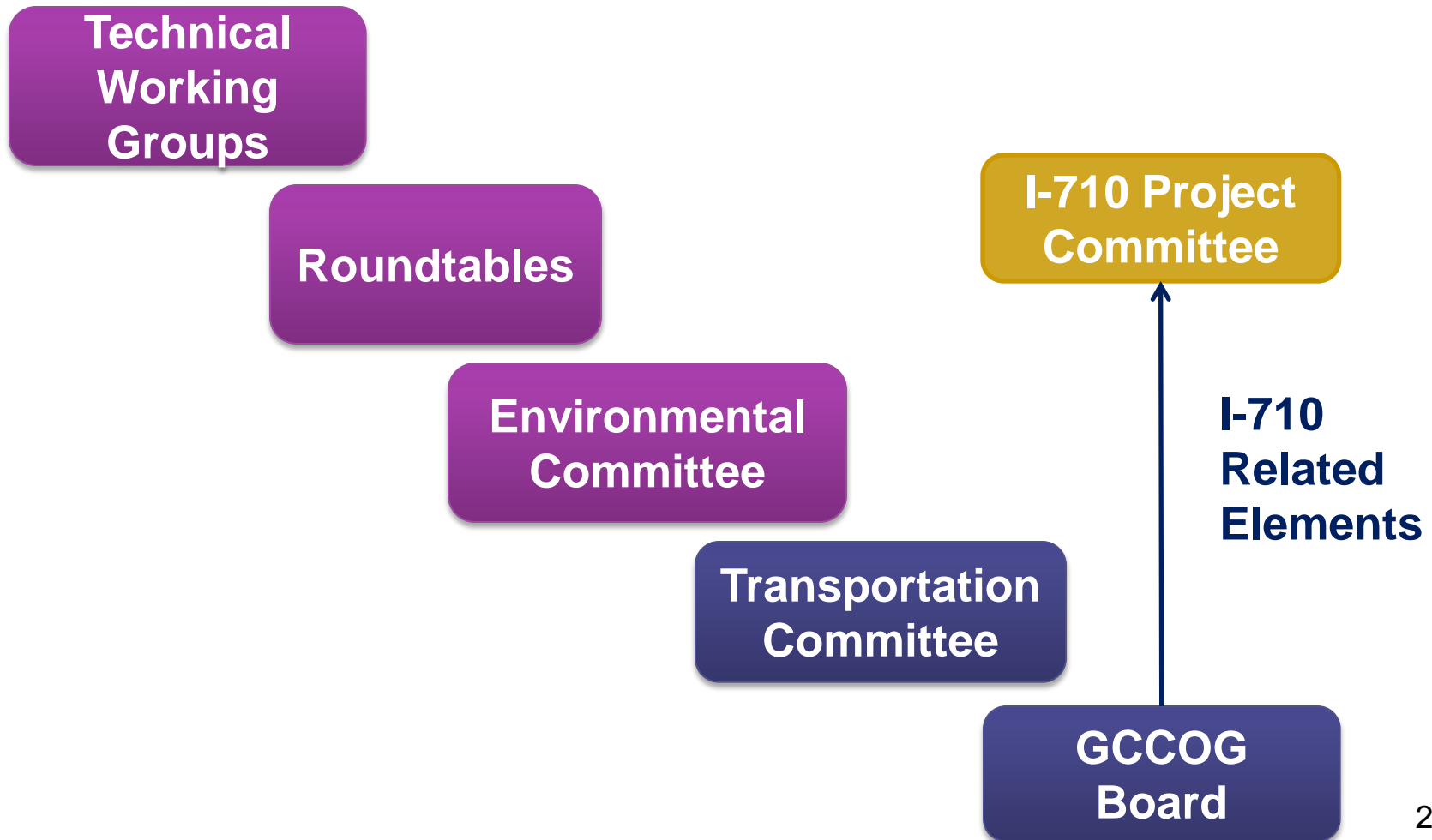


The Gateway Cities
Air Quality Action Plan

AQAP Update

Technical and Advisory Roundtables
August 10 & 11, 2011

Participation Framework



AQAP Task Update

Technical Tasks	Status
Comm. Medical Needs Assessment	In Process
I-710 Near Roadway Modeling	In Process
I-710 Ultrafines	In Process
Air Quality Protocol	In Process
Compendium Update	In Process
Quantitative Air Quality Analysis	In Process
I-710 Construction Staging and Phasing Assessment	In Process
The I-710 Health Impact Assessment	In Process
Health Risk Assessment	In Process
Develop Air Quality Strategies	Task starts in 2012
Analysis of New Air Quality Measures	Task starts in 2012
Early Action Support	In Process
Develop AQAP Report	Task start in April 2012
Public Outreach	In Process

I-710 EIR/EIS and AQAP Scope of Work Relationship

I-710 EIR/EIS

- **Technical Studies**
 - **Noise**
 - **AQ/HRA**
 - **Comm. Impact Assessment**
