



Appendix M: REGIONAL ITS ARCHITECTURE FLOWS

CONTENT

Table M-1	Eugene-Springfield Regional ITS Architecture Flows (Contains customized architecture flow output from the Turbo Architecture database file.)
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Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
Central Lane Communications	emergency operations status	Central Lane Communications Personnel	Existing
Central Lane Communications	emergency response coordination	City of Coburg Emergency Operations Center (EOC)	Existing
Central Lane Communications	emergency response coordination	City of Eugene Emergency Operations Center (EOC)	Existing
Central Lane Communications	emergency response coordination	City of Springfield Emergency Operations Center (EOC)	Existing
Central Lane Communications	incident report	Eugene Fire and EMS Department	Existing
Central Lane Communications	incident response coordination	Eugene Fire and EMS Department	Existing
Central Lane Communications	incident report	Eugene Police Department	Existing
Central Lane Communications	incident response coordination	Eugene Police Department	Existing
Central Lane Communications	emergency response coordination	Lane County Emergency Operations Center (EOC)	Existing
Central Lane Communications	incident report	Lane County Sheriff Department	Existing
Central Lane Communications	incident response coordination	Lane County Sheriff Department	Existing
Central Lane Communications	emergency dispatch requests	Local Emergency Vehicles	Existing
Central Lane Communications	incident command information	Local Emergency Vehicles	Existing
Central Lane Communications	suggested route	Local Emergency Vehicles	Planned
Central Lane Communications	emergency response coordination	ODOT Emergency Operations Center (EOC)	Planned
Central Lane Communications	emergency operations request	ODOT Northwest TOC	Planned
Central Lane Communications	incident information	ODOT Northwest TOC	Planned
Central Lane Communications	incident report	ODOT Northwest TOC	Planned
Central Lane Communications	incident response coordination	ODOT Northwest TOC	Planned
Central Lane Communications	incident response status	ODOT Northwest TOC	Planned
Central Lane Communications	resource request	ODOT Northwest TOC	Planned
Central Lane Communications	emergency operations request	Oregon State Police	Existing
Central Lane Communications	incident information request	Oregon State Police	Existing
Central Lane Communications	incident report	Oregon State Police	Existing
Central Lane Communications	incident response coordination	Oregon State Police	Existing
Central Lane Communications	incident report	Other Local Emergency Management Agencies	Existing
Central Lane Communications	incident response coordination	Other Local Emergency Management Agencies	Existing
Central Lane Communications	incident report	Springfield Fire and Life Safety	Existing
Central Lane Communications	incident response coordination	Springfield Fire and Life Safety	Existing
Central Lane Communications	incident report	Springfield Police Department	Existing
Central Lane Communications	incident response coordination	Springfield Police Department	Existing
Central Lane Communications	incident information	Stadium Operations and Security (SOS)	Existing
Central Lane Communications	incident information request	Stadium Operations and Security (SOS)	Existing
Central Lane Communications	incident report	Stadium Operations and Security (SOS)	Existing
Central Lane Communications	incident response coordination	Stadium Operations and Security (SOS)	Existing
Central Lane Communications	incident response status	Stadium Operations and Security (SOS)	Existing
Central Lane Communications	emergency acknowledge	Vehicle	Planned
Central Lane Communications	emergency data request	Vehicle	Planned
City of Coburg	traffic information coordination	Lane County Public Works	Existing
City of Coburg Emergency Operations Center (EOC)	emergency response coordination	Central Lane Communications	Existing
City of Eugene Emergency Operations Center (EOC)	emergency response coordination	Central Lane Communications	Existing
City of Eugene Public Works	traffic operator data	City of Eugene Public Works Personnel	Planned
City of Eugene Public Works	roadway information system data	City of Eugene Public Works Roadside Equipment	Existing
City of Eugene Public Works	signal control data	City of Eugene Public Works Roadside Equipment	Existing
City of Eugene Public Works	speed monitoring control	City of Eugene Public Works Roadside Equipment	Existing
City of Eugene Public Works	traffic sensor control	City of Eugene Public Works Roadside Equipment	Existing
City of Eugene Public Works	video surveillance control	City of Eugene Public Works Roadside Equipment	Existing

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
City of Eugene Public Works	hri control data	City of Eugene Public Works_Roadside Equipment	Planned
City of Eugene Public Works	hri request	City of Eugene Public Works_Roadside Equipment	Planned
City of Eugene Public Works	traffic control coordination	City of Springfield Public Works	Planned
City of Eugene Public Works	traffic information coordination	City of Springfield Public Works	Planned
