

Data flows from: Arroyo Grande Advanced Crosswalks (Programmed)

San Luis Obispo County Local ITS

- To: Arroyo Grande Signal System (Existing)
 - Planned flow: AHS status
 - Planned flow: barrier system status
 - Planned flow: environmental conditions data
 - Planned flow: environmental probe data
 - Planned flow: freeway control status
 - Planned flow: hov data
 - Planned flow: hri status
 - Planned flow: intersection blockage notification
 - Planned flow: request for right-of-way
 - Planned flow: reversible lane status
 - Planned flow: roadway equipment coordination
 - Planned flow: roadway information system status
 - Planned flow: safeguard system status
 - Planned flow: signal control status
 - Planned flow: Smart Call Box Information
 - Planned flow: speed monitoring information
 - Planned flow: traffic flow
 - Planned flow: traffic images
 - Planned flow: vehicle probe data

Data flows from: Arroyo Grande Signal Pre-Emption (Existing)

San Luis Obispo County Local ITS

- To: Arroyo Grande Signal System (Existing)
 - Planned flow: AHS status
 - Planned flow: barrier system status
 - Planned flow: environmental conditions data
 - Planned flow: environmental probe data
 - Planned flow: freeway control status
 - Planned flow: hov data
 - Planned flow: hri status
 - Planned flow: intersection blockage notification
 - Planned flow: request for right-of-way
 - Planned flow: reversible lane status
 - Planned flow: roadway equipment coordination
 - Planned flow: roadway information system status
 - Planned flow: safeguard system status
 - Planned flow: signal control status
 - Existing flow: Smart Call Box Information
 - Planned flow: speed monitoring information
 - Planned flow: traffic flow
 - Planned flow: traffic images
 - Planned flow: vehicle probe data
- To: San Luis Obispo County Emergency Medical Services (Existing)
 - Planned flow: barrier system status
 - Existing flow: Smart Call Box Information

Data flows from: Arroyo Grande Signal System (Existing)

San Luis Obispo County Local ITS

To: Arroyo Grande Advanced Crosswalks (Programmed)

- Planned flow: AHS control information
- Planned flow: barrier system control
- Planned flow: environmental sensors control
- Planned flow: freeway control data
- Planned flow: hri control data
- Planned flow: hri request
- Planned flow: reversible lane control
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Arroyo Grande Signal Pre-Emption (Existing)

- Planned flow: AHS control information
- Planned flow: barrier system control
- Planned flow: environmental sensors control
- Planned flow: freeway control data
- Planned flow: hri control data
- Planned flow: hri request
- Planned flow: reversible lane control
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

Data flows from: Atascadero Advanced Crosswalks (Planned)

San Luis Obispo County Local ITS

To: Atascadero Signal System (Existing)

- Planned flow: AHS status
- Planned flow: barrier system status
- Planned flow: environmental conditions data
- Planned flow: environmental probe data
- Planned flow: freeway control status
- Planned flow: hov data
- Planned flow: hri status
- Planned flow: intersection blockage notification
- Planned flow: request for right-of-way
- Planned flow: reversible lane status
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system status
- Planned flow: safeguard system status
- Planned flow: signal control status
- Planned flow: Smart Call Box Information
- Planned flow: speed monitoring information
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: vehicle probe data

Data flows from: Atascadero Parking Management System (Planned)

San Luis Obispo County Local ITS

To: Atascadero Transit Smart Card (Planned)

- Planned flow: parking information

Data flows from: Atascadero Signal Pre-Emption (Existing)

San Luis Obispo County Local ITS

To: Atascadero Signal System (Existing)

- Planned flow: AHS status
- Planned flow: barrier system status
- Planned flow: environmental conditions data
- Planned flow: environmental probe data
- Planned flow: freeway control status
- Planned flow: hov data
- Planned flow: hri status
- Planned flow: intersection blockage notification
- Planned flow: request for right-of-way
- Planned flow: reversible lane status
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system status
- Planned flow: safeguard system status
- Planned flow: signal control status
- Existing flow: Smart Call Box Information
- Planned flow: speed monitoring information
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: vehicle probe data

To: San Luis Obispo County Emergency Medical Services (Existing)

Planned flow: barrier system status

Existing flow: Smart Call Box Information

Data flows from: Atascadero Signal System (Existing)

San Luis Obispo County Local ITS

To: Atascadero Advanced Crosswalks (Planned)

Planned flow: AHS control information

Planned flow: barrier system control

Planned flow: environmental sensors control

Planned flow: freeway control data

Planned flow: hri control data

Planned flow: hri request

Planned flow: reversible lane control

Planned flow: roadway equipment coordination

Planned flow: roadway information system data

Planned flow: safeguard system control

Planned flow: signal control data

Planned flow: speed monitoring control

Planned flow: traffic sensor control

Planned flow: video surveillance control

To: Atascadero Signal Pre-Emption (Existing)

