



Regional  
Transportation  
Authority

# Metra Parking Management Guidance System (PMGS)

ITS PCB T3 Webinar  
October 21, 2008



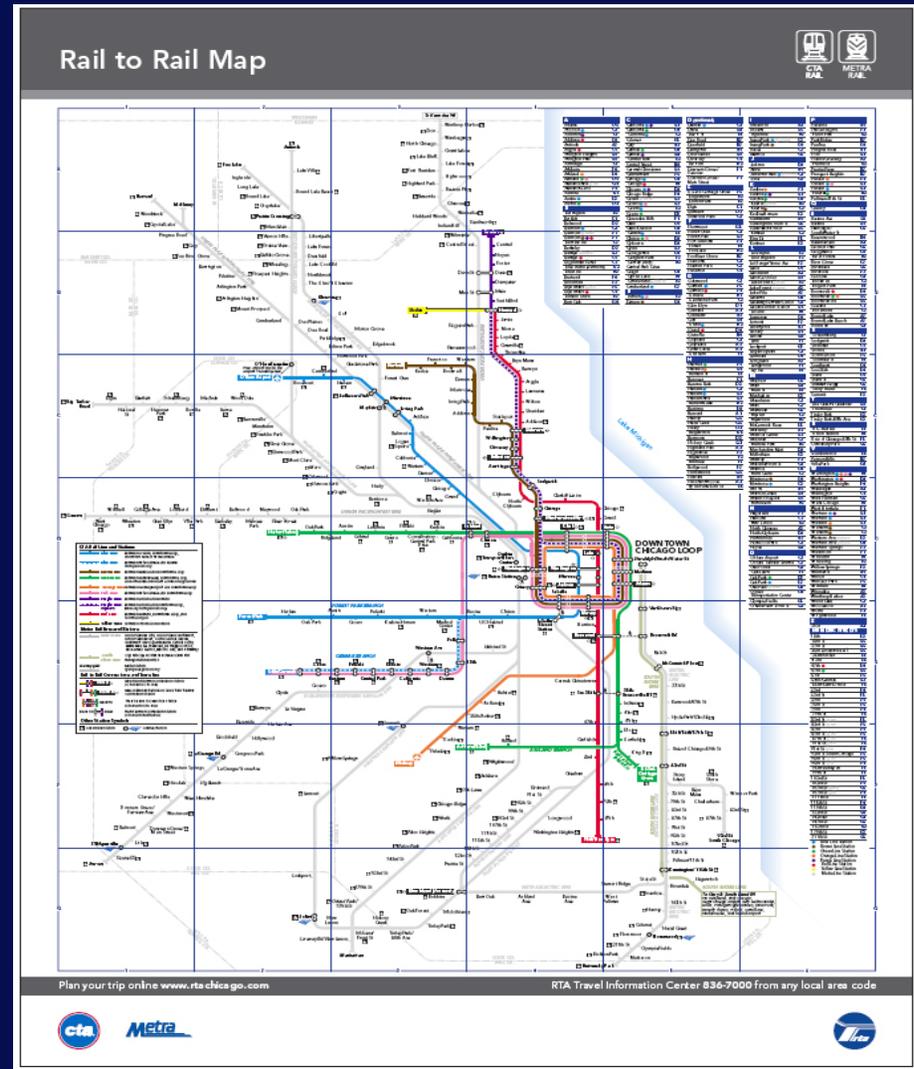
United States Department of Transportation  
Federal Transit Administration



Research and Innovative Technology Administration

# RTA Background

- Heavy and commuter rail
- Urban and suburban bus
- 6 counties, 3,700 square miles, and 260+ municipalities
- Second largest transit system in the U.S.
- 2 million trips per weekday



# PMGS Description

- Part of the RTA's Transit ITS Plan
- System Objectives
  - Provide real-time space availability in commuter rail station parking facilities
  - Allow customers to make critical and timely decisions on their commuting options



# PMGS Goals

- More effective use of existing transit infrastructure
  - Increased transit ridership
  - Greater parking efficiency
- Increased customer satisfaction
  - Information availability
  - Reduced parking lot circulation times
- Improve corridor operations
  - Reduced congestion
  - Incident management tool
- Air quality improvements

# Participating Entities

- United States Department of Transportation (USDOT)
- Metra Commuter Rail
- City of Mokena
- Village of Tinley Park
- Cook and Will Counties
- Illinois Department of Transportation

