

Data flows from: Caltrans D4 CCTV (Existing)

Santa Cruz County Local ITS

- To: Caltrans D4 TMC (Existing)
 - Existing flow: Smart Call Box Information
- To: Caltrans D5 TMC (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 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: Caltrans D4 CMS (Existing)

Santa Cruz County Local ITS

- To: Caltrans D4 TMC (Existing)
 - Existing flow: Smart Call Box Information

Data flows from: Caltrans D4 HAR (Existing)

Santa Cruz County Local ITS

- To: Caltrans D4 TMC (Existing)
 - Existing flow: Smart Call Box Information

Data flows from: Caltrans D4 TMC (Existing)

Santa Cruz 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: Santa Cruz County Emergency Medical Services (Existing)

- Planned flow: emergency traffic control information
- Planned flow: incident information
- Planned flow: resource deployment status
- Planned flow: road network conditions

To: SCCRTC Freeway Service Patrol (Existing)

- Planned flow: incident command information coordination
- Planned flow: incident information
- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: resource deployment status
- Planned flow: road network conditions
- Planned flow: traffic images

Data flows from: Caltrans D4 Traffic Monitoring Stations (Existing)

Santa Cruz County Local ITS

To: Caltrans D4 TMC (Existing)

- Existing flow: Smart Call Box Information

Data flows from: Caltrans D5 (Portable) HAR (Planned)

Santa Cruz County Local ITS

To: Caltrans D5 TMC (Existing)

- Planned flow: AHS status
- Planned flow: alarm notification
- Planned flow: alert status
- Planned flow: barrier system status
- Planned flow: environmental conditions data
- Planned flow: environmental probe data
- Planned flow: fare and price information
- Planned flow: freeway control status
- Planned flow: hov data
- Planned flow: hri status
- Planned flow: intersection blockage notification
- Planned flow: logged vehicle routes
- Planned flow: request for right-of-way
- Planned flow: reversible lane status
- Planned flow: road network probe information
- Planned flow: roadway information system status
- Planned flow: safeguard system status
- Planned flow: secure area sensor data
- Planned flow: secure area surveillance data
- 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

Data flows from: Caltrans D5 CCTV (Programmed)

Santa Cruz County Local ITS

To: Caltrans D5 TMC (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 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

Data flows from: Caltrans D5 CMS (Programmed)

Santa Cruz County Local ITS

To: Caltrans D5 TMC (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 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

Data flows from: Caltrans D5 Ramp Meters (Existing)

Santa Cruz County Local ITS

To: Caltrans D5 TMC (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 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

Data flows from: Caltrans D5 TMC (Existing)

Santa Cruz County Local ITS

To: Caltrans D4 CCTV (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 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: Caltrans D4 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: Caltrans D5 (Portable) HAR (Planned)

- Planned flow: AHS control information
- Planned flow: alarm acknowledge
- Planned flow: alert notification
- Planned flow: barrier system control
- Planned flow: environmental sensors control
- Planned flow: evacuation information
- Planned flow: freeway control data
- Planned flow: hri control data
- Planned flow: hri request
- Planned flow: incident information
- Planned flow: request fare and price information
- Planned flow: reversible lane control
- Planned flow: road network conditions
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: secure area sensor control
- Planned flow: secure area surveillance control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: transportation system status
- Planned flow: video surveillance control

To: Caltrans D5 CCTV (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 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: Caltrans D5 CMS (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 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: Caltrans D5 Ramp Meters (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 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: Private Call Answering Center (PCAC) (Planned)

- Planned flow: incident report
- Planned flow: incident response coordination
- Planned flow: traffic images

To: Santa Cruz County Emergency Medical Services (Existing)

- Planned flow: alert notification coordination
- Planned flow: alert status
- 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

To: SCCRTC Freeway Service Patrol (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

To: SCCRTC Smart Call Boxes (Planned)

- Planned flow: AHS control information
- Planned flow: alarm acknowledge
- 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: incident notification response
- Planned flow: reversible lane control
- Planned flow: roadway information system data
- Planned flow: safeguard system control
- Planned flow: secure area sensor control
- Planned flow: secure area surveillance control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

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

Santa Cruz County Local ITS

To: Caltrans D5 TMC (Existing)

- Planned flow: Smart Call Box Information

Data flows from: Capitola Bicycle Detection System (Existing)

Santa Cruz County Local ITS

To: Capitola Signal System (Existing)