Planned flow: AHS control information

Planned flow: barrier system control

Planned flow: environmental sensors control

Planned flow: freeway control data

Planned flow: hri control data

Planned flow: hri request

Planned flow: reversible lane control

Planned flow: roadway equipment coordination

Planned flow: roadway information system data

Planned flow: safeguard system control

Planned flow: signal control data

Planned flow: speed monitoring control

Planned flow: traffic sensor control

Planned flow: video surveillance control

Data flows from: Atascadero Transit (Existing)

San Luis Obispo County Local ITS

To: Atascadero Transit Next Bus CMS (Planned)

Planned flow: transit fare information

Planned flow: transit traveler information

To: Atascadero Transit Smart Card (Planned)

- Planned flow: alarm acknowledge
- Planned flow: alarm notification
- Planned flow: bad tag list
- Planned flow: environmental probe data
- Planned flow: fare and payment status
- Planned flow: fare management information
- Planned flow: remote vehicle disable
- Planned flow: request for bad tag list
- Planned flow: request for vehicle measures
- Planned flow: transit fare coordination
- Planned flow: transit schedule information
- Planned flow: transit service coordination
- Planned flow: transit traveler information
- Planned flow: transit traveler information coordination
- Planned flow: transit traveler request
- Planned flow: transit vehicle conditions
- Planned flow: transit vehicle location data
- Planned flow: transit vehicle operator authentication information
- Planned flow: transit vehicle operator authentication update
- Planned flow: transit vehicle operator information
- Planned flow: transit vehicle passenger and use data
- Planned flow: transit vehicle schedule performance
- Planned flow: vehicle location

To: Atascadero Transit Smart Kiosk (Planned)

- Planned flow: transit fare information
- Planned flow: transit traveler information

Data flows from: Atascadero Transit Next Bus CMS (Planned)

San Luis Obispo County Local ITS

To: Atascadero Transit (Existing)

- Planned flow: transit fare and passenger status
- Planned flow: transit information user request

Data flows from: Atascadero Transit Smart Card (Planned)

San Luis Obispo County Local ITS

To: Atascadero Parking Management System (Planned)

- Planned flow: parking lot data request

To: Atascadero Transit (Existing)

Planned flow: alarm acknowledge
Planned flow: alarm notification
Planned flow: bad tag list
Planned flow: environmental probe data
Planned flow: fare and payment status
Planned flow: fare management information
Planned flow: remote vehicle disable
Planned flow: request for bad tag list
Planned flow: request for vehicle measures
Planned flow: transit fare coordination
Planned flow: transit schedule information
Planned flow: transit service coordination
Planned flow: transit traveler information
Planned flow: transit traveler information coordination
Planned flow: transit traveler request
Planned flow: transit vehicle conditions
Planned flow: transit vehicle location data
Planned flow: transit vehicle operator authentication information
Planned flow: transit vehicle operator authentication update
Planned flow: transit vehicle operator information
Planned flow: transit vehicle passenger and use data
Planned flow: transit vehicle schedule performance

Data flows from: Atascadero Transit Smart Kiosk (Planned)*San Luis Obispo County Local ITS***To: Atascadero Transit (Existing)**

Planned flow: transit fare and passenger status
Planned flow: transit information user request

Data flows from: Caltrans D5 (Portable) HAR (Planned)*San Luis Obispo County Local ITS***To: Caltrans D5 TMC (Existing)**

Existing flow: Smart Call Box Information

Data flows from: Caltrans D5 CCTV (Existing)*San Luis Obispo County Local ITS***To: Caltrans D5 TMC (Existing)**

Existing flow: Smart Call Box Information

Data flows from: Caltrans D5 CMS (Existing)*San Luis Obispo County Local ITS***To: Caltrans D5 TMC (Existing)**

Programmed flow: Smart Call Box Information

Data flows from: Caltrans D5 HRI (Planned)*San Luis Obispo County Local ITS***To: Caltrans D5 TMC (Existing)**

Programmed flow: Smart Call Box Information

Data flows from: Caltrans D5 Ramp Meters (Planned)

San Luis Obispo County Local ITS

To: Caltrans D5 TMC (Existing)

Programmed flow: Smart Call Box Information

Data flows from: Caltrans D5 Signal System (Planned)

San Luis Obispo County Local ITS

To: Caltrans D5 TMC (Existing)

Existing flow: Smart Call Box Information

Data flows from: Caltrans D5 TMC (Existing)

San Luis Obispo County Local ITS

To: Private Call Answering Center (PCAC) (Planned)

Planned flow: alert notification coordination

Planned flow: alert status

Planned flow: emergency plan coordination

Planned flow: emergency routes

Planned flow: emergency traffic control information

Planned flow: evacuation coordination

Planned flow: incident command information coordination

Planned flow: incident information

Planned flow: incident report

Planned flow: incident response coordination

Planned flow: resource coordination

Planned flow: resource deployment status

Planned flow: road network conditions

Planned flow: road network status assessment

Planned flow: threat information coordination

Planned flow: traffic images

Planned flow: transportation system status

To: San Luis Obispo (City) TMC (Planned)

