extend the platforms from six to eight car capacity.

The CTA has started the iRenew project on the Cermak Branch of the Blue Line. The project will speed up travel on the Blue Line's Cermak branch by seven minutes.

Other area transit systems:

METRA p.

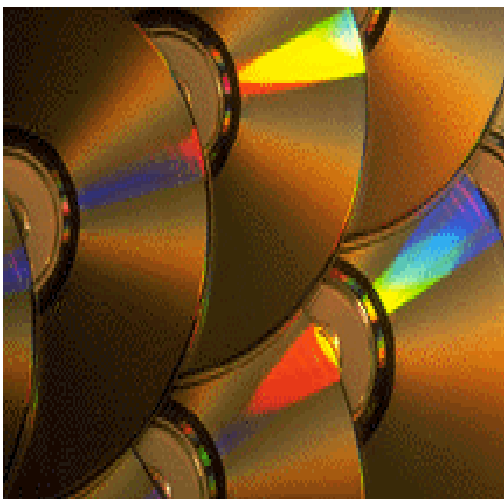
NICTD p..



The CTA route map. [CTA Website](http://www.cta.com)

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
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Caption describing picture or graphic.

Greater Cleveland Transit Authority (GCRTA)



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The Future

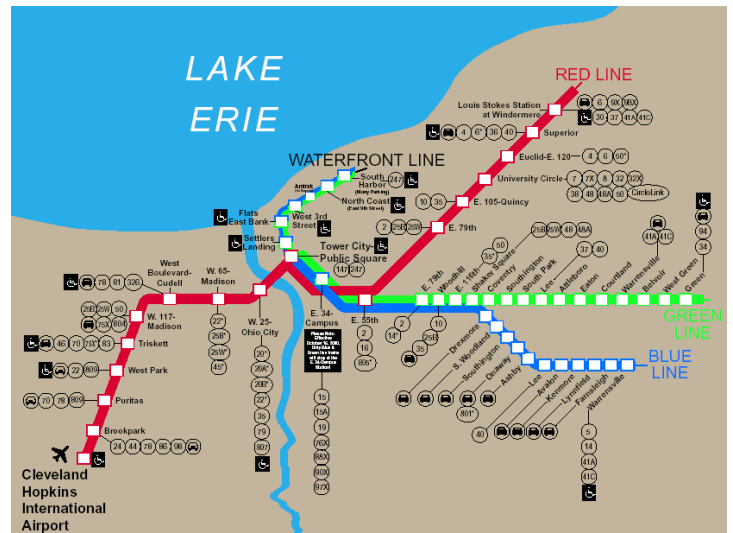
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Other area transit systems:

- MARC p.
- Metro p.



The GCRTA route map. *GCRTA Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
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29 A RP40-2C in Crystal City. *Saul Wilson*

Los Angeles County Metropolitan Transportation Authority



MetroLink runs seven routes, connecting Los Angeles to its surrounding counties. In 1992 MetroLink started operating the Ventura, Santa Clarita, and San Bernardino Lines. Since then MetroLink has grown remarkably fast, adding four more routes. MetroLink is quite unusual because it runs both weekend and weekday service on three of its lines. The current budget for MetroLink is \$91.7 million for operations and \$114.1 million for capital.

The Future

The Metro Gold Line (Light-Rail) is expected to open in 2003 connecting Pasadena to Los Angeles.

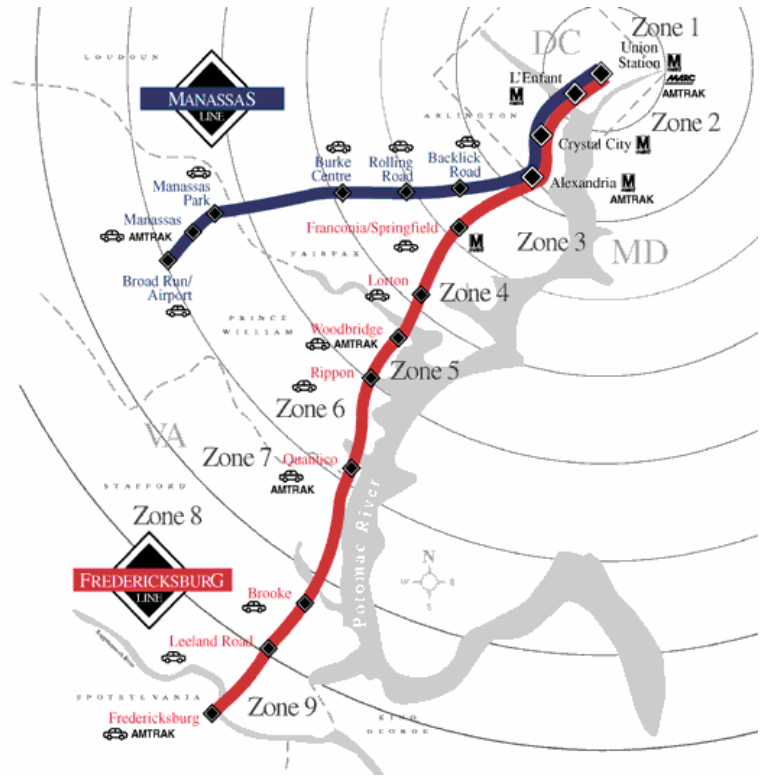
There is a possibility that the Crenshaw-Prairie Line will be run as a Light-Rail line.

Other area transit systems:

MetroLink p.15

Coaster p.11

SDT p.59



The VRE route map. *VRE Website*

Quantity:	Car Type:
10	Mafersa Cabs
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30 A RP40-2C in Crystal City. *Saul Wilson*

MTA Maryland



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The Future

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Other area transit systems:

- MARC p.
- Metro p.



The MTA Maryland route map. [MTA Maryland Website](http://www.mta.com)

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28	Mafersa Trailers
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31 A MTA Maryland LRV. *Saul Wilson*

Massachusetts Bay Transportation Authority (MBTA)

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The Future

Other area transit systems:

- MARC p.
- Metro p.



The MBTA Light Rail and Subway route map. *MBTA Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
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2	F-40 (on lease from Amtrak)
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32 A MBTA LRT. *Saul Wilson*

Metropolitan Atlanta Rapid Transit Authority (MARTA)



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The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

Since the 2 cent sales tax did not pass VRE has been scrounging for 100 million dollars for new passenger cars. Using different funds VRE is considering buying some new engines too. VRE has a goal to add 2 round trips to each route by 2010.

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The MARTA route map. *MARTA Website*



A MARTA train. *MARTA Website*

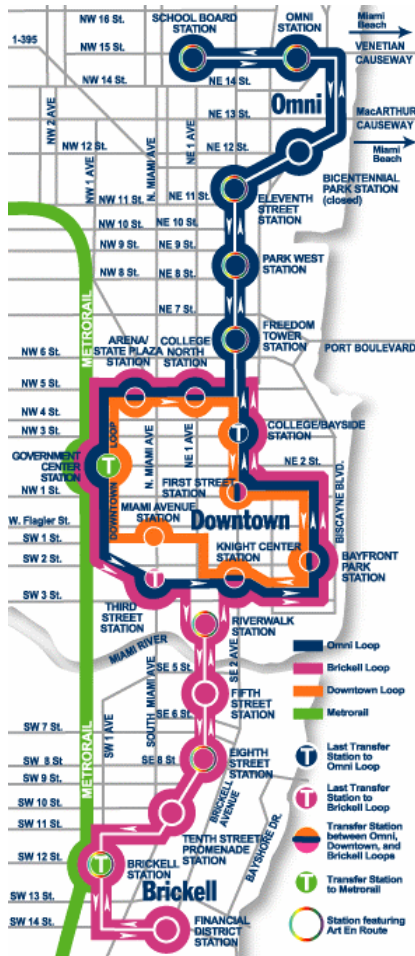
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Miami-Dade Transit (MDT)



Miami Dade Transit (MDT) runs both Metromover and Metrorail routes. Metrorail started operating in May, 1984 and Metromover on April 17, 1986. The current budget for MDT's Metrorail is \$57 million for operations and Metromover receives \$16 million for operations.



