

Appendix G: Turbo Architecture Output

Turbo Architecture Stakeholder Output
Turbo Architecture Inventory Output

Stakeholders Report

8/17/2005 9:04:39PM



Stakeholder

Amtrak

Description: Salem-Keizer rail operator

Associated Element: Railroad Operations Center

Associated Element: Wayside Equipment

Cherriots

Description: Salem-Keizer area transit provider

Associated Element: Cherriots Transit Vehicles

Associated Element: Cherriots Transit Management

City of Keizer

Description: The City of Keizer is a key stakeholder in this effort.

Associated Element: City of Keizer Traffic Management

Associated Element: City of Keizer Weather Station

Associated Element: City of Keizer Traffic Signals

Associated Element: City of Keizer Traffic Cameras

City of Keizer Police and Fire

Description: Local emergency response for the City of Keizer

Associated Element: City of Keizer Emergency Vehicles

Associated Element: City of Keizer Emergency Management

City of Salem

Description: The City of Salem is one of the primary stakeholders in this effort.

Associated Element: City of Salem Traffic Cameras

Associated Element: City of Salem Traffic Signals

Associated Element: City of Salem Parking Management

Associated Element: City of Salem Weather Stations

Associated Element: City of Salem Traffic Count Stations

Associated Element: City of Salem Traffic Management

City of Salem Police and Fire

Description: Local emergency response for the city of Salem

Associated Element: City of Salem Emergency Management

Associated Element: City of Salem Emergency Vehicles

Emergency Management

Description: This is a stakeholder group of all of the Emergency Management agencies in the region, for the purposes of simplifying sections of the Architecture where these agencies perform similarly.

Stakeholders in this group:

Marion County

Willamette Valley Communication Center (911 Center)

Oregon State Police

Polk County

City of Salem Police and Fire

City of Keizer Police and Fire

Marion County Sheriff

Local Public Works Agencies

Description:

Stakeholders in this group:

Marion County

City of Keizer

City of Salem

Polk County

Associated Element: City/County Maintenance and Construction Management

Associated Element: City/County Maintenance and Construction Vehicles

Marion County

Stakeholder

Description: The county provides road maintenance and emergency response services to the region.

Associated Element: Marion County Weather Stations

Associated Element: Marion County Traffic Management

Associated Element: Marion County Traffic Signals

Associated Element: Marion County Emergency Management

Associated Element: Marion County Website

Associated Element: Marion County Traffic Cameras

Marion County Sheriff

Description: County law enforcement and first responder to county road incidents.

Associated Element: Marion County Sheriff Vehicles

Mid-Willamette Council of Governments (MWVCOG)

Description: The MWVCOG is a primary stakeholder.

Associated Element: Mid Willamette Valley Council of Government (MWVCOG)

Oregon Department of Transportation

Description: ODOT Region 2 is the local ODOT office, operating the TOC and providing signal operations and maintenance services to the local agencies.

Associated Element: ODOT Traffic Cameras

Associated Element: ODOT Traveler Information Service Provider

Associated Element: ODOT Incident Response Vehicles

Associated Element: ODOT Traffic Signals

Associated Element: ODOT Emergency Management - Incident Response

Associated Element: ODOT Weather Stations

Associated Element: ODOT Northwest Transportation Operations Center

Associated Element: ODOT Agency Operations Center (AOC)

Associated Element: ODOT Maintenance and Construction Management

Associated Element: ODOT Dynamic Message Signs

Associated Element: ODOT Traffic Count Stations

Associated Element: ODOT Maintenance and Construction Vehicles

Associated Element: ODOT Roadway/Vehicle Warning System

Associated Element: ODOT Highway Advisory Radio

Oregon State Police

Description: Oregon State Police are the statewide incident response and law enforcement agency. They respond to incidents on state highways and are dispatched through the Salem call center.

Associated Element: Oregon State Police CAD

Polk County

Description: The county provides road maintenance and emergency response services to the region.

Associated Element: Polk County Maintenance and Construction Vehicles

Associated Element: Polk County Traffic Management

Associated Element: Polk County Emergency Management

Associated Element: Polk County Emergency Vehicles

Public Transportation Providers

Description: Other transit providers serving the area include:

~ Chemeketa Area Regional Transportation System (CARTS)

~ South Metro Area Rapid Transit (SMART)

~ TripLink

~ Salem-Keizer Yellow Cab Company

~ A-Cab Taxi Company

~ Wheels

Travelers

Description: General public users of personal electronic devices (personal computers, cell phones, PDAs) to access traveler information

Associated Element: Personal Information Access

Associated Element: Vehicles

Willamette Valley Communication Center (911 Center)

Stakeholder

Description: Provides dispatching for all of the region's emergency agencies.