- Planned flow: alert notification
- Planned flow: alert notification coordination
- Planned flow: alert status
- Planned flow: emergency plan coordination
- Planned flow: emergency route request
- Planned flow: emergency routes
- Planned flow: emergency traffic control information
- Planned flow: emergency traffic control request
- Planned flow: evacuation coordination
- Planned flow: evacuation information
- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: incident response status
- Planned flow: remote surveillance control
- Planned flow: resource coordination
- Planned flow: resource deployment status
- Planned flow: resource request
- Planned flow: road network conditions
- Planned flow: road network probe information
- Planned flow: road network status assessment
- Planned flow: threat information
- Planned flow: threat information coordination
- Planned flow: traffic control coordination
- Planned flow: traffic images
- Planned flow: traffic information coordination
- Planned flow: transportation system status

To: San Luis Obispo County Emergency Medical Services (Existing)

- Planned flow: alert notification coordination
- Planned flow: alert status
- Planned flow: decision support information
- Planned flow: emergency dispatch requests
- Planned flow: emergency plan coordination
- Planned flow: emergency routes
- Planned flow: emergency traffic control information
- Planned flow: evacuation coordination
- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: resource coordination
- Planned flow: resource deployment status
- Planned flow: road network conditions
- Planned flow: road network status assessment
- Planned flow: suggested route
- Planned flow: threat information coordination
- Planned flow: traffic images
- Planned flow: transportation system status

Data flows from: Caltrans D5 Traffic Monitoring Stations (Planned)

San Luis Obispo County Local ITS

To: Caltrans D5 TMC (Existing)

- Planned flow: Smart Call Box Information

Data flows from: Grover Beach Advanced Crosswalks (Planned)

San Luis Obispo County Local ITS

To: Grover Beach Signal System (Existing)

- Planned flow: request for right-of-way
- Planned flow: roadway equipment coordination
- Planned flow: signal control status
- Planned flow: Smart Call Box Information
- Planned flow: traffic flow
- Planned flow: traffic images

Data flows from: Grover Beach Advanced Rail Crossings (Planned)

San Luis Obispo County Local ITS

To: Grover Beach Signal System (Existing)

- Planned flow: AHS status
- Planned flow: barrier system status
- Planned flow: environmental conditions data
- Planned flow: environmental probe data
- Planned flow: freeway control status
- Planned flow: hov data
- Planned flow: hri status
- Planned flow: intersection blockage notification
- Planned flow: request for right-of-way
- Planned flow: reversible lane status
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system status
- Planned flow: safeguard system status
- Planned flow: signal control status
- Planned flow: Smart Call Box Information
- Planned flow: speed monitoring information
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: vehicle probe data

Data flows from: Grover Beach Signal Pre-Emption (Existing)San Luis Obispo County Local ITS

To: Grover Beach Signal System (Existing)

- Planned flow: request for right-of-way
- Planned flow: roadway equipment coordination
- Planned flow: signal control status
- Existing flow: Smart Call Box Information
- Planned flow: traffic flow
- Planned flow: traffic images

To: San Luis Obispo County Emergency Medical Services (Existing)

- Existing flow: Smart Call Box Information

Data flows from: Grover Beach Signal System (Existing)San Luis Obispo County Local ITS

To: Grover Beach Advanced Crosswalks (Planned)

- Planned flow: roadway equipment coordination
- Planned flow: signal control data
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Grover Beach Advanced Rail Crossings (Planned)

- Planned flow: AHS control information
- Planned flow: barrier system control
- Planned flow: environmental sensors control
- Planned flow: freeway control data
- Planned flow: hri control data
- Planned flow: hri request
- Planned flow: reversible lane control
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Grover Beach Signal Pre-Emption (Existing)

- Planned flow: roadway equipment coordination
- Planned flow: signal control data
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

Data flows from: Paso Robles Advanced Crosswalks (Planned)**San Luis Obispo County Local ITS****To: Paso Robles Signal System (Existing)**

- Planned flow: request for right-of-way
- Planned flow: roadway equipment coordination
- Planned flow: signal control status
- Planned flow: Smart Call Box Information
- Planned flow: traffic flow
- Planned flow: traffic images

Data flows from: Paso Robles Advanced Rail Crossing (Planned)**San Luis Obispo County Local ITS****To: Paso Robles Signal System (Existing)**

- Planned flow: Smart Call Box Information

Data flows from: Paso Robles Signal Pre-Emption (Existing)**San Luis Obispo County Local ITS****To: Paso Robles Signal System (Existing)**

- Planned flow: request for right-of-way
- Planned flow: roadway equipment coordination
- Planned flow: signal control status
- Existing flow: Smart Call Box Information
- Planned flow: traffic flow
- Planned flow: traffic images

To: San Luis Obispo County Emergency Medical Services (Existing)

- Planned flow: barrier system status
- Existing flow: Smart Call Box Information

Data flows from: Paso Robles Signal System (Existing)*San Luis Obispo County Local ITS*

To: Paso Robles Advanced Crosswalks (Planned)