The Metromover system map. *Miami-Dade Transit Website*

The Future

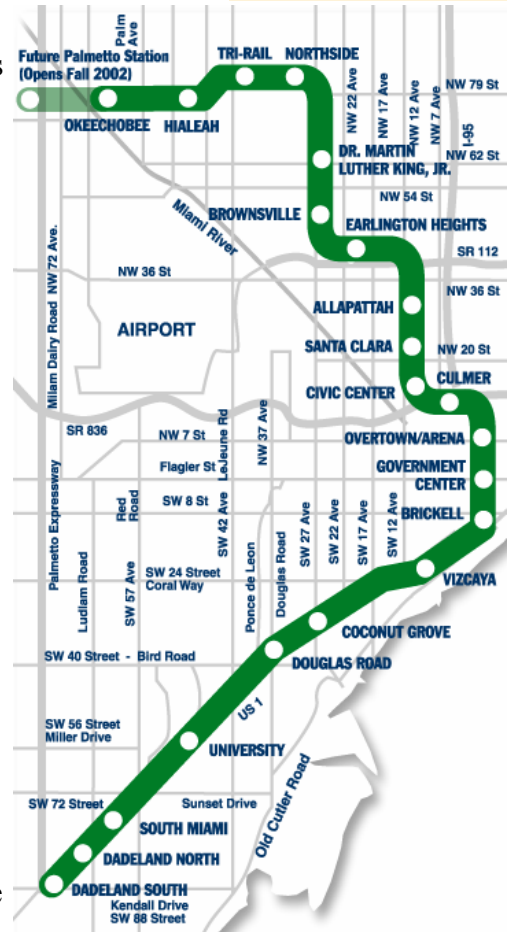
MDT is constructing a 1.4 mile extension to connect the Palmetto Expressway to the existing Okeechobee station. This extension is expected to open in 2003.

MDT is studying an extension of the people mover system to the Earlington Heights-Airport Connector from the Miami Intermodal Center (MIC). A Final Environmental Impact Statement for the Miami Beach Light Rail Project is currently being written. Since the Peoples Transportation Plan passed in the 2002 election there are many transportation plans - such as, eight proposed rapid transit lines, 24 hour service, and free Metromover service - that now have a chance at becoming a reality. Since there are too many projects to list here, for more information, please check this website:

http://www.trafficrelief.com/rapid_transit_projects.htm.

Other area transit systems:

Tri-Rail p.



The Metrorail route map. *Miami-Dade Transit Website*

Quantity:	Metromover or Metrorail car type:
136	Budd Metrorail Cars
29	Westinghouse Electric Corp. Metromover Cars



New York City Transit (NYCT) New York City Transit

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The Future

Other area transit systems:

- MARC p.
- Metro p.

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
14	Bombardier Coaches



The NYCT route map. *NYCT Website*



35 A NYCT Subway. *Saul Wilson*

Port Authority Trans Hudson (PATH)

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The Future

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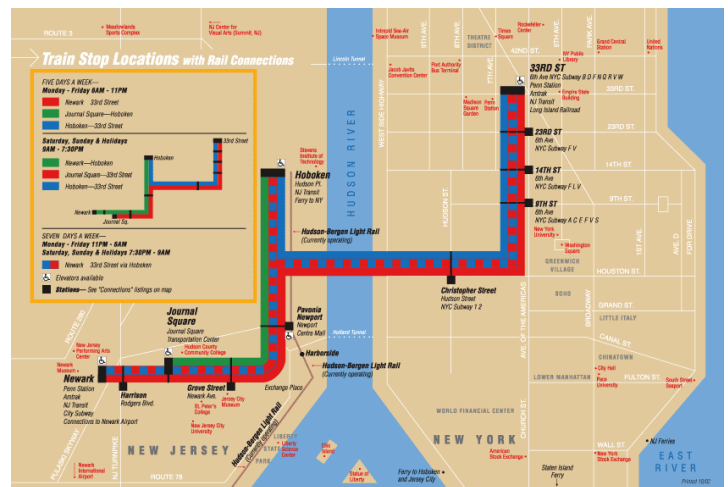
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Other area transit systems:

MARC p.

Metro p.



The PATH route map. *PATH Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



36 A RP40-2C in Crystal City. *Saul Wilson*

Port Authority Transit Corporation (PATCO)

Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. PATCO started operating on February 15, 1969. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.



The Future

VRE is studying several extensions which would have service around 2008 to 2012. On the Manassas Line they would extend to Bealeton and Haymarket. On the Fredericksburg Line they would extend south to Spotsylvania County. They are not planning any new routes.

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Other area transit systems:

MARC p.

Metro p.



The PATCO route map. *PATCO Website*

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10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
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37

A RP40-2C in Crystal City. *Saul Wilson*

San Francisco Bay Area Rapid Transit District (BART)



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The Future

Other area transit systems:

MARC p.

Metro p.



The BART route map. *BART Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
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38 A RP40-2C in Crystal City. *Saul Wilson*

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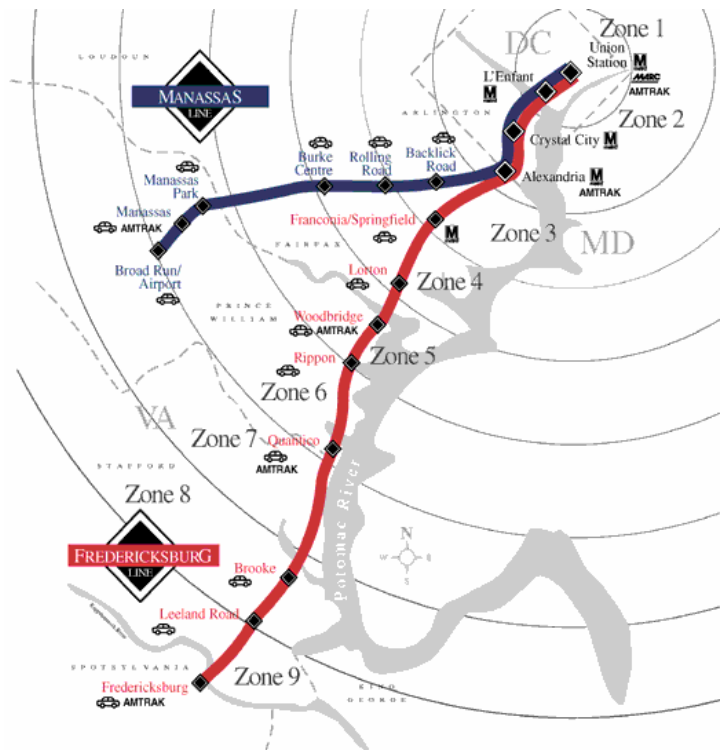
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Other area transit systems:

MARC p.

Metro p.



The VRE route map. *VRE Website*

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39 A RP40-2C in Crystal City. *Saul Wilson*

Staten Island Railway

Since July 1, 1971 the Staten Island Railway (SIR) has been run by the Metropolitan Transportation Authority (MTA). In 1836 the idea of a Staten Island Railway was suggested but it was not built until 1851 when it was built from Clifton to Stapleton. In 1883 the Railway was leased to the Baltimore & Ohio Railroad. Today SIR runs 59 trains to St. George on weekdays and 40 on weekends. SIR runs 57 trains to Totenville on weekdays and 38 on weekends. The current funding level for SIR is \$22.3 million for operations and \$2.7 million for capital.

The Future

SIR has no plans for extension or acquiring new equipment.

Other area transit systems:

- LIRR p.
- MNRR p.
- NYCT p.
- NJT p.



The SIR route map. *SIR Website*

Quantity:	EMU Type:
6	St. Louis R44 (Motor Passenger) (Ex NYCTA)
6	St. Louis R44 (Blind Motor Passenger) (Ex NYCTA)
32	St. Louis R44 (Motor Passenger)
20	St. Louis R44 (Blind Motor Passenger)

Washington Metropolitan Area Transit Authority (WMATA or Metro)

Washington Metropolitan Area Transit Authority (WMATA) runs five subway lines connecting Maryland, the District of Columbia, and Virginia. On July 14, 1960 President Eisenhower signed the National Capital Transportation Act. Metro started operating 4.2 miles of the Red Line on March 27, 1976.

WMATA's 2002 budget was \$796 million for capital and \$552 million for expansion.



The Future

WMATA has 192 Series 5000 cars on order from CAF and AAI (WMATA has received 84 of these) and 62 Series 6000 cars on order from Alstom (the first due to arrive in November

2004).

The Dulles Corridor Rapid Transit Project could be built as a Metrorail extension. The Largo Town Center extension of the Blue line could open in 2004.

Other area transit systems:

- MARC p.
- VRE p.



