Traffic, Transit and Commute Info

California 511 Workshop March 3, 2008

Recent 511 Deployer Updates/ Issues







- San Diego Region Launch
 - February 21,2007
 - Partners (Caltrans, CHP, MTS, NCTD & SD SAFE)
 - Telephone & Web
- 1st Year

(SANDAG

- One Million Users (726,000 calls, 370,000 Web)
- Highway Signs (11,900 to 14,500 calls per week)





System Architecture

СТ



Private Sensors



Traffic Data



Transit Data



Operations Data



Baseline Services Web Telephone Public Access TV Broadcast



Value Added Services

Push Info Personalized Info Referral Services Parking Reservations



Traffic



Transit



Roadside Aid

Call Centers Transit, RideLink Bicycling, FasTrak Border Crossings Airport

SAFE





Telephone

Traffic

- Traffic Conditions (Incidents and Congestion)
- Driving Times
- Public Transportation
 - Bus, Trolley, COASTER, Paratransit & Commuter Rail
 - Transfer to call center
 - Real Time Bus information
- Roadside Assistance "Mobile Callbox"
 - Transfer to dispatch center
- RideLink
 - Transfer to RideLink call center
 - Carpools, Vanpools, Commuter services
 - Bicycling
 - GRH
- FasTrak
 - Transfer to Customer service center
- Border Crossing wait times (Otay Mesa, San Ysidro, Tecate)
 - Recorded message
- Airport