City of Eugene Public Works	roadway information system data	City of Springfield Public Works_Roadside Equipment	Planned
City of Eugene Public Works	signal control data	City of Springfield Public Works_Roadside Equipment	Planned
City of Eugene Public Works	traffic sensor control	City of Springfield Public Works_Roadside Equipment	Planned
City of Eugene Public Works	video surveillance control	City of Springfield Public Works_Roadside Equipment	Planned
City of Eugene Public Works	traffic information coordination	Lane Council of Governments Transportation	Planned
City of Eugene Public Works	traffic control coordination	Lane County Public Works	Planned
City of Eugene Public Works	traffic information coordination	Lane County Public Works	Planned
City of Eugene Public Works	road network conditions	Lane Transit District	Planned
City of Eugene Public Works	traffic control priority status	Lane Transit District	Planned
City of Eugene Public Works	transit demand management request	Lane Transit District	Planned
City of Eugene Public Works	road network conditions	Local Media	Planned
City of Eugene Public Works	traffic information coordination	ODOT Region 2/District 5	Existing
City of Eugene Public Works	field equipment status	ODOT Region 2/District 5	Planned
City of Eugene Public Works	incident information	ODOT Region 2/District 5	Planned
City of Eugene Public Works	maint and constr resource request	ODOT Region 2/District 5	Planned
City of Eugene Public Works	road network conditions	ODOT Region 2/District 5	Planned
City of Eugene Public Works	traffic control coordination	ODOT Region 2/District 5	Planned
City of Eugene Public Works	work plan feedback	ODOT Region 2/District 5	Planned
City of Eugene Public Works	roadway information system data	ODOT_Roadside Equipment	Planned
City of Eugene Public Works	signal control data	ODOT_Roadside Equipment	Planned
City of Eugene Public Works	video surveillance control	ODOT_Roadside Equipment	Planned
City of Eugene Public Works	traffic archive data	Regional Data Warehouse	Planned
City of Eugene Public Works	ISP coordination	TripCheck	Planned
City of Eugene Public Works	road network conditions	TripCheck	Planned
City of Eugene Public Works_Personnel	traffic operator inputs	City of Eugene Public Works	Planned
City of Eugene Public Works_Roadside Equipment	request for right-of-way	City of Eugene Public Works	Existing
City of Eugene Public Works_Roadside Equipment	roadway information system status	City of Eugene Public Works	Existing
City of Eugene Public Works_Roadside Equipment	signal control status	City of Eugene Public Works	Existing
City of Eugene Public Works_Roadside Equipment	speed monitoring information	City of Eugene Public Works	Existing
City of Eugene Public Works_Roadside Equipment	traffic flow	City of Eugene Public Works	Existing
City of Eugene Public Works_Roadside Equipment	traffic images	City of Eugene Public Works	Existing
City of Eugene Public Works_Roadside Equipment	reversible lane status	City of Eugene Public Works	Planned
City of Eugene Public Works_Roadside Equipment	vehicle probe data	City of Eugene Public Works	Planned
City of Eugene Public Works_Roadside Equipment	traffic flow	City of Springfield Public Works	Planned
City of Eugene Public Works_Roadside Equipment	traffic images	City of Springfield Public Works	Planned
City of Eugene Public Works_Roadside Equipment	traffic flow	ODOT Northwest TOC	Planned
City of Eugene Public Works_Roadside Equipment	traffic images	ODOT Northwest TOC	Planned
City of Eugene Public Works_Roadside Equipment	roadway information system status	ODOT Region 2/District 5	Existing
City of Eugene Public Works_Roadside Equipment	field device status	ODOT Region 2/District 5	Planned
City of Eugene Public Works_Roadside Equipment	reversible lane status	ODOT Region 2/District 5	Planned
City of Eugene Public Works_Roadside Equipment	traffic flow	ODOT Region 2/District 5	Planned
City of Eugene Public Works_Roadside Equipment	traffic images	ODOT Region 2/District 5	Planned
City of Eugene Public Works_Roadside Equipment	vehicle probe data	ODOT Region 2/District 5	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
City of Springfield Emergency Operations Center (EOC)	emergency response coordination	Central Lane Communications	Existing
City of Springfield Public Works	traffic information coordination	City of Coburg	Planned
City of Springfield Public Works	traffic information coordination	City of Eugene Public Works	Existing
City of Springfield Public Works	traffic control coordination	City of Eugene Public Works	Planned
City of Springfield Public Works	roadway information system data	City of Eugene Public Works_Roadside Equipment	Existing
City of Springfield Public Works	signal control data	City of Eugene Public Works_Roadside Equipment	Existing
City of Springfield Public Works	speed monitoring control	City of Eugene Public Works_Roadside Equipment	Existing
City of Springfield Public Works	traffic sensor control	City of Eugene Public Works_Roadside Equipment	Existing
City of Springfield Public Works	video surveillance control	City of Eugene Public Works_Roadside Equipment	Existing
City of Springfield Public Works	environmental sensors control	City of Eugene Public Works_Roadside Equipment	Planned
City of Springfield Public Works	freeway control data	City of Eugene Public Works_Roadside Equipment	Planned
