# **Operational Concepts**



## Stakeholder: Amtrak

Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

- 1) Regional sharing/coordination of transit schedule information (Existing)
- 2) Regional coordination of passenger and fare information/apportionment (Planned)



## Stakeholder: Atascadero Transit

## Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

#### Responsibilities:

- 1) Regional coordination of passenger and fare information/apportionment (Planned)
- 2) Regional sharing/coordination of transit schedule information (Existing)

### Role/Area: Transit Services in San Luis Obispo County

Operation and maintenance of transit services, equipment, and facilities within San Luis Obispo County

#### Responsibilities:

- 1) Monitor transit vehicle location and adherence to schedule (Planned)
- 2) Inform transit travelers about transit vehicle arrival status (Planned)
- 3) Operate and maintain a fixed-route transit system, including vehicle routing, scheduling, fare processing, maintenance, etc. (Existing)
- 4) Apportion fares with other transit Agencies (Planned)

## Role/Area: Traveler Information in San Luis Obispo County

Local/County-wide transportation information dissemination

- 1) Inform transit travelers about transit vehicle arrival status (Planned)
- 2) Maintain tools to allow travelers to obtain transit information (schedules, fares, trip planning, etc.) (Planned)

# **Operational Concepts (cont...)**



## **Stakeholder: California Department of Transportation (Caltrans)**

## Role/Area: Traveler Information -- San Luis Obispo Regionally

Regional transportation information dissemination

- 1) Disseminate Regional and Statewide transportation information via 511 (1-800-427-ROAD), Caltrans and websites, TV, CMS, EMS, HAR, etc. (Existing)
- 2) Collect information via CCTV, loop detectors, smart call boxes, as well as CHP and other information sources. (Existing)



## Stakeholder: California Highway Patrol (CHP)

## Role/Area: Emergency Management -- San Luis Obispo Regionally

Emergency management utilizing inter-jurisdictional collaboration

Responsibilities:

- 1) Coordinate emergency response activities with other Agencies as needed, to manage the effects & impact on the Regional transportation system (Existing)
- 2) Disseminate information to the public and media, as appropriate (Existing)

## Role/Area: Emergency Management in San Luis Obispo County

Perform emergency services in San Luis Obispo County

Responsibilities:

- 1) Provide logistical support for field personnel (routing information, patch calls, etc.) (Existing)
- 2) Coordinate activities with other EM providers, as needed (Existing)
- 3) Call taking and dispatch for calls from other Agencies (Existing)
- 4) Call taking and dispatch for public-initiated calls (Existing)
- 5) Perform emergency services, as needed (Existing)
- 6) Develop coordinated emergency response plans (Existing)

### Role/Area: Freeway Management -- San Luis Obispo Regionally

Coordinated management of the area freeways and highways

Responsibilities:

1) Coordinate freeway operations and information with Caltrans Districts and local Agencies, as appropriate (Existing)

### Role/Area: Incident Management -- San Luis Obispo Regionally

Coordinated, multi-jurisdictional incident management activities

Responsibilities:

 Coordinate activities with other Agencies to manage Regionally-significant (planned and unplanned) incidents (Existing)

### Role/Area: Traveler Information -- San Luis Obispo Regionally

Regional transportation information dissemination

Responsibilities:

1) Collect and disseminate Regional incident information via website (Existing)



### Stakeholder: Caltrans D4

## Role/Area: Emergency Management -- San Luis Obispo Regionally

Emergency management utilizing inter-jurisdictional collaboration

#### Responsibilities:

- 1) Back-up District 5 TMC operations during the periods District 5 TMC is not operational (Planned)
- 2) Disseminate information to the public and media, as appropriate (Existing)
- 3) Coordinate emergency response activities with other Agencies as needed, to manage the effects & impact on the Regional transportation system (Existing)

