

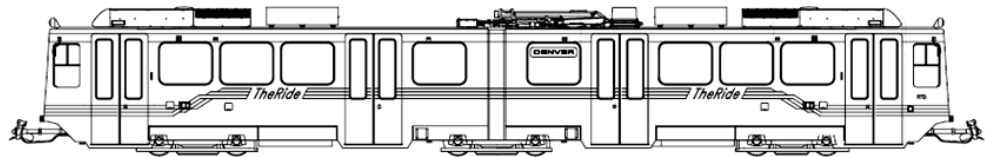
## RTD's Light Rail Vehicles (LRVs)

### Background

- ③ The Regional Transportation District (RTD) currently has 117 light rail vehicles (LRVs).
- ③ RTD's current fleet includes 49 older SD-100 models and 68 newer SD-160 models.
- ③ An additional 55 LRVs are being purchased through FasTracks to accommodate the West Rail Line, I-225 Corridor and Southeast and Southwest extensions, when they open.
- ③ Siemens Transportation Systems has built all of RTD's LRVs in Sacramento, Calif.
- ③ The new cars have the same appearance as current RTD light rail vehicles.

### Vehicle Specifications

RTD's cars are bi-directional, six-axle vehicles with a light frame and tight turning radius suitable for urban operations with frequent stops. They have large windows, air conditioning and heating units to accommodate Colorado's weather. The LRVs meet ADA requirements and feature automated audio and visual elements.



- ③ Length: 81.4 ft
- ③ Height: 12.4 ft
- ③ Weight: 89,560 lbs (empty)
- ③ Maximum Speed: 55 mph (operational)
- ③ Seats: 64
- ③ Total Capacity: 185 (including standees)
- ③ Wheelchair Spaces: 4
- ③ Motor Power Rating: 194 hp × 4
- ③ Suspension: Coil Spring
- ③ Turning Radius: 82 ft (minimum)

### Moving Into Service

- ③ The 55 new LRVs will arrive approximately every two weeks over an 18-month period.
- ③ Siemens has an on-site inspection and testing process for each LRV.
- ③ After that, each car undergoes a 1,500-mile "burn in" period, which is designed to test the LRV's safety and functionality.
- ③ The LRV is out-of-service during the "burn in" period, but this simulates regular service.
- ③ LRVs are gradually put into service, which reduces mileage on the overall fleet.
- ③ Some of RTD's first LRVs have recently reached the one-million mile mark.
- ③ Overall, LRV lifespan is approximately two-million miles or 30 years.

**For More Information about the New LRVs and the FasTracks program, please call the FasTracks Public Information Team at 303-299-6990 or visit [www.RTD-FasTracks.com](http://www.RTD-FasTracks.com)**