City of Springfield Public Works	hri control data	City of Eugene Public Works_Roadside Equipment	Planned
City of Springfield Public Works	hri request	City of Eugene Public Works_Roadside Equipment	Planned
City of Springfield Public Works	traffic operator data	City of Springfield Public Works_Personnel	Existing
City of Springfield Public Works	roadway information system data	City of Springfield Public Works_Roadside Equipment	Existing
City of Springfield Public Works	signal control data	City of Springfield Public Works_Roadside Equipment	Existing
City of Springfield Public Works	traffic sensor control	City of Springfield Public Works_Roadside Equipment	Existing
City of Springfield Public Works	video surveillance control	City of Springfield Public Works_Roadside Equipment	Planned
City of Springfield Public Works	traffic information coordination	Lane Council of Governments Transportation	Existing
City of Springfield Public Works	traffic information coordination	Lane County Public Works	Existing
City of Springfield Public Works	traffic control coordination	Lane County Public Works	Planned
City of Springfield Public Works	road network conditions	Lane Transit District	Existing
City of Springfield Public Works	traffic control priority status	Lane Transit District	Planned
City of Springfield Public Works	transit demand management request	Lane Transit District	Planned
City of Springfield Public Works	road network conditions	Local Media	Planned
City of Springfield Public Works	maint and constr resource request	ODOT Region 2/District 5	Existing
City of Springfield Public Works	traffic control coordination	ODOT Region 2/District 5	Existing
City of Springfield Public Works	field equipment status	ODOT Region 2/District 5	Planned
City of Springfield Public Works	incident information	ODOT Region 2/District 5	Planned
City of Springfield Public Works	road network conditions	ODOT Region 2/District 5	Planned
City of Springfield Public Works	traffic information coordination	ODOT Region 2/District 5	Planned
City of Springfield Public Works	work plan feedback	ODOT Region 2/District 5	Planned
City of Springfield Public Works	traffic archive data	Regional Data Warehouse	Planned
City of Springfield Public Works_Personnel	traffic operator inputs	City of Springfield Public Works	Existing
City of Springfield Public Works_Roadside Equipment	traffic flow	City of Eugene Public Works	Planned
City of Springfield Public Works_Roadside Equipment	traffic images	City of Eugene Public Works	Planned
City of Springfield Public Works_Roadside Equipment	roadway information system status	City of Springfield Public Works	Existing
City of Springfield Public Works_Roadside Equipment	signal control status	City of Springfield Public Works	Existing
City of Springfield Public Works_Roadside Equipment	speed monitoring information	City of Springfield Public Works	Existing
City of Springfield Public Works_Roadside Equipment	traffic flow	City of Springfield Public Works	Existing
City of Springfield Public Works_Roadside Equipment	reversible lane status	City of Springfield Public Works	Planned
City of Springfield Public Works_Roadside Equipment	traffic images	City of Springfield Public Works	Planned
City of Springfield Public Works_Roadside Equipment	vehicle probe data	City of Springfield Public Works	Planned
Eugene Fire and EMS Department	incident report	Central Lane Communications	Existing
Eugene Fire and EMS Department	incident response coordination	Central Lane Communications	Existing
Eugene Fire and EMS Department	incident report	ODOT Northwest TOC	Planned
Eugene Fire and EMS Department	incident response coordination	ODOT Northwest TOC	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
Eugene Fire and EMS Department	incident report	Oregon State Police	Planned
Eugene Fire and EMS Department	incident response coordination	Oregon State Police	Planned
Eugene Fire and EMS Department	incident response coordination	Stadium Operations and Security (SOS)	Existing
Eugene Fire and EMS Department	incident report	Stadium Operations and Security (SOS)	Planned
Eugene Police Department	incident report	Central Lane Communications	Existing
Eugene Police Department	incident response coordination	Central Lane Communications	Existing
Eugene Police Department	incident report	ODOT Northwest TOC	Planned
Eugene Police Department	incident response coordination	ODOT Northwest TOC	Planned
Eugene Police Department	incident report	Oregon State Police	Planned
Eugene Police Department	incident response coordination	Oregon State Police	Planned
Eugene Police Department	incident response coordination	Stadium Operations and Security (SOS)	Existing
Eugene Police Department	incident report	Stadium Operations and Security (SOS)	Planned
Lane Council of Governments Transportation	traffic archive data	Regional Data Warehouse	Planned
Lane Council of Governments Transportation	traveler archive data	Regional Data Warehouse	Planned
Lane County Emergency Operations Center (EOC)	emergency response coordination	Central Lane Communications	Existing
Lane County Public Works	traffic information coordination	City of Coburg	Planned
Lane County Public Works	traffic information coordination	City of Eugene Public Works	Existing