Planned flow: roadway equipment coordination

Planned flow: signal control data

Planned flow: traffic sensor control

Planned flow: video surveillance control

To: Paso Robles Signal Pre-Emption (Existing)

Planned flow: roadway equipment coordination

Planned flow: signal control data

Planned flow: traffic sensor control

Planned flow: video surveillance control

Data flows from: Pismo Beach Advanced Crosswalks (Existing)*San Luis Obispo County Local ITS*

To: Pismo Beach Signal System (Existing)

Planned flow: request for right-of-way

Planned flow: roadway equipment coordination

Planned flow: signal control status

Existing flow: Smart Call Box Information

Planned flow: traffic flow

Planned flow: traffic images

Data flows from: Pismo Beach Signal Pre-emption (Existing)*San Luis Obispo County Local ITS*

To: Pismo Beach Signal System (Existing)

Planned flow: request for right-of-way

Planned flow: roadway equipment coordination

Planned flow: signal control status

Existing flow: Smart Call Box Information

Planned flow: traffic flow

Planned flow: traffic images

To: San Luis Obispo County Emergency Medical Services (Existing)

Existing flow: Smart Call Box Information

Data flows from: Pismo Beach Signal System (Existing)*San Luis Obispo County Local ITS*

To: Pismo Beach Advanced Crosswalks (Existing)

Planned flow: roadway equipment coordination

Planned flow: signal control data

Planned flow: traffic sensor control

Planned flow: video surveillance control

To: Pismo Beach Signal Pre-emption (Existing)

Planned flow: roadway equipment coordination

Planned flow: signal control data

Planned flow: traffic sensor control

Planned flow: video surveillance control

Data flows from: PRCATS (Paso Robles City Area Transit Service) (Existing)

San Luis Obispo County Local ITS

To: PRCATS Smart Cards (Planned)

Planned flow: alarm acknowledge
Planned flow: alarm notification
Planned flow: bad tag list
Planned flow: environmental probe data
Planned flow: fare and payment status
Planned flow: fare management information
Planned flow: remote vehicle disable
Planned flow: request for bad tag list
Planned flow: request for vehicle measures
Planned flow: transit fare coordination
Planned flow: transit schedule information
Planned flow: transit service coordination
Planned flow: transit traveler information
Planned flow: transit traveler information coordination
Planned flow: transit traveler request
Planned flow: transit vehicle conditions
Planned flow: transit vehicle location data
Planned flow: transit vehicle operator authentication information
Planned flow: transit vehicle operator authentication update
Planned flow: transit vehicle operator information
Planned flow: transit vehicle passenger and use data
Planned flow: transit vehicle schedule performance
Planned flow: vehicle location

Data flows from: PRCATS Smart Cards (Planned)

San Luis Obispo County Local ITS

To: PRCATS (Paso Robles City Area Transit Service) (Existing)

- Planned flow: alarm acknowledge
- Planned flow: alarm notification
- Planned flow: bad tag list
- Planned flow: environmental probe data
- Planned flow: fare and payment status
- Planned flow: fare management information
- Planned flow: remote vehicle disable
- Planned flow: request for bad tag list
- Planned flow: request for vehicle measures
- Planned flow: transit fare coordination
- Planned flow: transit schedule information
- Planned flow: transit service coordination
- Planned flow: transit traveler information
- Planned flow: transit traveler information coordination
- Planned flow: transit traveler request
- Planned flow: transit vehicle conditions
- Planned flow: transit vehicle location data
- Planned flow: transit vehicle operator authentication information
- Planned flow: transit vehicle operator authentication update
- Planned flow: transit vehicle operator information
- Planned flow: transit vehicle passenger and use data
- Planned flow: transit vehicle schedule performance

Data flows from: Private Call Answering Center (PCAC) (Planned)San Luis Obispo County Local ITS

To: Caltrans D5 TMC (Existing)

- Planned flow: alert notification
- Planned flow: alert notification coordination
- Planned flow: emergency plan coordination
- Planned flow: emergency route request
- Planned flow: emergency traffic control request
- Planned flow: evacuation coordination
- Planned flow: evacuation information
- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: incident response status
- Planned flow: remote surveillance control
- Planned flow: resource coordination
- Planned flow: resource request
- Planned flow: road network probe information
- Planned flow: threat information
- Planned flow: threat information coordination
- Planned flow: transportation system status

To: San Luis Obispo (City) TMC (Planned)

- Planned flow: alert notification
- Planned flow: alert notification coordination
- Planned flow: emergency plan coordination
- Planned flow: emergency route request
- Planned flow: emergency traffic control request
- Planned flow: evacuation coordination
- Planned flow: evacuation information
- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: incident response status
- Planned flow: remote surveillance control
- Planned flow: resource coordination
- Planned flow: resource request
- Planned flow: road network probe information
- Planned flow: threat information
- Planned flow: threat information coordination
- Planned flow: transportation system status

To: San Luis Obispo County Emergency Medical Services (Existing)

