

Rail Vehicle Mobile CCTV Replacement Resolution No. 25-07-42

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Introduction

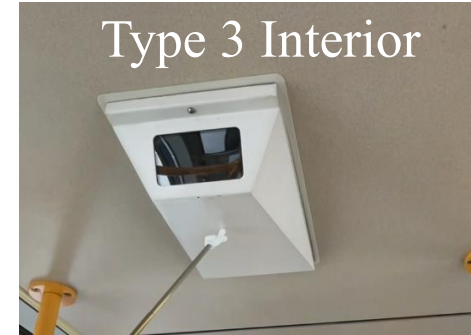
This Contract provides Design, Supply, and Installation* of a replacement CCTV System for our Rail Vehicle Fleets

Fleet	Size	Capital Project	Target Start Date	Target Finish Date	Project Sponsor	Resolution
Type 3 LRV	27	1130	Aug '25	Nov '26	Safety & Security	25-07-42
WES Commuter Rail	8	4713	Aug '25	Jun '26	WES	25-07-42
Type 4 LRV	22	1130	Apr '26	Aug '27	Safety & Security	TBD
Type 5 LRV	18	1130	Apr '26	Aug '27	Safety & Security	TBD

- **Only Type 3 LRVs and WES to be authorized at this time**
 - Optional item pricing received for Type 4 & 5 LRVs
- ***WES Technicians will install Contractor supplied materials**

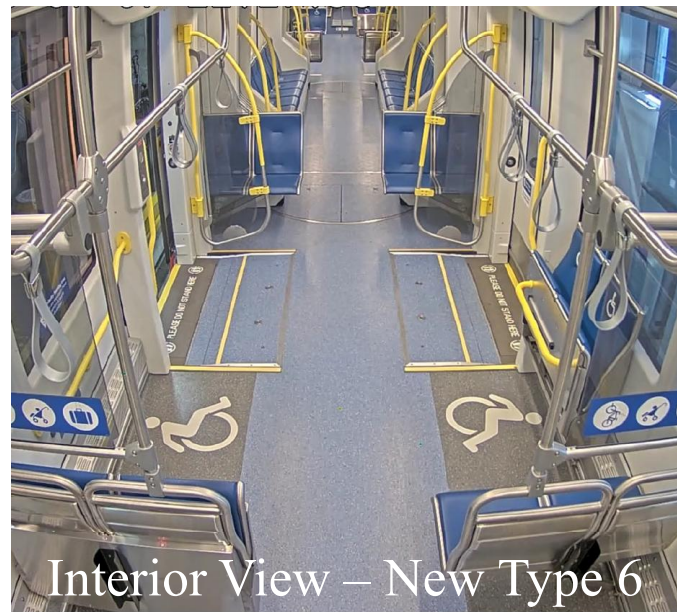
Problem to Solve

1. Existing equipment about 16 years old
 - a. Poor image quality
 - b. Replacement parts are becoming obsolete
2. Data retrieval requires manual connection
3. For WES: Federal Railroad Administration (FRA) set new minimum CCTV requirements
 - a. WES does not meet these requirements
 - b. Compliance required by Oct '27



The New CCTV System

1. More coverage with better quality video
2. New for Type 3s: Digital side view cameras and displays for operators to view entire side of two-vehicle consist
3. Additional Pantograph monitoring camera
4. Increased storage capacity
5. Network connectivity
 - a. Remote data downloading
 - b. Fleet monitoring – presents system health to operations
 - c. Allows expandability for future TriMet projects



602 - CAM10 – Doors 5/6

Conclusion

1. This project provides a robust new system that will:
 - a. Improve Reliability
 - b. Reduce Maintenance Efforts
 - c. Streamline CCTV Data Retrieval
2. Positions WES for upcoming FRA mandate

Thank you!



Proposed Network Video Recorder

Proposed Cameras

