



Lesson 5: Valley Metro Operations and Maintenance Center Field Trip

OMC BACKGROUND:

- The Valley Metro Operations and Maintenance Center (OMC) opened in 2006 to store and maintain a fleet of 50 light rail vehicles.
- The light rail vehicles are used to operate the current 28-mile Valley Metro rail system.
- With expansion to a 66-mile system by 2034, new vehicles will be added to the fleet and additional space is needed at the OMC to properly operate and maintain them.



OMC DETAILS:

- The Valley Metro Operations and Maintenance Center (OMC) is the hub of light rail, maintenance, and operations in the Valley.
- The 35-acre property has three main structures: Maintenance of Way, Maintenance of Equipment and Light Rail Vehicle Wash.
- The center houses a 200-person operations and maintenance team comprising of operators, mechanics, cleaners, signal technicians, traction power electricians, track maintainers and maintenance personnel.
- The OMC is designed for maximum efficiency and possible expansion to accommodate future growth of the light rail system.
- It has the capacity and infrastructure to conduct heavy repair and overhaul work, including a 10-ton crane to move parts and equipment and a full-service body shop complete with a paint-spray booth.
- Full-length mezzanines give crews access to vehicle roof equipment and an in-floor hoist system allows mechanics to lift two vehicles at a time.



Construction is underway for:

- Expansion to a 66-mile system by 2034, new vehicles will be added to the fleet and additional space is needed at the OMC to properly operate and maintain them.
- Completing earth retaining wall on north side of facility for extra light rail vehicle storage.
- Erecting steel for Maintenance of Equipment building expansion. ○ Continuing foundation work for Maintenance of Way building expansion.
- Renovating existing Maintenance of Equipment building office and shop space.
- Constructing clearing platform with new sanding system.
- Installing special track work.



This an Environmentally Friendly facility features:

- Seasonal and work/non-work hour adjustments of lighting, heating, and cooling

- Window design that admits glare-free light, little to no heat gain and most face north or south
- Irrigation level regulated by climatic conditions
- Water reclamation process for the vehicle wash