- Existing flow: Smart Call Box Information

Data flows from: Capitola Signal System (Existing)

Santa Cruz County Local ITS

To: SCCRTC Interagency Signal Management System (Planned)

- 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 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 control coordination
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: traffic information coordination
- Planned flow: vehicle probe data

Data flows from: Central Coast Dial-A-Ride Operators (Existing)

Santa Cruz County Local ITS

To: SC Metro (Santa Cruz Metropolitan Transit District) (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

To: SCCRTC Planning (Existing)
 Planned flow: transit archive data

Data flows from: Private Call Answering Center (PCAC) (Planned)

Santa Cruz County Local ITS

- To: Caltrans D4 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: Caltrans D5 TMC (Existing)
 - Planned flow: incident report
 - Planned flow: incident response coordination
 - Planned flow: remote surveillance control
- To: Santa Cruz (City) TMC (Planned)
 - Planned flow: incident report
 - Planned flow: incident response coordination
 - Planned flow: remote surveillance control
- To: Santa Cruz 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: SCCRTC Call Boxes (Existing)
 - Planned flow: incident notification response

- To: SCCRTC Freeway Service Patrol (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: SCCRTC Smart Call Boxes (Planned)
 - Planned flow: incident notification response

Data flows from: PVTMA All Things Transportation Website (Planned)

Santa Cruz County Local ITS

- To: SCCRTC Commute Solutions (Existing)
 - Planned flow: broadcast information
 - Planned flow: emergency traveler information
 - Planned flow: ISP coordination
 - Planned flow: traveler information
 - Planned flow: trip plan
 - Planned flow: yellow pages information
- To: SCCRTC Planning (Existing)
 - Planned flow: traveler archive data

Data flows from: Santa Cruz (City) Advanced Crosswalks (Planned)

Santa Cruz County Local ITS

- To: Santa Cruz (City) Signal System (Existing)
 - Planned flow: roadway equipment coordination
 - Planned flow: Smart Call Box Information

- To: Santa Cruz (City) TMC (Planned)
 - 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 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: Santa Cruz (City) Bicycle Detection System (Existing)

Santa Cruz County Local ITS

- To: Santa Cruz (City) Signal System (Existing)
 - Existing flow: Smart Call Box Information
- To: Santa Cruz (City) TMC (Planned)
 - Planned flow: Smart Call Box Information

Data flows from: Santa Cruz (City) CCTV (Existing)

Santa Cruz County Local ITS

- To: Santa Cruz (City) TMC (Planned)
 - 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 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: Santa Cruz (City) Signal System (Existing)

Santa Cruz County Local ITS

- To: Santa Cruz (City) Advanced Crosswalks (Planned)
 - Planned flow: roadway equipment coordination
- To: Santa Cruz (City) TMC (Planned)
 - Planned flow: freeway control status
 - Planned flow: request for right-of-way
 - Planned flow: signal control status
 - Planned flow: Smart Call Box Information
 - Planned flow: traffic control coordination
 - Planned flow: traffic flow
 - Planned flow: traffic images
 - Planned flow: traffic information coordination
- To: SCCRTC Interagency Signal Management System (Planned)
 - 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 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 control coordination
 - Planned flow: traffic flow
 - Planned flow: traffic images
 - Planned flow: traffic information coordination
 - Planned flow: vehicle probe data

Data flows from: Santa Cruz (City) TMC (Planned)

Santa Cruz County Local ITS

- To: Private Call Answering Center (PCAC) (Planned)
 - Planned flow: incident report
 - Planned flow: incident response coordination
 - Planned flow: traffic images

To: Santa Cruz (City) 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 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: Santa Cruz (City) CCTV (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 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: Santa Cruz (City) Signal System (Existing)

- Planned flow: freeway control data
- Planned flow: signal control data
- Planned flow: traffic control coordination
- Planned flow: traffic information coordination
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Santa Cruz County Emergency Medical Services (Existing)

- Planned flow: emergency traffic control information
- Planned flow: resource deployment status
- Planned flow: road network conditions
- Planned flow: traffic images

To: Santa Cruz Parking (City and Private) (Planned)

- Planned flow: parking demand management request
- Planned flow: parking lot data request
- Planned flow: parking lot inputs

To: SCCRTC Interagency Signal Management System (Planned)

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

Data flows from: Santa Cruz County Emergency Medical Services (Existing)

