

Appendix B: Design Vehicle Assumptions

Table 1: Enhanced Bus Design Vehicle

Characteristic	Defining Criteria
Vehicle length	60 feet
Minimum turn radius	45 feet (outer body), 23 feet (inner body)
Maximum sustained grade	6%
Minimum vertical clearance	16.5 feet
Motor	Diesel-electric hybrid
Passenger capacity	31 - 65 seated and a full standing load of 80 – 90 passengers
ADA accessibility	Wheelchair ramp
Gross vehicle weight (AW3 loading)	40,000-50,000lbs
Doors	2, right side

Table 2: Double/Single-Track Rail Design Vehicle

Characteristic	Defining Criteria
Vehicle length	90-94 feet
Minimum turn radius	100 feet (82 feet absolute minimum)
Maximum sustained grade	6%
Minimum vertical clearance	18 feet
Motor	Electric
Passenger capacity	68 seated passengers and a full standing load of 220 passengers
ADA accessibility	Level Boarding
Gross vehicle weight (AW3 loading)	143,000 lbs
Doors	4 per side