 Transfer to call center

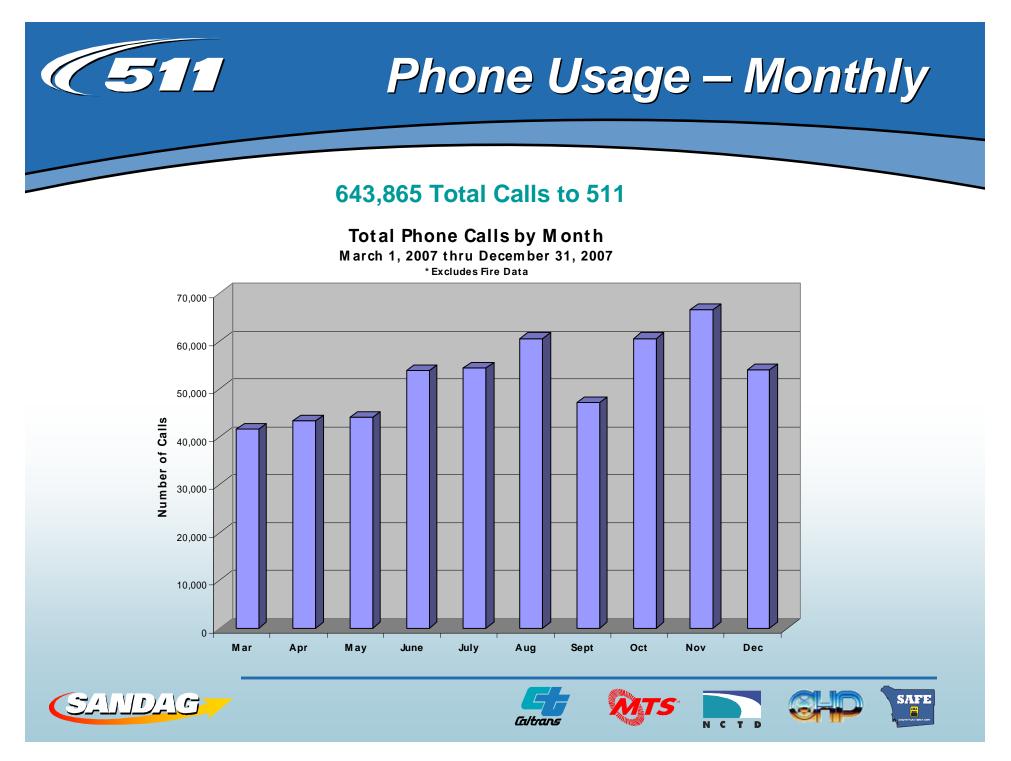






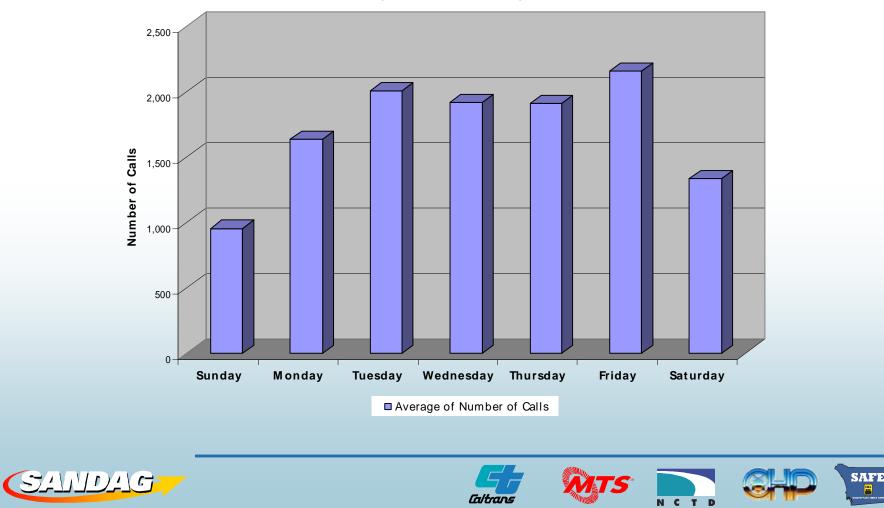




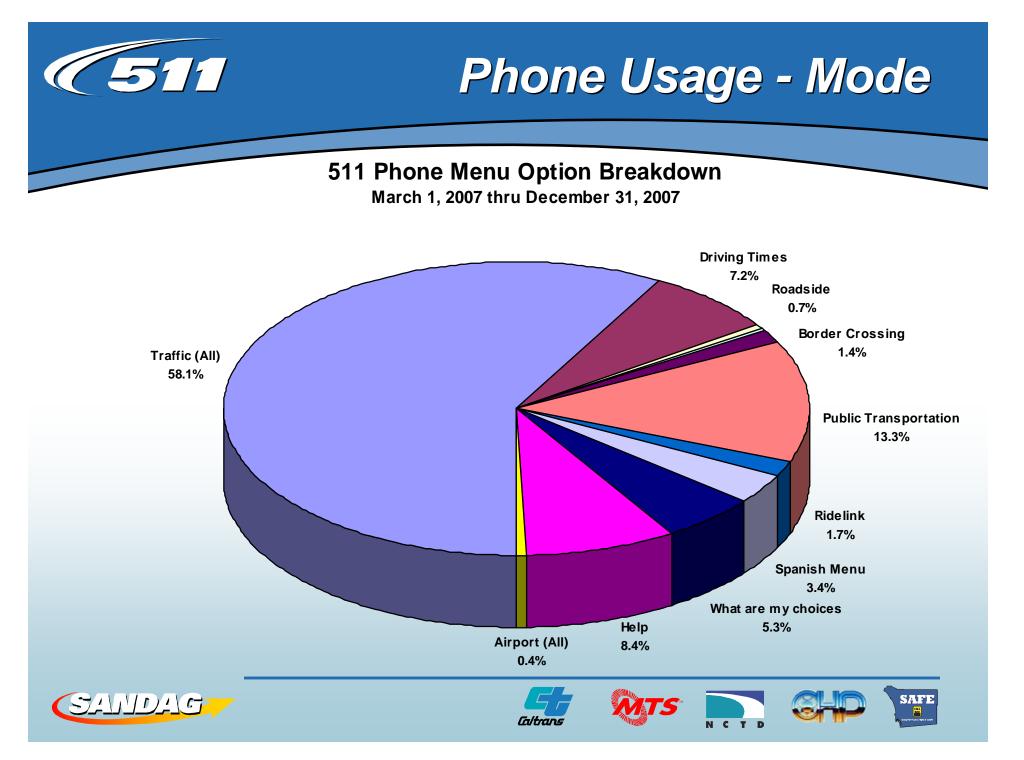




Average Daily Phone Calls

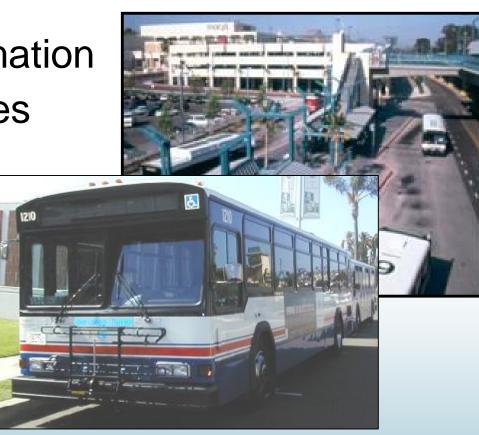


March 1, 2007 to December 31, 2007



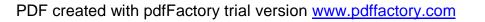


- Real-Time Bus Information
- Available on 75 Routes
- Transit Survey
 - Survey of Users
 - Reliability Testing
- Stop ID's



