



Rail Control Center (RCC) Upgrade

Transportation Committee
July 28, 2014

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Today's Presentation

- RCC Overview
- Green Line
- Northstar
- Emergency Telephone System
- CCTV system

RCC Overview

- “Air traffic control” for trains
 - SCADA – Supervisory Control And Data Acquisition
 - Train Movements
 - Switch alignments
 - Electrical power
 - Rail Signal System
 - Incident Management
- Staffed 24/7/365
 - Blue, Green, Downtown Mpls, Northstar
 - Senior Supervisor

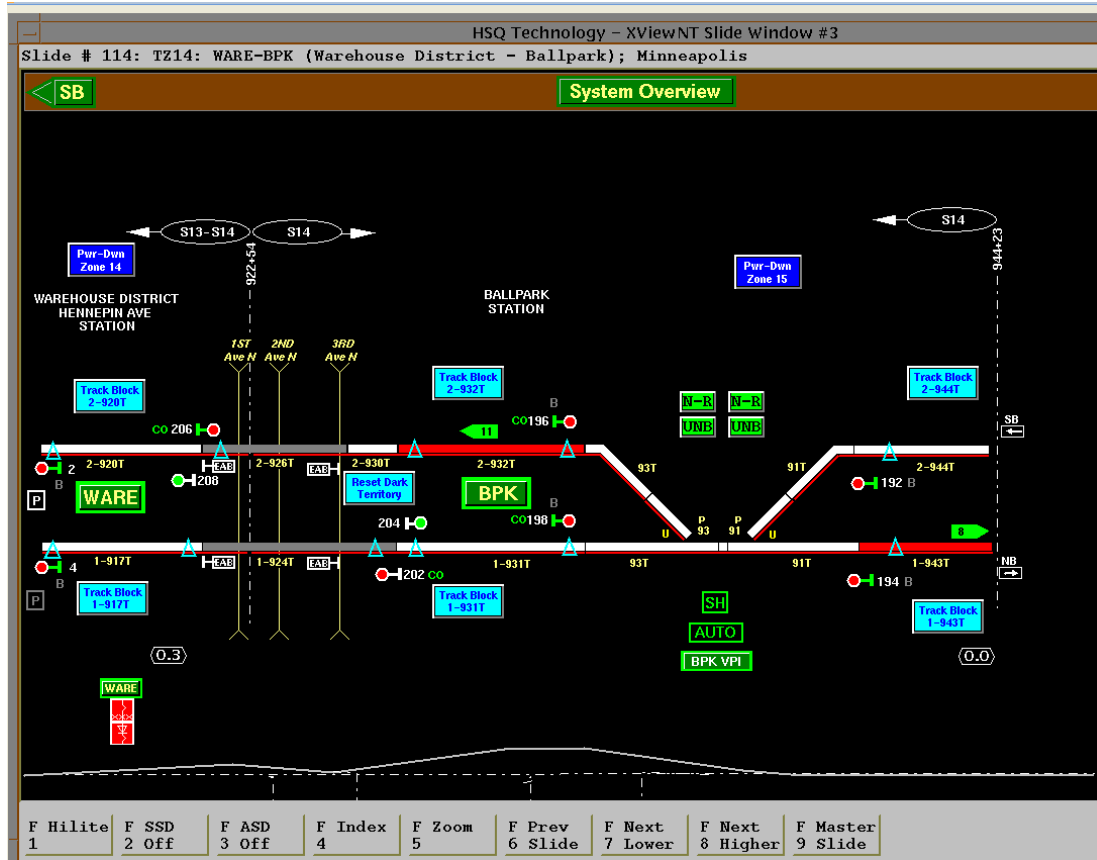
2004-2013 Overview Screen



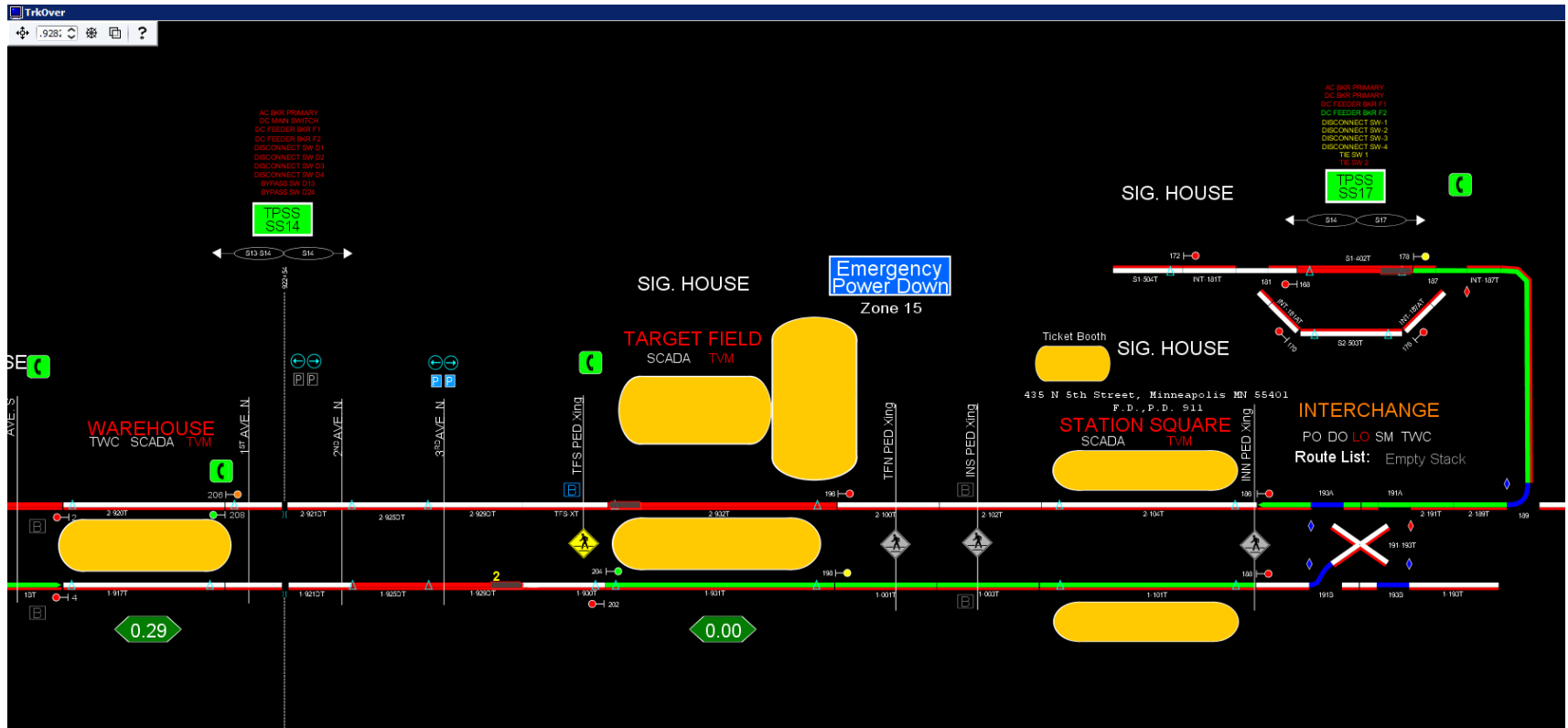
New SCADA Overview Screen



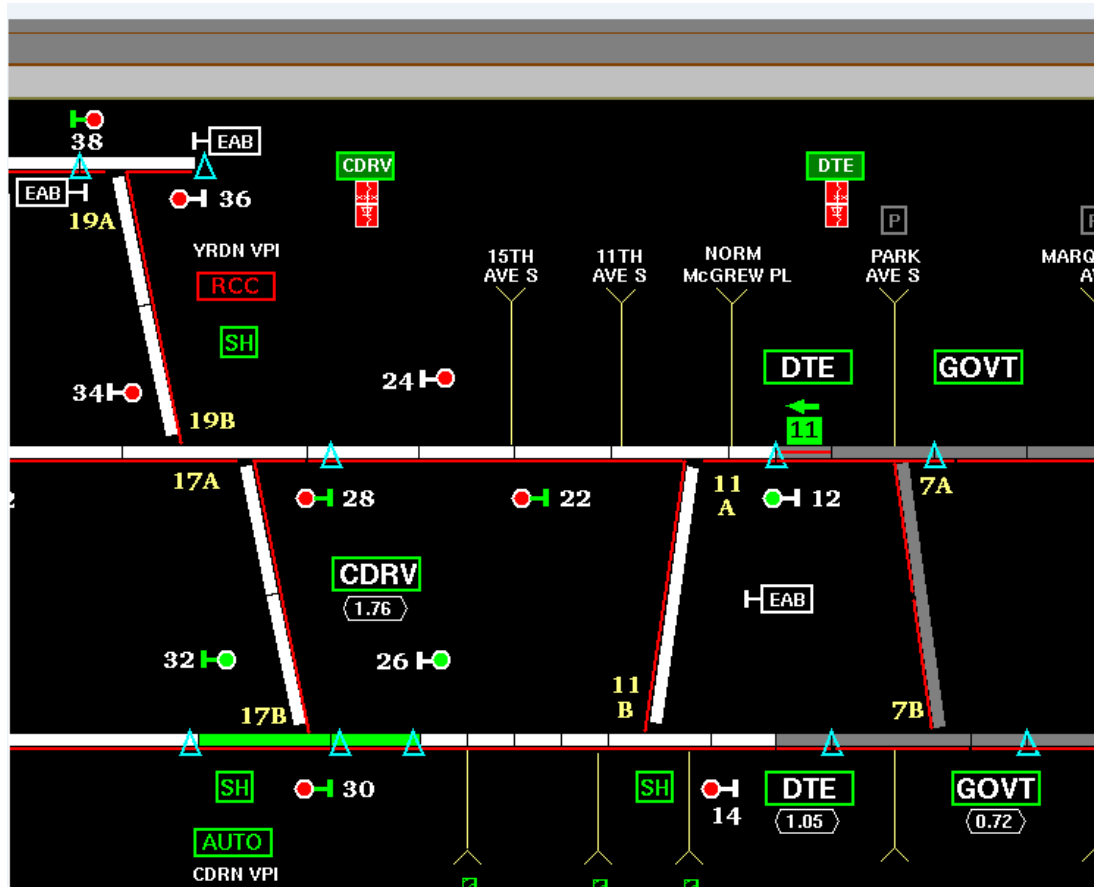
Pre 2013 SCADA: Warehouse to Target Field