The Metro system map. *WMATA Website*

Quantity	Metrorail Cars:
84	CAF and AAI cars
432	Breda cars
290	Rohr cars



A WMATA Metro. *Saul Wilson*

Light Rail

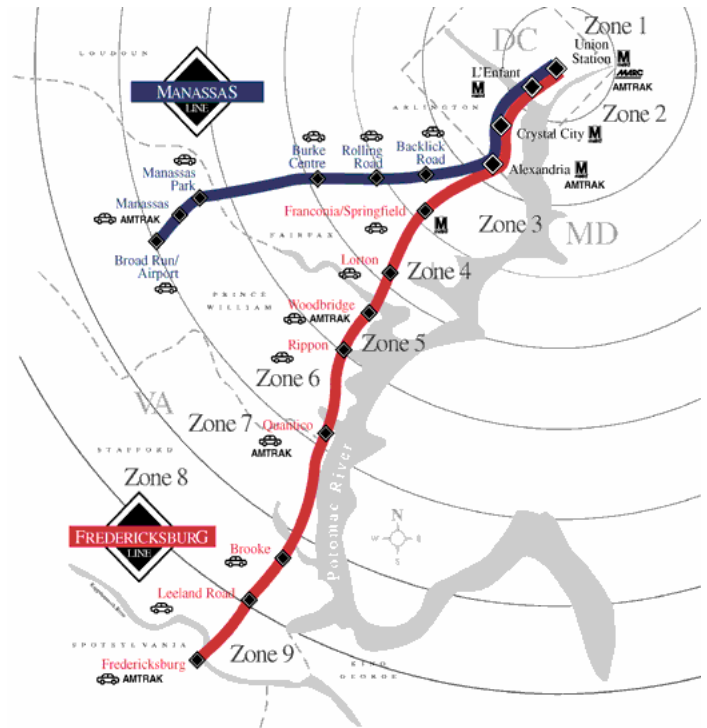
Bi-State Development Agency (BSDA) or MetroLink



The Bi-State Development Agency (BSDA) runs the MetroLink line connecting Lambert Airport to Southwestern Illinois College. MetroLink started operating in 1993.

The Future

The Cross County extension could open in 2005 linking Shrewsbury and the rest of the system. The Phase 2 of the St. Clair County MetroLink Extension is expected to open in mid 2003, connecting College to Shiloh - Scott; Phase 3 will connect Shiloh - Scott and MidAmerica Airport (construction will begin when funding is found).



The VRE route map. *VRE Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
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A MetroLink LRV. *BSDA Website*

Dallas Area Rapid Transit (DART)



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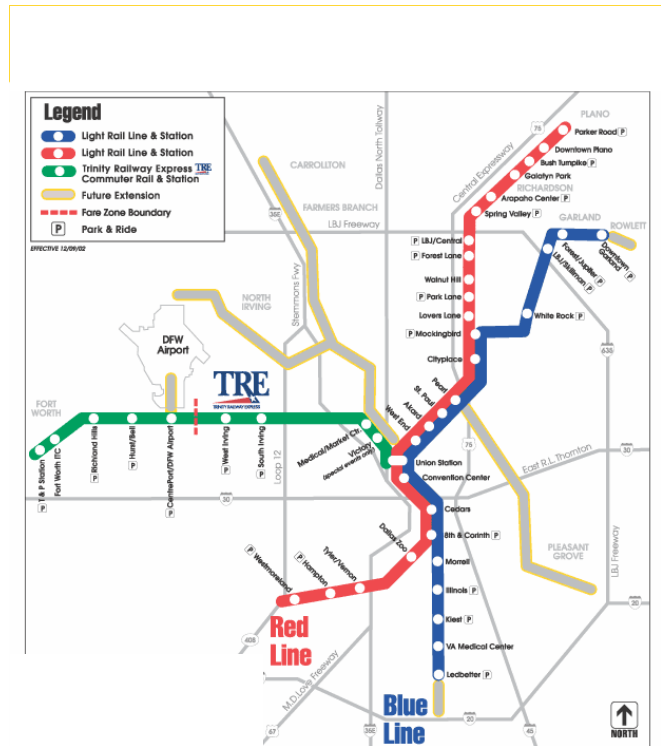
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Other area transit systems:

MARC p.

Metro p.



The VRE route map. *VRE Website*

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Detroit Downtown Trolley (DDT)



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The Future

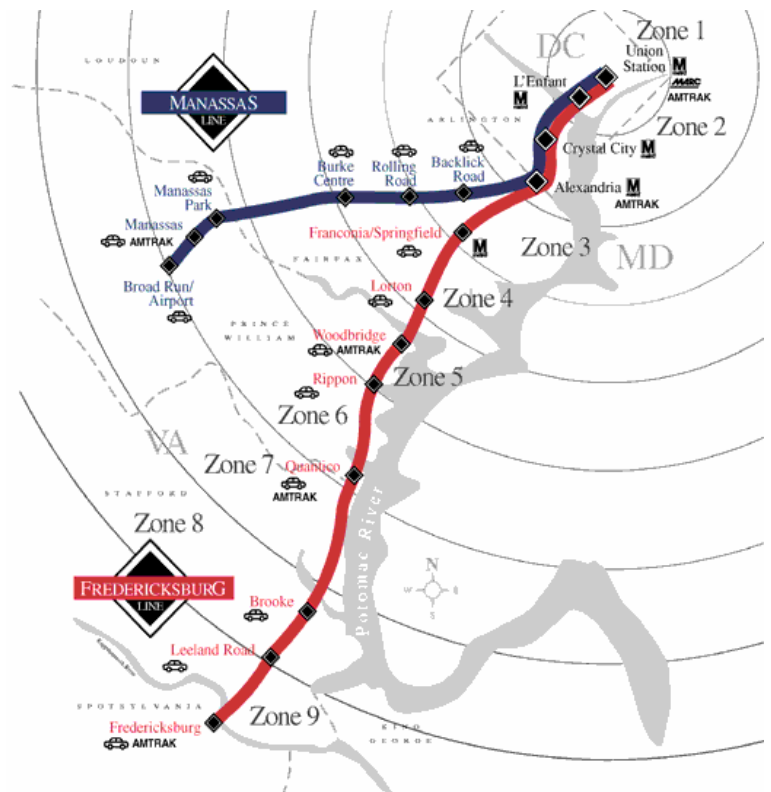
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Other area transit systems:

- MARC p.
- Metro p.



The VRE route map. *VRE Website*

Quantity:	Year Built:	Hometown:	Manufacture:
3	1899	Lisbon	St. Louis
1	1925	Lisbon	St. Louis
1	1925	Lisbon	Lisbon
1	1901	Lisbon	Philadelphia
1	1899	Lisbon	St. Louis
1	1904	Burton-Trent, England	Britan
1	1895	Vevy, Switzerland	Berlin



45 A RP40-2C in Crystal City. *Saul Wilson*

Island Transit (IT)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

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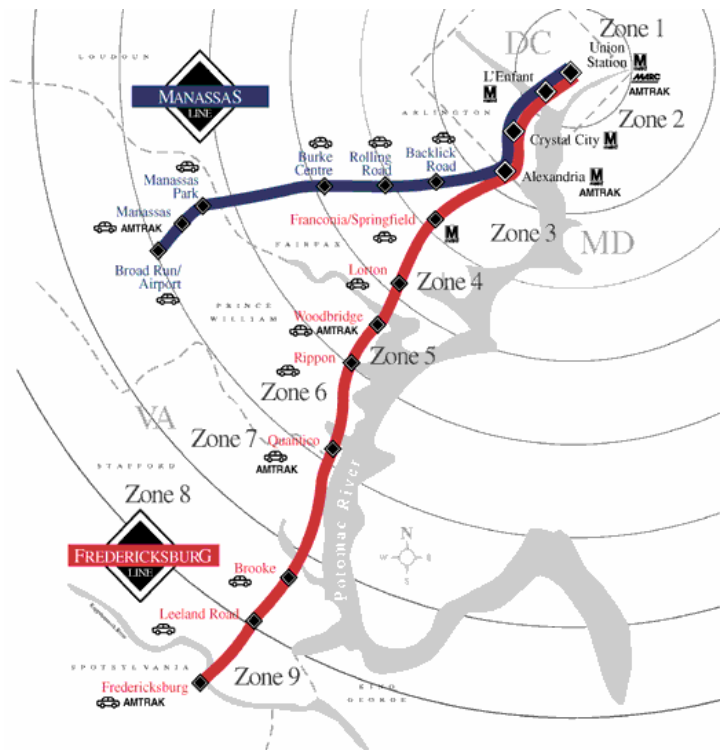
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Other area transit systems:

MARC p.

Metro p.



The VRE route map. *VRE Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



Kenosha Transit (KT)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

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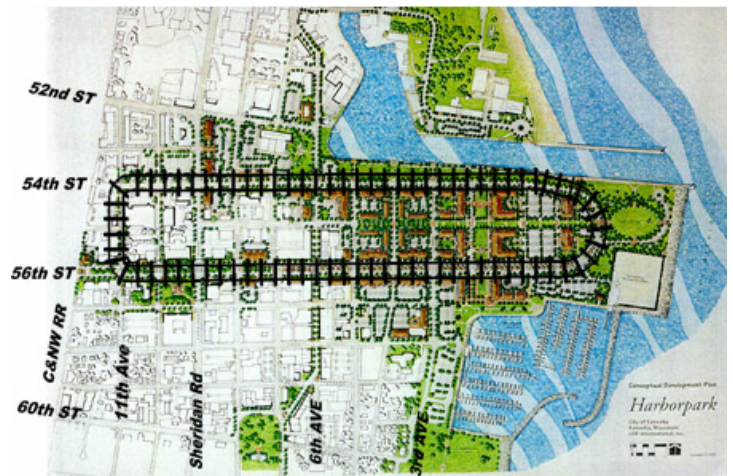
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Other area transit systems:

MARC p.

