



Gateway Cities Traffic Signal Synchronization and Bus Speed Improvement Project

I-5/Telegraph Road Corridor

Siemens Energy & Automation, Inc.

Gardner Transportation Systems

02/15/01



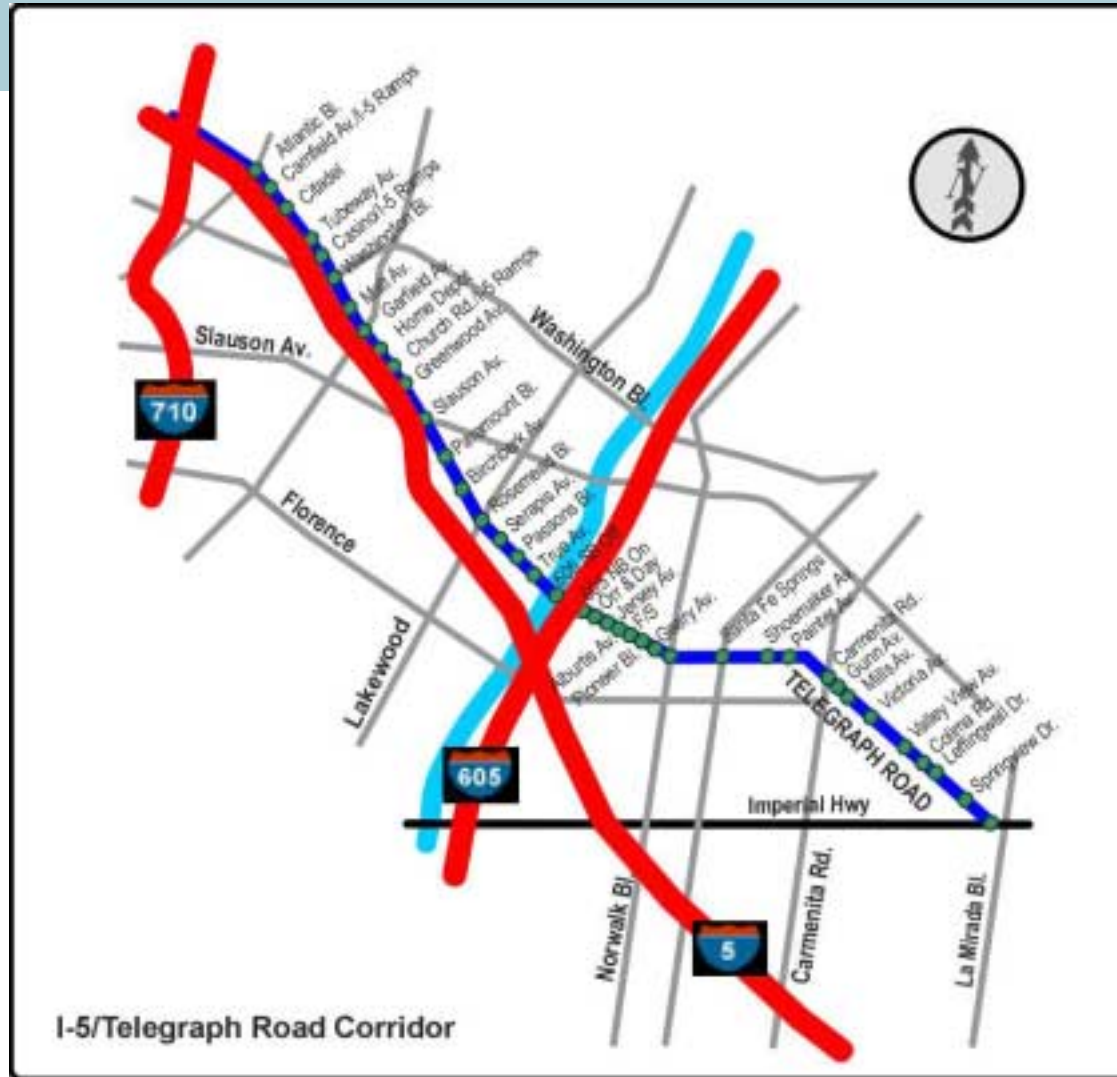
Today's Agenda



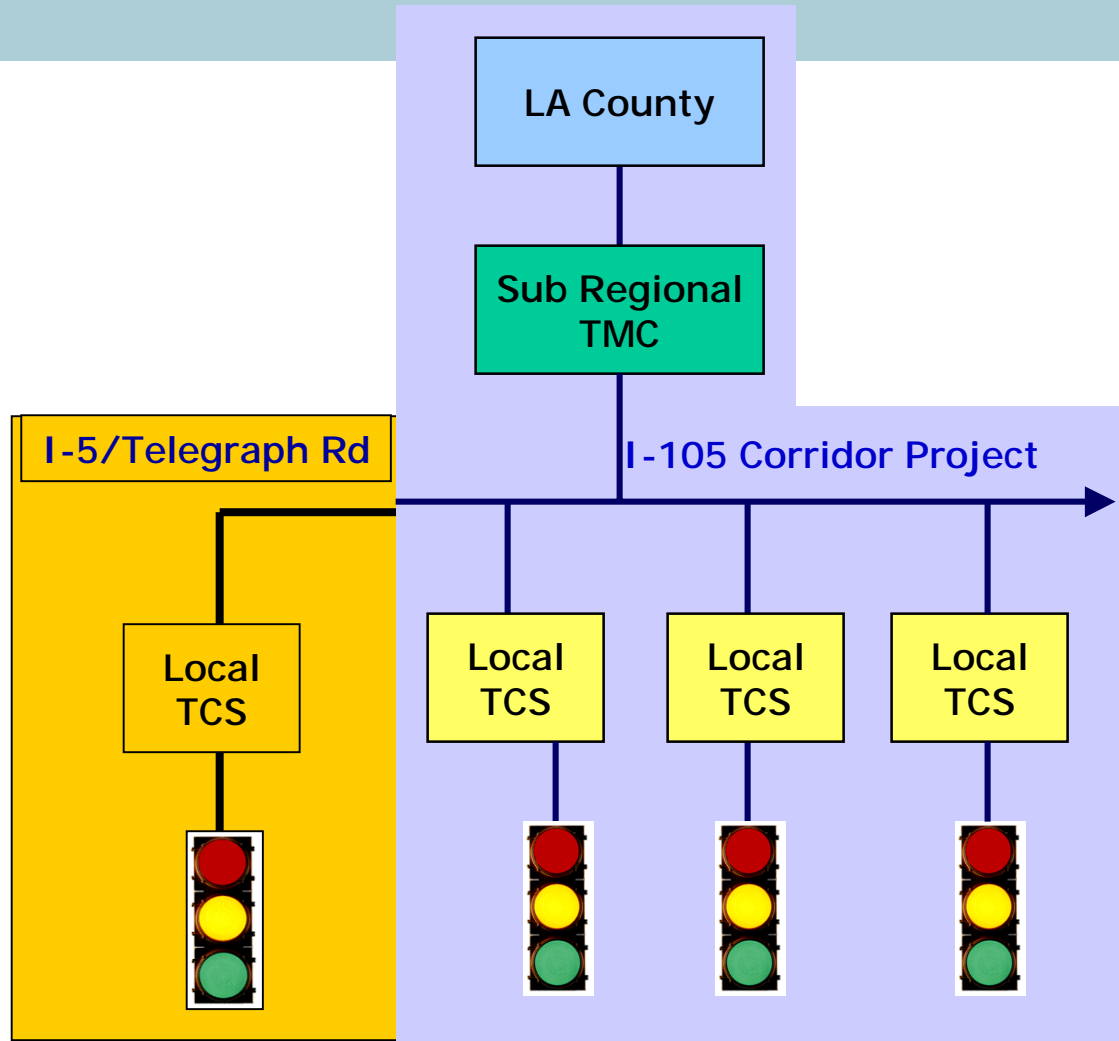
- Review of Overall Project
- Project Status
- Results of Stakeholders' Objectives Analysis
- Next Steps