Associated Element: Willamette Valley Communication Center EOC

Associated Element: Willamette Valley Communication Center (911) CAD

Inventory Report

8/17/2005 9:04:55PM



Stakeholder Inventory for Region Salem-Keizer Regional ITS Architecture

Element: Construction Project Website

Status: Planned

Description: A website containing information about regionwide and statewide construction projects that are existing and planned.

Element: Local Care Facilities

Status: Existing

Description: Local hospitals and other facilities that provide care in an emergency.

Element: Local Media

Status: Existing

Description: The Media element represents the information systems that provide traffic reports, travel conditions, and other transportation-related news services to the traveling public through radio, TV, and other media.

Amtrak

Element: Railroad Operations Center

Status: Existing

Description: This is the central dispatch center for rail operations on tracks passing through the Salem-Keizer metropolitan area.

Element: Wayside Equipment

Status: Planned

Description: This equipment detects approaching trains and can be used to transmit train location information to traffic management centers or individual crossings.

Cherriots

Element: Cherriots Transit Management

Status: Existing

Description: Cherriots uses a CAD system that has the capability to support AVL and traveler information applications

Element: Cherriots Transit Vehicles

Status: Existing

Description: Fixed Route and Paratransit Vehicles

City of Keizer

Element: City of Keizer Traffic Cameras

Status: Planned

Description: Cameras for the City of Keizer will include a combination of monitoring and vehicle detection.

Element: City of Keizer Traffic Management

Status: Existing

Description: City of Keizer traffic signals are operated and maintained by the City of Salem at this time.

Element: City of Keizer Traffic Signals

Status: Existing

Description: The city of Keizer owns 14 traffic signals.

Element: City of Keizer Weather Station

Status: Existing

Description: The City of Keizer has one weather station located behind the Keizer Public Works building.

City of Keizer Police and Fire

Element: City of Keizer Emergency Management

Status: Existing

Description: This includes the emergency services and the emergency operations center located in the City of Keizer building that is activated during major emergencies.

Element: City of Keizer Emergency Vehicles

Status: Existing

Description: City of Keizer police and fire vehicles

City of Salem

Element: City of Salem Parking Management

Status: Planned

Description: Numerous parking facilities exist in downtown Salem, specifically near the conference center.

Stakeholder Inventory for Region Salem-Keizer Regional ITS Architecture

Element: City of Salem Traffic Cameras *Status:* Existing
Description: Existing cameras are used for video detection and can collect volumes and classification information

Element: City of Salem Traffic Count Stations *Status:* Planned
Description: City of Salem uses video to collect traffic volume and classification information.

Element: City of Salem Traffic Management *Status:* Existing
Description: City of Salem currently operates and maintains the traffic signals in the metropolitan area. Salem has an existing central traffic signal system and access to video images at the operations workstation.

Element: City of Salem Traffic Signals *Status:* Existing
Description: The city of Salem owns and operates 164 traffic signals

Element: City of Salem Weather Stations *Status:* Planned
Description:

City of Salem Police and Fire

Element: City of Salem Emergency Management *Status:* Existing
Description: This includes the emergency services located in the Willamette Valley Communication Center and the emergency operations center that is activated during major emergencies.

Element: City of Salem Emergency Vehicles *Status:* Existing
Description: City of Salem police and fire vehicles

 Local Public Works Agencies*Stakeholders in this group:*

Marion County
City of Keizer
City of Salem
Polk County

Element: City/County Maintenance and Construction Management *Status:* Existing
Description: Local road maintenance departments

Element: City/County Maintenance and Construction Vehicles *Status:* Existing
Description:

Marion County

Element: Marion County Emergency Management *Status:* Existing
Description: This includes emergency services and the emergency operation center located at the Marion County building on Silverton east of Cordon Road, activated during major emergencies.

Element: Marion County Traffic Cameras *Status:* Planned
Description: Cameras for Marion County will include a combination of monitoring and vehicle detection.

Element: Marion County Traffic Management *Status:* Existing
Description: Marion County does not operate or maintain any traffic signals at this time.

Element: Marion County Traffic Signals *Status:* Existing
Description: Marion County owns 14 traffic signals. City of Salem operates and maintains the traffic signals

Element: Marion County Weather Stations *Status:* Existing
Description: Three weather stations are currently owned and operated by Marion County. Weather information is posted on Marion County's website.