Lane County Public Works	traffic control coordination	City of Eugene Public Works	Planned
Lane County Public Works	traffic information coordination	City of Springfield Public Works	Existing
Lane County Public Works	traffic control coordination	City of Springfield Public Works	Planned
Lane County Public Works	traffic operator data	Lane County Public Works Personnel	Existing
Lane County Public Works	signal control data	Lane County Public Works Roadside Equipment	Planned
Lane County Public Works	traffic archive data	Regional Data Warehouse	Planned
Lane County Public Works Personnel	traffic operator inputs	Lane County Public Works	Existing
Lane County Public Works Roadside Equipment	roadway information system status	Lane County Public Works	Planned
Lane County Public Works Roadside Equipment	signal control status	Lane County Public Works	Planned
Lane County Sheriff Department	incident report	Central Lane Communications	Existing
Lane County Sheriff Department	incident response coordination	Central Lane Communications	Existing
Lane County Sheriff Department	incident report	ODOT Northwest TOC	Planned
Lane County Sheriff Department	incident response coordination	ODOT Northwest TOC	Planned
Lane County Sheriff Department	incident report	Oregon State Police	Existing
Lane County Sheriff Department	incident response coordination	Oregon State Police	Existing
Lane Transit District	logged special vehicle route	City of Eugene Public Works	Planned
Lane Transit District	request for road network conditions	City of Eugene Public Works	Planned
Lane Transit District	road network probe information	City of Eugene Public Works	Planned
Lane Transit District	traffic control priority request	City of Eugene Public Works	Planned
Lane Transit District	transit demand management response	City of Eugene Public Works	Planned
Lane Transit District	transit system data	City of Eugene Public Works	Planned
Lane Transit District	logged special vehicle route	City of Springfield Public Works	Planned
Lane Transit District	request for road network conditions	City of Springfield Public Works	Planned
Lane Transit District	road network probe information	City of Springfield Public Works	Planned
Lane Transit District	traffic control priority request	City of Springfield Public Works	Planned
Lane Transit District	transit demand management response	City of Springfield Public Works	Planned
Lane Transit District	transit system data	City of Springfield Public Works	Planned
Lane Transit District	traffic control priority request	Lane County Public Works	Planned
Lane Transit District	secure area monitoring support	Lane Transit District Kiosks ¹	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
Lane Transit District	transit traveler information	Lane Transit District_Kiosks ¹	Planned
Lane Transit District	transit operations planning data	Lane Transit District_Personnel	Existing
Lane Transit District	transit operator display	Lane Transit District_Personnel	Planned
Lane Transit District	driver instructions	Lane Transit District_Vehicles	Planned
Lane Transit District	fare management information	Lane Transit District_Vehicles	Planned
Lane Transit District	request for vehicle measures	Lane Transit District_Vehicles	Planned
Lane Transit District	transit schedule information	Lane Transit District_Vehicles	Planned
Lane Transit District	transit traveler information	Lane Transit District_Vehicles	Planned
Lane Transit District	transit archive data	Regional Data Warehouse	Planned
Lane Transit District	traveler archive data	Regional Data Warehouse	Planned
Lane Transit District	logged special vehicle route	Stadium Operations and Security (SOS)	Planned
Lane Transit District	transit system data	Stadium Operations and Security (SOS)	Planned
Lane Transit District	transit and fare schedules	TripCheck	Existing
Lane Transit District	ISP coordination	TripCheck	Planned
Lane Transit District	traveler information	User Personal Computing Devices	Existing
Lane Transit District	personal transit information	User Personal Computing Devices	Planned
Lane Transit District_Kiosks	secure area surveillance data	Lane Transit District	Planned
Lane Transit District_Kiosks	transit fare payment requests	Lane Transit District	Planned
Lane Transit District_Kiosks	transit information user request	Lane Transit District	Planned
Lane Transit District_Personnel	transit fleet manager inputs	Lane Transit District	Existing
Lane Transit District_Personnel	transit operator management data	Lane Transit District	Planned
Lane Transit District_Vehicles	local signal priority request	City of Eugene Public Works_Roadside Equipment	Planned
Lane Transit District_Vehicles	vehicle probe data	City of Eugene Public Works_Roadside Equipment	Planned
Lane Transit District_Vehicles	local signal priority request	City of Springfield Public Works_Roadside Equipment	Planned
Lane Transit District_Vehicles	vehicle probe data	City of Springfield Public Works_Roadside Equipment	Planned
Lane Transit District_Vehicles	local signal priority request	Lane County Public Works_Roadside Equipment	Planned
Lane Transit District_Vehicles	emergency notification	Lane Transit District	Planned
Lane Transit District_Vehicles	fare and payment status	Lane Transit District	Planned