Metro p.



The KT route map. *KT Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



47 A RP40-2C in Crystal City. *Saul Wilson*

McKinney Avenue Transit Authority (M-Line or MATA)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

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Other area transit systems:

- MARC p.
- Metro p.



The M-Line route map. *M-Line Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
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48 A RP40-2C in Crystal City. *Saul Wilson*

Memphis Area Transit Authority (MATA)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

The Future

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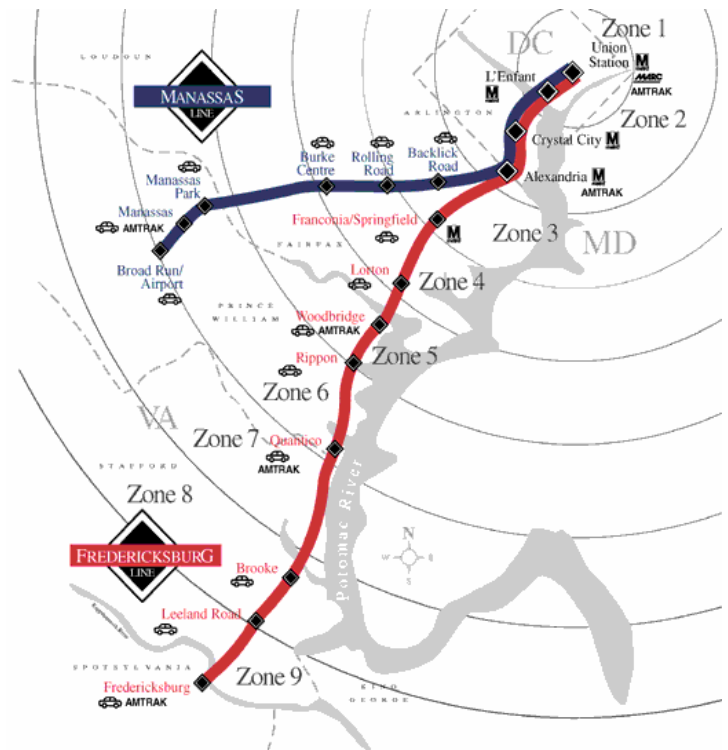
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Other area transit systems:

MARC p.

Metro p.



The VRE route map. *VRE Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
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Metro



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Other area transit systems:

MARC p.

Metro p.



The Gorge Benson Waterfront Streetcar Line route map. *Metro Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
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Quantity:	Engine Type:
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2	F-40 (on lease from Amtrak)
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2	FP 59 (on lease from Sound Transit)



50 A RP40-2C in Crystal City. *Saul Wilson*

New Jersey Transit (NJT)



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The Future

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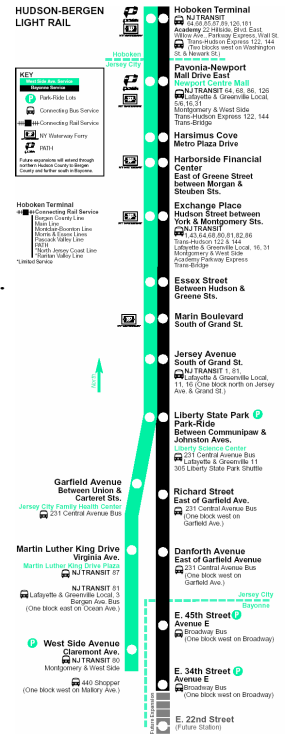
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Other area transit systems:

MARC p.

Metro p.



Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
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The NJT Light Rail route map. NJT Website



51 A RP40-2C in Crystal City. *Saul Wilson*

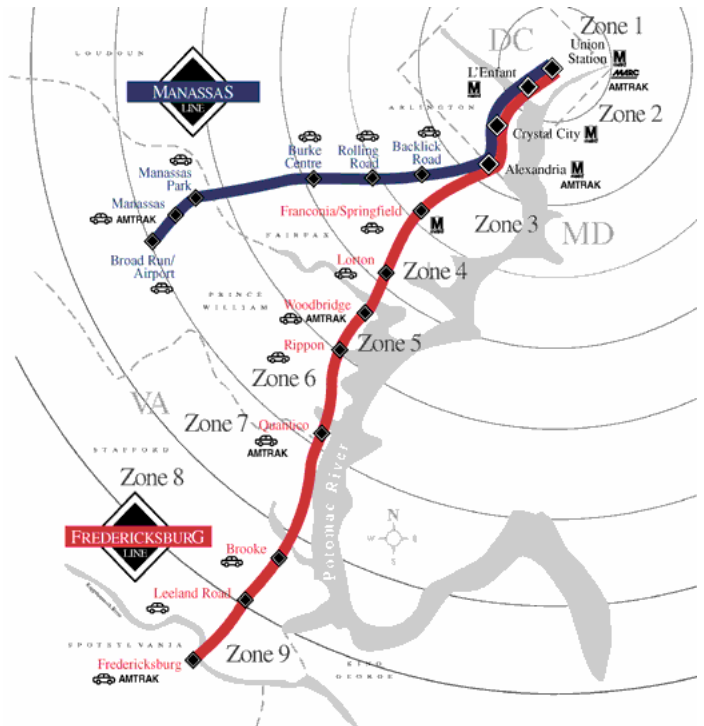
New Orleans Regional Transit Authority (NORTA)



New Orleans Regional Transit Authority (NORTA) runs three routes, the St. Charles, Riverfront, and Canal Streetcar Lines. The Louisiana Legislature created NORTA in 1979 to replace New Orleans Public Service as the operator of the New Orleans transit system. In 1983 NORTA started operating the transit system. The current funding level for NORTA is \$ million for operations and \$ million for capital.

The Future

The Canal Streetcar Line is only running with one car on eight miles of track; 24 cars are on order and 4 miles of track are under construction, these are expected to start operating in 2003-4. The Desire Streetcar Line is in the planning stage.



The VRE route map. [VRE Website](#)

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
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A RP40-2C in Crystal City. [NORTA Website](#)

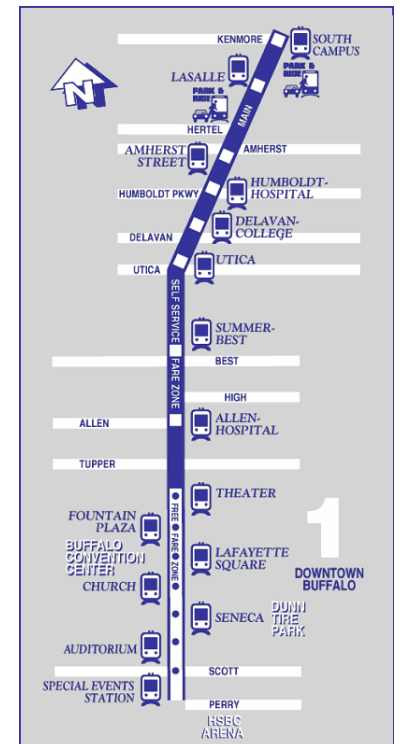
Niagara Frontier Transportation Authority (NFTA)



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The Future

Other area transit systems:
 MARC p.
 Metro p.



The Metro route map.
 NFTA Website

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
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53 A RP40-2C in Crystal City. *Saul Wilson*

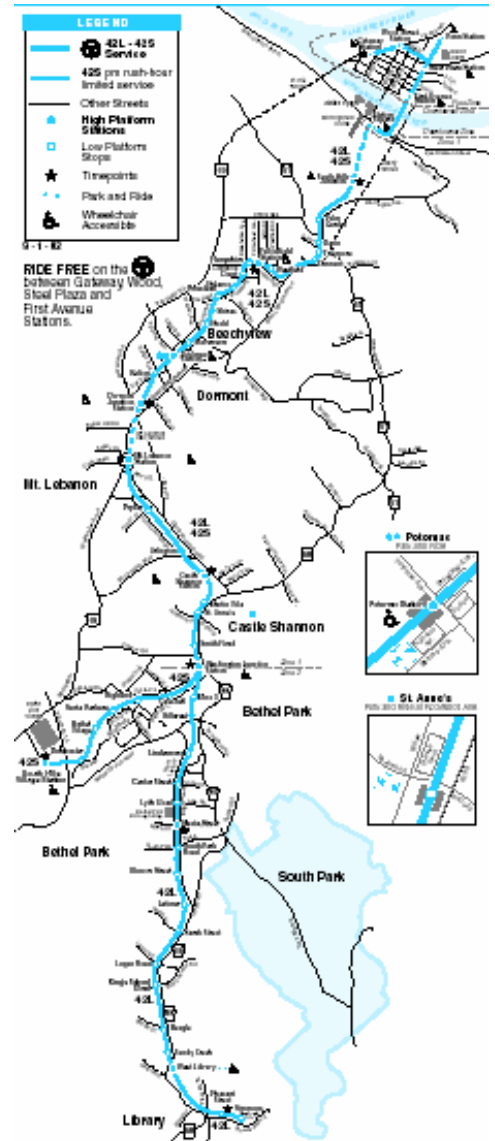
Port Authority of Allegheny County (PAAC)



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The Future

Other area transit systems:
 MARC p.
 Metro p.



