

SOUTHWEST

Green Line LRT Extension



Transportation Committee #SW2016-197

October 24, 2016



Recommendation

Authorize the Regional Administrator to:

- Award and execute a contract with Siemens Industry, Inc.
 - 27 low floor light rail vehicles
 - Not to exceed \$118,092,506
 - 50 option vehicles
- Exercise one option vehicle
 - Not to exceed \$3,930,000
 - Net total contract value \$122,022,506
- Issue LNTP
 - Not to exceed \$3,000,000

Procurement Overview

- September 2015: Proposals solicited
- March 2016: One proposal received
- September 2016: Evaluation panel recommendation
- November 2016: Award contract; exercise one option vehicle

Production and Delivery Timeline

2017

- Design and Engineering

2018

- Production

2019

- Delivery of First Vehicle

2020

- Delivery of Last Vehicle

2020

- Integrated Testing, New Operator Training

2021

- Passenger Operations

Vehicle Features



Proposed Siemens S70 Low Floor LRV

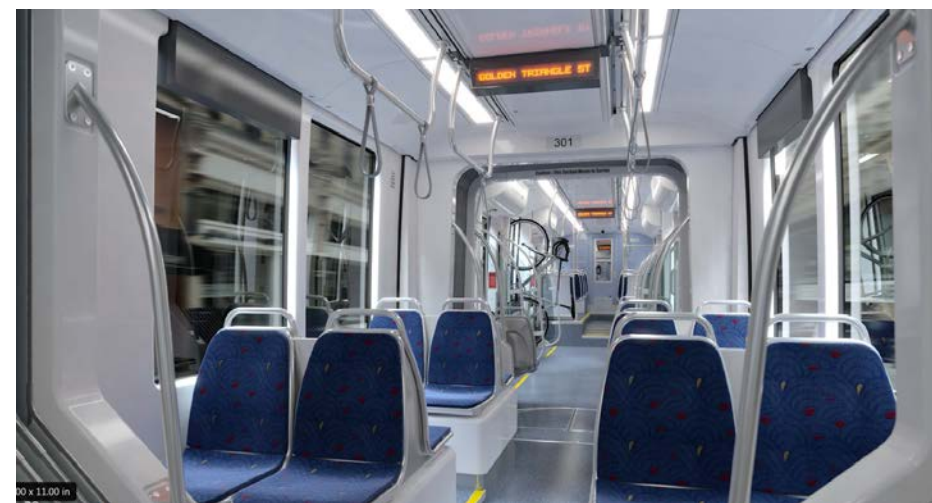
“A” Section

“C” Section

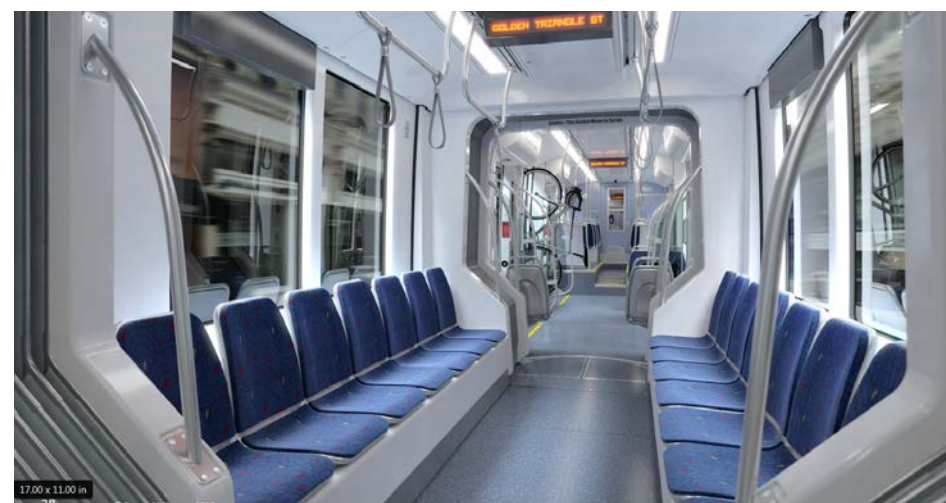
“B” Section



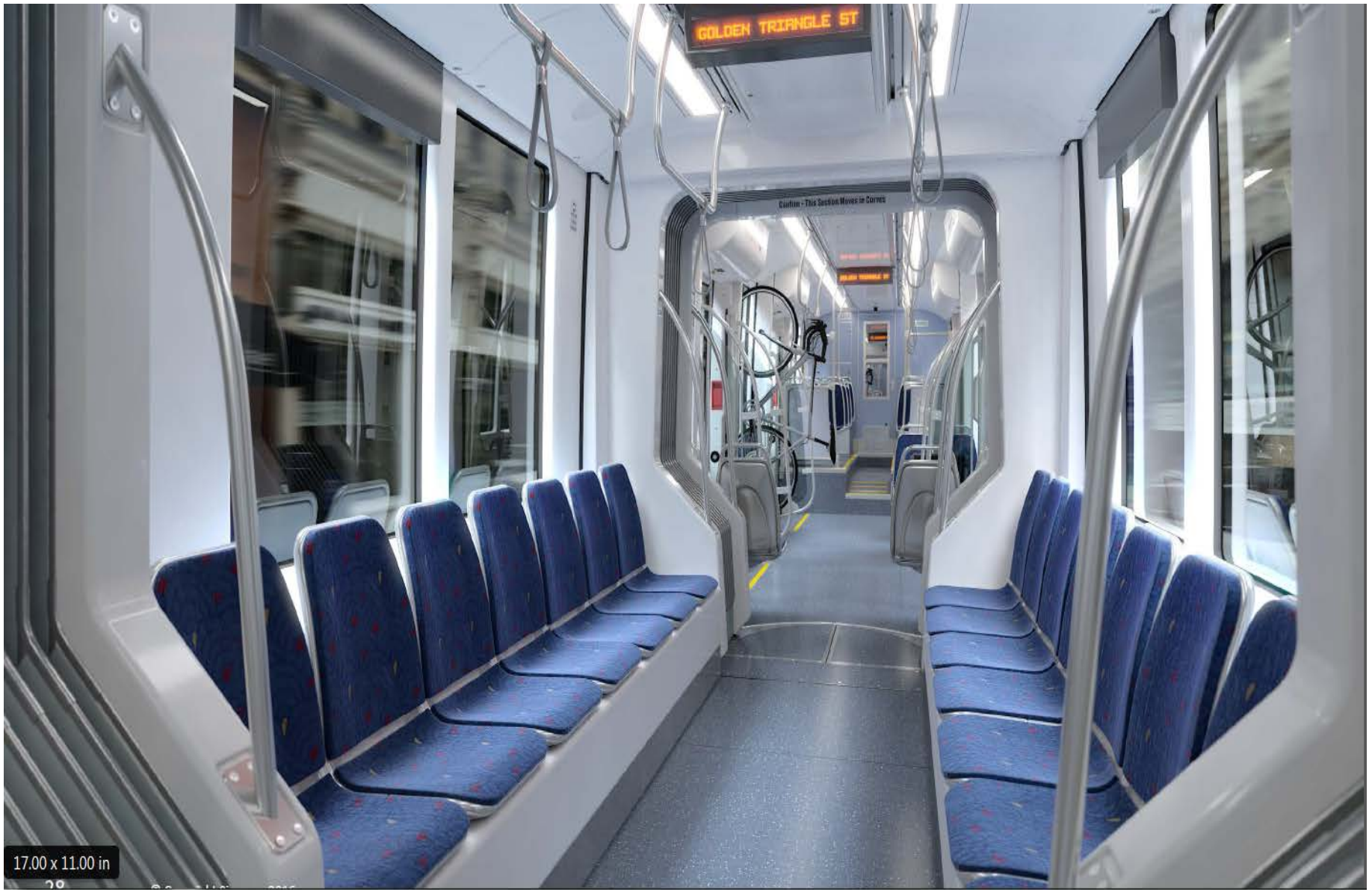
View of the Middle Section (“C” Car)



