



Appendix H

ARCHITECTURE

CONTENTS

Log of Changes to TransPort Regional Architecture

Stakeholders Report

Inventory Report

Table H-1 Clackamas County User Needs Mapped to User Services

Log of Changes to TransPort Regional Architecture

1) Break out Cities or leave as the “Other Cities in Clackamas” element.

TAB 2 – INVENTORY

Add a new element for Clackamas County Traveler Information web page
Add Maintenance and Maintenance Vehicles Elements
Add Clackamas County Parking Management
Clackamas 911 – Delete Milwaukie
Add Other Cities in Clackamas TOC

TAB 3 – MARKET PACKAGES

ATMS01 – Select Clackamas County TMC, Clackamas County TMC Traffic Signals..., and Other Cities in Clackamas County Traffic Signals.
ATMS02 – Select Clackamas County TMC
ATMS03 – Select Clackamas County TMC, Clackamas County TMC Traffic Signals..., and Other Cities in Clackamas County Traffic Signals
ATMS04 – Could add Clackamas TMC as planned
ATMS06 - Select Clackamas County TMC, Clackamas County TMC Traffic Signals..., and Other Cities in Clackamas County Traffic Signals
ATMS07 – Add Clackamas County TMC
ATMS08 – Select Clackamas County TMC, Clackamas County TMC Traffic Signals..., and Other Cities in Clackamas County Traffic Signals
ATMS09 – Clackamas would like this, but only WSDOT is selected now. Shouldn't the TransPort Data Warehouse be selected here?
ATMS13 – Add Clackamas TMC
ATMS14 – Add Clackamas TMC
ATMS15 – Add Clackamas TMC
ATMS16 – No selected elements, but I would like to select Clackamas
ATMS19 – Select this new market package (Speed Monitoring)

MC01 – Maintenance Vehicle Tracking. Would like to add this for Clackamas
MC03 – Road Weather Data Collection – Add this for Clackamas
MC04 – Add Clackamas TMC
MC06 – Winter Maintenance – Select for Clackamas
MC07 – Roadway Maintenance and Construction – Select this for Clackamas
MC08 – Work Zone Management – Select this for Clackamas
MC10 – Select this for the region

APTS7 – Multimodal Coordination – Add Clackamas TMC and Clackamas TMC Traffic Signals... This package should also have City of Portland Field Devices selected.

ATIS1 – Add Clackamas TMC

EM2 – Add Clackamas TMC and Clackamas TMC Traffic Signals...
EM4 – COMET Vehicles should be selected here.

TAB 5 – CUSTOMIZE

Interconnects

- 1) Add an interconnect between Clackamas TMC and TransPort TMOC (Traffic Mngmt and Emergency Mgmt) Check the Regional TM to TM connections.
- 2) Deselect the interconnect between Clackamas County TMC Traffic Signals and Roadside Devices and Washington County Fire Vehicles
- 3) Edit the Clackamas Fire Vehicles, Multnomah Fire Vehicles, etc. These show connections to multiple agencies field devices. Is it necessary to have a Clackamas Fire Vehicle Connection to City of Gresham or City of Beaverton Field Equipment?
- 4) Need an connection from new element Clackamas Maintenance Center to Clackamas Field Devices and Other Cities in Clackamas Field Devices

Flows

- 1) Change flow “signal control data” from Clackamas TMC to Clackamas Field Devices from planned to existing

Stakeholders Report

2/5/2003 6:22:11PM



Stakeholder

911 - Clark

Description:

Associated Element: Clark County 911 - EMC

911 - Multnomah

Description:

Associated Element: Multnomah County 911-EMC

911 - Washington

Description:

Associated Element: Washington County 911-EMC

911- Clackamas

Description:

Associated Element: Clackamas County 911-EMC

BNSF-UP

Description:

Associated Element: Rail Operations (BNSF-UP)

Broadcast Media Companies

Description:

Associated Element: Broadcast Media for Portland/Vancouver area

City of Beaverton

Description:

Associated Element: City of Beaverton TOC

City of Camas

Description:

Associated Element: City of Camas TOC

City of Gresham

Description:

Associated Element: City of Gresham TOC

City of Portland

Description:

Associated Element: City of Portland TOC

Associated Element: Portland Street Car Operations Center

City of Vancouver

Description:

Associated Element: City of Vancouver TMC

City of Wilsonville

Description:

Associated Element: City of Wilsonville SMART

Clackamas County

Description:

Associated Element: Clackamas County Maintenance and Construction Management Center

Associated Element: Clackamas County TMC

Associated Element: Other Cities in Clackamas TOC

Clark County

Description:

Associated Element: Clark County TMC

County EOCs

Description: Multnomah, Clark,

County Offices of Emergency Management

Description:

Stakeholder

CTTRAN

Description:

Associated Element: CTRANS Transit Management

High Speed Rail Operator

Description:

Associated Element: High Speed Rail (Eugene - Seattle)

Local ISP

Description:

Mayday Service Provider

Description: OnStar, ATX, AAA, RESCU

Associated Element: Mayday Service

Media and Trans-Port

Description:

Metro

Description: Portland MPO

Associated Element: Metro Regional Data Warehouse

Multnomah County

Description:

Associated Element: Multnomah County TOC

Oregon DOT (ODOT)

Description:

Associated Element: Regional TM to TM Connections

Associated Element: TransPort TMOC (Traffic Mgmt and Emergency Mgmt)

Associated Element: TransPort TMOC Archived Data Management

Associated Element: TripCheck

Oregon State Police

Description:

Associated Element: Oregon State Police

Other Cities in Clackamas County

Description: E.g. Milwaukie, Wilsonville, Lake Oswego, Gladstone, Sandy, Oregon City, West Linn, Canby, Damascus.

Other Cities in Multnomah County

Description: E.g. Fairview, Troutdale, Wood Village, Corbett.

Other Cities in Washington County

Description: E.g. Hillsboro (?), Tigard, Forest Grove, Cornelius, Tualatin, Sherwood.

Port of Portland

Description: The Port manages the airport facility, water terminals in Portland, etc. for shipping.

Associated Element: Port of Portland Emergency Management Center

Associated Element: Port of Portland flight information system

Associated Element: Port of Portland PDX TMC

Portland State University

Description:

Associated Element: Portland State University

Public Media Organization

Description:

Regional Toll Authority

Description: To be determined who will operate this new entity.

Associated Element: Regional Toll Authority Customer Service Center

RTC

Description: Archived Data Manager

Associated Element: RTC Regional Data Warehouse

Associated Element: VASTREK Regional Website

Stakeholder

Transport Regional Consortium

Description: Partners: ODOT, Tri-Met, City of Portland, Counties, etc.

Traveling Public

Description:

Tri-Met

Description: Local Transit and Rail Authority.

Associated Element: LIFT/ATP Paratransit Dispatch Center

Associated Element: Ruby Junction Rail Operations Center

Associated Element: Tri-Met Central Dispatch & Operations

Associated Element: Tri-Met Customer Assistance

Associated Element: Tri-Met Enterprise Data Warehouse

Tri-Met IDP (Information Development & Publications)

Description: A department within Tri-Met that takes care of all publications, Kiosks, Mall Monitors, etc...

Users

Description:

Washington County

Description:

Associated Element: Washington County TMC

Washington State Highway Patrol

Description:

Washington State Patrol

Description:

Associated Element: Washington State Patrol

WSDOT

Description:

Associated Element: WSDOT Archived Data Management

Associated Element: WSDOT Emergency Management

Associated Element: WSDOT ISP

Associated Element: WSDOT Regional TMC and Archive Mgmt.