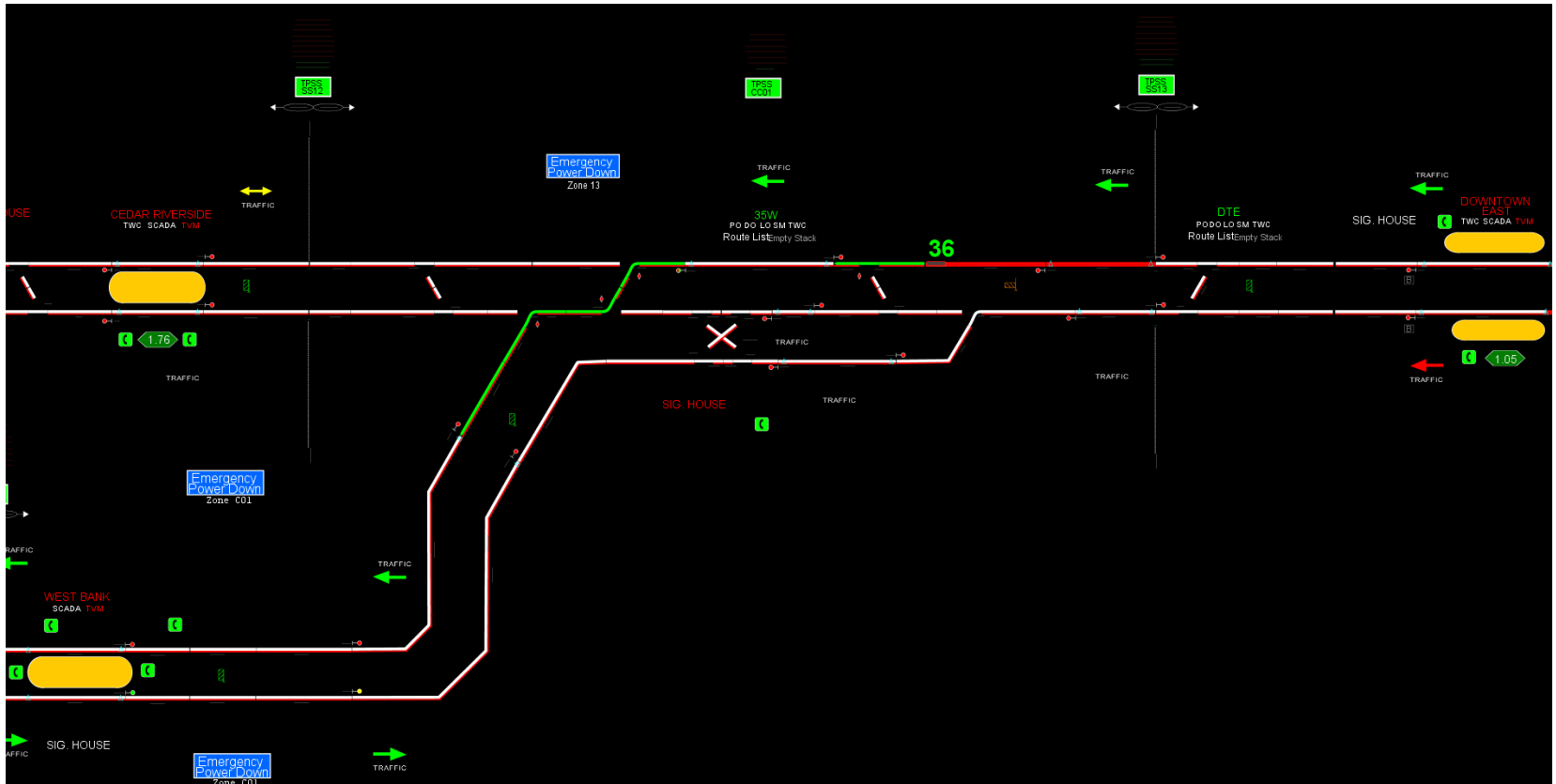
New SCADA: Warehouse to Interchange



Pre 2013 SCADA: Cedar-Riverside to Downtown East



New SCADA: 35W interlocking



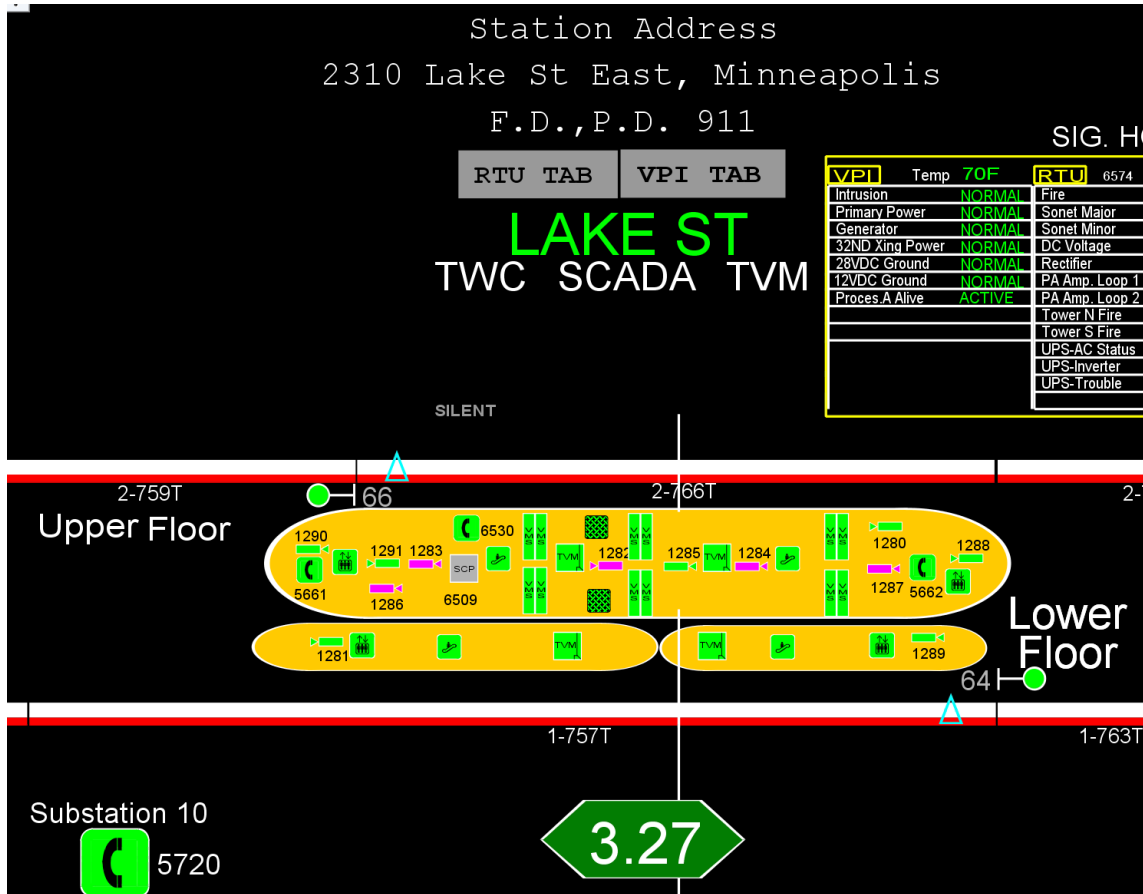
Northstar oversight

- Transition of Northstar from TCC to RCC occurred in March of 2014.
- Enhancements made to the oversight:
 - Customer Information
 - Overview monitor
- Service Disruption Customer Notification Plan

