

## Market Packages for Region North Valley Regional ITS Architecture

Market Package

Element(s)

### North Valley Market Packages (Transportation Services)

#### Caltrans Network Surveillance (ATMS01) -- Existing

Caltrans Field Equipment  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
Information Service Providers (ISP)

#### Chico Network Surveillance (ATMS01) -- Planned

Chico Field Equipment  
Chico Traffic Signal System

#### Caltrans Surface Street Control (ATMS03) -- Planned

Caltrans Field Equipment  
Caltrans Traffic Management Systems  
Chico Field Equipment  
Chico Traffic Signal System  
Local Cities/Counties Field Equipment (signals)  
Local Cities/Counties Signal Systems Mgmt.

#### Chico Surface Street Control (ATMS03) -- Planned

Caltrans Traffic Management Systems  
Chico Field Equipment  
Chico Traffic Signal System

#### Local Cities/Counties Surface Street Control (ATMS03) -- Planned

Local Cities/Counties Field Equipment (signals)  
Local Cities/Counties Signal Systems Mgmt.

#### Freeway Control (ATMS04) - Planned

Caltrans Field Equipment  
Caltrans Traffic Management Systems

#### Caltrans Traffic Information Dissemination (ATMS06) – Planned

BCAG Webpage and ISP  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Information Service Providers (ISP)

#### North Valley Regional Traffic Control - Planned (ATMS07) – Planned

Caltrans Field Equipment  
Caltrans Traffic Management Systems  
Chico Field Equipment  
Chico Traffic Signal System

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### Element(s)

Local Cities/Counties Field Equipment (signals)  
Local Cities/Counties Signal Systems Mgmt.

### Traffic Incident Management System - Planned (ATMS08) – Planned

BCAG Webpage and ISP  
California Department of Forestry (CDF)  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
Chico Area Transit System (CATS)  
Chico Traffic Signal System  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Information Service Providers (ISP)  
Local Cities/Counties Maintenance Construction Systems

### Speed Monitoring on State Highways (ATMS19) -- Planned

Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems

### Roadway Closure Management (ATMS21) -- Existing

Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Information Service Providers (ISP)  
Local Cities/Counties Maintenance Construction Systems

### Caltrans MCO Vehicle and Equipment Tracking (MC01) – Existing

Caltrans Maintenance and Construction Systems  
Caltrans Maintenance and Construction Vehicles

### Chico MCO Vehicle and Equipment Tracking (MC01) -- Planned

Chico Maintenance and Construction Dispatch  
Chico MCO Vehicles

### Local Cities/Counties MCO Vehicle and Equipment Tracking (MC01) -- Planned

Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Maintenance Construction Veh

### Maintenance and Construction Vehicle Maintenance (MC02) -- Existing

Caltrans Maintenance and Construction Systems  
Caltrans Maintenance and Construction Vehicles

### Caltrans Road Weather Data Collection (MC03) – Existing

BCAG Webpage and ISP  
Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems

## **Market Packages for Region North Valley Regional ITS Architecture**

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### **Element(s)**

Caltrans Maintenance and Construction Vehicles  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP

### **Weather Information Processing and Distribution (MC04) -- Existing**

Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP

### **Winter Maintenance (MC06) - Existing**

BCAG Webpage and ISP  
Caltrans Maintenance and Construction Systems  
Caltrans Maintenance and Construction Vehicles  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Information Service Providers (ISP)

### **Winter Maintenance - Chico (MC06) – Planned**

BCAG Webpage and ISP  
Chico Maintenance and Construction Dispatch  
Chico MCO Vehicles  
Chico Traffic Signal System

### **Winter Maintenance Local Cities/Counties (MC06) -- Planned**

Butte County Transit (BCT)  
Caltrans Webpage and ISP  
Chico Area Transit System (CATS)  
Chico Maintenance and Construction Dispatch  
Chico MCO Vehicles  
Chico Traffic Signal System  
Colusa County Offices of Emergency Management  
Colusa County Sheriff Dispatch  
Glenn County Offices of Emergency Management  
Glenn County Sheriff Dispatch  
Glenn County Transit Management Systems  
Information Service Providers (ISP)  
Local Cities/Counties Fire Dept. Dispatch Systems  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Maintenance Construction Veh  
Local Cities/Counties Police Dispatch  
Local Cities/Counties Signal Systems Mgmt.  
Local Transit Agencies  
Oroville Area Transit System (OATS)