- Planned flow: alert notification coordination
- Planned flow: decision support information
- Planned flow: emergency dispatch requests
- Planned flow: emergency plan coordination
- Planned flow: evacuation coordination
- Planned flow: incident command information coordination
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: resource coordination
- Planned flow: suggested route
- Planned flow: threat information coordination
- Planned flow: transportation system status

To: SLOCOG Call Boxes (Existing)

- Planned flow: alarm acknowledge
- Planned flow: incident notification response
- Planned flow: secure area sensor control
- Planned flow: secure area surveillance control

To: SLOCOG Smart Call Boxes (Planned)

- Planned flow: incident notification response

Data flows from: RTA (San Luis Obispo) (Existing)*San Luis Obispo County Local ITS*

To: RTA Automatic Safety Buttons (Planned)

- Planned flow: alarm acknowledge
- Planned flow: remote vehicle disable
- Planned flow: request for vehicle measures
- Planned flow: transit vehicle operator authentication update

- To: RTA AVL (Planned)
 - Planned flow: vehicle location
- To: RTA Kiosks (Planned)
 - Planned flow: alarm notification
 - Planned flow: environmental probe data
 - Planned flow: fare and payment status
 - Planned flow: request for bad tag list
 - Planned flow: transit fare coordination
 - Planned flow: transit service coordination
 - Planned flow: transit traveler information coordination
 - Planned flow: transit traveler request
 - Planned flow: transit vehicle conditions
 - Planned flow: transit vehicle location data
 - Planned flow: transit vehicle operator authentication information
 - Planned flow: transit vehicle passenger and use data
 - Planned flow: transit vehicle schedule performance
- To: RTA Next Bus CMS (Planned)
 - Planned flow: transit traveler information
- To: RTA SLO Regional Rideshare Website (Existing)
 - Existing flow: personal transit information
 - Existing flow: transit and fare schedules
 - Existing flow: transit request confirmation
- To: RTA Smart Card (Planned)
 - Planned flow: bad tag list
 - Planned flow: fare and payment status
 - Planned flow: fare management information
 - Planned flow: request for bad tag list
 - Planned flow: transit fare coordination
 - Planned flow: transit vehicle passenger and use data

Data flows from: RTA Automatic Safety Buttons (Planned)*San Luis Obispo County Local ITS*

- To: RTA (San Luis Obispo) (Existing)
 - Planned flow: alarm notification
 - Planned flow: transit vehicle conditions
 - Planned flow: transit vehicle location data
 - Planned flow: transit vehicle operator authentication information

Data flows from: RTA AVL (Planned)*San Luis Obispo County Local ITS*

- To: RTA (San Luis Obispo) (Existing)
 - Planned flow: transit vehicle location data
 - Planned flow: transit vehicle schedule performance
 - Planned flow: vehicle location

Data flows from: RTA Kiosks (Planned)

San Luis Obispo County Local ITS

- To: RTA (San Luis Obispo) (Existing)
 - Planned flow: alarm acknowledge
 - Planned flow: bad tag list
 - Planned flow: fare management information
 - Planned flow: remote vehicle disable
 - Planned flow: request for vehicle measures
 - Planned flow: transit fare coordination
 - Planned flow: transit schedule information
 - Planned flow: transit service coordination
 - Planned flow: transit traveler information
 - Planned flow: transit traveler information coordination
 - Planned flow: transit vehicle operator authentication update
 - Planned flow: transit vehicle operator information

Data flows from: RTA Next Bus CMS (Planned)San Luis Obispo County Local ITS

- To: RTA (San Luis Obispo) (Existing)
 - Planned flow: transit information user request

Data flows from: RTA SLO Regional Rideshare Website (Existing)San Luis Obispo County Local ITS

- To: RTA (San Luis Obispo) (Existing)
 - Existing flow: transit information request
 - Existing flow: transit information user request

Data flows from: RTA Smart Card (Planned)San Luis Obispo County Local ITS

- To: RTA (San Luis Obispo) (Existing)
 - Planned flow: bad tag list
 - Planned flow: fare and payment status
 - Planned flow: fare management information
 - Planned flow: request for bad tag list
 - Planned flow: transit fare coordination
 - Planned flow: transit vehicle passenger and use data

Data flows from: San Luis Obispo (City) Advanced Crosswalks (Existing)San Luis Obispo County Local ITS

- To: San Luis Obispo (City) Signal System (Existing)
 - Planned flow: request for right-of-way
 - Planned flow: roadway equipment coordination
 - Planned flow: signal control status
 - Existing flow: Smart Call Box Information
 - Planned flow: traffic flow
 - Planned flow: traffic images

To: San Luis Obispo (City) TMC (Planned)
Planned flow: request for right-of-way
Planned flow: signal control status
Planned flow: Smart Call Box Information
Planned flow: traffic flow
Planned flow: traffic images

Data flows from: San Luis Obispo (City) Advanced Rail Crossing (Planned)San Luis Obispo County Local ITS