Lane Transit District_Vehicles	transit vehicle conditions	Lane Transit District	Planned
Lane Transit District_Vehicles	transit vehicle location data	Lane Transit District	Planned
Lane Transit District_Vehicles	transit vehicle passenger and use data	Lane Transit District	Planned
Lane Transit District_Vehicles	transit vehicle schedule performance	Lane Transit District	Planned
Lane Transit District_Vehicles	local signal priority request	ODOT_Roadside Equipment	Planned
Lane Transit District_Vehicles	vehicle probe data	ODOT_Roadside Equipment	Planned
Local Emergency Vehicles	emergency dispatch response	Central Lane Communications	Existing
Local Emergency Vehicles	incident status	Central Lane Communications	Existing
Local Emergency Vehicles	emergency vehicle tracking data	Central Lane Communications	Planned
Local Emergency Vehicles	local signal preemption request	City of Eugene Public Works_Roadside Equipment	Existing
Local Emergency Vehicles	local signal preemption request	City of Springfield Public Works_Roadside Equipment	Existing
Local Emergency Vehicles	local signal preemption request	Lane County Public Works_Roadside Equipment	Existing
Local Emergency Vehicles	local signal preemption request	ODOT_Roadside Equipment	Existing
Local Emergency Vehicles	emergency dispatch response	Oregon State Police	Existing
Local Emergency Vehicles	incident command request	Oregon State Police	Existing
Local Emergency Vehicles	incident status	Oregon State Police	Existing
Local Emergency Vehicles	emergency vehicle tracking data	Oregon State Police	Planned
Local Media	media information request	City of Eugene Public Works	Existing
Local Media	external reports	City of Eugene Public Works	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
Local Media	media information request	City of Springfield Public Works	Existing
Local Media	external reports	City of Springfield Public Works	Planned
Local Media	media information request	Lane County Public Works	Existing
Local Media	external reports	Lane County Public Works	Planned
Local Media	media information request	ODOT Northwest TOC	Existing
Local Media	external reports	ODOT Northwest TOC	Planned
Local Media	media information request	ODOT Region 2/District 5	Existing
Local Media	external reports	ODOT Region 2/District 5	Planned
Local Media	media information request	Stadium Operations and Security (SOS)	Existing
Local Media	external reports	Stadium Operations and Security (SOS)	Planned
ODOT Emergency Operations Center (EOC)	emergency response coordination	Central Lane Communications	Planned
ODOT Emergency Operations Center (EOC)	emergency response coordination	City of Eugene Emergency Operations Center (EOC)	Planned
ODOT Emergency Operations Center (EOC)	emergency response coordination	City of Springfield Emergency Operations Center (EOC)	Planned
ODOT Emergency Operations Center (EOC)	emergency response coordination	ODOT Northwest TOC	Existing
ODOT Emergency Operations Center (EOC)	emergency response coordination	Oregon State Police	Planned
ODOT Emergency Operations Center (EOC)	emergency response coordination	Stadium Operations and Security (SOS)	Planned
ODOT Northwest TOC	emergency response coordination	City of Coburg Emergency Operations Center (EOC)	Planned
ODOT Northwest TOC	emergency response coordination	City of Eugene Emergency Operations Center (EOC)	Planned
ODOT Northwest TOC	video surveillance control	City of Eugene Public Works_Roadside Equipment	Planned
ODOT Northwest TOC	emergency response coordination	City of Springfield Emergency Operations Center (EOC)	Planned
ODOT Northwest TOC	video surveillance control	City of Springfield Public Works_Roadside Equipment	Planned
ODOT Northwest TOC	incident report	Eugene Fire and EMS Department	Existing
ODOT Northwest TOC	incident response coordination	Eugene Fire and EMS Department	Existing
ODOT Northwest TOC	incident report	Eugene Police Department	Existing
ODOT Northwest TOC	incident response coordination	Eugene Police Department	Existing
ODOT Northwest TOC	incident report	Lane County Sheriff Department	Existing
ODOT Northwest TOC	incident response coordination	Lane County Sheriff Department	Existing
ODOT Northwest TOC	incident information for media	Local Media	Planned
ODOT Northwest TOC	road network conditions	Local Media	Planned
ODOT Northwest TOC	traffic operator data	ODOT Northwest TOC_Personnel	Existing
ODOT Northwest TOC	maint and constr resource request	ODOT Region 2/District 5	Existing
ODOT Northwest TOC	resource request	ODOT Region 2/District 5	Existing
ODOT Northwest TOC	road network conditions	ODOT Region 2/District 5	Existing
ODOT Northwest TOC	work plan feedback	ODOT Region 2/District 5	Existing
ODOT Northwest TOC	field equipment status	ODOT Region 2/District 5	Planned
ODOT Northwest TOC	incident information	ODOT Region 2/District 5	Planned
ODOT Northwest TOC	incident response status	ODOT Region 2/District 5	Planned
ODOT Northwest TOC	road network probe information	ODOT Region 2/District 5	Planned
ODOT Northwest TOC	emergency dispatch requests	ODOT Region 2/District 5 Incident Response Vehicles	Existing
ODOT Northwest TOC	incident command information	ODOT Region 2/District 5 Incident Response Vehicles	Existing
ODOT Northwest TOC	suggested route	ODOT Region 2/District 5 Incident Response Vehicles	Planned