### **Roadway Maintenance and Construction (MC07) -- Existing**

Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems  
Caltrans Maintenance and Construction Vehicles  
Caltrans Traffic Management Systems  
CHP Dispatch Systems - Chico

## **Market Packages for Region North Valley Regional ITS Architecture**

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### **Element(s)**

#### **Roadway Maintenance and Construction for Local Cities/Counties (MC07) -- Planned**

Chico Field Equipment  
Chico Maintenance and Construction Dispatch  
Chico MCO Vehicles  
Chico Traffic Signal System  
Local Cities/Counties Field Equipment (signals)  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Maintenance Construction Veh  
Local Cities/Counties Signal Systems Mgmt.

#### **Work Zone Management (MC08) – Existing**

BCAG Webpage and ISP  
Butte County Transit (BCT)  
Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems  
Caltrans Maintenance and Construction Vehicles  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP

#### **Work Zone Management for Local Cities/Counties (MC08) – Planned**

BCAG Webpage and ISP  
Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Chico Field Equipment  
Chico Maintenance and Construction Dispatch  
Chico MCO Vehicles  
Chico Traffic Signal System  
Local Cities/Counties Field Equipment (signals)  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Maintenance Construction Veh  
Local Cities/Counties Signal Systems Mgmt.

#### **Maintenance and Construction Activity Coordination (MC10) - Planned**

BCAG Webpage and ISP  
Butte County Sheriff (Coroner Dispatch)  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
Chico Maintenance and Construction Dispatch  
Chico Traffic Signal System  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Information Service Providers (ISP)  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Signal Systems Mgmt.

#### **Transit Vehicle Tracking (APTS1) – Planned**

BCAG Webpage and ISP  
Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Glenn County Transit Management Systems  
Glenn County Transit Vehicles

## **Market Packages for Region North Valley Regional ITS Architecture**

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### **Element(s)**

Oroville Area Transit System (OATS)  
Transit Vehicles Managed by BCAG

### **Transit Fixed-Route Operations (APTS2) – Existing**

BCAG Webpage and ISP  
Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Glenn County Transit Management Systems  
Glenn County Transit Vehicles  
Local Transit Agencies  
Oroville Area Transit System (OATS)  
Transit Vehicles Managed by BCAG

### **Demand Response Transit Operations (APTS3) - Existing**

Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Oroville Area Transit System (OATS)  
Transit Vehicles Managed by BCAG

### **Transit Passenger and Fare Management (APTS4) -- Existing**

BCAG Webpage and ISP  
Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Electronic Fare Payment for Transit - Financial Institutions  
Glenn County Transit Management Systems  
Glenn County Transit Vehicles  
Local Transit Agencies  
Oroville Area Transit System (OATS)  
Transit Vehicles Managed by BCAG  
Traveling Public

### **Transit Security (APTS5) -- Planned**

BCAG Webpage and ISP  
Chico Area Transit System (CATS)

### **Transit Maintenance (APTS6) - Planned**

Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Transit Vehicles Managed by BCAG

### **Multi-modal Coordination (APTS7) – Planned**

Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Chico Field Equipment  
Chico Traffic Signal System  
Transit Vehicles Managed by BCAG

### **Transit Traveler Information (APTS8) -- Planned**

BCAG Webpage and ISP  
Butte County Transit (BCT)

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Chico Area Transit System (CATS)  
Oroville Area Transit System (OATS)  
Transit Vehicles Managed by BCAG  
Traveling Public

### **Broadcast Traveler Information (ATIS1) – Planned**

BCAG Webpage and ISP  
Butte County Sheriff (Coroner Dispatch)  
Butte County Transit (BCT)  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
Chico Area Transit System (CATS)  
Chico Traffic Signal System  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Colusa County Sheriff Dispatch  
Glenn County Sheriff Dispatch  
Information Service Providers (ISP)  
Local Cities/Counties Police Dispatch  
Oroville Area Transit System (OATS)  
Traveling Public

### **ISP Based Route Guidance (ATIS5) – Exiting**

Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Information Service Providers (ISP)  
Traveling Public

### **Emergency Call-Taking and Dispatch for the North Valley (EM01) -- Existing**

Butte County Sheriff (Coroner Dispatch)  
Butte County Sheriff Vehicles  
CHP Dispatch Systems - Chico  
CHP Emergency Vehicles  
Colusa County Sheriff Dispatch  
Colusa Sheriff Vehicles  
Glenn County Sheriff Dispatch  
Glenn County Sheriff Vehicles  
Local Cities/Counties Police Dispatch