Inventory Report

2/5/2003 6:21:54PM



Element Inventory for Region Trans-Port Regional Architecture

Broadcast Media for Portland/Vancouver area

Status: Existing

Associated Stakeholder: Broadcast Media Companies

Mapped to Entity: Media

Project: Vancouver Regional Architecture

City of Beaverton TOC

Status: Existing

Associated Stakeholder: City of Beaverton

Mapped to Entity: Other TM

Mapped to Entity: Traffic Management

City of Camas TOC

Status: Planned

Associated Stakeholder: City of Camas

Mapped to Entity: Traffic Management

Project: Vancouver Regional Architecture

Mapped to Entity: Other TM

Project: Vancouver Regional Architecture

City of Gresham TOC

Status: Existing

Associated Stakeholder: City of Gresham

Mapped to Entity: Other TM

Mapped to Entity: Traffic Management

City of Portland TOC

Status: Existing

Associated Stakeholder: City of Portland

Mapped to Entity: Traffic Management

Project: Arterial Signal System

Mapped to Entity: Other TM

Project: Arterial Signal System

Mapped to Entity: Traveler

Project: Arterial Signal System

Mapped to Entity: Traveler

Project: ATIS Release 1

Mapped to Entity: Traffic Management

Project: ATIS Release 1

Mapped to Entity: Other TM

Project: ATIS Release 1

City of Vancouver TMC

Status: Planned

Associated Stakeholder: City of Vancouver

Mapped to Entity: Other TM

Project: Vancouver Regional Architecture

Mapped to Entity: Traffic Management

Project: Vancouver Regional Architecture

City of Wilsonville SMART

Status: Existing

Associated Stakeholder: City of Wilsonville

Mapped to Entity: Other TRM

Mapped to Entity: Transit Management

Clackamas County 911-EMC

Status: Existing

Associated Stakeholder: 911- Clackamas

Mapped to Entity: Emergency Management

Mapped to Entity: Other EM

Element Inventory for Region Trans-Port Regional Architecture

Clackamas County Maintenance and Construction Management Center

Status: Existing

Associated Stakeholder: Clackamas County

Mapped to Entity: Maintenance and Construction Management

Mapped to Entity: Other MCM

Clackamas County TMC

Status: Planned

Associated Stakeholder: Clackamas County

Mapped to Entity: Other TM

Mapped to Entity: Traffic Management

Clark County 911 - EMC

Status: Existing

Associated Stakeholder: 911 - Clark

Mapped to Entity: Other EM

Mapped to Entity: Emergency Management

Clark County TMC

Status: Planned

Associated Stakeholder: Clark County

Mapped to Entity: Traffic Management

Mapped to Entity: Other TM

Project: Vancouver Regional Architecture

Project: Vancouver Regional Architecture

CTTRANS Transit Management

Status: Existing

Associated Stakeholder: CTRAN

Mapped to Entity: Transit Management

Mapped to Entity: Other TRM

Project: Vancouver Regional Architecture

Project: Vancouver Regional Architecture

High Speed Rail (Eugene - Seattle)

Status: Planned

Associated Stakeholder: High Speed Rail Operator

Mapped to Entity: Wayside Equipment

Mapped to Entity: Rail Operations

LIFT/ATP Paratransit Dispatch Center

Status: Existing

Associated Stakeholder: Tri-Met

Mapped to Entity: Transit Management

Mapped to Entity: Other TRM

Mayday Service

Status: Existing

Associated Stakeholder: Mayday Service Provider

Mapped to Entity: Emergency Management

Mapped to Entity: Other EM

Metro Regional Data Warehouse

Status: Existing

Associated Stakeholder: Metro

Mapped to Entity: Other Archives

Mapped to Entity: Archived Data Management Subsystem

Project: Vancouver Regional Architecture

Project: Vancouver Regional Architecture

Element Inventory for Region Trans-Port Regional Architecture

Multnomah County 911-EMC

Status: Existing

Associated Stakeholder: 911 - Multnomah

Mapped to Entity: Other EM

Mapped to Entity: Emergency Management

Multnomah County TOC

Status: Existing

Associated Stakeholder: Multnomah County

Mapped to Entity: Other TM

Mapped to Entity: Traffic Management

Oregon State Police

Status: Existing

Associated Stakeholder: Oregon State Police

Mapped to Entity: Other EM

Mapped to Entity: Emergency Management

Other Cities in Clackamas TOC

Status: Planned

Associated Stakeholder: Clackamas County

Mapped to Entity: Traffic Management

Mapped to Entity: Other TM

Port of Portland Emergency Management Center

Status: Existing

Associated Stakeholder: Port of Portland

Mapped to Entity: Other EM

Mapped to Entity: Emergency Management

Port of Portland flight information system

Status: Existing

Associated Stakeholder: Port of Portland

Mapped to Entity: Multimodal Transportation Service
Provider

Port of Portland PDX TMC

Status: Existing

Associated Stakeholder: Port of Portland

Mapped to Entity: Other TM

Project: ATIS Release 1

Mapped to Entity: Traffic Management

Project: ATIS Release 1

Portland State University

Status: Existing

Associated Stakeholder: Portland State University

Mapped to Entity: Other Archives

Mapped to Entity: Archived Data Management Subsystem

Portland Street Car Operations Center

Status: Existing

Associated Stakeholder: City of Portland

Mapped to Entity: Transit Management

Mapped to Entity: Other TRM

Rail Operations (BNSF-UP)

Element Inventory for Region Trans-Port Regional Architecture

Status: Planned

Associated Stakeholder: BNSF-UP

Mapped to Entity: Rail Operations

Mapped to Entity: Wayside Equipment

Regional TM to TM Connections

Status: Planned

Associated Stakeholder: Oregon DOT (ODOT)