SAFI







Click. Call. Connect

511sd.com - Home

Traffic, Transit, & Travel Info

Top Menu

- Traffic
- Transit
- RideLink
- Bicycling
- FasTrak

Left Side Menu

- 511 Information
- Airport
- Rail
- Roadside Aid
- Border Crossing
- Weather
- Privacy
- Accessibility

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- Traffic
- Transit
- Compass Card
- RideLink
- Bicycling
- FasTrak



Caltrans

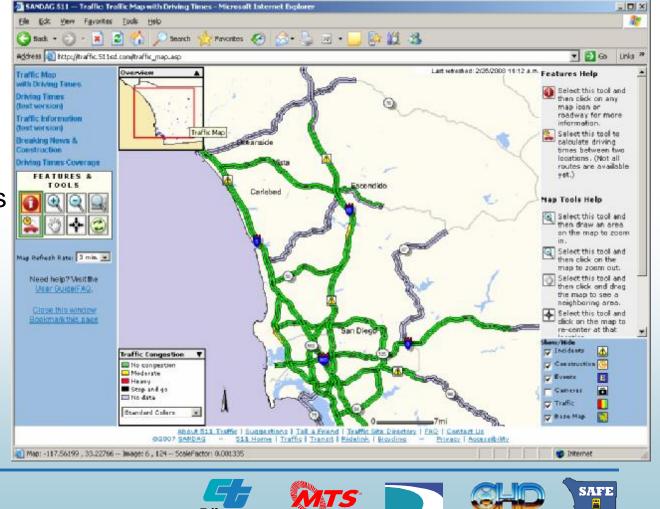


Traffic Page

511

- Regional Traffic Map
- Real-Time Information
 - § Driving Times
 - § Incidents
 - § Congestion
 - § Construction
- Highway
 Camera
 Views

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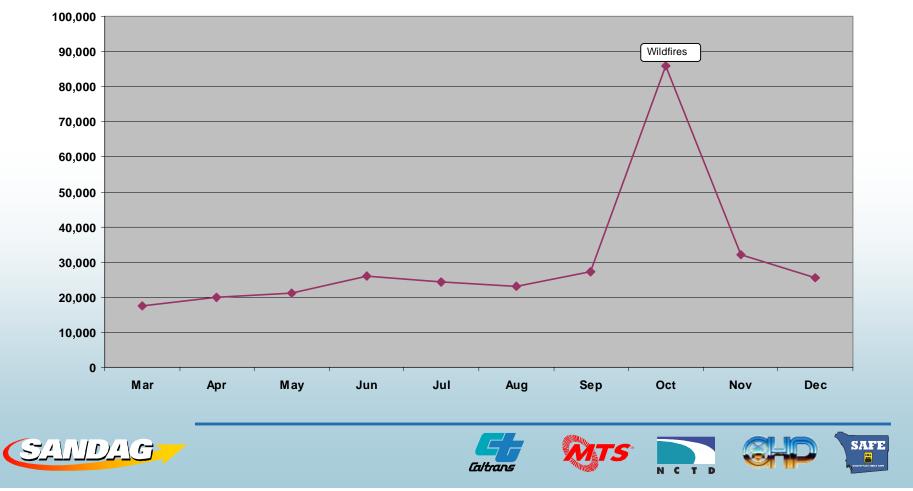
Caltrans