Element: Marion County Website *Status:* Existing
Description: Marion County's website includes information about the operational status of the the ferries and weather station information.

Stakeholder Inventory for Region Salem-Keizer Regional ITS Architecture

Marion County Sheriff*Element:* Marion County Sheriff Vehicles*Status:* Existing*Description:***Mid-Willamette Council of Governments (MWVCOG)***Element:* Mid Willamette Valley Council of Government (MWVCOG)*Status:* Planned*Description:* This is the planned location of the archived data management system.**Oregon Department of Transportation***Element:* ODOT Agency Operations Center (AOC)*Status:* Existing*Description:* Located in the same building as the NWTOC. This center is activated with a Level 4 (major) emergency. This center serves as an agency wide coordination point for ODOT emergency response activities.*Element:* ODOT Dynamic Message Signs*Status:* Existing*Description:* ODOT has fixed DMS near the study area and can control additional signs from the TOC (which are outside of the study area). More signs are planned. ODOT owns several portable signs.*Element:* ODOT Emergency Management - Incident Response*Status:* Existing*Description:* The TOC emergency management functions include incident management and implementation of Emergency Operations Plans.*Element:* ODOT Highway Advisory Radio*Status:* Planned*Description:* There are no existing HAR in the Salem-Keizer metropolitan area today. However, ODOT uses HAR in other metropolitan areas and the Oregon Coast. This plan includes HAR for disseminating traveler information in the Salem-Keizer metropolitan area.*Element:* ODOT Incident Response Vehicles*Status:* Existing*Description:* ODOT Region 2 has incident response vehicles.*Element:* ODOT Maintenance and Construction Management*Status:* Existing*Description:* Maintenance and Construction Management functions include monitoring conditions via cameras and environmental sensors, coordinating crew assignments, outputs to traveler information (HAR, DMS), and crew dispatching.*Element:* ODOT Maintenance and Construction Vehicles*Status:* Existing*Description:* Existing maintenance vehicles.*Element:* ODOT Northwest Transportation Operations Center*Status:* Existing*Description:* The TOC controls dynamic message signs, cameras, highway advisory radio, and dispatches incident response and maintenance vehicles. The NWTOC controls devices in the Eugene metropolitan area and Region 4 after hours*Element:* ODOT Roadway/Vehicle Warning System*Status:* Planned*Description:* Roadside systems that provide in-vehicle warnings, such as for wildlife detection or congestion alerts.*Element:* ODOT Traffic Cameras*Status:* Existing*Description:* ODOT has several existing and planned cameras in the study area.*Element:* ODOT Traffic Count Stations*Status:* Existing*Description:* ODOT operates automatic traffic recorders.*Element:* ODOT Traffic Signals*Status:* Existing*Description:* ODOT owns 49 traffic signals in the study area; including 36 that are owned by ODOT and maintained by the City of Salem.*Element:* ODOT Traveler Information Service Provider*Status:* Existing*Description:* ODOT real-time traveler information systems that provide information to TripCheck, and 511.*Element:* ODOT Weather Stations*Status:* Existing

Stakeholder Inventory for Region Salem-Keizer Regional ITS Architecture*Element:* ODOT Weather Stations*Status:* Existing*Description:* ODOT operates and maintains weather stations in the area. Information from these sites is provided to the public via TripCheck**Oregon State Police***Element:* Oregon State Police CAD*Status:* Existing*Description:* Dispatch Center for OSP. Collocated with ODOT NorthwestTraffic Operations Center (NWTOC).**Polk County***Element:* Polk County Emergency Mangement*Status:* Existing*Description:* This includes emergency services and the emergency operation center activated in major emergencies.*Element:* Polk County Emergency Vehicles*Status:* Existing*Description:* Polk County police and fire vehicles.*Element:* Polk County Maintenance and Construction Vehicles*Status:* Existing*Description:**Element:* Polk County Traffic Mangement*Status:* Existing*Description:***Travelers***Element:* Personal Information Access*Status:* Existing*Description:* Personal Information Access subsystem, as described in the National ITS Architecture.*Element:* Vehicles*Status:* Existing*Description:* Personal vehicles driven by the public that are equipped to receive in-vehicle information via roadside devices (specifically supporting ODOT advanced vehicle system initiatives).**Willamette Valley Communication Center (911 Center)***Element:* Willamette Valley Communication Center (911) CAD*Status:* Existing*Description:* Provides dispatching for the region's emergency response agencies, except for the Oregon State Police*Element:* Willamette Valley Communication Center EOC*Status:* Existing*Description:* Located at the 911 center, activated during significant emergencies.