

ITS PROJECTS

2014 Signal Timing Plan Update Safety Project

GIS # ITS213-01 Project # 313042 ITD Key # Key 13491

Local Highway Safety Improvement Program to improve traffic operations and safety by updating the signal timing plan and optimizing signal progression along the following corridors. Corridors to be timed may change in consideration of construction work and other factors.

Boise Towne Square Mall Area Franklin Rd, Eagle Rd / Maple Grove Rd Overland Rd, Cloverdale Rd / Overland Park
 Overland Rd, Eagle Rd / Overland Park Ustick Rd, Cloverdale Rd / Cole Rd

Programmed Expenditures		Project Costs		
Prof Services - DSN	\$228,000	2014	ACHD Share	\$17,000
Programmed	\$228,000		Plus Funding	\$211,000
			Project Total	\$228,000

2015 Signal Timing Plan Update Safety Project

GIS # ITS213-02 Project # ITD Key #

Local Highway Safety Improvement Program to improve traffic operations and safety by updating the signal timing plan and optimizing signal progression on the following corridors/areas. Corridors to be timed may change in consideration of construction work and other factors.

Curtis Rd, Chinden Blvd / Franklin Rd Federal Way, Protest Rd / Gowen Rd Orchard St, Chinden Blvd / Victory Rd
 State St, 28th St / Saxton Dr Parkcenter Blvd, Broadway Ave / Warm Springs Ave

Programmed Expenditures		Project Costs		
Prof Services - DSN	\$193,000	2015	ACHD Share	\$14,000
Programmed	\$193,000		Plus Funding	\$179,000
			Project Total	\$193,000

ACHD Communications and Equipment Upgrade

GIS # ITS208-13 Project # ITD Key #

Upgrade communications equipment in ACHD TMC and HUB (Fiber Termination Building or Cabinet) building locations and upgrade outdated CCTV cameras and install 10 new CCTV cameras at Ada County signalized intersections.

Programmed Expenditures		Project Costs		
Traffic Materials	\$200,000	2014	ACHD Share	\$200,000
Programmed	\$200,000		Plus Funding	\$0
			Project Total	\$200,000

Active Traffic Management Implementation

GIS # ITS211-06 Project # ITD Key #

Install trailblazer signs on major arterials that serve as freeway diversion or construction routes in order to guide traffic.

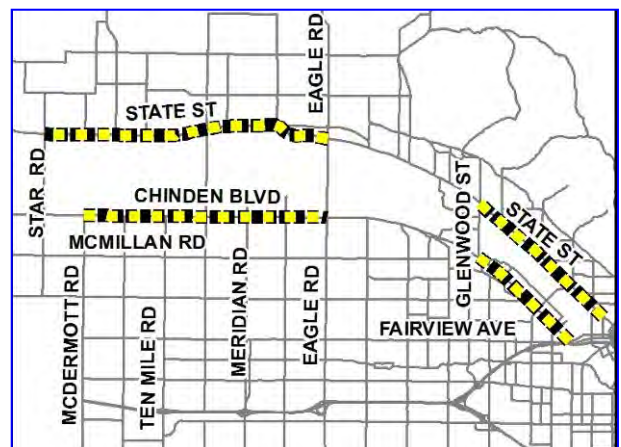
Programmed Expenditures		Project Costs		
Construction	\$0	2017	ACHD Share	\$200,000
Traffic Materials	\$200,000	2017	Plus Funding	\$0
Programmed	\$200,000		Project Total	\$200,000

Adaptive Traffic Signal Equipment Installation (State, Chinden)

GIS # ITS211-03 Project # ITD Key #

Upgrade 20 ACHD signalized intersections on State Street and Chinden Blvd to an adaptive traffic signal system in order to improve traffic operations.

Programmed Expenditures		Project Costs		
Construction	\$0	2016	ACHD Share	\$750,000
Traffic Materials	\$750,000	2016	Plus Funding	\$0
Programmed	\$750,000		Project Total	\$750,000



Traffic & Intelligent Transportation Systems Program

Arterial Dynamic Message Sign Installation

GIS # ITS208-03

Install 4 Arterial Dynamic Message Signs (ADMS) on major I-84 freeway detour routes within Ada County in order to alert road users of current roadway and traffic conditions.

Programmed Expenditures			Project Costs	
Construction	\$60,000	2015	ACHD Share	\$300,000
Traffic Materials	\$240,000	2015	Plus Funding	\$0
Programmed	\$300,000		Project Total	\$300,000

Bluetooth Congestion Management System Installation, Phase 1

GIS # ITS211-02

Install Bluetooth travel time equipment on 10 arterials within Ada County. Units will provide real time travel time information via the ACHD website and for future planning efforts.

