



South Bay Highway Program

Strategic Transportation Element IWG Update

October 24, 2012

STE – Scope & Schedule

- **Develop SBHP Operational Performance Goals and Objectives** (*completed*)
- **Assess Existing 2011 Baseline Conditions** (*completed*)
 - Freeway assessment (*completed*)
 - Highway assessment (to extent data is available) (*completed*)
 - Arterial assessment – Investigate current data availability, identify data gaps, and assess data needs (*completed*)
- **Establish Performance Benchmarks** (*completed*)
- **Assess Candidate Projects to Goals and Objectives** – *in progress (mid-Nov)*
- **Establish Performance Targets & Monitoring Process** – *in progress (end of Nov)*
- **Final STE Document** – *in progress (draft Dec)*

SBHP Strategic Goals

- **Promote and develop safe and efficient transportation system through the South Bay sub-region**
 1. **Improve Local and Regional Mobility and Access**
 2. **Improve Travel Reliability and Incident/Event Management**
 3. **Reduce System Demand with Multimodal Strategies**
 4. **Deliver Projects Efficiently and Cost-Effectively**

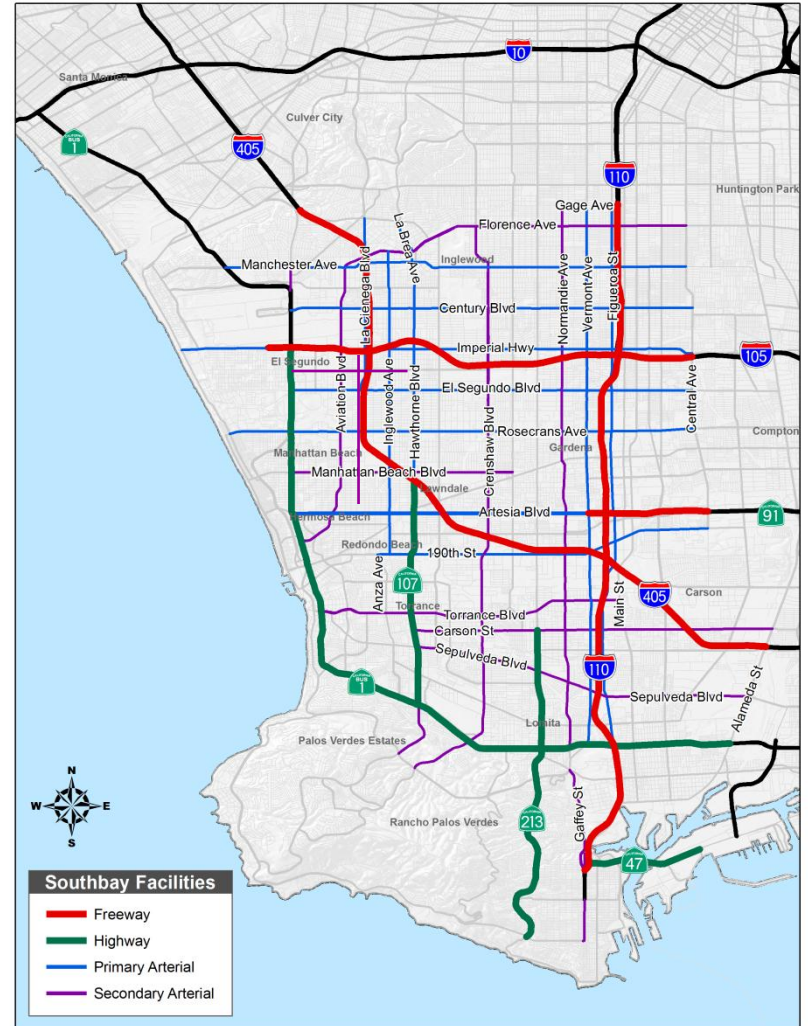
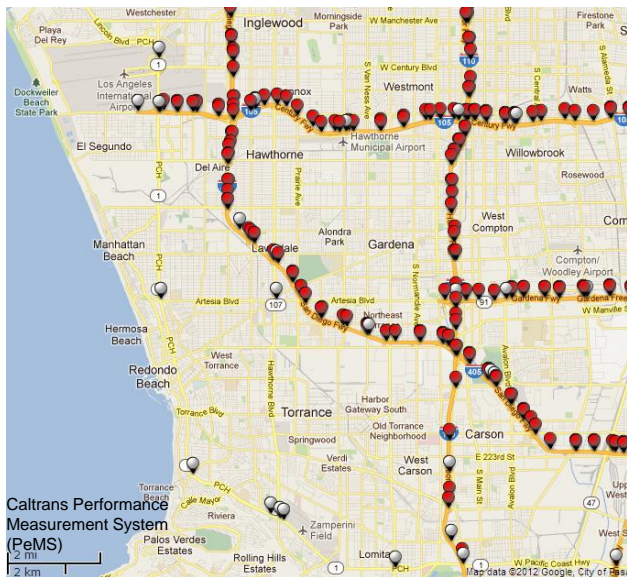


Data Needs Identified (for Evaluations & Monitoring)

- Freeway
 - Data Needs: delay, flow, speed, travel time, VHT, lost lane miles, collisions
- Highways and Arterial Corridors and Intersections
 - Data Needs: delay, flow, speed, travel time, intersection turning movement volume, collisions, signal
- Other
 - Data Needs: ITS usage logs, daily transit vehicle revenue hours, daily transit ridership, SBCCOG website access (hits) logs

SBHP Detection Plan

- Good freeway coverage
- Poor arterial coverage
- ITS Plan: Detection Gap Closure Project
 - Identify potential locations
 - Identify technology approach
 - Develop implementation prioritization



SBHP Detection Plan

- Highway and Arterial Monitoring

- Install I/S detection



- Install mid-block detection



SBHP Detection Plan: LA County DPW South Bay Detection Study

- Detector Locations:
 - Identifying detector locations for improved traffic signal operations
 - 45 intersections have been found to be viable candidates for advance detectors to be re-used as system detectors
- Technology Assessment
 - Prior County technology assessment is being updated to include new technologies and revise costs
 - Experience gained from the SBCCOG/SCAG Carson Street arterial corridor performance assessment project used as basis for design of preferred detector configurations
 - Data requirements derived from the SBHP STE:
 - Travel time
 - Traffic volumes
 - Speed
 - Delay



SBHP Detection Plan: Work Flow