### Role/Area: Freeway Management -- San Luis Obispo Regionally

Coordinated management of the area freeways and highways

#### Responsibilities:

- 1) Back-up District 5 TMC operations during the periods District 5 TMC is not operational (Planned)
- 2) Issue advisories (weather, disaster, etc.) to local Agencies and media, as needed (Existing)
- 3) Manage/maintain State-operated highways/roads (includes ramp meters, signals, etc.) (Existing)
- 4) Provide staff to operate TMC during operating hours and as needed for emergencies (Existing)
- 5) Coordinate freeway operations and information with other Caltrans Districts, CHP, and local Agencies, as appropriate (Existing)

## Role/Area: Incident Management -- San Luis Obispo Regionally

Coordinated, multi-jurisdictional incident management activities

- Coordinate activities with other Agencies to manage Regionally-significant (planned and unplanned) incidents (Existing)
- 2) Back-up District 5 TMC operations during the periods District 5 TMC is not operational (Existing)



### Stakeholder: Caltrans D5

## Role/Area: Archived Data Systems -- San Luis Obispo Regionally

Collect and manage Regionally (Central Coast) significant transportation-related data

#### Responsibilities:

1) Participate with the update the MPO and local ITS Architectures (Planned)

### Role/Area: Emergency Management -- San Luis Obispo Regionally

Emergency management utilizing inter-jurisdictional collaboration

#### Responsibilities:

- 1) Dispatch and coordinate resources to handle incidents (Existing)
- 2) Disseminate information to the public and media, as appropriate (Existing)
- 3) Develop/coordinate interjurisdictional disaster and emergency response plans (Existing)
- 4) Coordinate emergency response activities with other Agencies as needed, to manage the effects & impact on the Regional transportation system (Existing)
- 5) Processing calls from PCAC(s) (Planned)
- 6) Processing calls from other Agencies (Existing)

#### Role/Area: Emergency Management in San Luis Obispo County

Perform emergency services in San Luis Obispo County

#### Responsibilities:

- 1) Provide logistical support for field personnel (routing information, patch calls, etc.) (Existing)
- 2) Coordinate activities with other EM providers, as needed (Existing)
- 3) Call taking and dispatch for calls from other Agencies (Existing)
- 4) Develop coordinated emergency response plans (Existing)
- 5) Perform emergency services, as needed (Existing)

## Role/Area: Freeway Management -- San Luis Obispo Regionally

Coordinated management of the area freeways and highways

#### Responsibilities:

- 1) Coordinate freeway operations and information with other Caltrans Districts, CHP, and local Agencies, as appropriate (Existing)
- 2) Issue advisories (weather, disaster, etc.) to local Agencies and media, as needed (Existing)
- 3) Manage/maintain State-operated highways/roads (includes ramp meters, signals, etc.) (Existing)

#### Role/Area: Incident Management -- San Luis Obispo Regionally

Coordinated, multi-jurisdictional incident management activities

#### Responsibilities:

 Coordinate activities with other Agencies to manage Regionally-significant (planned and unplanned) incidents (Existing)



## Stakeholder: Caltrans D5

## Role/Area: Incident Management in San Luis Obispo County

Incident management activities in San Luis Obispo County

- 1) Perform work as needed to clear incidents (Existing)
- 2) Issue advisories to local Agencies and media, as needed (Existing)
- 3) Notify/coordinate with emergency service providers (CHP, local Agency) about detected incidents on State-operated highways/roads, as appropriate (Existing)



# Stakeholder: Central Coast Dial-A-Ride-Operators

Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

Responsibilities:

1) Regional sharing/coordination of transit schedule information (Existing)

## Role/Area: Transit Services in San Luis Obispo County

Operation and maintenance of transit services, equipment, and facilities within San Luis Obispo County

Responsibilities:

1) Operate and maintain an on-demand transit system, including vehicle routing, scheduling, fare processing, maintenance, etc. (Existing)

# **Operational Concepts (cont...)**



# Stakeholder: Central Coast EMS and Incident Management Agencies

Role/Area: Emergency Management -- San Luis Obispo Regionally

Emergency management utilizing inter-jurisdictional collaboration

Responsibilities:

1) Coordinate Regional emergency response activities with other Agencies as needed (Existing)