 - **and many more**

Gateway Cities AQAP

- **Emissions Inventory**
- **AQ/HRA**
- **Develop AQ Strategies**
- **Compendium Update**
- **CMNA**
- **I-710 HIA**
- **I-710 Construction Staging and Phasing**
- **I-710 Near Roadway Modeling (Ultrafines)**

I-710 EIR/EIS and AQAP Scope of Work Relationship

I-710 EIR/EIS

- **Technical Studies**
 - Noise
 - AQ/HRA
 - Comm. Impact Assessment
 - and many more

Gateway Cities AQAP

- CMNA
- **HIA**
- Construction Staging and Phasing
- Near Roadway Modeling (Ultrafines)
- Emissions Inventory
- Develop AQ Strategies
- Compendium Update

I-710 EIR/EIS and AQAP Scope of Work Relationship

I-710 EIR/EIS

- Technical Studies
 - Noise
 - AQ/HRA
 - Comm. Impact Assessment
 - and many more

*Gateway Cities AQAP

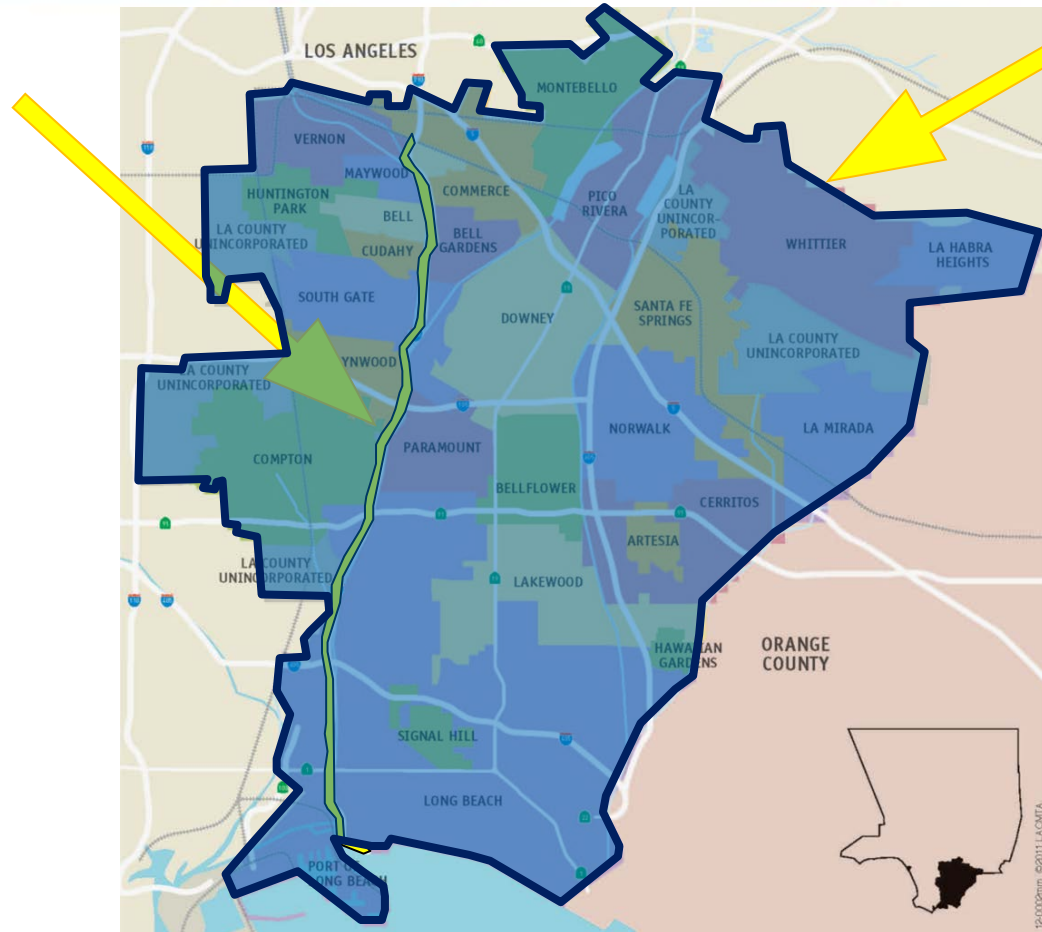
- CMNA
- HIA
- Construction Staging and Phasing
- Near Roadway Modeling (Ultrafines)
- Emissions Inventory
- Develop AQ Strategies
- Compendium Update

