



Northstar Commuter Rail

Positive Train Control Project

John Paul Zanaska

Director, Commuter Rail

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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	12/31/2015
Midway	Q2 - 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
<i>*SFA #22 approved to \$2,000,000; needs to be amended to \$4,400,000</i>	

Northstar SFA # 22

Current Value	\$2,000,000
Wayside Equipment	\$1,000,000
Rolling Stock Equipment	\$1,000,000
Amount Requested	\$2,400,000
Amended Value	\$4,400,000
Wayside Equipment	\$1,000,000
Rolling Stock Equipment	\$3,400,000



Questions?