# **Operational Concepts (cont...)**



## Stakeholder: Central Coast MPOs/RTPAs

## Role/Area: Archived Data Systems -- San Luis Obispo Regionally

Collect and manage Regionally (Central Coast) significant transportation-related data Responsibilities:

- 1) Participate in the maintenance of the CCITS Regional ITS Project Architecture (Existing)
- 2) Collect/manage/share Regionally significant transportation data for other Counties (Existing)

# **Operational Concepts (cont...)**



# **Stakeholder: Central Coast TMC Agencies**

Role/Area: Surface Street Management -- San Luis Obispo Regionally

Regional coordination of surface street management (Center-to-center)

Responsibilities:

1) Coordinate traffic signal operations with other TMCs in the Region as appropriate (Planned)

# **Operational Concepts (cont...)**



# Stakeholder: City of Arroyo Grande

## Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

- 1) Operate and maintain (surface street) traffic signal system (Existing)
- 2) Update traveler information systems, as needed (Planned)



## Stakeholder: City of Atascadero

### Role/Area: Parking Management -- San Luis Obispo Regionally

Coordinated operation and maintenance of parking facilities in the Central Coast

Responsibilities:

1) Accept and coordinate payment of parking fees via Regional smart cards (Planned)

## Role/Area: Parking Management in San Luis Obispo County

Operation and maintenance of parking facilities in San Luis Obispo County

Responsibilities:

- 1) Collect and manage parking fees (Existing)
- 2) Manage and maintain parking facilities (Existing)

### Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

Responsibilities:

# **Operational Concepts (cont...)**



# Stakeholder: City of Grover Beach

Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

Responsibilities:



## Stakeholder: City of Paso Robles

### Role/Area: Parking Management -- San Luis Obispo Regionally

Coordinated operation and maintenance of parking facilities in the Central Coast

Responsibilities:

1) Accept and coordinate payment of parking fees via Regional smart cards (Planned)

## Role/Area: Parking Management in San Luis Obispo County

Operation and maintenance of parking facilities in San Luis Obispo County

Responsibilities:

- 1) Collect and manage parking fees (Existing)
- 2) Manage and maintain parking facilities (Existing)

### Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

Responsibilities:



# Stakeholder: City of Pismo Beach

### Role/Area: Parking Management -- San Luis Obispo Regionally

Coordinated operation and maintenance of parking facilities in the Central Coast

Responsibilities:

1) Accept and coordinate payment of parking fees via Regional smart cards (Planned)

## Role/Area: Parking Management in San Luis Obispo County

Operation and maintenance of parking facilities in San Luis Obispo County

Responsibilities:

- 1) Collect and manage parking fees (Existing)
- 2) Manage and maintain parking facilities (Existing)

### Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

Responsibilities:



## Stakeholder: City of San Luis Obispo

#### Role/Area: Incident Management in San Luis Obispo County

Incident management activities in San Luis Obispo County

#### Responsibilities:

- 1) Monitor transportation network and roadside equipment status from TMC (Planned)
- Notify/coordinate with emergency service providers (CHP, local Agency) about detected incidents on local roads, as appropriate (Planned)
- Modify signal timing and other roadway equipment settings, as needed to mitigate the impact of the incident (Planned)
- 4) Issue advisories to the media, as needed (Planned)
- 5) Perform work as needed to clear incidents (Planned)

## Role/Area: Parking Management -- San Luis Obispo Regionally

Coordinated operation and maintenance of parking facilities in the Central Coast

#### Responsibilities:

1) Accept and coordinate payment of parking fees via Regional smart cards (Planned)

### Role/Area: Parking Management in San Luis Obispo County

Operation and maintenance of parking facilities in San Luis Obispo County

#### Responsibilities:

- 1) Manage and maintain parking facilities (Existing)
- 2) Collect and manage parking fees (Existing)

#### Role/Area: Surface Street Management -- San Luis Obispo Regionally

Regional coordination of surface street management (Center-to-center)

#### Responsibilities:

1) Coordinate traffic signal operations with other TMCs in the Region as appropriate (Planned)

## Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

- 1) Manage (surface street) traffic signal system from TMC (Planned)
- 2) Operate and maintain (surface street) traffic signal system (Existing)

## **Operational Concepts (cont...)**



# Stakeholder: Paso Robles City Area Transit Service (PRCATS)

Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

Responsibilities:

1) Regional sharing/coordination of transit schedule information (Existing)

## Role/Area: Transit Services in San Luis Obispo County

Operation and maintenance of transit services, equipment, and facilities within San Luis Obispo County

- 1) Operate and maintain a fixed-route transit system, including vehicle routing, scheduling, fare processing, maintenance, etc. (Existing)
- 2) Apportion fares with other transit Agencies (Planned)



## Stakeholder: Private Call Answering Center (PCAC)

## Role/Area: Emergency Management -- San Luis Obispo Regionally

Emergency management utilizing inter-jurisdictional collaboration

Responsibilities:

- 1) Dispatch and coordinate resources from appropriate EM providers to handle incidents (Planned)
- 2) Processing calls from area call boxes and telephones (Planned)

### Role/Area: Emergency Management in San Luis Obispo County

Perform emergency services in San Luis Obispo County

Responsibilities:

1) Call taking and dispatch of public-initiated calls (Planned)

### Role/Area: Incident Management -- San Luis Obispo Regionally

Coordinated, multi-jurisdictional incident management activities

Responsibilities:

1) Dispatch and coordinate resources to handle incidents (Planned)



# Stakeholder: Regional Transit Authority (RTA) (San Luis Obispo)

## Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

#### Responsibilities:

- 1) Regional coordination of passenger and fare information/apportionment (Planned)
- 2) Regional sharing/coordination of transit schedule information (Existing)

#### Role/Area: Transit Services in San Luis Obispo County

Operation and maintenance of transit services, equipment, and facilities within San Luis Obispo County

#### Responsibilities:

- 1) Operate and maintain a fixed-route transit system, including vehicle routing, scheduling, fare processing, maintenance, etc. (Existing)
- 2) Provide for the physical security of transit passengers and vehicle operators (Planned)
- 3) Apportion fares with other transit Agencies (Planned)
- 4) Inform transit travelers about transit vehicle arrival status (Planned)
- 5) Monitor transit vehicle location and adherence to schedule (Planned)

#### Role/Area: Traveler Information in San Luis Obispo County

Local/County-wide transportation information dissemination

#### Responsibilities:

1) Maintain tools to allow travelers to obtain transit information (schedules, fares, trip planning, etc.) (Existing)

## **Operational Concepts (cont...)**



## Stakeholder: San Luis Obispo Council of Governments (SLOCOG)

## Role/Area: Archived Data Systems -- San Luis Obispo Regionally

Collect and manage Regionally (Central Coast) significant transportation-related data

Responsibilities:

- 1) Collect/manage/share Regionally significant transportation data for San Luis Obispo County (Existing)
- 2) Participate in the maintenance of the CCITS Regional ITS Project Architecture (Planned)

### Role/Area: Archived Data Systems in San Luis Obispo County

Collect and manage various transportation-related data

Responsibilities:

- 1) Develop/produce reports relating to transportation data as needed/required (Planned)
- Collect transportation data (traffic and transit) for transportation systems/elements in San Luis Obispo County (Existing)
- 3) Maintain/update the San Luis Obispo County ITS Project Architecture (Planned)

## Role/Area: Emergency Management in San Luis Obispo County

Perform emergency services in San Luis Obispo County

Responsibilities:

1) Operate and maintain call box system (Existing)

#### Role/Area: Freeway Management -- San Luis Obispo Regionally

Coordinated management of the area freeways and highways

Responsibilities:

1) Maintain call boxes system(s) in San Luis Obispo County (Existing)

## Role/Area: Traveler Information -- San Luis Obispo Regionally

Regional transportation information dissemination

Responsibilities:

1) Collect and disseminate Regional transportation information via 511 (Planned)

