Agenda

- Introductions
- Meeting Purpose & Project Overview
- Regional Overview
  - Needs Summary
  - Stakeholders’ Roles and Responsibilities
- Break-Out Discussions on Operational Scenarios
- Next Steps

- Lunch Break, Noon – 1:00 (Lunch to be provided)

- Session #2, 1:00 – 3:00
  - Emerging Data/Data Standards
  - STARNET Modernization
Meeting Purpose and Project Overview

- Develop a regional Concept of Operations to enhance cooperation in the Region
- Assess the need and evaluate the requirements for new and emerging data sources and center-to-center information sharing.

- Concept of Operations
- STARNET Modernization Plan
- Regional Technology Master Plan

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Regional Needs Collection

Stakeholder Interviews

- SACOG
- City of Citrus Heights
- City of Elk Grove
- City of Rancho Cordova
- City of Folsom
- Sacramento County
- El Dorado County
- City of Sacramento
- Caltrans District 3

- Review of existing documentation related to transportation and technology
- Knowledge of technological trends and changing environments in transportation planning and operations
Regional Needs

Infrastructure/Data Needs
- Maintenance support
- Regional communication
- Regional traffic data

Operational Needs
- Consistent traveler information strategies
- Staffing for operations
- Formalized interagency coordination
- Interagency data sharing

Institutional Needs
- Performance measurement
- Regional project programming processes
- ITS and communication device system standards
- Regional security standards and assessment
- Asset tracking/lifecycle programming

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# Roles and Responsibilities

<table>
<thead>
<tr>
<th>Agency</th>
<th>Roles and Responsibilities</th>
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<tbody>
<tr>
<td>SACOG</td>
<td>Collect and archive transportation data for the region</td>
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<tr>
<td>Caltrans District 3</td>
<td>Operate and maintain State highways; devices on highways; traffic signal systems on State owned arterials; collect and provide traffic information on highways and State owned arterials to public and other agencies; coordinate operation and maintenance resource response to incidents with state, county and local agencies</td>
</tr>
<tr>
<td>County/Local Agencies</td>
<td>Operate and maintain traffic signal systems; perform incident detection and verification; dispatch police, fire and emergency management services; maintain roads within agency limits; provide traffic and maintenance information to the public and other agencies</td>
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<tr>
<td>Sacramento Regional Transit District</td>
<td>Operate light rail system; provide fixed bus service and paratransit services</td>
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<tr>
<td>County/Local Transit Agencies</td>
<td>Provide fixed bus service and paratransit services</td>
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<tr>
<td>CHP</td>
<td>Receive emergency calls; dispatch State police and Freeway Service Vehicles; coordinate incident response with Caltrans, County and local agencies</td>
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<tr>
<td>County Sheriff</td>
<td>Develop county emergency preparedness plan, provide emergency operations during major emergencies and disasters</td>
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<tr>
<td>Tahoe Gateway</td>
<td>Coordinate regional emergency management between Sacramento and Tahoe regions</td>
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Operational Scenarios

- Break into two groups
- Discuss scenarios
  - Major Incidents – Freeway
  - Major Incidents – Arterial
  - Planned Events
  - Recurring Congestion
  - Natural Disasters
Discussion Topics

- Role of Maintenance
- Connected Vehicles
- Active Transportation
- Data needs – Real time and historic
- Performance measures
Session 2: Data and STARNET

- Session Agenda
  - Introductions
  - Goal of the session
  - Session format
  - Topics to be covered in the session
    - Data and Data Standards
    - STARNET Improvements

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What is Big Data?

- **Wikipedia**: an all-encompassing term for any collection of data sets so large and complex that it becomes difficult to process using on-hand data management tools or traditional data processing applications.

- **Oxford English Dictionary**: data of a very large size, typically to the extent that its manipulation and management present significant logistical challenges.
Big Data in Transportation Systems
STARNET: Purpose
To enable sharing of real-time data and live video pertaining to the operation of roadways and public transit, between computers and people involved in

- Transportation operations and
- Emergency response

- Thereby assisting in
  - the coordination of their activities and
  - providing the public with a regionally focused source of comprehensive information about current travel conditions and options.

- Provide improved integration of operation procedures,
- Facilitate improved emergency response.

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Theme #1

- How is STARNET used today and what do you like about it?
- Points to consider:
  - Data/content available on STARNET today
  - Instances STARNET was used to manage an incidence/emergency?
  - Useful aspects of STARNET
  - Data/contents available on STARNET today
Theme #2

- What are pain-points of STARNET?
- Points to consider
  - How is critical data exchanged during emergencies (With or w/o STARNET)
  - Components of STARNET are/were deficient or difficult to use
  - Additional systems/data/processes to make STARNET more useful
Theme # 3

Managing incidents and emergencies in 2025

- Vision for Role of STARNET in managing response, communication, stakeholder participation, control, critical data flow, etc.?
- Traffic incidents and emergencies
- Transit incidents and emergencies
- Natural Disasters
- Connected/Autonomous Vehicles
- Shared mobility
- Data exchange and sharing [types, size, complexity, granularity and frequency of data collected, integrated, processed and exchanged]