The PAAC Light Rail route map. *PAAC Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
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54 A RP40-2C in Crystal City. *Saul Wilson*

Portland Streetcar (PS)



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The Future

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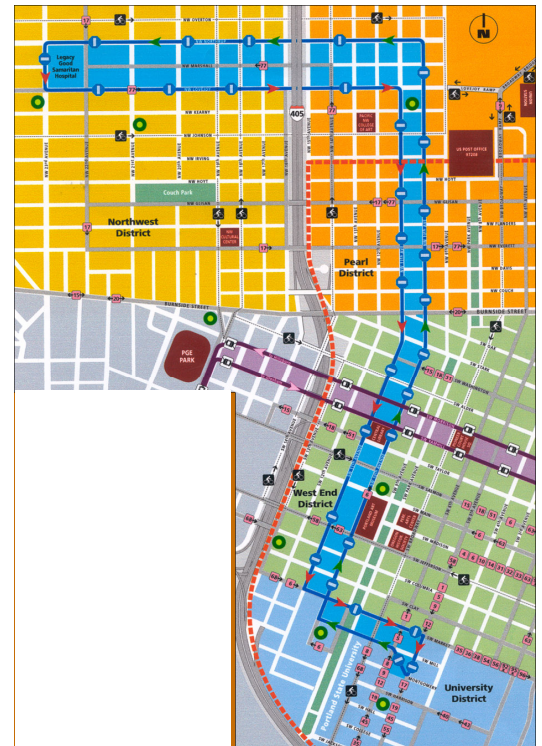
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Other area transit systems:

MARC p.

Metro p.



The PS route map. *PS Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

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Virginia Railway Express (RTD)



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The Future

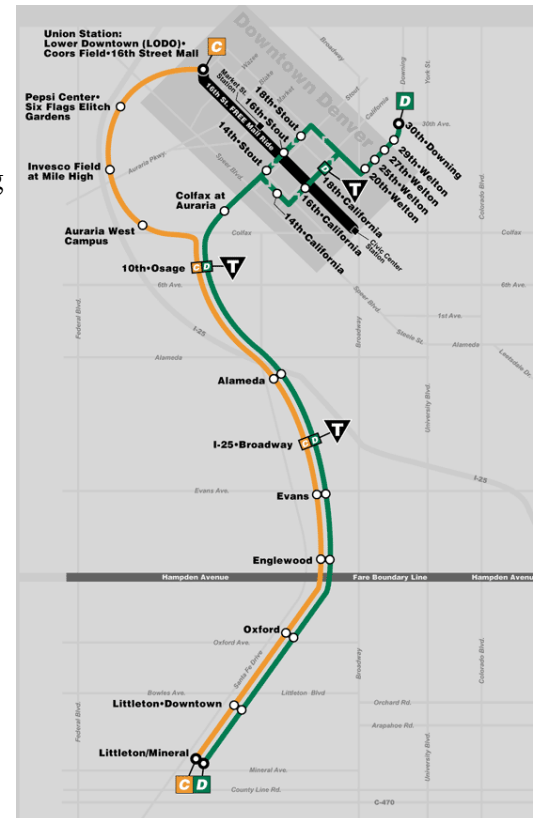
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Other area transit systems:

- MARC p.
- Metro p.



The RTD Light Rail route map. *RTD Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
10	RP39-2C (remanufactured GP-40s)
2	FP 59 (on lease from Sound Transit)



56 A RP40-2C in Crystal City. *Saul Wilson*

Sacramento Regional Transit District (SRTD)



Virginia Railway Express (VRE) runs two routes, the Fredericksburg and Manassas Lines. Around 1986 a commuter rail system in Virginia became a serious idea. The Manassas line started operating on June 20, 1992 and the Fredericksburg line on July 20, 1992. Today VRE runs seven round trips on the Fredericksburg Line and nine round trips on the Manassas Line. The current funding level for VRE is about \$18 million for operations and about \$10 million for capital.

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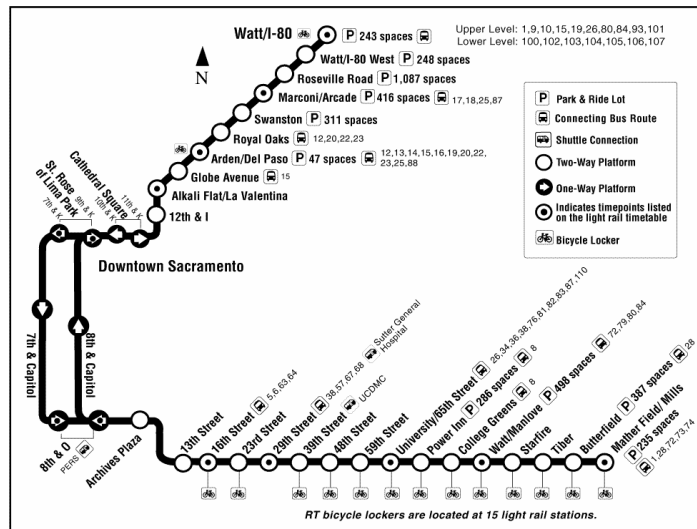
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Other area transit systems:

MARC p.

Metro p.



The SRTD Light Rail route map. *SRTD Website*

Quantity:	Car Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Engine Type:
5	RP40-2C (remanufactured GP-40s)
2	F-40 (on lease from Amtrak)
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2	FP 59 (on lease from Sound Transit)



57 A RP40-2C in Crystal City. *Saul Wilson*

San Diego Trolley, Inc. (SDTI)



SDTI is owned by the Metropolitan Transit Development Board (MTDB). Formed in 1980, SDTI started operating the South Line in July 26, 1981. The current budget for Metrolink is \$91.7 million for operations and \$114.1 million for capital.

The Future

The Mission Valley East Light Rail Transit Project is expected to open in 2005 connecting Grossmont Transit Center to Mission San Diego Station. The Mid-Coast Extension would connect Old Town to North University City and is in the study stage. Other possible Light-Rail extensions are the Beach Area, Airport and South Bay extensions, these have not yet been studied.

Other area transit systems:
 Coaster p.11
 Metrolink p.15
 LACMTA p. 30



The VRE route map. *VRE Website*

Quantity:	Light Rail Vehicle (LRV) type:
71	U-2 (Siemens/Duewag)
52	SD-100 (Siemens/Duewag)



A RP40-2C in Crystal City. *Saul Wilson*

San Francisco Municipal Railway (MUNI)

San Francisco Municipal Railway (MUNI) runs both Cable cars and Light Rail. In 1873 cable cars have started running in San Francisco. In 1902 United Railroads of San Francisco started running local rail operations. The public was extremely upset with their practices and approved bond issues for the creation of MUNI. The city took over MUNI in 1944. The current budget for MUNI is \$450 million.



The Future

Phase 1 of the Third Street Light Rail Project would connect the CalTrain Bayshore Station to Fourth and King Streets; Phase 2 would connect the CalTrain King St. Terminal to China Town. Phase 1 is expected to start operating in 2005; Funding for Phase 2 has not yet been found.

MUNI would like to extend the 59 line (Powell & Mason) to the Fisherman's Wharf.

See CalTrain (p. 10) for information on the Transbay Terminal.

Other area transit systems:

BART p.

CalTrain p. 10

VTA p.