*The AQAP tasks indicated are scheduled to be completed by the end of November for consideration in Draft I-710 EIR/EIS

Project Study Areas

I-710

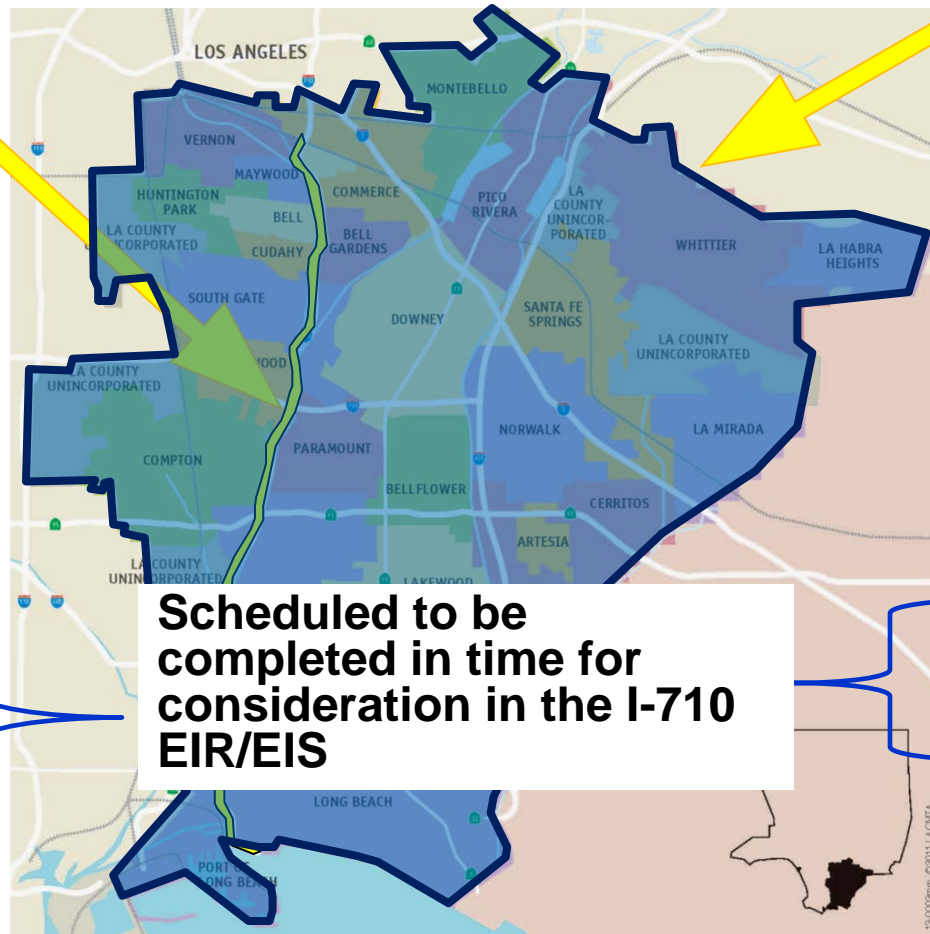
Gateway Cities COG
Subregion



DRAFT

Project Study Areas

I-710



Gateway Cities COG Subregion

I-710 EIR/EIS

Numerous Technical Studies (Noise, AQ/HRA)