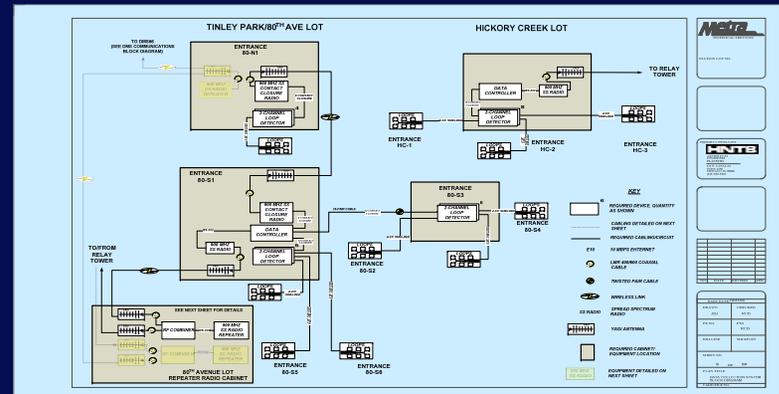
# PMGS History

## Site Selection



## Installation

## System Design

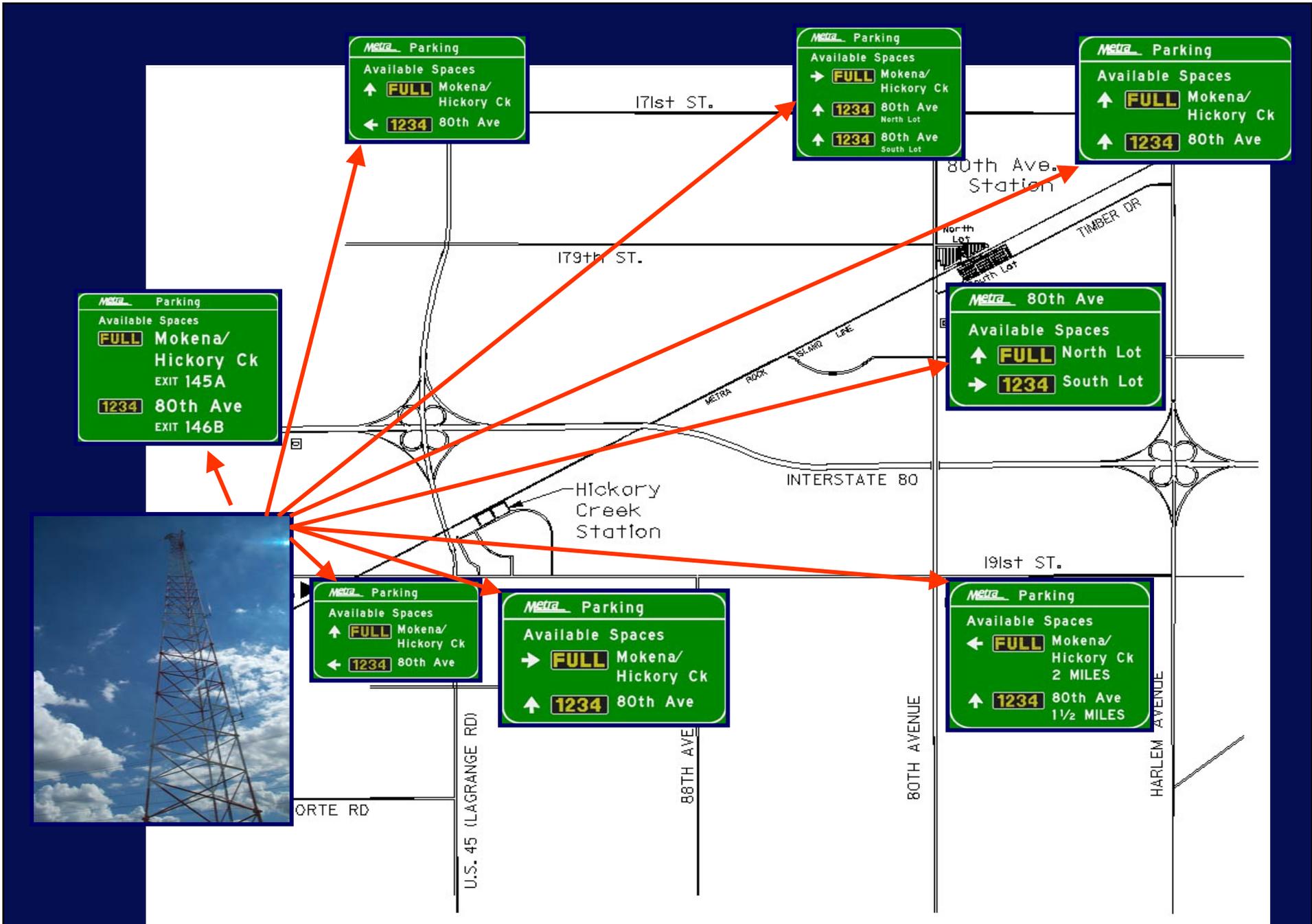


## Operation

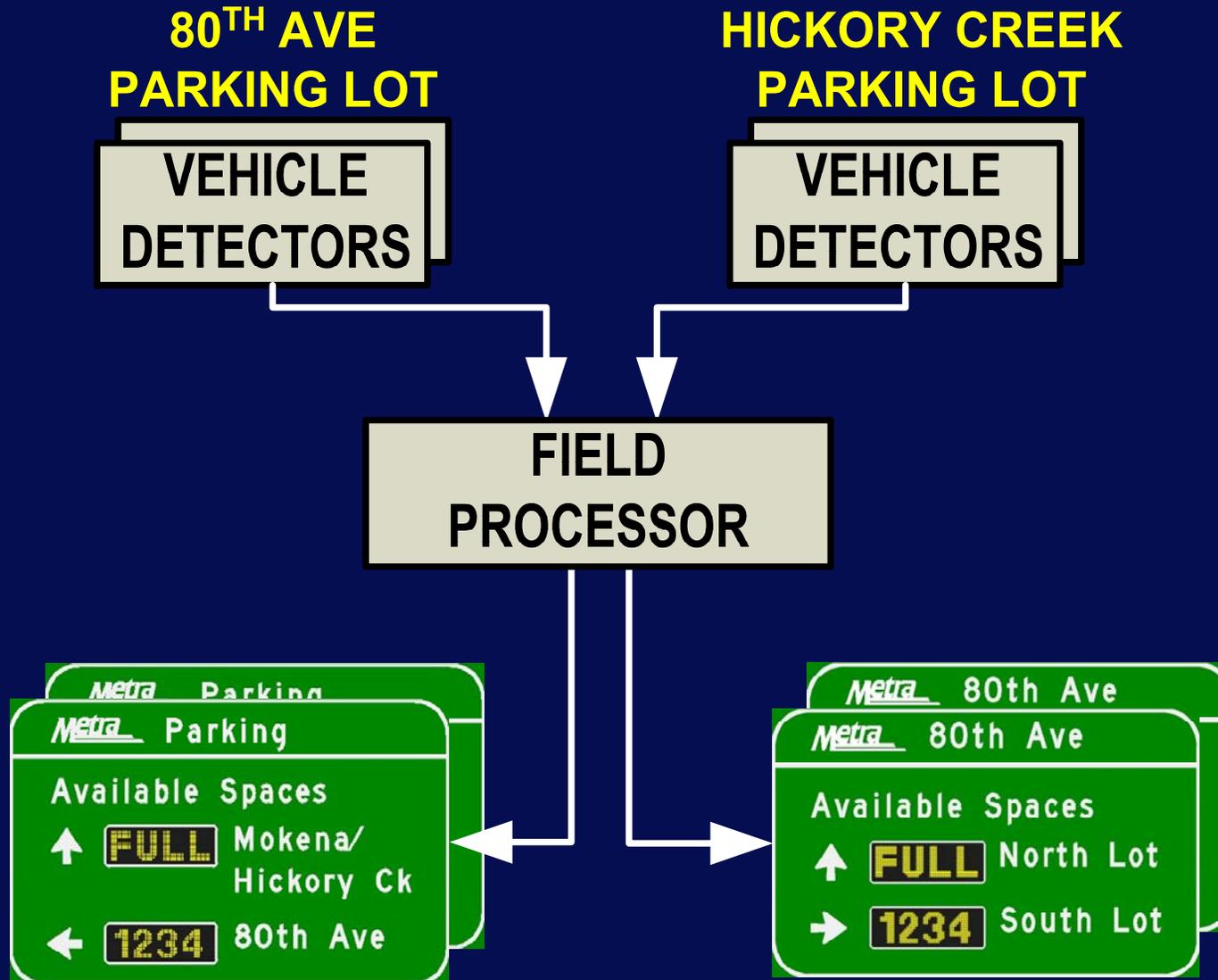
# Site Selection: PMGS Demo Corridor

- Peak Parking Occupancy
- Total # of Unrestricted Spaces
- Proximity to Expressways
- Inter-Station Groups





# Design: System Configuration



# Technical Lessons Learned

- Strong institutional partnerships
- Define site selection criteria
  - PMGS treatment is not for every corridor
- Define sign location criteria
- Lane delineation
- Communication



# Contact Information

Gerwin J. Tumbali

Phone: 312-913-3251

E-Mail: [tumbalig@rtachicago.org](mailto:tumbalig@rtachicago.org)



United States Department of Transportation  
Federal Transit Administration



Research and Innovative Technology Administration