11

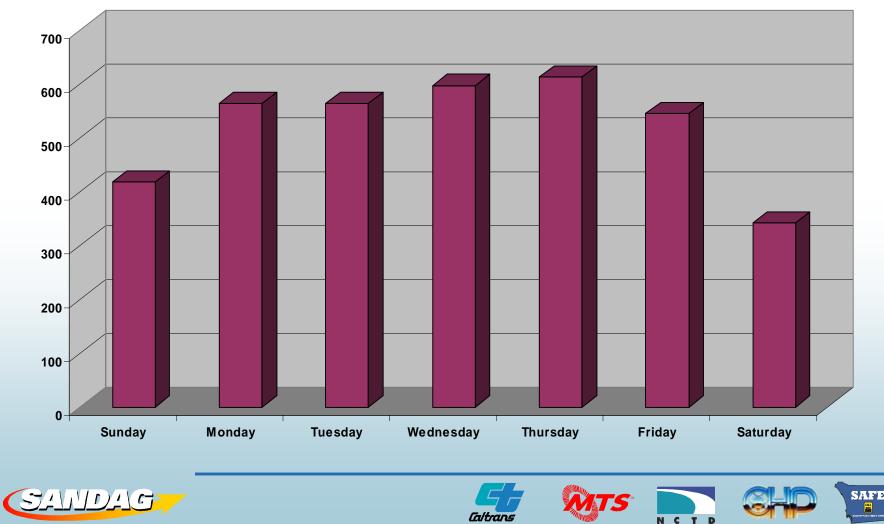


511 Web Visitors

March 1, 2007 to December 31, 2007



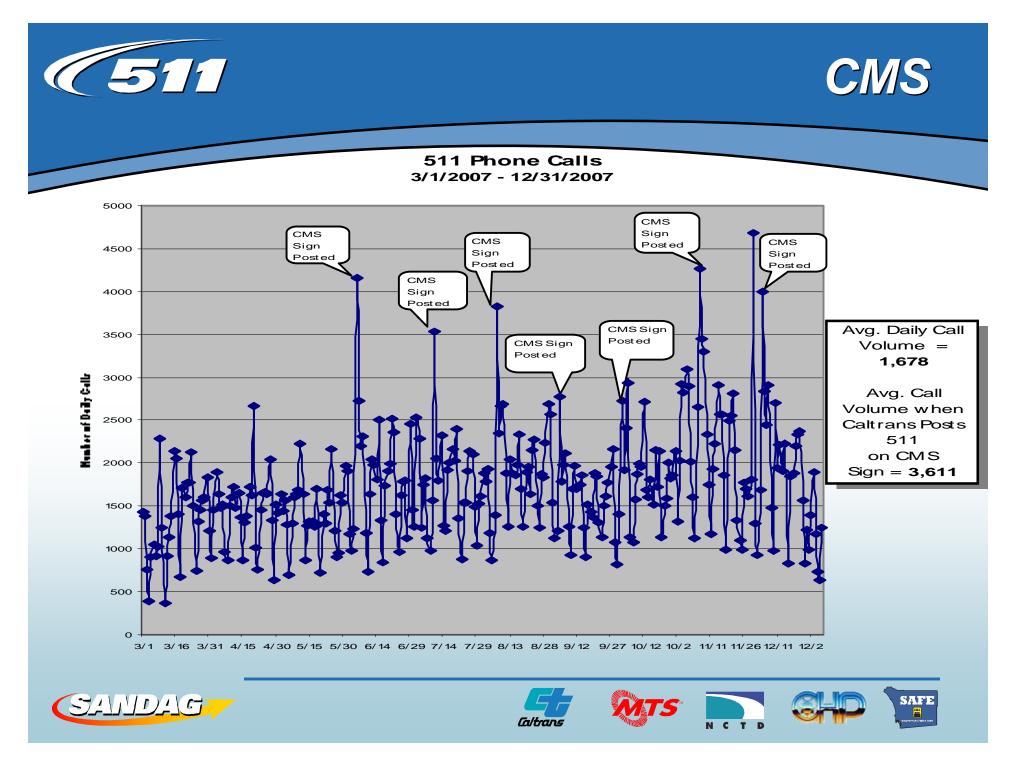






- Strategic Marketing Program
 - Strong agency partnership
 - Caltrans, MTS, NCTD, CHP, and SD SAFE
- Advertising/Public Awareness
 - Cross Linking 511 Web site with Public and Partner agency Web sites
 - Caltrans Highway Changeable Message Signs
 - Branding 511 on SANDAG and Partner agency print material
 - TV/Radio/Print Advertising







511 Freeway Signs

- 104 Signs Posted
 - § 34 Highway
 - § 70 Park & Ride
- All Highway Corridors
- All Park and Ride Locations
- Removed
 1-800-Commute Signs
- Next steps: 511
 Transit signs

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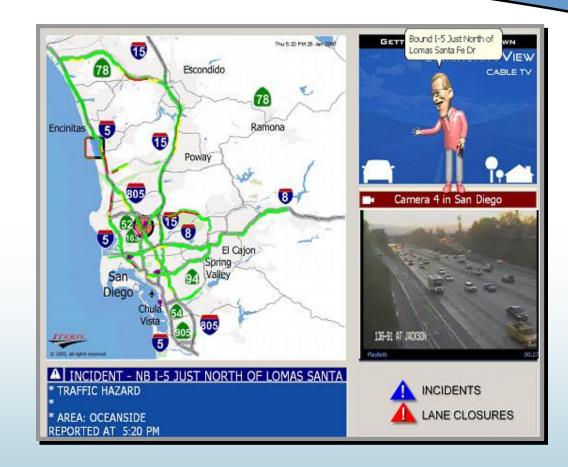