Programmed Expenditures			Project Costs	
Traffic Materials	\$200,000	2014	ACHD Share	\$200,000
Programmed	\$200,000		Plus Funding	\$0
			Project Total	\$200,000

Bluetooth Congestion Management System Installation, Phase 2

GIS # ITS213-04

Install Bluetooth travel time equipment on 10 arterials within Ada County. Units will provide real time travel time information via the ACHD website and for future planning efforts.

Programmed Expenditures			Project Costs	
Traffic Materials	\$300,000	2016	ACHD Share	\$300,000
Programmed	\$300,000		Project Total	\$300,000

Bluetooth Congestion Management System Installation, Phase 3

GIS # ITS213-05

Install Bluetooth travel time equipment on 10 arterials within Ada County. Units will provide real time travel time information via the ACHD website and for future planning efforts.

Programmed Expenditures			Project Costs	
Traffic Materials	\$200,000	2018	ACHD Share	\$200,000
Programmed	\$200,000		Project Total	\$200,000

Bluetooth Congestion Management System Installation, Phase 4

GIS # ITS213-06

Install Bluetooth travel time equipment on 10 arterials within Ada County. Units will provide real time travel time information via the ACHD website and for future planning efforts.

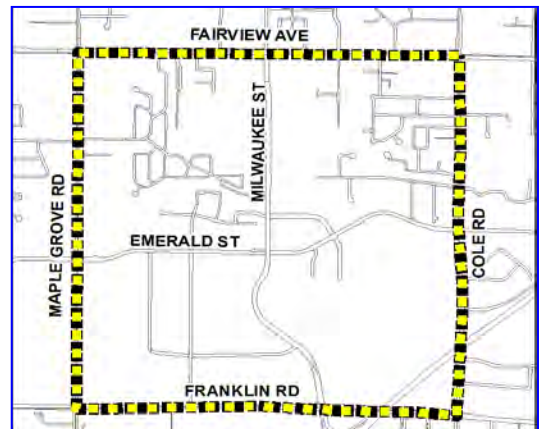
Programmed Expenditures			Project Costs	
Traffic Materials	\$200,000	PD	ACHD Share	\$200,000
Programmed	\$200,000		Project Total	\$200,000

Boise Towne Square Mall Adaptive Traffic Signal Installation (Boise)

GIS # ITS211-04 Project # ITD Key # C304

Upgrade 20 ACHD signalized intersections around the Boise Towne Square Mall to adaptive traffic signal system to improve traffic operations in the area under varying conditions.

Programmed Expenditures			Project Costs	
Prof Services - DSN	\$75,000	PD	ACHD Share	\$57,000
Traffic Materials	\$700,000	PD	Plus Funding	\$728,000
Programmed	\$775,000		Project Total	\$785,000



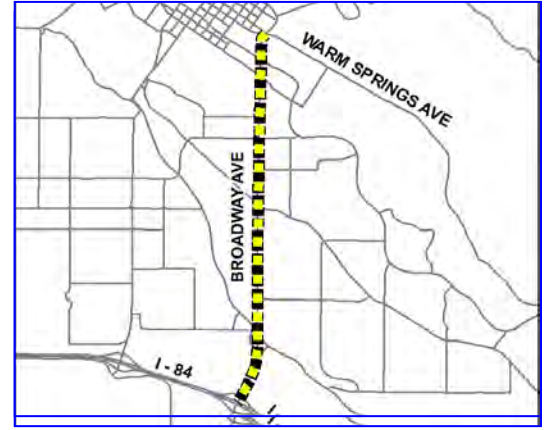
Traffic & Intelligent Transportation Systems Program

Broadway Ave Adaptive Traffic Signal Installation

GIS # ITS211-05

Upgrade 10 ACHD signalized intersections on Broadway Ave to an adaptive traffic signal system to improve traffic operations along the corridor under varying conditions.

Programmed Expenditures		Project Costs		
Construction	\$0	PD	ACHD Share	\$350,000
Traffic Materials	\$350,000	PD	Plus Funding	\$0
Programmed	\$350,000		Project Total	\$350,000



Cole/Overland Adaptive Traffic Signal Installation

GIS # ITS211-05

Upgrade 10 ACHD signalized intersections on Broadway Ave to an adaptive traffic signal system to improve traffic operations along the corridor under varying conditions.

Programmed Expenditures		Project Costs		
Traffic Materials	\$350,000	PD	ACHD Share	\$350,000
Programmed	\$350,000	PD	Plus Funding	\$0
			Project Total	\$350,000

SH-55/Eagle Rd Adaptive Traffic Signal Installation

GIS # ITS213-03

Upgrade 15 ACHD signalized intersections on SH-55/Eagle Rd between Overland Rd and Chinden Blvd to an adaptive traffic signal system to improve traffic operations along the corridor under varying conditions.