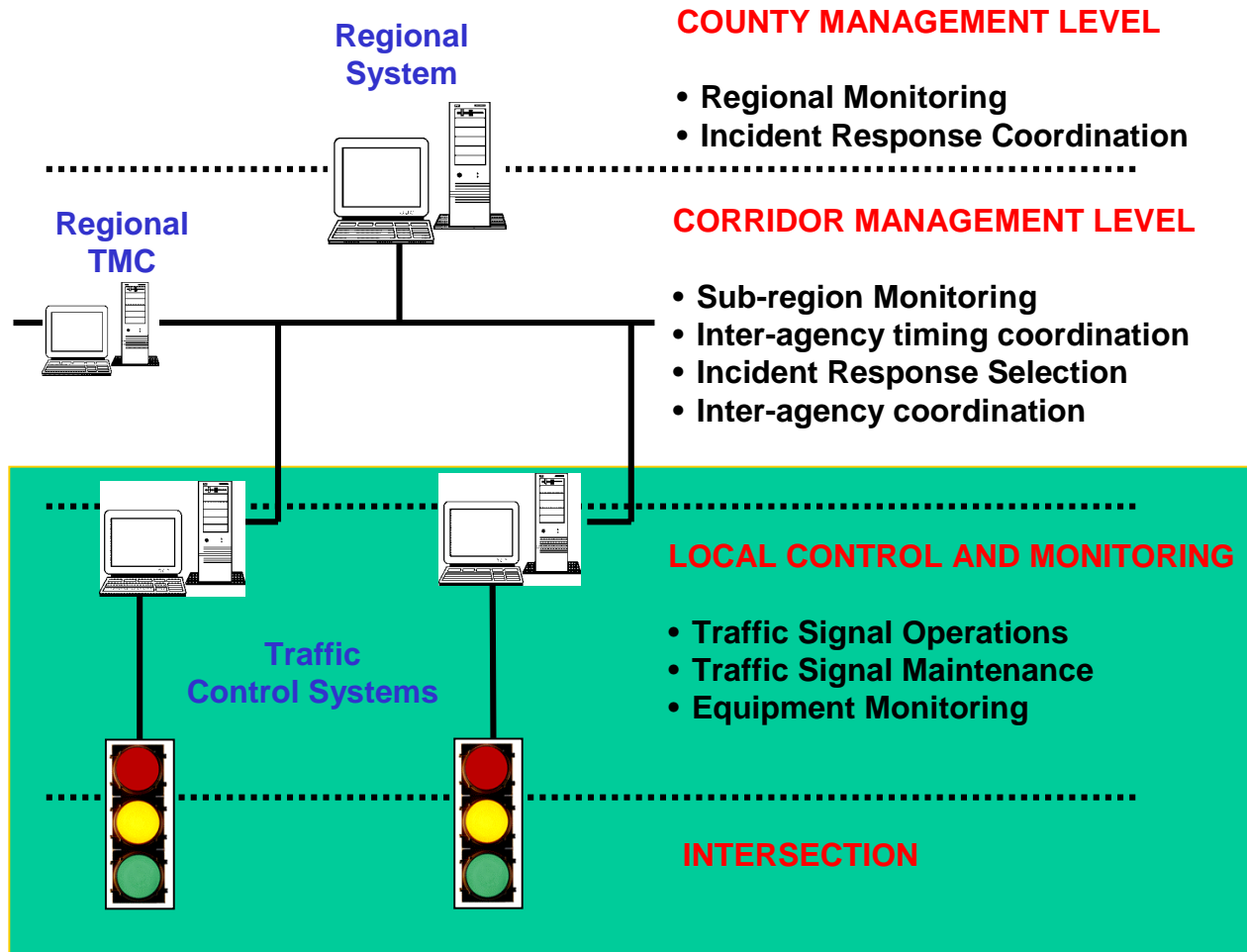
Project Area



Relationship with other Projects



Project Focus



Project Status



- | | |
|--------------------------|--|
| • Web Page | Complete |
| • Agency Interviews: | Complete |
| • Field Surveys: | Complete |
| • Operational Objectives | Combined Draft submitted
and reviewed by County |
| • City Reports | |
| • User requirements: | In progress |



Stakeholders Objectives Analysis



- Agencies Interviewed:
 - Commerce
 - Montebello
 - Downey
 - Pico Rivera
 - Santa Fe Springs
 - La Mirada
 - County of Los Angeles DPW
 - Caltrans

Survey of Current Situation



Agency	Number of Controllers in the Project Area	Type of Controllers/ Firmware	TCS	Communications Along Telegraph Road
Commerce	7	Type 170/ Bitran 200	QuicNet 4	TWP
Downey	6	Type 170/ LACO	None	None
La Mirada	2	Type 170/ LACO	None	None
Montebello	2	Type 170/ LACO	None	None
Pico Rivera	6	Type 170/ LACO	None	None
Santa Fe Springs	11	Econolite/ Econolite	None	None
LA County	6	Type 170/ LACO	None	None
Caltrans	5	Type 170/ C8	QuicNet II	None



Agency Analysis (1)



Agency

Operations

Maintenance

Commerce

- Improve timings
- Interagency coord.
- CCTV Surveillance
- Enhanced TCS

- Continue with SMI
- Improve response through TCS monitoring and inter-department sharing

Montebello

- Improve signal operations through TCS and signal upgrades

- Continue with County



Agency Analysis (2)



