Northstar Commuter Rail

Positive Train Control Project

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Positive Train Control (PTC)

Communication / processor based train control technology that prevents

- Train-to-train collisions
- Over-speed derailments
- Speeding into established work zone limits
- Movement of a train through a red signal or improperly positioned main line switch
- The Rail Safety Improvement Act of 2008 (RSIA)
- Mandated installation by December 31, 2015





Northstar Rolling Stock

6 MPI MP-36PHL Locomotives



6 Bombardier Bi-level Cab cars





PTC Implementation Schedule

BNSF - PTC Wayside Improvements Schedule		
Sudivision	Cut-over date	FRA Deadline
Staples	Q4 - 2014	
Midway	Q2 - 2015	12/31/2015
Wayzata	Q4 - 2014	
Northstar -	 PTC Rolling Stock 	Schedule
RFP Issued	Q2 - 2014	Complete
Award Contract	Q4 - 2014	In process
Installation Training and Testing	Q1 - 2015	
Northstar Test Train	Q1 - 2015	
Qualify Fleet and Invoice Project	Q2/3 - 2015	
PTC in operation	Q4 - 2015	



Northstar FFGA

Budget Balance	\$6,674,000
Ongoing Work SFA 21,22*	\$4,950,000
Estimated Balance at Closeout	\$1,724,000
*SFA #22 approved to \$2,0 amended to \$4,400,000	00,000; needs to be



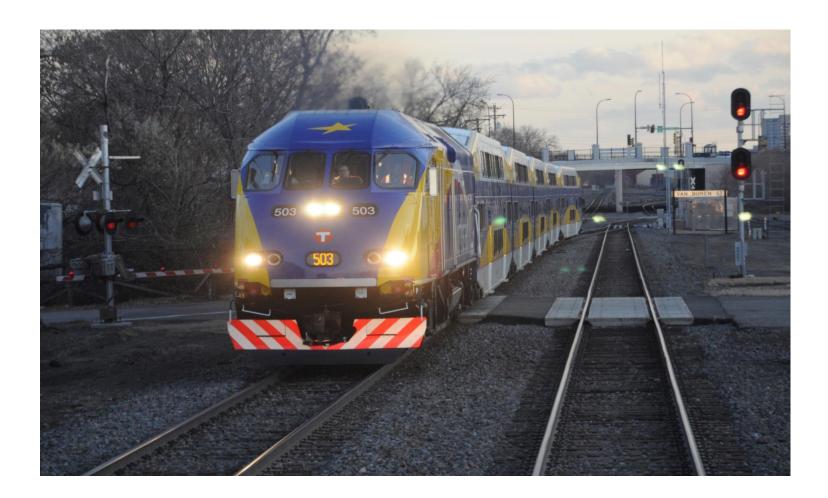


Northstar SFA # 22

Current Value	\$2,000,000
Wayside Equipment	\$1,000,000
Rolling Stock Equipment	\$1,000,000
Amount Requested	\$2,400,000
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	42 , 100,000
Amended Value	\$4,400,000







Questions?