Programmed Expenditures		Project Costs		
Construction	\$0	PD	ACHD Share	\$550,000
Traffic Materials	\$550,000	PD	Plus Funding	\$0
Programmed	\$550,000		Plus Prior Costs	\$0
			Project Total	\$550,000

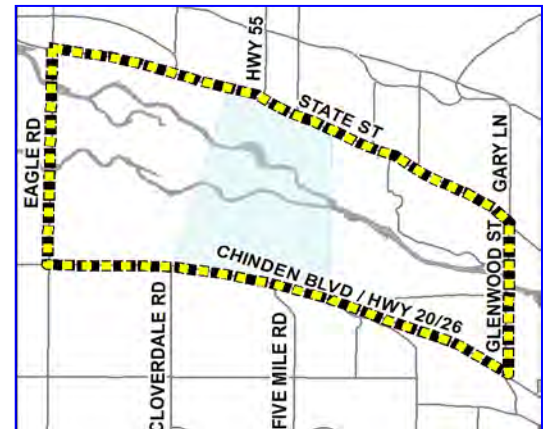


Three Cities Intelligent Transportation System Improvement

GIS # TRM211-04 Project # 703044.008 ITD Key # Key 8821

Improve, replace, and install traffic management equipment on the four roadways surrounding the Three Cities River Crossing study area: Chinden, Eagle, Glenwood, and State. Includes CCTV cameras, fiber cable, DMS, adaptive traffic

Programmed Expenditures		Project Costs		
Construction	\$900,000	2014	ACHD Share	\$122,000
Traffic Materials	\$130,000	2014	Plus Funding	\$3,218,000
Programmed	\$1,030,000		Plus Prior Costs	\$479,991
			Project Total	\$3,819,991



Wireless CCTV and Signal Interconnect, Phase 1

GIS # ITS210-09

Install wireless radio links to 20 intersections to interconnect signals and install remote CCTV camera links, in order to improve traffic operations management.

Programmed Expenditures		Project Costs		
Traffic Materials	\$150,000	2015	ACHD Share	\$150,000
Programmed	\$150,000		Project Total	\$150,000

Traffic & Intelligent Transportation Systems Program

Wireless CCTV and Signal Interconnect, Phase 2

GIS # ITS213-07

Install wireless radio links to 20 intersections to interconnect signals and install remote CCTV camera links, in order to improve traffic operations management.

Programmed Expenditures			Project Costs	
Traffic Materials	\$150,000	2017	ACHD Share	\$150,000
Programmed	\$150,000		Project Total	\$150,000

TRAFFIC SIGNAL UPGRADES

2014 Traffic Signals New & Upgraded

GIS # TSU214

Rebuild and upgrade selected traffic signals, including poles and mast arms, as well as detection and electrical systems.

Programmed Expenditures			Project Costs	
Traffic Materials	\$750,000	2014	ACHD Share	\$750,000
Programmed	\$750,000		Project Total	\$750,000

2015 Traffic Signals New and Upgraded

GIS # TSU215

Rebuild and upgrade selected traffic signals, including poles and mast arms, as well as detection and electrical systems.

Programmed Expenditures			Project Costs	
Traffic Materials	\$750,000	2015	ACHD Share	\$750,000
Programmed	\$750,000		Project Total	\$750,000

2016 Traffic Signals New and Upgraded

GIS # TSU216

Rebuild and upgrade selected traffic signals, including poles and mast arms, as well as detection and electrical systems.

Programmed Expenditures			Project Costs	
Construction	\$12,000	2016	ACHD Share	\$637,000
Traffic Materials	\$625,000	2016	Plus Funding	\$0
Programmed	\$637,000		Project Total	\$637,000

2017 Traffic Signals New and Upgraded

GIS # TSU217 Project # ITD Key #

Rebuild and upgrade selected traffic signals, including poles and mast arms, as well as detection and electrical systems.

Programmed Expenditures			Project Costs	
Construction	\$12,000	2017	ACHD Share	\$637,000
Traffic Materials	\$625,000	2017	Plus Funding	\$0
Programmed	\$637,000		Project Total	\$637,000

2018 Traffic Signals New and Upgraded

GIS # TSU218 Project # ITD Key #

Rebuild and upgrade selected traffic signals, including poles and mast arms, as well as detection and electrical systems.

Programmed Expenditures			Project Costs	
Construction	\$12,000	2018	ACHD Share	\$637,000
Traffic Materials	\$625,000	2018	Plus Funding	\$0
Programmed	\$637,000		Project Total	\$637,000

PD Traffic Signals New & Upgraded

GIS # TSUPD Project # ITD Key #

Rebuild and upgrade selected traffic signals, including poles and mast arms, as well as detection and electrical systems.

Programmed Expenditures			Project Costs	
Construction	\$24,000	PD	ACHD Share	\$1,524,000
Traffic Materials	\$1,500,000	PD	Plus Funding	\$0
Programmed	\$1,524,000		Project Total	\$1,524,000