Mapped to Entity: Other TM

Mapped to Entity: Traffic Management

Regional Toll Authority Customer Service Center

Status: Planned

Associated Stakeholder: Regional Toll Authority

Mapped to Entity: Toll Administration

Mapped to Entity: Other Toll Administration

RTC Regional Data Warehouse

Status: Existing

Associated Stakeholder: RTC

Mapped to Entity: Archived Data Management Subsystem

Mapped to Entity: Other Archives

Ruby Junction Rail Operations Center

Status: Existing

Associated Stakeholder: Tri-Met

Mapped to Entity: Emergency Management

Mapped to Entity: Transit Management

Mapped to Entity: Other TRM

Mapped to Entity: Other EM

Mapped to Entity: Rail Operations

TransPort TMOC (Traffic Mgmt and Emergency Mgmt)

Status: Existing

Associated Stakeholder: Oregon DOT (ODOT)

Mapped to Entity: Emergency Management

Project: ATIS Release 1

Mapped to Entity: Traffic Management

Project: ATIS Release 1

Mapped to Entity: Other TM

Project: ATIS Release 1

Mapped to Entity: Other EM

Project: ATIS Release 1

Mapped to Entity: Emergency Management

Project: ATMS Release 2

Mapped to Entity: Other EM

Project: ATMS Release 2

Mapped to Entity: Other TM

Project: ATMS Release 2

Mapped to Entity: Traffic Management

Project: ATMS Release 2

TransPort TMOC Archived Data Management

Status: Planned

Associated Stakeholder: Oregon DOT (ODOT)

Mapped to Entity: Other Archives

Mapped to Entity: Archived Data Management Subsystem

Tri-Met Central Dispatch & Operations

Status: Existing

Associated Stakeholder: Tri-Met

Mapped to Entity: Transit Management

Project: ATIS Release 1

Element Inventory for Region Trans-Port Regional Architecture

Mapped to Entity: Other TRM

Project: ATIS Release 1

Mapped to Entity: Other EM

Project: ATIS Release 1

Mapped to Entity: Emergency Management

Project: ATIS Release 1

Tri-Met Customer Assistance

Status: Existing

Associated Stakeholder: Tri-Met

Mapped to Entity: Information Service Provider

Project: Tri-Met 5 Year Plan

Mapped to Entity: Other ISP

Project: Tri-Met 5 Year Plan

Tri-Met Enterprise Data Warehouse

Status: Existing

Associated Stakeholder: Tri-Met

Mapped to Entity: Archived Data Management Subsystem

Project: Tri-Met 5 Year Plan

Mapped to Entity: Other TRM

Project: Tri-Met 5 Year Plan

Mapped to Entity: Other Archives

Project: Tri-Met 5 Year Plan

Mapped to Entity: Transit Management

Project: Tri-Met 5 Year Plan

TripCheck

Status: Existing

Associated Stakeholder: Oregon DOT (ODOT)

Mapped to Entity: Information Service Provider

Project: ATMS Release 2

Mapped to Entity: Other ISP

Project: ATMS Release 2

Mapped to Entity: Information Service Provider

Project: Vancouver Regional Architecture

Mapped to Entity: Other ISP

Project: Vancouver Regional Architecture

VASTREK Regional Website

Status: Existing

Associated Stakeholder: RTC

Mapped to Entity: Information Service Provider

Project: Vancouver Regional Architecture

Mapped to Entity: Other ISP

Project: Vancouver Regional Architecture

Washington County 911-EMC

Status: Existing

Associated Stakeholder: 911 - Washington

Mapped to Entity: Emergency Management

Mapped to Entity: Other EM

Washington County TMC

Status: Planned

Associated Stakeholder: Washington County

Mapped to Entity: Traffic Management

Mapped to Entity: Other TM

Washington State Patrol

Status: Existing

Associated Stakeholder: Washington State Patrol

Mapped to Entity: Emergency Management

Mapped to Entity: Other EM

WSDOT Archived Data Management

Status: Planned

Associated Stakeholder: WSDOT

Mapped to Entity: Archived Data Management Subsystem

Mapped to Entity: Other Archives

Element Inventory for Region Trans-Port Regional Architecture

WSDOT Emergency Management

Status: Planned

Associated Stakeholder: WSDOT

Mapped to Entity: Emergency Management

Mapped to Entity: Other EM

WSDOT ISP

Status: Planned

Associated Stakeholder: WSDOT

Mapped to Entity: Information Service Provider

Mapped to Entity: Other ISP

WSDOT Regional TMC and Archive Mgmt.

Status: Planned

Associated Stakeholder: WSDOT

Mapped to Entity: Other TM

Mapped to Entity: Other Archives

Mapped to Entity: Traffic Management

Mapped to Entity: Archived Data Management Subsystem

Project: Vancouver Regional Architecture

Project: Vancouver Regional Architecture

Project: Vancouver Regional Architecture

Project: Vancouver Regional Architecture