ACE p. 9



The MUNI route map. *MUNI Website*

Quantity:	LRV Type:

Quantity:	Cable Car Type:



A RP40-2C in Crystal City. *Saul Wilson*

TRI-Met or Metropolitan Area Express (MAX)



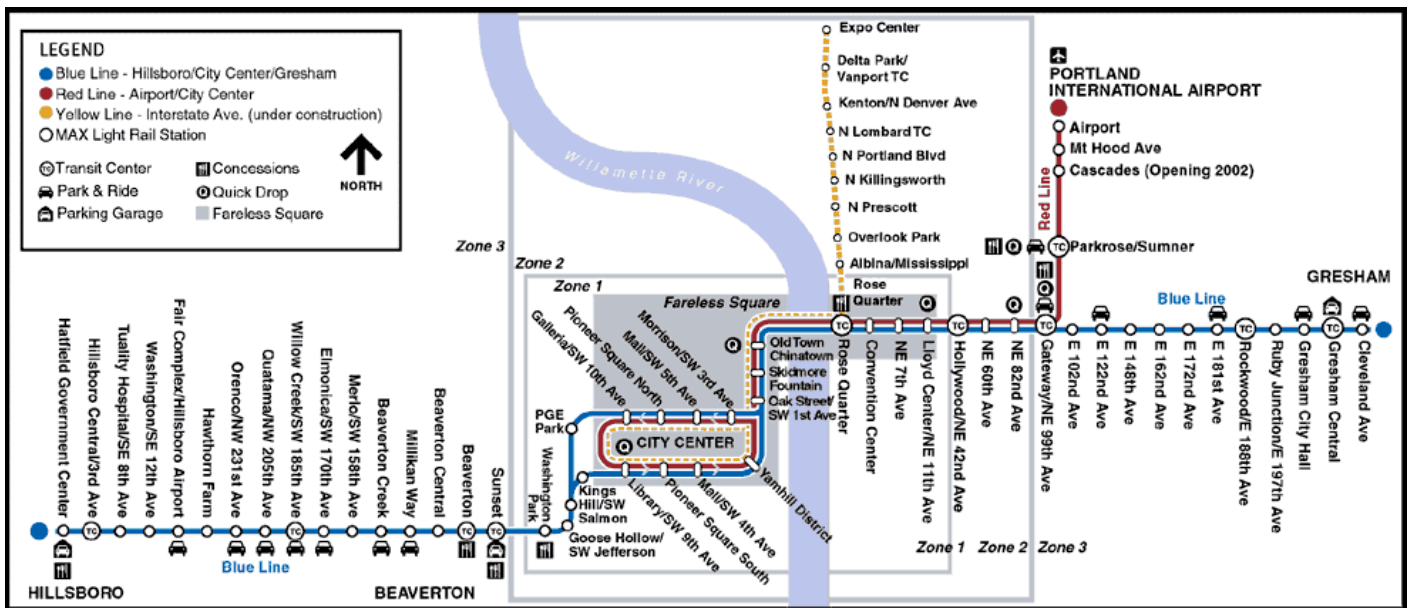
Metropolitan Area Express (MAX) is operated by TRI-Met and runs two routes, the Blue and Red lines. In 1986 MAX started operating from Gresham to Portland. In 1998 MAX was extended to Hillsboro and in 2001 MAX was extended to the Airport. The current budget for MAX is about \$15 million for operations.

The Future

Interstate MAX, currently under construction, will connect the Expo Center and Portland in September 2004. Interstate MAX is expected to cost \$350 million. TRI-Met is studying commuter rail which would connect Beaverton to Wilsonville. A MAX extension to Clackamas County is being studied.

Other area transit systems:

Portland Streetcar p.



Quantity:	Light Rail Vehicle (LRV) type:
26	Bombardier Made
52	Siemens (Low-Floor)

60 A TRI-Met LRV. Saul Wilson

Utah Transit Authority (UTA) or Transit Express (TRAX)

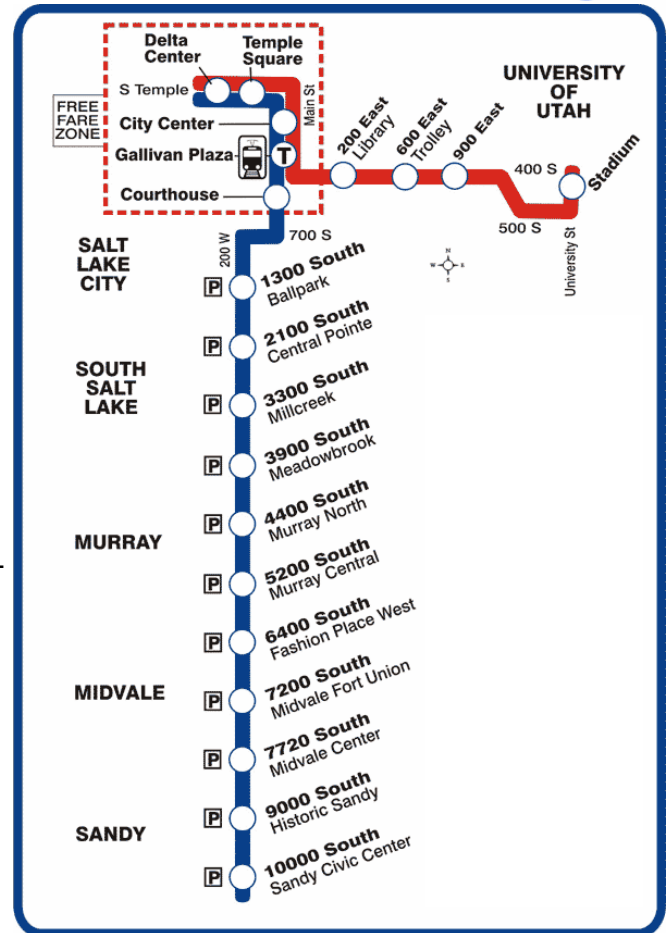


Transit Express (TRAX) links the Sandy Civic Center and the University of Utah to the center of Salt Lake City. The Sandy/Salt Lake Line started operating on December 6, 1999 and the University Line on December 15, 2002. The funding for rail service was \$3.9 million.

The Future

The Medical Center Light Rail Transit Project could open in 2004 extending the University Line (see red line on map) from the Stadium Station to the University of Utah Health Sciences Complex. A DEIS should be completed in 2003 for extensions to Mid-Jordan and West Valley. There are also extensions planned to add the Salt Lake International Airport and Draper to the system.

A commuter rail line between Birmingham City and Payson could open in 2007. UTA bought the 175 mile rail corridor which travels along the Wasatch Front from Union Pacific in January 2002. This was the largest geographic land acquisition made by a transit agency in the United States.



The UTA route map. *UTA Website*

Quantity:	LRV Type:
23 + 10	Siemens SD-100



A TRAX LRV.

Valley Transportation Authority (VTA)



Valley Transportation Authority (VTA) runs three Light-Rail routes. In December 1987 the first section of the Light-Rail opened. The current funding level for VTA Light-Rail is \$ million for operations and about \$ million for capital.

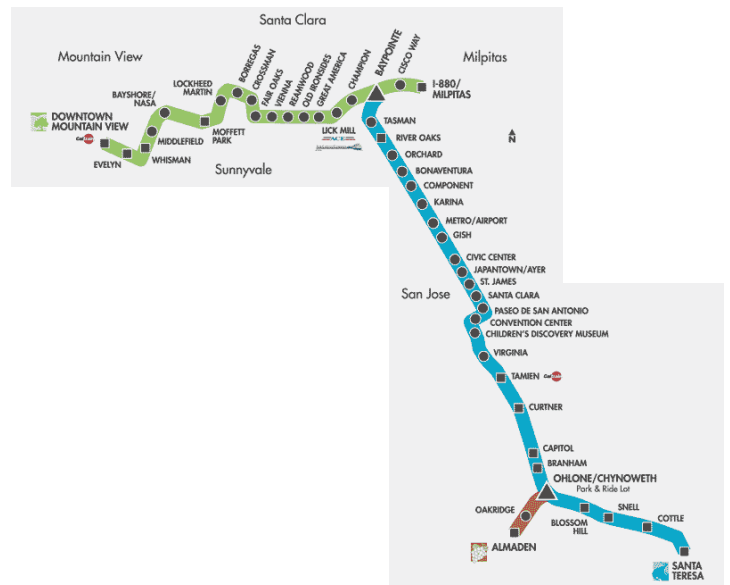
The Future

The Tasman East/Capitol Light rail extension is expected to open in summer 2004. Also the Vasona Light Rail extension is expected to open in November 2004. The Santa Clara / Alum Rock Extension would connect Downtown San Jose to East-bridge and is in the Preliminary Analysis stage.

VTA is planning a BART (see BART) extension to San Jose and Santa Clara from Fremont. They are also planning more round trips on Caltrain (see Caltrain).