I-710 HIA

I-710 Near Roadway Modeling (Ultrafines)

I-710 Construction Staging and Phasing

Emissions Inventory

AQ/HRA

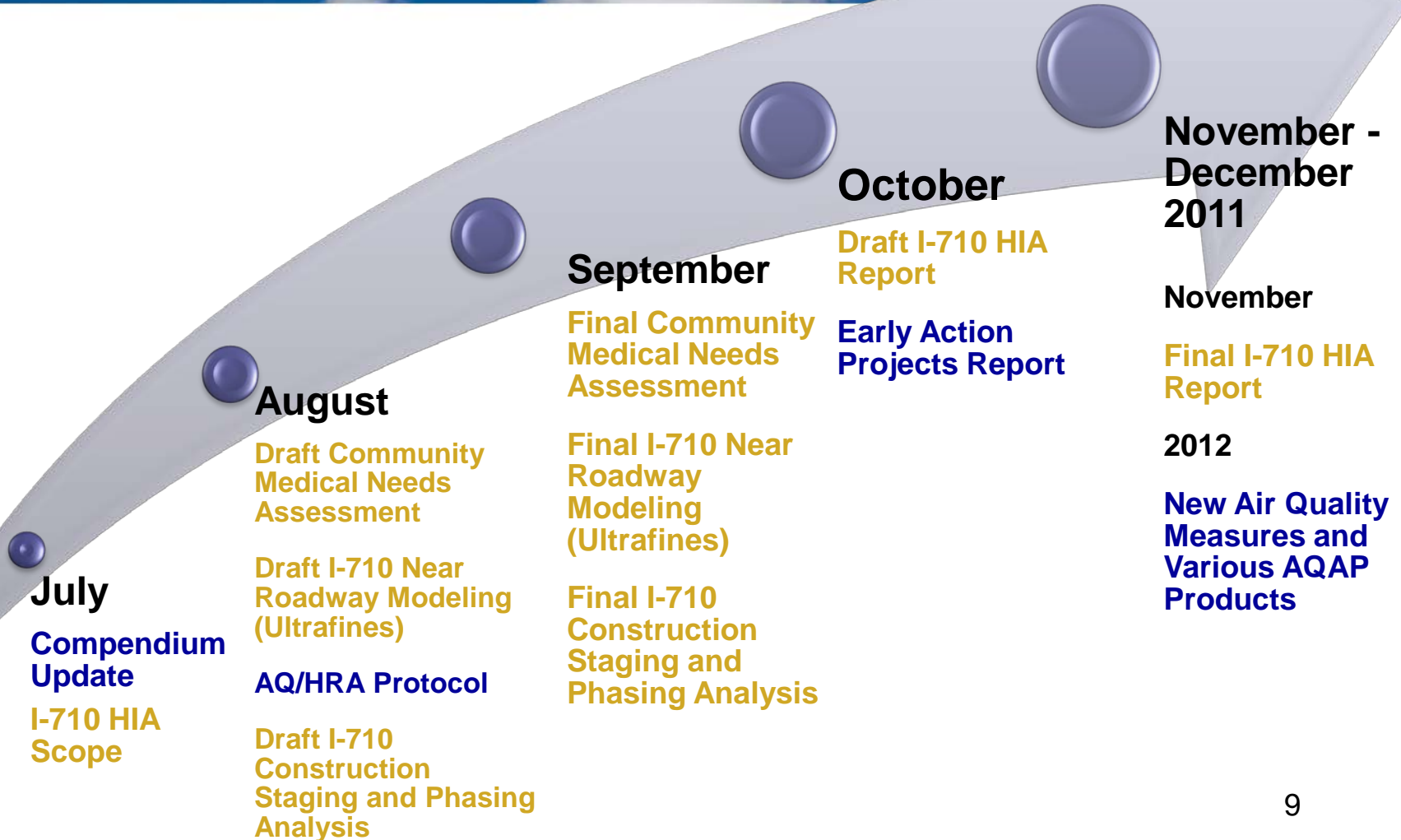
New AQ Measures

Compendium Update

Community Medical Needs Assessment

Scheduled to be completed in time for consideration in the I-710 EIR/EIS

AQAP Six Month Outlook



Note: Tasks shown in gold are scheduled to be completed in time for consideration in the I-710 EIR/EIS

AQAP Project Overview

Two Groups of Activities:

- **AQAP**
- **I-710 Related Studies**

AQAP Task Update

Scope of Work

Data Collection

★ Data Analysis

Report Prep

Framework
Discussion

Community Medical Needs Assessment

- Data collection complete
- Discuss Findings at August Roundtables

AQAP Task Update

Scope of Work

Data Collection

★ Run Model

Analyze Model
Output

Prepare Report

Framework
Discussion

I-710 Near Roadway Modeling Assessment

- Modeling is complete
- Analyzing modeled data and comparing to monitoring (AQMD and USC) data
- Discuss Findings at August Roundtables

AQAP Task Update

Task Outline

**Literature
Review**

Analysis

Report Prep

**Framework
Discussion**

I-710 Ultrafines

- Literature review complete
- Report preparation initiated
- Discuss Findings at August Roundtables

AQAP Task Update

Draft Protocol
Development

Framework
Discussion

Final Protocol
Development

★ Final Protocol
Prep

Framework
Discussion

Air Quality Protocol

- Final Protocol being prepared
- Discuss Findings at August Roundtables

AQAP Task Update

Review 2006
Compendium

Review Recent
Regulations

Interview Ports

Prepare Draft
Document

★ Framework
Discussion

Compendium Update

- Draft Compendium presented at July Technical and Advisory Roundtables
- Proceeding to Environmental Committee

COMPLETED