# **Operational Concepts (cont...)**



# Stakeholder: San Luis Obispo County

Role/Area: Surface Street Management in San Luis Obispo County

Management of the traffic signal system in San Luis Obispo County

Responsibilities:



## Stakeholder: San Luis Obispo County Local Agencies

## Role/Area: Emergency Management -- San Luis Obispo Regionally

Emergency management utilizing inter-jurisdictional collaboration

Responsibilities:

1) Coordinate Regional emergency response activities with other Agencies as needed (Existing)

## Role/Area: Emergency Management in San Luis Obispo County

Perform emergency services in San Luis Obispo County

Responsibilities:

- 1) Call taking and dispatch of public-initiated calls (Existing)
- 2) Coordinate activities with other EM providers, as needed (Existing)
- 3) Develop coordinated emergency response plans (Existing)
- 4) Call taking and dispatch for calls from other Agencies (Existing)
- 5) Perform emergency services, as needed (Existing)

#### Role/Area: Incident Management -- San Luis Obispo Regionally

Coordinated, multi-jurisdictional incident management activities

Responsibilities:

1) Coordinate activities with other Agencies to manage Regionally-significant (planned and unplanned) incidents (Planned)

### Role/Area: Incident Management in San Luis Obispo County

Incident management activities in San Luis Obispo County

Responsibilities:

1) Perform work as needed to clear incidents (Existing)

## **Operational Concepts (cont...)**



## Stakeholder: San Luis Obispo Parking (City & Private)

## Role/Area: Parking Management -- San Luis Obispo Regionally

Coordinated operation and maintenance of parking facilities in the Central Coast

Responsibilities:

1) Accept and coordinate payment of parking fees via Regional smart cards (Planned)

## Role/Area: Parking Management in San Luis Obispo County

Operation and maintenance of parking facilities in San Luis Obispo County

- 1) Collect and manage parking fees (Existing)
- 2) Manage and maintain parking facilities (Existing)



## Stakeholder: San Luis Obispo Transit (SLO Transit)

## Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

#### Responsibilities:

- 1) Regional sharing/coordination of transit schedule information (Existing)
- 2) Regional coordination of passenger and fare information/apportionment (Planned)

### Role/Area: Transit Services in San Luis Obispo County

Operation and maintenance of transit services, equipment, and facilities within San Luis Obispo County

#### Responsibilities:

- 1) Inform transit travelers about transit vehicle arrival status (Existing)
- 2) Operate and maintain a fixed-route transit system, including vehicle routing, scheduling, fare processing, maintenance, etc. (Existing)
- 3) Apportion fares with other transit Agencies (Planned)
- 4) Provide for the physical security of transit passengers and vehicle operators (Planned)
- 5) Monitor transit vehicle location and adherence to schedule (Planned)

#### Role/Area: Traveler Information in San Luis Obispo County

Local/County-wide transportation information dissemination

#### Responsibilities:

1) Maintain tools to allow travelers to obtain transit information (schedules, fares, trip planning, etc.) (Planned)



## Stakeholder: South County Area Transit (SCAT)

### Role/Area: Transit Services -- San Luis Obispo Regionally

Provide inter-jurisdictional transit services and information

#### Responsibilities:

- 1) Regional sharing/coordination of transit schedule information (Existing)
- 2) Regional coordination of passenger and fare information/apportionment (Planned)

### Role/Area: Transit Services in San Luis Obispo County

Operation and maintenance of transit services, equipment, and facilities within San Luis Obispo County

#### Responsibilities:

- 1) Monitor transit vehicle location and adherence to schedule (Planned)
- 2) Operate and maintain a fixed-route transit system, including vehicle routing, scheduling, fare processing, maintenance, etc. (Existing)
- 3) Inform transit travelers about transit vehicle arrival status (Planned)
- 4) Apportion fares with other transit Agencies (Planned)

## Role/Area: Traveler Information in San Luis Obispo County

Local/County-wide transportation information dissemination

#### Responsibilities:

1) Maintain tools to allow travelers to obtain transit information (schedules, fares, trip planning, etc.) (Planned)