To: San Luis Obispo (City) Signal System (Existing)
Planned flow: AHS status
Planned flow: barrier system status
Planned flow: environmental conditions data
Planned flow: environmental probe data
Planned flow: freeway control status
Planned flow: hov data
Planned flow: hri status
Planned flow: intersection blockage notification
Planned flow: request for right-of-way
Planned flow: reversible lane status
Planned flow: roadway equipment coordination
Planned flow: roadway information system status
Planned flow: safeguard system status
Planned flow: signal control status
Planned flow: Smart Call Box Information
Planned flow: speed monitoring information
Planned flow: traffic flow
Planned flow: traffic images
Planned flow: vehicle probe data

To: San Luis Obispo (City) TMC (Planned)
Planned flow: Smart Call Box Information

Data flows from: San Luis Obispo (City) Signal Pre-Emption (Existing)San Luis Obispo County Local ITS

To: San Luis Obispo (City) Signal System (Existing)
Planned flow: request for right-of-way
Planned flow: roadway equipment coordination
Planned flow: signal control status
Existing flow: Smart Call Box Information
Planned flow: traffic flow
Planned flow: traffic images

To: San Luis Obispo (City) TMC (Planned)
Planned flow: request for right-of-way
Planned flow: signal control status
Planned flow: Smart Call Box Information
Planned flow: traffic flow
Planned flow: traffic images

To: San Luis Obispo County Emergency Medical Services (Existing)
Existing flow: Smart Call Box Information

Data flows from: San Luis Obispo (City) Signal System (Existing)San Luis Obispo County Local ITS

To: San Luis Obispo (City) Advanced Crosswalks (Existing)

Planned flow: roadway equipment coordination

Planned flow: signal control data

Planned flow: traffic sensor control

Planned flow: video surveillance control

To: San Luis Obispo (City) Advanced Rail Crossing (Planned)

Planned flow: AHS control information

Planned flow: barrier system control

Planned flow: environmental sensors control

Planned flow: freeway control data

Planned flow: hri control data

Planned flow: hri request

Planned flow: reversible lane control

Planned flow: roadway equipment coordination

Planned flow: roadway information system data

Planned flow: safeguard system control

Planned flow: signal control data

Planned flow: speed monitoring control

Planned flow: traffic sensor control

Planned flow: video surveillance control

To: San Luis Obispo (City) Signal Pre-Emption (Existing)

Planned flow: roadway equipment coordination

Planned flow: signal control data

Planned flow: traffic sensor control

Planned flow: video surveillance control

To: San Luis Obispo (City) TMC (Planned)

Planned flow: request for right-of-way

Planned flow: signal control status

Planned flow: Smart Call Box Information

Planned flow: traffic flow

Planned flow: traffic images

Data flows from: San Luis Obispo (City) TMC (Planned)

San Luis Obispo County Local ITS

To: Caltrans D5 TMC (Existing)

- Planned flow: alert notification
- Planned flow: alert notification coordination
- Planned flow: alert status
- Planned flow: emergency plan coordination
- Planned flow: emergency route request
- Planned flow: emergency routes
- Planned flow: emergency traffic control information
- Planned flow: emergency traffic control request
- Planned flow: evacuation coordination
- Planned flow: evacuation information
- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: incident response status
- Planned flow: remote surveillance control
- Planned flow: resource coordination
- Planned flow: resource deployment status
- Planned flow: resource request
- Planned flow: road network conditions
- Planned flow: road network probe information
- Planned flow: road network status assessment
- Planned flow: threat information
- Planned flow: threat information coordination
- Planned flow: traffic control coordination
- Planned flow: traffic images
- Planned flow: traffic information coordination
- Planned flow: transportation system status

To: Private Call Answering Center (PCAC) (Planned)

- Planned flow: alert notification coordination
- Planned flow: alert status
- Planned flow: emergency plan coordination
- Planned flow: emergency routes
- Planned flow: emergency traffic control information
- Planned flow: evacuation coordination
- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: resource coordination
- Planned flow: resource deployment status
- Planned flow: road network conditions
- Planned flow: road network status assessment
- Planned flow: threat information coordination
- Planned flow: traffic images
- Planned flow: transportation system status

- To: San Luis Obispo (City) Advanced Crosswalks (Existing)
 - Planned flow: signal control data
 - Planned flow: traffic sensor control
 - Planned flow: video surveillance control
- To: San Luis Obispo (City) Signal Pre-Emption (Existing)
 - Planned flow: signal control data
 - Planned flow: traffic sensor control
 - Planned flow: video surveillance control
- To: San Luis Obispo (City) Signal System (Existing)
 - Planned flow: signal control data
 - Planned flow: traffic sensor control
 - Planned flow: video surveillance control
- To: San Luis Obispo County Emergency Medical Services (Existing)
 - Planned flow: traffic images

Data flows from: San Luis Obispo County Advanced Crosswalks (Planned)San Luis Obispo County Local ITS

- To: San Luis Obispo County Signal System (Existing)
 - Planned flow: request for right-of-way
 - Planned flow: roadway equipment coordination
 - Planned flow: signal control status
 - Planned flow: Smart Call Box Information
 - Planned flow: traffic flow
 - Planned flow: traffic images