AQAP Task Update

Develop Protocol

Collect Data

Prepare Model Inputs

Run Model

Evaluate Model
Performance

Evaluate Change in
AQ

Prepare Report

Framework
Discussion

Quantitative Air Quality Analysis

- This task will Implement the AQ/HRA Protocol (previous slide)
- Initiating Data Collection.

AQAP Task Update

Develop Protocol

COG Staging and
Phasing Plan

Prepare Emission
Model

Develop Emission
Inventory

Prepare Report

Framework
Discussion

Impacts from I-710 Construction Staging and Phasing

- Completed Draft Modeling
- ★ • Expect revised population data for construction equipment (age, hp, qty.) from CARB in late July
- Update model
- Discuss Findings at August Roundtables

AQAP Task Update

Draft Scope

Framework
Discussion

Data
Assessment

★ Report
Preparation

Framework
Discussion

I-710 Health Impact Assessment

- Conducted 3rd HIA TWG
- Draft Scope Considered during recent Technical and Advisory Roundtables (feedback by 7/27)
- Draft Scope Proceeding to Environmental Committee
- Discuss Findings at August Roundtables

AQAP Task Update

Develop Protocol

Collect Data

Prepare Model Inputs

Run Model

Evaluate Model
Performance

Evaluate Change in
AQ

Prepare Report

Framework
Discussion

Health Risk Assessment

- Finalizing AQ/HRA Protocol
- Starting Model Input Preparation

AQAP Task Update

Review Early
Action Items

Conduct
Evaluation

Consult with
Environmental
Groups

Consult with
Local Gov't's

Determine
Support Rqmt's

Develop Early
Action Plan

Framework
Discussion

Early Action Items for Local Gov't

- Reviewing Early Action Items (9) from the 2007 AQAP Development Plan Report.
- Completed evaluation of status of Early Action Items
- Initiated Research on remaining Early Action Implementation.

AQAP Project Overview Schedule