Type II Design



Type III Improved Design



17.00 x 11.00 in

Headlights



Original configuration

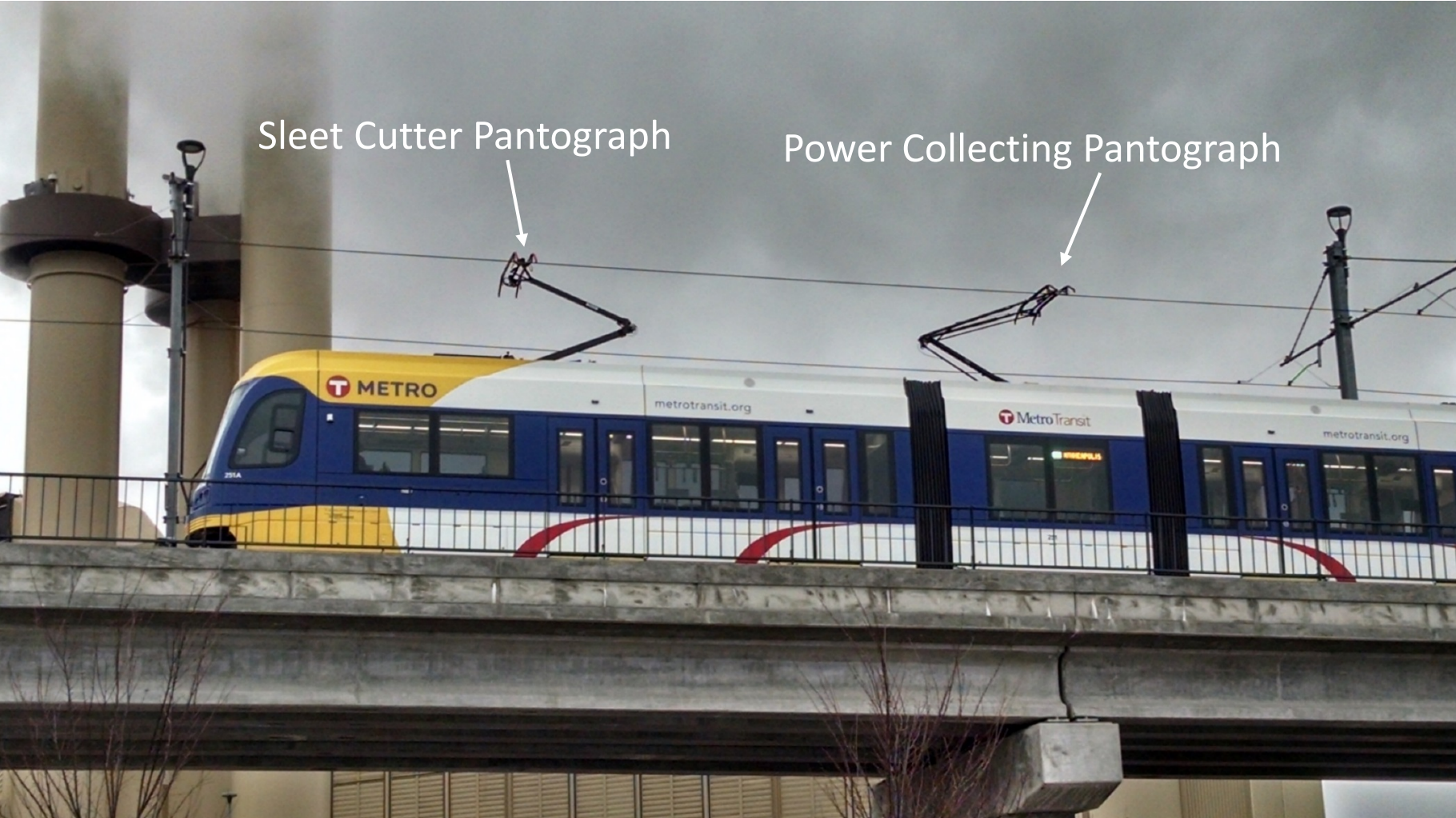


New design Wig-Wag configuration

When either horn or bell is activated, high beam headlights will begin to flash (Wig-Wag) for 10 seconds



Sleet cutter pantograph mounted on lead end of LRV to remove sleet from OCS before power collecting pantograph passes through that area



Sleet Cutter Pantograph

Power Collecting Pantograph

Color Block Destination Signage



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More Information

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