ODOT Northwest TOC	roadway information system data	ODOT_Roadside Equipment	Existing
ODOT Northwest TOC	signal control data	ODOT_Roadside Equipment	Existing
ODOT Northwest TOC	traffic sensor control	ODOT_Roadside Equipment	Existing
ODOT Northwest TOC	video surveillance control	ODOT_Roadside Equipment	Existing
ODOT Northwest TOC	freeway control data	ODOT_Roadside Equipment	Planned
ODOT Northwest TOC	hri request (hri = highway rail intersection)	ODOT_Roadside Equipment	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
ODOT Northwest TOC	incident information	Oregon State Police	Existing
ODOT Northwest TOC	incident information request	Oregon State Police	Existing
ODOT Northwest TOC	incident report	Oregon State Police	Existing
ODOT Northwest TOC	incident response coordination	Oregon State Police	Existing
ODOT Northwest TOC	resource deployment status	Oregon State Police	Existing
ODOT Northwest TOC	road network conditions	Oregon State Police	Existing
ODOT Northwest TOC	emergency archive data	Regional Data Warehouse	Planned
ODOT Northwest TOC	incident report	Springfield Police Department	Planned
ODOT Northwest TOC	incident response coordination	Springfield Police Department	Planned
ODOT Northwest TOC	incident information	TripCheck	Existing
ODOT Northwest TOC	road network conditions	TripCheck	Existing
ODOT Northwest TOC_Personnel	traffic operator inputs	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	maint and constr work plans	City of Eugene Public Works	Existing
ODOT Region 2/District 5	work zone information	City of Eugene Public Works	Existing
ODOT Region 2/District 5	maint and constr resource response	City of Eugene Public Works	Planned
ODOT Region 2/District 5	roadway maintenance status	City of Eugene Public Works	Planned
ODOT Region 2/District 5	traffic control coordination	City of Eugene Public Works	Planned
ODOT Region 2/District 5	traffic information coordination	City of Eugene Public Works	Planned
ODOT Region 2/District 5	signal control data	City of Eugene Public Works_Roadside Equipment	Planned
ODOT Region 2/District 5	video surveillance control	City of Eugene Public Works_Roadside Equipment	Planned
ODOT Region 2/District 5	maint and constr work plans	City of Springfield Public Works	Existing
ODOT Region 2/District 5	traffic information coordination	City of Springfield Public Works	Existing
ODOT Region 2/District 5	work zone information	City of Springfield Public Works	Existing
ODOT Region 2/District 5	maint and constr resource response	City of Springfield Public Works	Planned
ODOT Region 2/District 5	roadway maintenance status	City of Springfield Public Works	Planned
ODOT Region 2/District 5	traffic control coordination	City of Springfield Public Works	Planned
ODOT Region 2/District 5	signal control data	City of Springfield Public Works_Roadside Equipment	Planned
ODOT Region 2/District 5	video surveillance control	City of Springfield Public Works_Roadside Equipment	Planned
ODOT Region 2/District 5	maint and constr work plans	Local Media	Planned
ODOT Region 2/District 5	roadway maintenance status	Local Media	Planned
ODOT Region 2/District 5	work zone information	Local Media	Planned
ODOT Region 2/District 5	incident information	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	incident information request	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	maint and constr work plans	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	resource deployment status	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	road network conditions	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	roadway maintenance status	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	work zone information	ODOT Northwest TOC	Existing
ODOT Region 2/District 5	maint and constr operations information presentation	ODOT Region 2/District 5 Incident Response_Personnel	Existing
ODOT Region 2/District 5	maint and constr dispatch information	ODOT Region 2/District 5 Maintenance and Construction Vehicles	Existing
ODOT Region 2/District 5	roadway information system data	ODOT_Roadside Equipment	Existing
ODOT Region 2/District 5	signal control data	ODOT_Roadside Equipment	Planned
ODOT Region 2/District 5	video surveillance control	ODOT_Roadside Equipment	Planned
ODOT Region 2/District 5	work zone warning device control	ODOT_Roadside Equipment	Planned
ODOT Region 2/District 5	emergency traffic control response	Oregon State Police	Planned
ODOT Region 2/District 5	incident information	Oregon State Police	Planned
ODOT Region 2/District 5	incident information request	Oregon State Police	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
ODOT Region 2/District 5	maint and constr resource response	Oregon State Police	Planned
ODOT Region 2/District 5	maint and constr work plans	Oregon State Police	Planned
ODOT Region 2/District 5	roadway maintenance status	Oregon State Police	Planned
ODOT Region 2/District 5	work zone information	Oregon State Police	Planned
ODOT Region 2/District 5	maint and constr archive data	Regional Data Warehouse	Planned
ODOT Region 2/District 5	traffic archive data	Regional Data Warehouse	Planned
ODOT Region 2/District 5 Incident Response Vehicles	emergency dispatch response	ODOT Northwest TOC	Existing