SAFE

- Feed to public access channels
- Live traffic conditions map
 - Incidents

-5111

- Congestion
- Construction
- Caltrans cameras
- San Diego regionwide service
- Operational in summer







2007 Wildfires

Benefit During Wildfires

- Received record usage
- Maintained 24/7 availability
- Increase visibility from Public Officials and media

Issues During Wildfires

- Clearly and accurately depicting road conditions
- Users expected a complete regional picture
- Consistency of accurately classified data
- Expected 511 Operator assistance





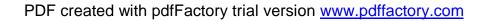
Future of 511

SAT



- Real Time Travel Information
 - Network Wide Travel View (Informed Traveler)
 - All Modes (Traffic/Transit/ML/Pricing)
 - All Roads (Highways/Arterials)
 - All the Time (Value Added Push Information)
 - Park-n-Ride (Smart Parking)
- Highway Camera Views Mobile
- Personalized Information i511
- Historical Information Predict a Trip
- PDA Compatible
- Spanish Version

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Traffic, Transit and Commute Info

Click. Call. Connect.

511 - On The Phone 511sd.com - On The Web 511 TV Broadcast





California 511 Workshop: The 511 Your Customers Want March 3, 2008 Markus Heiman Caltrans District 3 (Sacramento) Email: markus.heiman@ dot.ca.gov



ITS and STARNET



- Finding a group of Champions
- Develop Local Agency ITS plans and implement
- Regional Architecture tailored to Local ITS Planning Documents
- Obtaining Local Governmental support

ITS and STARNET

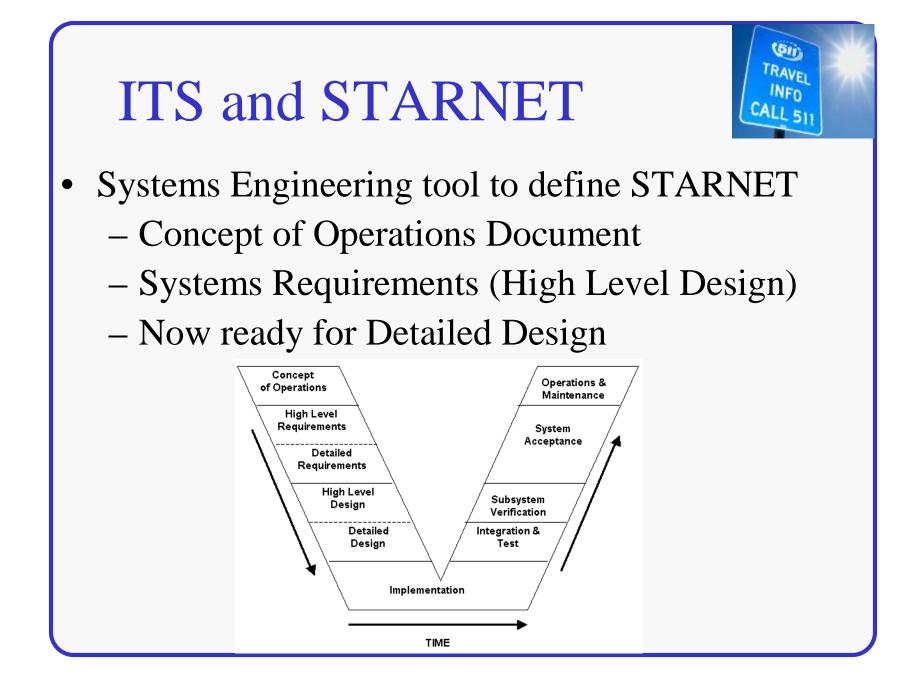


- STARNET concept has evolved with the Regional Architecture.
- Initially small partnership has grown via incorporation of Cities and perceived benefits drawing in new partners and newly identified needs.
- Regional Architecture was used as foundation on which to develop our Concept of Operations for STARNET

ITS and STARNET



- Connectivity to Adjoining Regions
- Desire to leverage investment made by others.
- Provide High Quality Traveler Information
 - Required regional data (STARNET)
 - Improve Regional 511 System
- Successful approach: Systems Engineering Methodology



ITS and STARNET Lessons Learned:



- Systems Engineering is not hard and assists in controlling the development process. It works!
- Maintain momentum when you have it.
- Everything takes much longer than you anticipate, even when you have considered worst case...
- Work hard at documenting and marketing success.
 Once you have completed a task it is taken for granted, not as an "Early Winner".