### **Wide-Area Alert (EM06) - Planned**

BCAG Webpage and ISP  
Butte County Office of Emergency Management  
Butte County Sheriff (Coroner Dispatch)  
Butte County Transit (BCT)  
California Department of Forestry (CDF)  
Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
Chico Area Transit System (CATS)  
Chico Maintenance and Construction Dispatch  
Chico Traffic Signal System  
CHP Dispatch Systems - Chico

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### Element(s)

CHP Incident Info for ISP - Sacramento and Chico CHP  
Colusa County Offices of Emergency Management  
Colusa County Sheriff Dispatch  
Glenn County Offices of Emergency Management  
Glenn County Sheriff Dispatch  
Glenn County Transit Management Systems  
Information Service Providers (ISP)  
Local Cities/Counties Fire Dept. Dispatch Systems  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Police Dispatch  
Oroville Area Transit System (OATS)  
Traveling Public

### Early Warning System (EM07) – Planned

Butte County Office of Emergency Management  
Butte County Sheriff (Coroner Dispatch)  
California Department of Forestry (CDF)  
Caltrans Maintenance and Construction Systems  
Chico Maintenance and Construction Dispatch  
CHP Dispatch Systems - Chico  
Colusa County Offices of Emergency Management  
Colusa County Sheriff Dispatch  
Glenn County Offices of Emergency Management  
Glenn County Sheriff Dispatch  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Police Dispatch  
Traveling Public

### Disaster Response and Recovery (EM08) – Planned

Butte County Office of Emergency Management  
Butte County Sheriff (Coroner Dispatch)  
California Department of Forestry (CDF)  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Chico Maintenance and Construction Dispatch  
CHP Dispatch Systems - Chico  
Colusa County Offices of Emergency Management  
Colusa County Sheriff Dispatch  
Glenn County Offices of Emergency Management  
Glenn County Sheriff Dispatch  
Local Cities/Counties Fire Dept. Dispatch Systems  
Local Cities/Counties Maintenance Construction Systems  
Local Cities/Counties Police Dispatch

### Evacuation and Reentry Management (EM09) -- Planned

Butte County Office of Emergency Management  
Butte County Sheriff (Coroner Dispatch)  
Butte County Transit (BCT)  
California Department of Forestry (CDF)  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Chico Area Transit System (CATS)  
Chico Maintenance and Construction Dispatch  
Chico Traffic Signal System

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**Element(s)**

- CHP Dispatch Systems - Chico
- Colusa County Offices of Emergency Management
- Colusa County Sheriff Dispatch
- Glenn County Offices of Emergency Management
- Glenn County Sheriff Dispatch
- Glenn County Transit Management Systems
- Local Cities/Counties Fire Dept. Dispatch Systems
- Local Cities/Counties Maintenance Construction Systems
- Local Cities/Counties Police Dispatch
- Local Transit Agencies
- Oroville Area Transit System (OATS)



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### **Element(s)**

#### **Disaster Traveler Information (EM10) -- Planned**

BCAG Webpage and ISP  
Butte County Office of Emergency Management  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP  
CHP Dispatch Systems - Chico  
CHP Incident Info for ISP - Sacramento and Chico CHP  
Glenn County Offices of Emergency Management  
Information Service Providers (ISP)  
Traveling Public

#### **Emergency Management ITS Data Mart (AD1) – Planned**

BCAG Webpage and ISP  
Butte County Office of Emergency Management  
California Department of Forestry (CDF)  
Caltrans Traffic Management Systems  
CHP Dispatch Systems - Chico  
Colusa County Offices of Emergency Management  
Glenn County Offices of Emergency Management  
Information Service Providers (ISP)

#### **ITS Data Mart for Caltrans (AD1) -- Existing**

Caltrans Field Equipment  
Caltrans Maintenance and Construction Systems  
Caltrans Traffic Management Systems  
Caltrans Webpage and ISP

#### **ITS Data Mart for Transit (AD1) -- Planned**

Butte County Transit (BCT)  
Chico Area Transit System (CATS)  
Glenn County Transit Management Systems  
Local Transit Agencies  
Oroville Area Transit System (OATS)