ODOT Region 2/District 5 Incident Response Vehicles	emergency vehicle tracking data	ODOT Northwest TOC	Existing
ODOT Region 2/District 5 Incident Response Vehicles	incident command request	ODOT Northwest TOC	Existing
ODOT Region 2/District 5 Incident Response Vehicles	incident status	ODOT Northwest TOC	Existing
ODOT Region 2/District 5 Maintenance & Construction Vehicles	maint and constr dispatch status	ODOT Region 2/District 5	Planned
ODOT Region 2/District 5 Maintenance & Construction Vehicles	maint and constr vehicle conditions	ODOT Region 2/District 5	Planned
ODOT Region 2/District 5 Maintenance & Construction Vehicles	vehicle signage data	Vehicle	Planned
ODOT_Roadside Equipment	freeway control status	City of Eugene Public Works	Planned
ODOT_Roadside Equipment	roadway information system status	City of Eugene Public Works	Planned
ODOT_Roadside Equipment	signal control status	City of Eugene Public Works	Planned
ODOT_Roadside Equipment	traffic flow	City of Eugene Public Works	Planned
ODOT_Roadside Equipment	traffic images	City of Eugene Public Works	Planned
ODOT_Roadside Equipment	freeway control status	City of Springfield Public Works	Planned
ODOT_Roadside Equipment	roadway information system status	City of Springfield Public Works	Planned
ODOT_Roadside Equipment	signal control status	City of Springfield Public Works	Planned
ODOT_Roadside Equipment	traffic flow	City of Springfield Public Works	Planned
ODOT_Roadside Equipment	traffic images	City of Springfield Public Works	Planned
ODOT_Roadside Equipment	roadway information system status	ODOT Northwest TOC	Existing
ODOT_Roadside Equipment	traffic flow	ODOT Northwest TOC	Existing
ODOT_Roadside Equipment	traffic images	ODOT Northwest TOC	Existing
ODOT_Roadside Equipment	freeway control status	ODOT Northwest TOC	Planned
ODOT_Roadside Equipment	signal control status	ODOT Northwest TOC	Planned
ODOT_Roadside Equipment	vehicle probe data	ODOT Northwest TOC	Planned
ODOT_Roadside Equipment	signal control status	ODOT Region 2/District 5	Existing
ODOT_Roadside Equipment	freeway control status	ODOT Region 2/District 5	Planned
ODOT_Roadside Equipment	request for right-of-way	ODOT Region 2/District 5	Planned
ODOT_Roadside Equipment	traffic flow	ODOT Region 2/District 5	Planned
ODOT_Roadside Equipment	traffic images	ODOT Region 2/District 5	Planned
ODOT_Roadside Equipment	vehicle probe data	ODOT Region 2/District 5	Planned
ODOT_Roadside Equipment	broadcast advisories	Vehicle	Planned
Oregon State Police	incident response coordination	Central Lane Communications	Existing
Oregon State Police	emergency operations status	Central Lane Communications	Planned
Oregon State Police	incident information	Central Lane Communications	Planned
Oregon State Police	incident report	Central Lane Communications	Planned
Oregon State Police	emergency response coordination	City of Coburg Emergency Operations Center (EOC)	Planned
Oregon State Police	emergency response coordination	City of Eugene Emergency Operations Center (EOC)	Planned
Oregon State Police	emergency response coordination	City of Springfield Emergency Operations Center (EOC)	Planned
Oregon State Police	emergency response coordination	Eugene Fire and EMS Department	Planned
Oregon State Police	emergency response coordination	Lane County Emergency Operations Center (EOC)	Existing
Oregon State Police	incident response coordination	Lane County Sheriff Department	Existing
Oregon State Police	incident report	Lane County Sheriff Department	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
Oregon State Police	emergency dispatch requests	Local Emergency Vehicles	Existing
Oregon State Police	incident command information	Local Emergency Vehicles	Existing
Oregon State Police	suggested route	Local Emergency Vehicles	Planned
Oregon State Police	emergency response coordination	ODOT Emergency Operations Center (EOC)	Planned
Oregon State Police	incident information	ODOT Northwest TOC	Existing
Oregon State Police	incident report	ODOT Northwest TOC	Existing
Oregon State Police	resource request	ODOT Northwest TOC	Existing
Oregon State Police	incident response coordination	ODOT Northwest TOC	Planned
Oregon State Police	incident response status	ODOT Northwest TOC	Planned
Oregon State Police	maint and constr resource request	ODOT Region 2/District 5	Planned
Oregon State Police	resource request	ODOT Region 2/District 5	Planned
Oregon State Police	emergency response coordination	Other Local Emergency Management Agencies	Existing
Oregon State Police	incident report	Other Local Emergency Management Agencies	Planned
Oregon State Police	incident response coordination	Other Local Emergency Management Agencies	Planned
Oregon State Police	incident report	Springfield Fire and Life Safety	Planned
Oregon State Police	incident response coordination	Springfield Fire and Life Safety	Planned
Oregon State Police	incident report	Springfield Police Department	Planned
Oregon State Police	incident response coordination	Springfield Police Department	Planned
Oregon State Police	emergency acknowledge	Vehicle	Planned
Oregon State Police	emergency data request	Vehicle	Planned
Other Local Emergency Management Agencies	incident report	Central Lane Communications	Existing
Other Local Emergency Management Agencies	incident response coordination	Central Lane Communications	Existing
