



Nassau Corridor

EASTERN CORRIDOR
OASIS COMMUTER LINE

RAIL TECHNOLOGY

Vehicle Type	Modern Streetcar	Modern Light Rail	Modern Light Rail	Diesel Multiple Unit	Diesel Multiple Unit	Diesel Multiple Unit	Diesel Multiple Unit	Electrial Multiple Unit	Push-Pull Locomotive	Heavy Rail (Subway)
Manufacture	Oregon Iron Works/Skoda	Siemens	Kinkisharyo	US Railcar (Formerly Colorado Railcar)	Stadler	Siemens	Bombardier Talent	Bombardier	Bombardier Bi-Level Coach	AnsaldoBreda
Dimensions (Length, Width, Height)	65.6' x 8.1' x 11.3'	93.6' x 8.7' x 12.7'	95' x 8.7' x 12.3'	85' x 10' x 14.9'	102.5' x 9.8' x 12.8'	136.8' x 9.3' x 14.1'	158.4' x 9.5' x 12.1'	85' x 10.5' x 12.9'	87.9' x 9.2' x 15.9'	75' x 10.5' x 12.1'
Empty Weight	61,600 lbs	96,800 lbs	102,000 lbs	176,000 lbs (single level) 200,000 lbs (bi-level)	109,600 lbs	157,000 lbs	154,000 lbs	128,300 lbs	260,000 lbs (locomotive) 134,000 lbs (cars)	80,200 lbs
Capacity	30 seats 141 standing	68 seats 168 standing	74 seats	94 seats (single level) 188 seats (bi-level)	90 seats 94 standing	128 seats 90 standing	135 seats 150 standing	101 seats	136 seats 276 standing	122 seats 138 standing
Guideway Requirements	Shared	Shared	Shared	Separated	Separated	Separated	Separated	Separated	Separated	Separated
Maximum Operational Gradient	8.75%	7%	7%	3.2%	6%	4%	3.5%	4.2%	4%	3%
Minimum Turning Radius	60 feet	82 feet	80 feet	250 feet	130 feet	410 feet	295 feet	240 feet	250 feet	200 feet
Capability to Link Multiple Vehicles	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FRA Compliant for Crash Worthiness	No	No	No	Yes	No	No	No	No	Yes	N/A
Power Source	Overhead Electric Line 750 V DC	Overhead Electric Line 750 V DC	Overhead Electric Line 1500 V DC	Diesel Multiple Unit	Diesel Multiple Unit	Diesel Multiple Unit	Diesel Multiple Unit	Electric Multiple Unit Overhead Electric Line or Third Rail	Electrical or Diesel Push-Pull Locomotive	Electric Powered Third Rail
Maximum Speed	44 mph	66 mph	58 mph	90 mph	68 mph	75 mph	75 mph	100 mph	100 mph	70 mph
Operating Speeds	8 - 12 mph	20 - 30 mph	20 - 30 mph	30 - 40 mph	30 - 50 mph	30 - 50 mph	40 - 70 mph	40 - 55 mph	30 - 60 mph	30 - 50 mph
Typical Station Spacing	0.25 Mile	1 Mile	1 Mile	1 - 3 Miles	1 - 3 Miles	1 - 3 Miles	1 - 3 Miles	1 - 3 Miles	2 - 5 Miles	1 - 5 Miles
Example Cities	Portland, Tacoma, Seattle	Charlotte Lynx	Seattle	Portland Westside Express	New Jersey Riverline, Austin Capital Metro	North County San Diego Sprinter	Ottawa O Train	Long Island and New Haven	Seattle, Minneapolis Northstar, Albuquerque, South Florida Tri-Rail, California Surfliner	Atlanta, Washington DC, Boston, Chicago, New York
Photos										