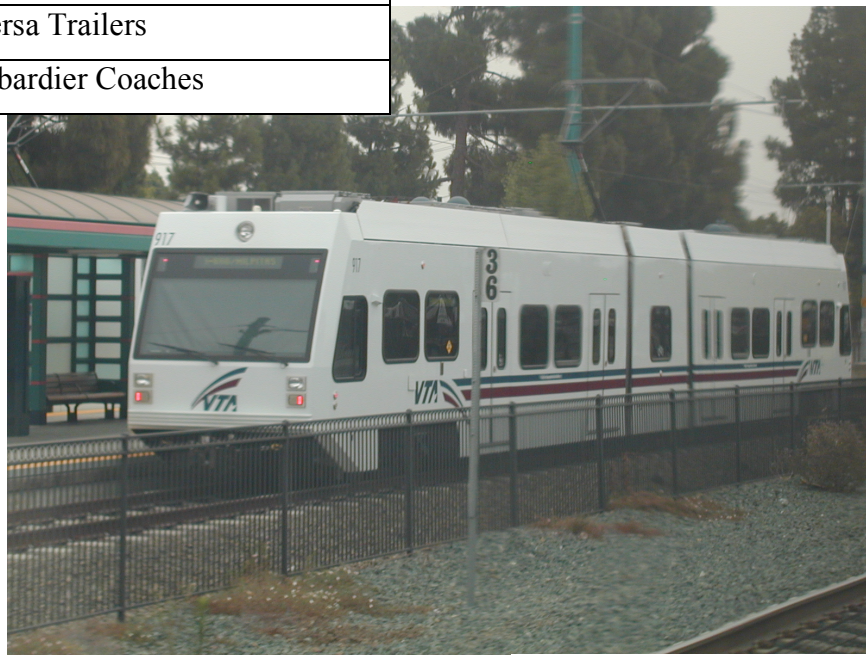
Other area transit systems:

- BART p.
- CalTrain p.
- MUNI p.
- ACE p.



The VTA route map. [VTA Website](#)

Quantity:	Light Rail Vehicle (LRV) type:
10	Mafersa Cabs
28	Mafersa Trailers
14	Bombardier Coaches



A VTA LRV. *Saul Wil-*

Other Rail

AirTrain Newark



CamTran operates the Johnstown Inclined Plane (JIP), the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Angles Flight Railway

Jacksonville Transportation (JTA) operates Skyway, a 2.5 mile automated monorail. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

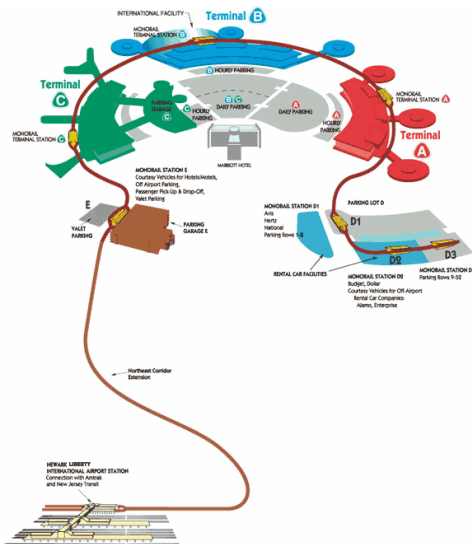


The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The ATN route map. *ATN Website*



The VRE route map. *VRE Website*

Chattanooga Area Regional Transportation Authority (ARTA)

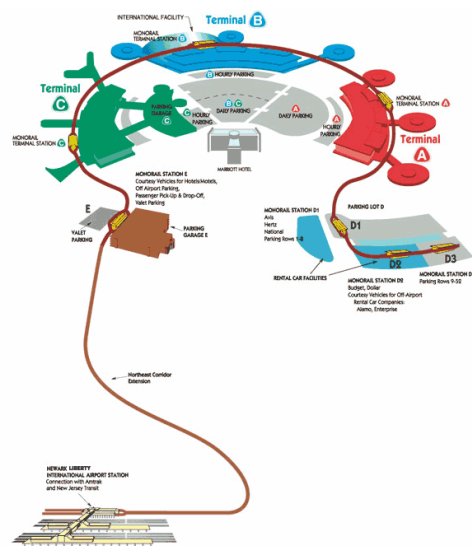


CamTran operates the Johnstown Inclined Plane (JIP), the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The ATN route map. *ATN Website*

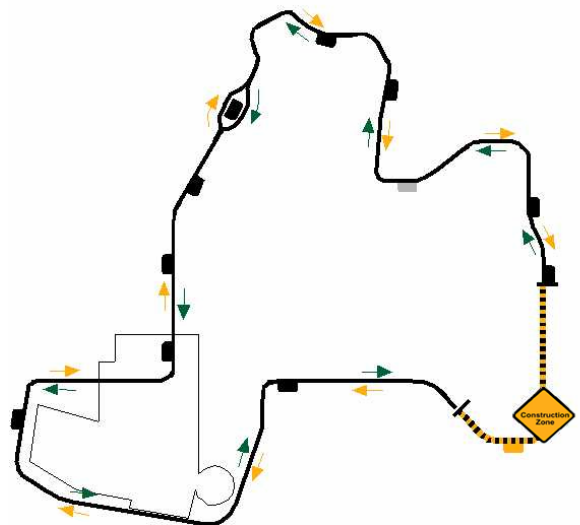
Detroit People Mover (DPM)



The Detroit Transportation Corporation (DTC) operates DPM. DPM started operating on July 29, 1987. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

Quantity:	Monorail Type:
12	Automated Cars



The DPM route map. *DPM Website*

Fenelon Place Elevator Company (FPEC)

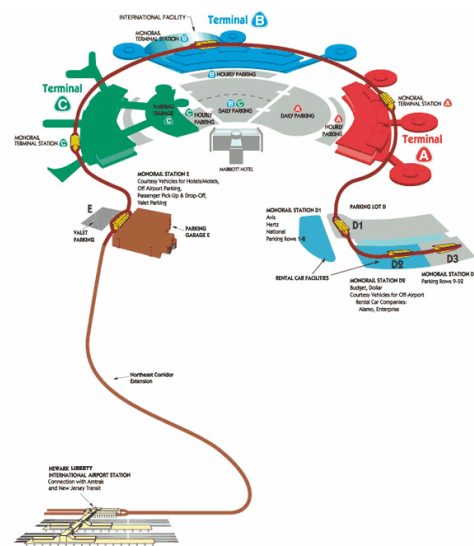


CamTran operates the Johnstown Inclined Plane (JIP), the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The ATN route map. *ATN Website*

Jacksonville Transportation Authority's (JTA) or Skyway

Jacksonville Transportation (JTA) operates Skyway, a 2.5 mile automated monorail. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.



The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The VRE route map. *VRE Website*

Johnstown Inclined Plane (JIP)



Cambria County Transit Authority (CamTran) operates the Johnstown Inclined Plane (JIP), the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

Quantity:	Monorail Type:
14	Bombardier Coaches



The VRE route map. *VRE Website*

Las Colinas Peoplemover (LCP)

Jacksonville Transportation (JTA) operates Skyway, a 2.5 mile automated monorail. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.



The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The LCP route map. *LCP Website*

Morgantown Group Rapid Transit System (MGRTS)



West Virginia University (WVU) operates the MGRTS, the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

Quantity:	Monorail Type:
14	Bombardier Coaches



A MGRTS monorail. *John Bell (e-mailed)*

Gondola Transit System (GTS)



GTS is operated by Mountain Village Metropolitan District (MVMD). The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The LCP route map. *LCP Website*

Port Authority of Allegheny County (PAAC)



West Virginia University (WVU) operates the MGRTS, the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

Quantity:	Monorail Type:
14	Bombardier Coaches



A MGRTS monorail. *John Bell (e-mailed)*

Roosevelt Island Aerial Tramway (RIAT)



RIAT is operated by the Roosevelt Island Operating Corporation (RIOC). RIAT started operating in May, 1976. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

JTA is planning to build a new transit corridor that could someday become Light-Rail.

Quantity:	Monorail Type:
10	Mafersa Cabs
28	Mafersa Trailers
4	Kawasaki Bi-Level Cabs
9	Kawasaki Bi-Level Trailers
4	Pullman Bi-Level Gallery Trailers
4	Bombardier Cab Cars
14	Bombardier Coaches



The LCP route map. *LCP Website*

Seattle Center Monorail (SCM)

West Virginia University (WVU) operates the MGRTS, the highest Inclined Plane in the world. The JIP opened on June 1, 1891 with a 70.9% grade. The JIP has moved many people to safety in major floods in the Johnstown area. The current funding level for VRE is \$18 million for operations and about \$10 million for capital.

The Future

Quantity:	Monorail Type:
14	Bombardier Coaches



A SCM route map. *SCM Website*

Proposed Systems

Alabama:

Alaska:

Arizona:

Arkansas:

California:

Colorado:

Connecticut:

Delaware:

District of Columbia:

Florida:

Georgia:

Hawaii:

Idaho:

Illinois:

Indiana:

Iowa:

Kansas:

Kentucky:

Louisiana:

Maine:

Maryland:

Massachusetts:

Michigan:

Minnesota:

Mississippi:

Missouri:

Montana:

Nebraska:

Nevada:

New Hampshire:

New Jersey:

New Mexico:

New York:

North Carolina:

Charlotte Area Transit System
(CATS)

The CATS is expecting to open a Light-Rail line from I-485 to Charlotte in mid-2006. The CATS is also planning to build a commuter rail line from Charlotte to Mooresville by 2012. They are also expecting to build a Light-Rail line

from Charlotte to Salome and a Streetcar line from Charlotte to Eastland both being built by 2012-17. The CATS is studying a streetcar line from Johnson C. Smith to I-85.