Other Local Emergency Management Agencies	incident report	ODOT Northwest TOC	Planned
Other Local Emergency Management Agencies	incident response coordination	ODOT Northwest TOC	Planned
Other Local Emergency Management Agencies	incident report	Oregon State Police	Planned
Other Local Emergency Management Agencies	incident response coordination	Oregon State Police	Planned
Regional Data Warehouse	archive requests	City of Eugene Public Works	Planned
Regional Data Warehouse	archive status	City of Eugene Public Works	Planned
Regional Data Warehouse	archive requests	City of Springfield Public Works	Planned
Regional Data Warehouse	archive status	City of Springfield Public Works	Planned
Regional Data Warehouse	archive requests	Lane Council of Governments Transportation	Planned
Regional Data Warehouse	archive status	Lane Council of Governments Transportation	Planned
Regional Data Warehouse	archive requests	Lane County Public Works	Planned
Regional Data Warehouse	archive status	Lane County Public Works	Planned
Regional Data Warehouse	archive requests	Lane Transit District	Planned
Regional Data Warehouse	archive status	Lane Transit District	Planned
Regional Data Warehouse	archive requests	ODOT Region 2/District 5	Planned
Regional Data Warehouse	archive status	ODOT Region 2/District 5	Planned
Springfield Fire and Life Safety	incident report	Central Lane Communications	Existing
Springfield Fire and Life Safety	incident response coordination	Central Lane Communications	Existing
Springfield Fire and Life Safety	incident report	ODOT Northwest TOC	Planned
Springfield Fire and Life Safety	incident response coordination	ODOT Northwest TOC	Planned
Springfield Fire and Life Safety	incident report	Oregon State Police	Planned
Springfield Fire and Life Safety	incident response coordination	Oregon State Police	Planned
Springfield Police Department	incident report	Central Lane Communications	Existing
Springfield Police Department	incident response coordination	Central Lane Communications	Existing
Springfield Police Department	incident report	ODOT Northwest TOC	Planned

Table M-1. Eugene-Springfield Regional ITS Architecture Flows

SourceElement	FlowName	DestinationElement	FlowStatus
Springfield Police Department	incident response coordination	ODOT Northwest TOC	Planned
Springfield Police Department	incident report	Oregon State Police	Planned
Springfield Police Department	incident response coordination	Oregon State Police	Planned
Stadium Operations and Security (SOS)	emergency operations status	Central Lane Communications	Existing
Stadium Operations and Security (SOS)	incident information	Central Lane Communications	Existing
Stadium Operations and Security (SOS)	incident information request	Central Lane Communications	Existing
Stadium Operations and Security (SOS)	incident report	Central Lane Communications	Existing
Stadium Operations and Security (SOS)	incident report	Eugene Fire and EMS Department	Existing
Stadium Operations and Security (SOS)	incident response coordination	Eugene Fire and EMS Department	Existing
Stadium Operations and Security (SOS)	incident report	Eugene Police Department	Existing
Stadium Operations and Security (SOS)	incident response coordination	Eugene Police Department	Existing
Stadium Operations and Security (SOS)	request transit information	Lane Transit District	Planned
Stadium Operations and Security (SOS)	transit demand management request	Lane Transit District	Planned
Stadium Operations and Security (SOS)	transit parking coordination	Lane Transit District	Planned
Stadium Operations and Security (SOS)	road network conditions	ODOT Northwest TOC	Planned
Stadium Operations and Security (SOS)	emergency response coordination	Oregon State Police	Existing
TripCheck	ISP coordination	Lane Transit District	Existing
TripCheck	transit information request	Lane Transit District	Planned
TripCheck	incident information request	ODOT Northwest TOC	Existing
TripCheck	request for road network conditions	ODOT Northwest TOC	Existing
TripCheck	parking lot data request	Stadium Operations and Security (SOS)	Planned
TripCheck	traveler information	User Personal Computing Devices	Existing
TripCheck	broadcast information	User Personal Computing Devices	Planned
User Personal Computing Devices	transit information user request	Lane Transit District	Existing
User Personal Computing Devices	traveler profile	Lane Transit District	Existing
User Personal Computing Devices	traveler request	Lane Transit District	Existing
Vehicle ²	emergency notification	Central Lane Communications	Planned
Vehicle ²	vehicle location	ODOT Region 2/District 5 Incident Response Vehicles	Existing
Vehicle ²	vehicle location	ODOT Region 2/District 5 Maintenance and Construction Vehicles	Existing
Vehicle ²	emergency notification	Oregon State Police	Planned
Weather Services	weather information	City of Eugene Public Works	Existing
Weather Services	weather information	ODOT Northwest TOC	Existing
Weather Services	weather information	ODOT Region 2/District 5	Existing
Weather Services	weather information	TripCheck	Existing

¹ Kiosks can include other remote traveler support displays, such as real-time bus arrival monitors.

² Vehicle refers to personal vehicles. Flows represent emergency assistance calls received from vehicles.