Santa Cruz County Local ITS

To: Caltrans D4 TMC (Existing)

- Planned flow: emergency traffic control request
- Planned flow: incident information
- Planned flow: incident response status
- Planned flow: remote surveillance control
- Planned flow: resource 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: 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: Santa Cruz (City) TMC (Planned)

- Planned flow: emergency traffic control request
- Planned flow: remote surveillance control
- Planned flow: resource request

Data flows from: Santa Cruz County HRI (Planned)

Santa Cruz County Local ITS

To: Santa Cruz 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: speed monitoring information
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: vehicle probe data

Data flows from: Santa Cruz County Signal System (Existing)

Santa Cruz County Local ITS

To: Santa Cruz 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: SCCRTC Interagency Signal Management System (Planned)

- 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 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 control coordination
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: traffic information coordination
- Planned flow: vehicle probe data

Data flows from: Santa Cruz Parking (City and Private) (Planned)

Santa Cruz County Local ITS

To: Santa Cruz (City) TMC (Planned)

- Planned flow: parking demand management response
- Planned flow: parking information

Data flows from: SC Metro (Santa Cruz Metropolitan Transit District) (Existing)

Santa Cruz County Local ITS

To: Central Coast Dial-A-Ride Operators (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
- Planned flow: vehicle location

To: SC Metro Fare Management System (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

To: SC Metro Traveler Information System (Programmed)

- Planned flow: demand responsive transit plan
- Planned flow: emergency traveler information request
- Planned flow: environmental probe data
- Planned flow: personal transit information
- Planned flow: transit and fare schedules
- Planned flow: transit fare information
- Planned flow: transit incident information
- Planned flow: transit request confirmation
- Planned flow: transit traveler information
- Planned flow: traveler profile
- Planned flow: traveler request
- Planned flow: trip confirmation
- Planned flow: trip request
- Planned flow: vehicle probe data
- Planned flow: yellow pages request

- To: SCCRTC Planning (Existing)
 - Planned flow: transit archive data
- To: University of California Santa Cruz Parking System (Planned)
 - Planned flow: parking lot data request
 - Planned flow: tag data

Data flows from: SC Metro Fare Management System (Planned)

Santa Cruz County Local ITS

- To: SC Metro (Santa Cruz Metropolitan Transit District) (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: SC Metro Traveler Information System (Programmed)

Santa Cruz County Local ITS

- To: SC Metro (Santa Cruz Metropolitan Transit District) (Existing)
 - Planned flow: broadcast information
 - Planned flow: demand responsive transit request
 - Planned flow: emergency traveler information
 - Planned flow: selected routes
 - Planned flow: transit fare and passenger status
 - Planned flow: transit information request
 - Planned flow: transit information user request
 - Planned flow: traveler information
 - Planned flow: trip plan
 - Planned flow: yellow pages information

Data flows from: SCCRTC Call Boxes (Existing)

Santa Cruz County Local ITS

- To: Private Call Answering Center (PCAC) (Planned)
 - Planned flow: incident notification
- To: SCCRTC Freeway Service Patrol (Existing)
 - Planned flow: alarm notification
 - Planned flow: incident notification
 - Planned flow: secure area sensor data
 - Planned flow: secure area surveillance data

Data flows from: SCCRTC Commute Solutions (Existing)

Santa Cruz County Local ITS

To: PVTMA All Things Transportation Website (Planned)

- Planned flow: emergency traveler information request
- Planned flow: ISP coordination
- Planned flow: traveler profile
- Planned flow: traveler request
- Planned flow: trip confirmation
- Planned flow: trip request
- Planned flow: yellow pages request

Data flows from: SCCRTC Freeway Service Patrol (Existing)

Santa Cruz County Local ITS

To: Caltrans D4 TMC (Existing)

- 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 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: 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: SCCRTC 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: SCCRTC Smart Call Boxes (Planned)

- Planned flow: alarm acknowledge
- Planned flow: barrier system control
- Planned flow: incident notification response
- Planned flow: local signal preemption request
- Planned flow: secure area sensor control
- Planned flow: secure area surveillance control

To: TAMC Freeway Service Patrol (Existing)

- Planned flow: alert notification coordination
- Planned flow: decision support information
- Planned flow: emergency dispatch requests
- 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: suggested route
- Planned flow: threat information coordination
- Planned flow: transportation system status

Data flows from: SCCRTC Interagency Signal Management System (Planned)