North Dakota:

Ohio:

Oklahoma:

Oregon:

Pennsylvania:

Rhode Island:

South Carolina:

South Dakota:

Tennessee:

Texas:

Utah:

Vermont:

Virginia:

Washington:

West Virginia:

Wisconsin:

Transport 2020 (Study Name)

Wyoming:

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Glossaries

Glossary of Companies

Commuter Rail

Name in Full:	Name as it will appear:
San Joaquin Regional Rail Commission (Operates Altamont Commuter Express)	SJRRC (Operates ACE)
Peninsula Corridor Joint Powers Board (Has power over Caltrain)	Caltrain
Champlain Flyer	CF
North County Transit District (Operates Coaster)	Coaster
Long Island Rail Road (Subsidiary of MTA)	LIRR
(Rail known as MARC)	MTA Maryland (Rail known as MARC)
Massachusetts Bay Transportation Authority	MBTA
Southern California Regional Rail Authority (Operates Metrolink)	Metrolink
Northeast Illinois Regional Commuter Railroad Corporation (Known as METRA)	NIRCRC (Known as METRA)
Metro North Rail Road (Subsidiary of MTA)	MNRR
New Jersey Transit	NJT
Northern Indiana Commuter Transportation District	NICTD
On Track	OT
Shore Line East	SLE
Sound Transit (Operates Sounder)	Sounder
Southeastern Pennsylvania Transportation Agency	SEPTA
Trinity Railway Express	TRE
Tri-Rail	TR
Virginia Railway Express	VRE

Subways and Heavy Rail

Name in Full:	Name as it will appear:
Chicago Transit Authority	CTA
Greater Cleveland Regional Transit Authority	GCRTA
Los Angeles County Metropolitan Transportation Authority	LACMTA
	MTA Maryland (Subway known as Metro Subway)
Massachusetts Bay Transportation Authority	MBTA
Metropolitan Atlanta Rapid Transit Authority	MARTA
Miami-Dade Transit	MDT (Rail is known as Metrorail)
New York City Transit Authority (Subsidiary of MTA)	NYCT
Port Authority Trans Hudson	PATH
Port Authority Transit Corporation	PATCO
San Francisco Bay Area Rapid Transit District	BART
Southeastern Pennsylvania Transportation Agency	SEPTA
Staten Island Railway	SIR
Washington Metropolitan Area Transit Authority	WMATA

Light Rail

Name in Full:	Name as it will appear:
Bi-State Development Agency	BSDA (Rail is known Metro-Link)

Name in Full:	Name as it will appear:
Dallas Area Rapid Transit	DART
Detroit Downtown Trolley	DDT
Greater Cleveland Regional Transit Authority	GCRTA
Island Transit	IT
Kenosha Transit	KT
Los Angeles County Metropolitan Transportation Authority	LACMTA
	MTA Maryland (Rail is known as MARC)
Massachusetts Bay Transportation Authority	MBTA
McKinney Avenue Transit Authority	M-Line
Memphis Area Transit Authority	MATA
None	Metro
New Jersey Transit	NJT
New Orleans Regional Transit Authority	NORTA or RTA
Niagara Frontier Transportation Authority	NFTA (Rail is known as Metro)
Port Authority of Allegheny County	PAAC
Portland Streetcar	PS
Regional Transportation District	RTD
Sacramento Regional Transit District	SRTD
San Diego Trolley	SDT
San Francisco Municipal Railway	MUNI
Southeastern Pennsylvania Transportation Agency	SEPTA
None (Rail is known as Metropolitan Area Express)	Tri-Met (Rail is known as MAX)

Utah Transit Authority (Rail known as Transit Express)	UTA (Rail known as TRAX)
Valley Transportation Authority	VTA

Other Rail and People Movers

Name in Full:	Name as it will appear:
Port Authority Trans-Hudson (Operates Air Train Newark)	PATH (Operates ATN)
Angles Flight Railway	AFR
Chattanooga Area Regional Transportation Authority	CARTA
Detroit Transportation Corporation (Operates Detroit People Mover)	DTC (Operates DPM)
Fenelon Place Elevator Company	FPEC
Jacksonville Transportation Authority	JTA
Cambria County Transit Authority (Operates Johnstown Inclined Plane)	CamTran (Operates JIP)
Las Colinas Peoplemover	LCP
Miami-Dade Transit	MDT (Peoplemover is known as Metromover)
West Virginia University (Operates Morgantown Group Rapid Transit System)	WVU (Operates MGRTS)
Mountain Village Metropolitan District (Operates Gondola Transit System)	MVMD (Operates GTS)
San Francisco Municipal Railway	MUNI
Port Authority of Allegheny County (Operates Duquesne Incline)	PAAC (Operates DI)
Roosevelt Island Operating Corporation (Operates Roosevelt Island Aerial Tramway)	RIOC (Operates RIAT)
Seattle Center Monorail	SCM

Abbreviations:

Environmental Studies:

DIES= Draft Environmental Impact Statement

Light-Rail:

LRV=Light Rail Vehicle

LRT=Light Rail Transit

Multiple Units:

EMU=Electric Multiple Units

DMU=Diesel Multiple Units

MU=Multiple Units

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Trains Magazine, February 2003, Third builder makes a play for U.S. market, pp. 24-25, © 2003

Chicago Transit Authority:

<http://www.transitchicago.com>

Subways of the World, Stan Fischler, Chapter 7: Chicago: MBI Publishing Company, Osceola, WI, © 2000

Logo/Map: <http://www.transitchicago.com>

Photo:

Coaster:

<http://www.sdcommute.com>

Miami-Dade Transit:

<http://www.micdot.com/Default1.htm>

<http://www.miamidade.gov/transit/home.htm>

http://www.trafficrelief.com/rapid_transit_projects.htm

Logo/Map: <http://www.miamidade.gov/transit/home.htm>

Photo:

Tri-Met:

www.tri-met.org

Bruce Solberg, Tri-Met Public Information Officer: December 4, 2002

Logo: Bruce Solberg, Tri-Met Public Information Officer: December 4, 2002

Map: www.tri-met.org

Photo: Saul Wilson

MTA Maryland's MARC:

<http://www.mtmaryland.com>

Logo:

Map: <http://www.mtmaryland.com>

Photo: Saul Wilson

Long Island Rail Road:

Newsday Special Advertising Section, [LIRR Tracking Long Island's History](#), PUBLISHER: Newsday Special Sections for MTA Long Island Rail Road. ARTICLE: An LIRR Timeline . . . Milestones Along the Track

Brian Dolan, Vice-President, Market Development & Public Affairs, Long Island Rail Road: November 21, 2002

[Metropolitan Transportation Authority, 2001 Annual Report](#), Metropolitan Transportation Authority, New York, NY, © 2002

<http://www.mta.nyc.ny.us/lirr/index.html>

Logo/Map: <http://www.mta.nyc.ny.us/lirr/index.html>

Photo: Saul Wilson

New Jersey Transit's Commuter Rail:

<http://www.njtransit.com>

Map: <http://www.njtransit.com>

Logo:

Photo: Saul Wilson

Staten Island Railway:

History of the Staten Island Rapid Transit System (MAG)

MTA Staten Island Railway (MAG)

<http://www.mta.nyc.ny.us/nyct/sir/index.html>

Map: <http://www.mta.nyc.ny.us/nyct/sir/index.html>

Logo:

Photo:

Virginia Railway Express:

Dick Cataldi, Virginia Railway Express: October 30, 2002

<http://www.vre.org>

Map/Logo: <http://www.vre.org>

Photo: Saul Wilson

Washington Metropolitan Area Transit Authority:

<http://www.wmata.com>

<http://www.dullestransit.com/>

Map: <http://www.wmata.com>

Logo:

Photo: Saul Wilson

Metrolink:

<http://www.metrolinktrains.com>

Map:

Logo: <http://www.metrolinktrains.com>

Photo:

Sand Diego Trolley:

<http://www.sdcommute.com/>

Metropolitan Transit Development Board Folder, Various Dates

Map: <http://www.sdcommute.com/>

Photo:

Logo:

Valley Transportation Authority

<http://www.vta.org/>

Map/Logo: <http://www.vta.org/>

Photo: Saul Wilson

Los Angeles County Metropolitan Transportation Authority

<http://www.mta.net/>

Logo: <http://www.mta.net/>

Map:

Photo:

Bi-State Development Agency (BSDA) or MetroLink

<http://www.crosscounty.org/>

<http://bi-state.org/>

Los Colinas Peplemover (LCP)

Photo: <http://web.presby.edu/~jtbell/transit/Morgantown/>

