

BI 2024-142 Type 2 LRV Pantograph Replacement

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LRV MAINTENANCE DEPT

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What Is A Pantograph?



The pantograph is a roof-mounted device that collects electric current from the overhead catenary for the power system of the vehicle. On the left you can see the original Type 2 single spring pantograph and on the right is the replacement double spring pantograph.

Summary of BI

- The type 1, 2.5 and 3 fleets all came standard with double spring pantographs.
- To date 50% of the type2 fleet has already been converted to double spring.
- Double spring pantographs offer a more robust option to increase service reliability and standardization of the fleet.
- There is no known opposition.
- Recommendation is that the Metropolitan Council authorize the Regional Administrator to execute contract 24P038 with Siemens Mobility, Inc., to provide thirty-one replacement pantographs for the Siemens, Type 2, Light Rail Vehicles (LRV), in an amount not to exceed \$905,758.