Data flows from: San Luis Obispo County Advanced Rail Crossings (Planned)San Luis Obispo County Local ITS

- To: San Luis Obispo County Signal System (Existing)
 - Planned flow: AHS status
 - Planned flow: barrier system status
 - Planned flow: environmental conditions data
 - Planned flow: environmental probe data
 - Planned flow: freeway control status
 - Planned flow: hov data
 - Planned flow: hri status
 - Planned flow: intersection blockage notification
 - Planned flow: request for right-of-way
 - Planned flow: reversible lane status
 - Planned flow: roadway equipment coordination
 - Planned flow: roadway information system status
 - Planned flow: safeguard system status
 - Planned flow: signal control status
 - Planned flow: Smart Call Box Information
 - Planned flow: speed monitoring information
 - Planned flow: traffic flow
 - Planned flow: traffic images
 - Planned flow: vehicle probe data

Data flows from: San Luis Obispo County Emergency Medical Services (Existing)

San Luis Obispo County Local ITS

- To: Arroyo Grande Signal Pre-Emption (Existing)
 - Planned flow: barrier system control
 - Planned flow: local signal preemption request
- To: Atascadero Signal Pre-Emption (Existing)
 - Planned flow: barrier system control
 - Planned flow: local signal preemption request
- To: Caltrans D5 TMC (Existing)
 - Planned flow: alert notification
 - Planned flow: alert notification coordination
 - Planned flow: emergency dispatch response
 - Planned flow: emergency plan coordination
 - Planned flow: emergency route request
 - Planned flow: emergency traffic control request
 - Planned flow: emergency vehicle tracking data
 - Planned flow: environmental probe data
 - Planned flow: evacuation coordination
 - Planned flow: evacuation information
 - Planned flow: incident command information coordination
 - Planned flow: incident information
 - Planned flow: incident report
 - Planned flow: incident response coordination
 - Planned flow: incident response status
 - Planned flow: incident status
 - Planned flow: remote surveillance control
 - Planned flow: resource coordination
 - Planned flow: resource request
 - Planned flow: road network probe information
 - Planned flow: threat information
 - Planned flow: threat information coordination
 - Planned flow: transportation system status
- To: Grover Beach Signal Pre-Emption (Existing)
 - Planned flow: local signal preemption request
- To: Paso Robles Signal Pre-Emption (Existing)
 - Planned flow: barrier system control
 - Planned flow: local signal preemption request
- To: Pismo Beach Signal Pre-emption (Existing)
 - Planned flow: local signal preemption request

To: Private Call Answering Center (PCAC) (Planned)

- Planned flow: alert notification coordination
- Planned flow: emergency dispatch response
- Planned flow: emergency plan coordination
- Planned flow: emergency vehicle tracking data
- Planned flow: environmental probe data
- Planned flow: evacuation coordination
- Planned flow: incident command information coordination
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: incident status
- Planned flow: resource coordination
- Planned flow: threat information coordination
- Planned flow: transportation system status

To: San Luis Obispo (City) Signal Pre-Emption (Existing)

- Planned flow: local signal preemption request

To: San Luis Obispo County Signal Pre-Emption (Existing)

- Planned flow: local signal preemption request

Data flows from: San Luis Obispo County HRI (Planned)**San Luis Obispo County Local ITS****To: San Luis Obispo County Signal System (Existing)**

- Planned flow: AHS status
- Planned flow: barrier system status
- Planned flow: environmental conditions data
- Planned flow: environmental probe data
- Planned flow: freeway control status
- Planned flow: hov data
- Planned flow: hri status
- Planned flow: intersection blockage notification
- Planned flow: request for right-of-way
- Planned flow: reversible lane status
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system status
- Planned flow: safeguard system status
- Planned flow: signal control status
- Planned flow: Smart Call Box Information
- Planned flow: speed monitoring information
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: vehicle probe data

Data flows from: San Luis Obispo County Signal Pre-Emption (Existing)**San Luis Obispo County Local ITS****To: San Luis Obispo County Emergency Medical Services (Existing)**

- Existing flow: Smart Call Box Information

To: San Luis Obispo County Signal System (Existing)

- Planned flow: request for right-of-way
- Planned flow: roadway equipment coordination
- Planned flow: signal control status
- Existing flow: Smart Call Box Information
- Planned flow: traffic flow
- Planned flow: traffic images

Data flows from: San Luis Obispo County Signal System (Existing)**San Luis Obispo County Local ITS****To: San Luis Obispo County Advanced Crosswalks (Planned)**

- Planned flow: roadway equipment coordination
- Planned flow: signal control data
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: San Luis Obispo County Advanced Rail Crossings (Planned)

- Planned flow: AHS control information
- Planned flow: barrier system control
- Planned flow: environmental sensors control
- Planned flow: freeway control data
- Planned flow: hri control data
- Planned flow: hri request
- Planned flow: reversible lane control
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: San Luis Obispo County HRI (Planned)