Santa Cruz County Local ITS

To: Capitola Signal System (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 information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic control coordination
- Planned flow: traffic information coordination
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Santa Cruz (City) Signal System (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 information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic control coordination
- Planned flow: traffic information coordination
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Santa Cruz (City) TMC (Planned)

- Planned flow: alert status
- Planned flow: emergency plan coordination
- Planned flow: emergency routes
- Planned flow: emergency traffic control information
- Planned flow: incident information
- Planned flow: resource deployment status
- Planned flow: road network conditions
- Planned flow: road network status assessment
- Planned flow: traffic control coordination
- Planned flow: traffic images
- Planned flow: traffic information coordination

To: Santa Cruz County Signal System (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 information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic control coordination
- Planned flow: traffic information coordination
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Scotts Valley Signal System (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 information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic control coordination
- Planned flow: traffic information coordination
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

To: Watsonville Signal System (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 information system data
- Planned flow: safeguard system control
- Planned flow: signal control data
- Planned flow: speed monitoring control
- Planned flow: traffic control coordination
- Planned flow: traffic information coordination
- Planned flow: traffic sensor control
- Planned flow: video surveillance control

Data flows from: SCCRTC Planning (Existing)

Santa Cruz County Local ITS

- To: Central Coast Dial-A-Ride Operators (Existing)
 - Planned flow: archive requests
 - Planned flow: archive status
- To: PVTMA All Things Transportation Website (Planned)
 - Planned flow: archive requests
 - Planned flow: archive status
- To: SC Metro (Santa Cruz Metropolitan Transit District) (Existing)
 - Planned flow: archive requests
 - Planned flow: archive status

Data flows from: SCCRTC Smart Call Boxes (Planned)

Santa Cruz County Local ITS

- To: Caltrans D5 TMC (Existing)
 - Planned flow: AHS status
 - Planned flow: alarm notification
 - 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: incident notification
 - Planned flow: intersection blockage notification
 - Planned flow: request for right-of-way
 - Planned flow: reversible lane status
 - Planned flow: roadway information system status
 - Planned flow: safeguard system status
 - Planned flow: secure area sensor data
 - Planned flow: secure area surveillance data
 - 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: Private Call Answering Center (PCAC) (Planned)
 - Planned flow: incident notification
 - Planned flow: Smart Call Box Information
- To: SCCRTC Freeway Service Patrol (Existing)
 - Planned flow: alarm notification
 - Planned flow: barrier system status
 - Planned flow: incident notification
 - Planned flow: secure area sensor data
 - Planned flow: secure area surveillance data
 - Planned flow: Smart Call Box Information

Data flows from: Scotts Valley Bicycle Detection System (Existing)

Santa Cruz County Local ITS

To: Scotts Valley Signal System (Existing)
Existing flow: Smart Call Box Information

Data flows from: Scotts Valley Signal System (Existing)

Santa Cruz County Local ITS

To: SCCRTC Interagency Signal Management System (Planned)

- 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 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 control coordination
- Planned flow: traffic flow
- Planned flow: traffic images
- Planned flow: traffic information coordination
- Planned flow: vehicle probe data

Data flows from: TAMC Freeway Service Patrol (Existing)

Santa Cruz County Local ITS

To: SCCRTC Freeway Service Patrol (Existing)

- Planned flow: alert notification coordination
- Planned flow: decision support information
- Planned flow: emergency dispatch requests
- 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: suggested route
- Planned flow: threat information coordination
- Planned flow: transportation system status

Data flows from: University of California Santa Cruz Parking System (Planned)

Santa Cruz County Local ITS

To: SC Metro (Santa Cruz Metropolitan Transit District) (Existing)

Planned flow: parking information

Planned flow: request tag data

Planned flow: tag update

Data flows from: Watsonville Advanced Crosswalks (Planned)

Santa Cruz County Local ITS

To: Watsonville Signal System (Planned)

Planned flow: Smart Call Box Information

Data flows from: Watsonville Bicycle Detection System (Existing)

Santa Cruz County Local ITS

To: Watsonville Signal System (Planned)

Planned flow: Smart Call Box Information

Data flows from: Watsonville Signal System (Planned)

Santa Cruz County Local ITS

To: SCCRTC Interagency Signal Management System (Planned)

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 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 control coordination

Planned flow: traffic flow

Planned flow: traffic images

Planned flow: traffic information coordination

Planned flow: vehicle probe data