Agency	Operations	Maintenance
Downey	<ul style="list-style-type: none">• Install ATMS• Dedicate staff• Automate:<ul style="list-style-type: none">• Data collection• Timing plan gen• Incident detection	<ul style="list-style-type: none">• Continue with County
Pico Rivera	<ul style="list-style-type: none">• No additional operational responsibilities	<ul style="list-style-type: none">• Continue with County• Minimize costs



Agency Analysis (3)



Agency	Operations	Maintenance
Santa Fe Springs	<ul style="list-style-type: none">• Interagency coord.• Install TCS	<ul style="list-style-type: none">• Continue/agency• Improve response through TCS monitoring
La Mirada	<ul style="list-style-type: none">• Continue with County operations• Improve service through TCS	<ul style="list-style-type: none">• Continue with County• Provide City with visibility of signal problems



Agency Analysis (4)



Agency	Operations	Maintenance
Los Angeles County	<ul style="list-style-type: none">• Corridor Signals to come under the control and monitoring of the County's future TCS	<ul style="list-style-type: none">• The TCS must support the County's maintenance activity
Caltrans	<ul style="list-style-type: none">• Wish to be pro-active in interagency coord.• Regionally integrated TCSs will improve signal operations with local agencies	<ul style="list-style-type: none">• Continue with Caltrans forces



Summary of Interviews



- Generally supportive of Project
- Lack staff resources to increase current operational level of effort
- Lack the equipment (field/central) to be able to manage the arterials optimally
- Recognize the need for and benefits of improved inter-agency coordination
- Wish to have traffic condition monitoring and alarming as well as traffic equipment monitoring
- Need solutions that combine monitoring with automated response

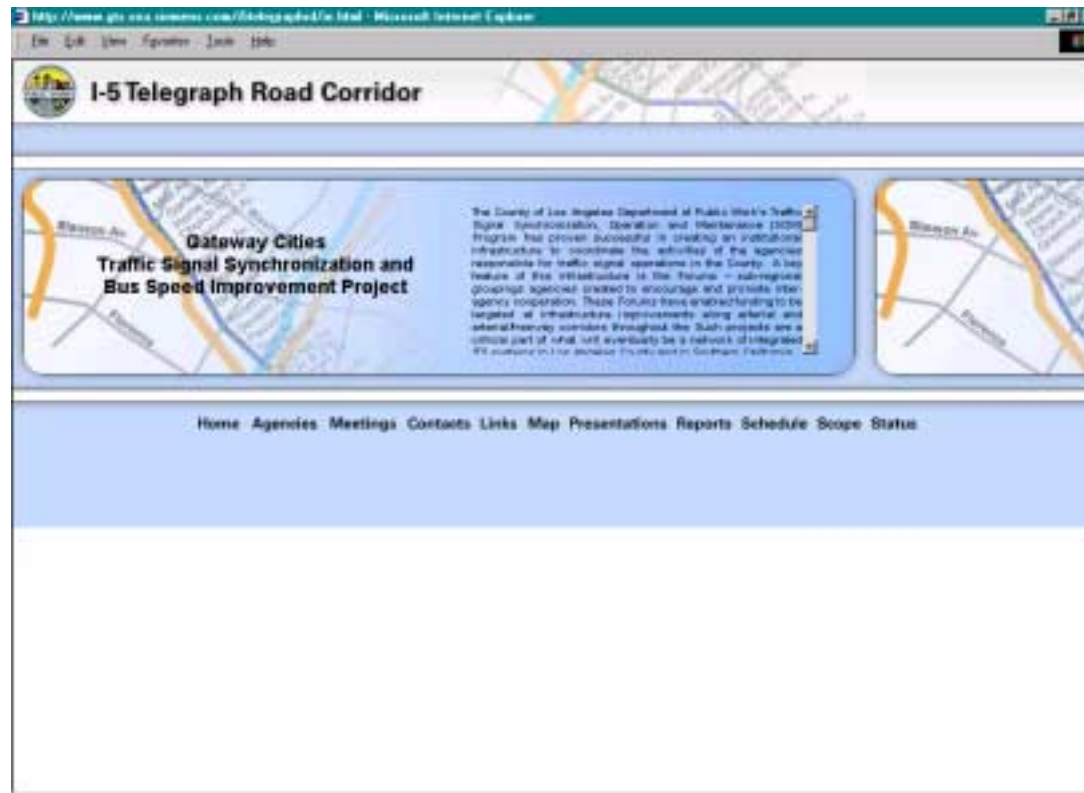


Next Steps



- Revise Draft to incorporate County comments and circulate to Agencies for review:
 - distribution during week of 2/26
- Develop User Requirements





www.gts.sea.siemens.com