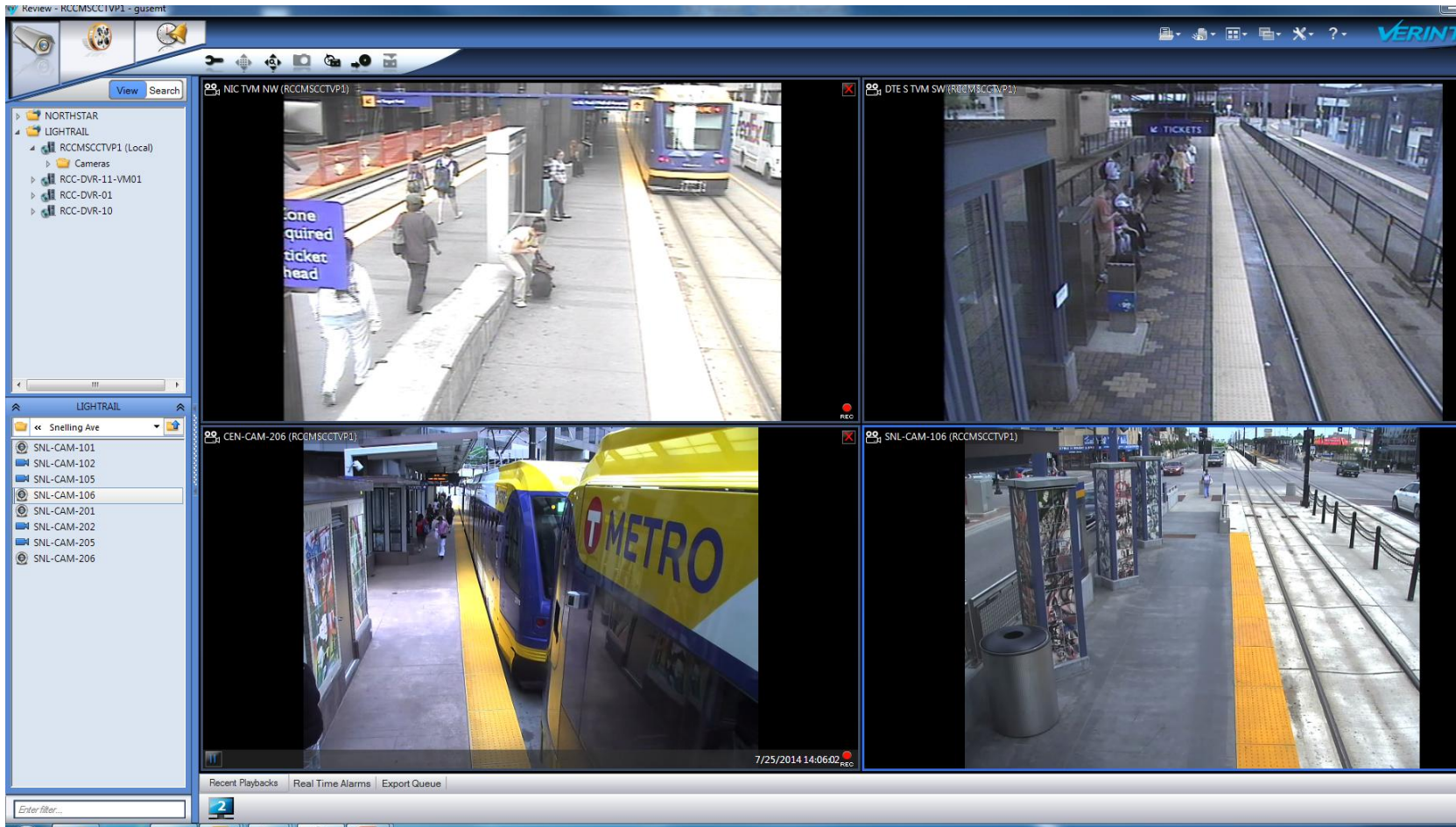
BNSF Overview Screen



Emergency Telephone System in SCADA



CCTV System





Questions?