

Rebuilt Rail Car Passenger and Mechanical Safety Improvements



Safety Upgrades:

- ☞ ADA Related:
 - Passenger and emergency intercoms at all doors
 - Flashing lights at all doors to assist hearing impaired passengers
 - New gong sounds that signal the opening and closing of the doors to assist visually impaired passengers
 - New inter-car barriers at both ends of the rail car to prevent passengers from falling, in the tunnel, between cars or walking between cars on the surface. Deployed upon stopping at all stations.
 - New handicapped seating and hold-down devices
 - Automatic passenger announcements at stations both audible and visual LED signage in the rail car.
- ☞ Double pane glass on the doors to reduce pinch points
- ☞ New high speed circuit breaker mounted on the roof to cut all power to the car
- ☞ Enhanced interior emergency public information system
- ☞ New NiCad batteries and new fire protection safety circuit design
- ☞ New anti-slip coating on door thresholds

Passenger Amenities:

- ☞ All new colored seats and shells
- ☞ Fiberglass side walls
- ☞ Wind screens to aid in video camera surveillance
- ☞ Addition of new interior and exterior video cameras
- ☞ Automatic passenger counting system at all doors
- ☞ Outside LED destination signs
- ☞ Interior informational LED signs
- ☞ Brighter energy efficient overhead fluorescent lighting
- ☞ Advertising frames built into the interior rail car side walls
- ☞ Interior design on cab walls
- ☞ New exterior paint and decals
- ☞ HVAC new components plus overhauled system

Mechanical Safety Improvements and Modernize items:

- ☞ Operator comfort improvements in the cab:
 - HVAC system improved
 - Improved sliding glass window
 - Better ergonomic design in cab
 - Enhanced electric wipers with intermittent control
 - Overhauled operator's seat
- ☞ Overhauled couplers
- ☞ AC Air Compressor run by new DC to AC inverter and a new air dryer system
- ☞ Complete new under frame made from weathering steel
- ☞ Stainless steel bellyband for the first 18 inches of the car side to reduce rusting
- ☞ Stainless steel ply metal under floor and new top rubber flooring
- ☞ New propulsion logic system
- ☞ Improved design on new brake rotors and new hubs
- ☞ Rebuilt gear boxes with new gears and bearings
- ☞ New rail car wheels
- ☞ 35,000 feet of new wiring and conduit placed under the floor of each car
- ☞ All new stainless steel air piping and fittings under floor
- ☞ New suspension leveling valves, lateral dampeners and secondary suspension air bags