- Planned flow: AHS control information
- Planned flow: barrier system control
- Planned flow: environmental sensors control
- Planned flow: freeway control data
- Planned flow: hri control data
- Planned flow: hri request
- Planned flow: reversible lane control
- Planned flow: roadway equipment coordination
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

- To: San Luis Obispo County Signal Pre-Emption (Existing)
Planned flow: roadway equipment coordination
Planned flow: signal control data
Planned flow: traffic sensor control
Planned flow: video surveillance control

Data flows from: SCAT (South County Area Transit) (Existing)San Luis Obispo County Local ITS

- To: SCAT AVL (Planned)
Planned flow: bad tag list
Planned flow: fare management information
Planned flow: vehicle location
- To: SCAT Kiosks (Planned)
Planned flow: transit and fare schedules
Planned flow: transit request confirmation
Planned flow: transit traveler information
- To: SCAT Next Bus CMS (Planned)
Planned flow: transit traveler information
- To: SCAT Smart Card (Planned)
Planned flow: bad tag list
Planned flow: fare and payment status
Planned flow: fare management information
Planned flow: request for bad tag list
Planned flow: transit fare coordination
Planned flow: transit vehicle passenger and use data

Data flows from: SCAT AVL (Planned)San Luis Obispo County Local ITS

- To: SCAT (South County Area Transit) (Existing)
Planned flow: fare and payment status
Planned flow: request for bad tag list
Planned flow: transit vehicle location data
Planned flow: transit vehicle passenger and use data
Planned flow: transit vehicle schedule performance
Planned flow: vehicle location

Data flows from: SCAT Kiosks (Planned)San Luis Obispo County Local ITS

- To: SCAT (South County Area Transit) (Existing)
Planned flow: transit information request
Planned flow: transit information user request

Data flows from: SCAT Next Bus CMS (Planned)San Luis Obispo County Local ITS

- To: SCAT (South County Area Transit) (Existing)
Planned flow: transit information user request

Data flows from: SCAT Smart Card (Planned)

San Luis Obispo County Local ITS

- To: SCAT (South County Area Transit) (Existing)
 - Planned flow: bad tag list
 - Planned flow: fare and payment status
 - Planned flow: fare management information
 - Planned flow: request for bad tag list
 - Planned flow: transit fare coordination
 - Planned flow: transit vehicle passenger and use data

Data flows from: SLO Transit (Existing)San Luis Obispo County Local ITS

- To: SLO Transit Automatic Safety Buttons (Planned)
 - Planned flow: alarm acknowledge
 - Planned flow: remote vehicle disable
 - Planned flow: request for vehicle measures
 - Planned flow: transit vehicle operator authentication update
- To: SLO Transit AVL (Planned)
 - Planned flow: vehicle location
- To: SLO Transit EDAPTS (TIS) (Existing)
 - Planned flow: transit traveler information
- To: SLO Transit Kiosks (Planned)
 - Planned flow: transit and fare schedules
 - Planned flow: transit request confirmation
 - Planned flow: transit traveler information
- To: SLO Transit Smart Card (Planned)
 - Planned flow: bad tag list
 - Planned flow: fare and payment status
 - Planned flow: fare management information
 - Planned flow: request for bad tag list
 - Planned flow: transit fare coordination
 - Planned flow: transit vehicle passenger and use data

Data flows from: SLO Transit Automatic Safety Buttons (Planned)San Luis Obispo County Local ITS

- To: SLO Transit (Existing)
 - Planned flow: alarm notification
 - Planned flow: transit vehicle conditions
 - Planned flow: transit vehicle location data
 - Planned flow: transit vehicle operator authentication information

Data flows from: SLO Transit AVL (Planned)San Luis Obispo County Local ITS

- To: SLO Transit (Existing)
 - Planned flow: transit vehicle location data
 - Planned flow: transit vehicle schedule performance
 - Planned flow: vehicle location

Data flows from: SLO Transit EDAPTS (TIS) (Existing)

San Luis Obispo County Local ITS

To: SLO Transit (Existing)
Planned flow: transit information user request

Data flows from: SLO Transit Kiosks (Planned)

San Luis Obispo County Local ITS

To: SLO Transit (Existing)
Planned flow: transit information request
Planned flow: transit information user request

Data flows from: SLO Transit Smart Card (Planned)

San Luis Obispo County Local ITS

To: SLO Transit (Existing)
Planned flow: bad tag list
Planned flow: fare and payment status
Planned flow: fare management information
Planned flow: request for bad tag list
Planned flow: transit fare coordination
Planned flow: transit vehicle passenger and use data

Data flows from: SLOCOG Call Boxes (Existing)

San Luis Obispo County Local ITS

To: Private Call Answering Center (PCAC) (Planned)
Planned flow: alarm notification
Planned flow: incident notification
Planned flow: secure area sensor data
Planned flow: secure area surveillance data

Data flows from: SLOCOG Smart Call Boxes (Planned)

San Luis Obispo County Local ITS

To: Private Call Answering Center (PCAC) (Planned)
Planned flow: incident notification
Planned flow: Smart Call Box Information