

Traffic Program

ITS Projects

Active Traffic Management Implementation
Ada County

Priority: _____ of _____
 Adjusted 2015 Benefit/Cost Ratio: _____

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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		Plus PriorCosts	
			Project Total	\$200,000

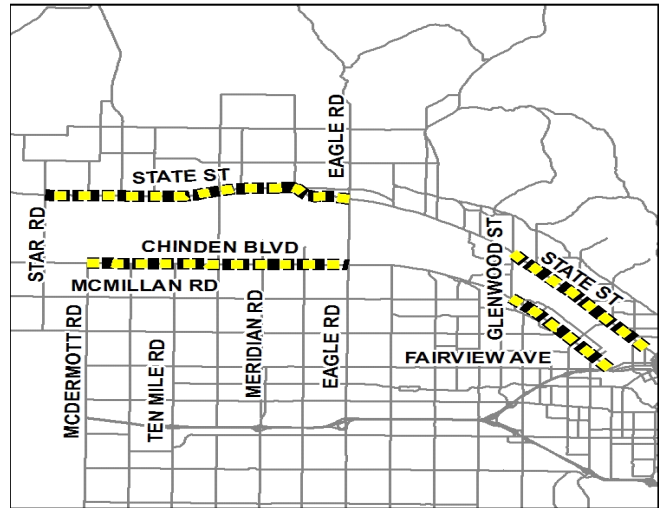
Adaptive Traffic Signal Equipment Installation
Boise / Eagle / Garden City

Priority: _____ of _____
 Adjusted 2015 Benefit/Cost Ratio: _____

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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		Plus PriorCosts	
			Project Total	\$750,000



Arterial Dynamic Message Sign Installation

Priority: of

Ada County

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Proj Mgr

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	
Prof Services - DSN	\$30,000	2015	ACHD Share	\$330,000
Construction	\$60,000	2015	Plus Funding	\$0
Traffic Materials	\$240,000	2015	Plus PriorCosts	
Programmed	\$330,000		Project Total	\$330,000

Bluetooth Congestion Management System Installation, Phase 1

Priority: of

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Proj Mgr

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

Programmed Expenditures			Project Costs	
Traffic Materials	\$200,000	2016	ACHD Share	\$200,000
Programmed	\$200,000		Plus Funding	\$0
			Plus PriorCosts	\$0
			Project Total	\$200,000

Bluetooth Congestion Management System Installation, Phase 2

Priority: of

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Proj Mgr

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 effort

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

Bluetooth Congestion Management System Installation, Phase 3

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr Tate

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		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$200,000

Bluetooth Congestion Management System Installation, Phase 4

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr Tate

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		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$200,000

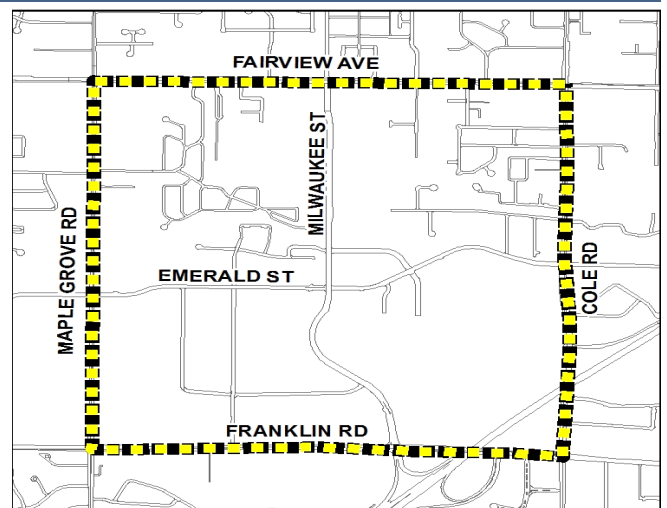
Boise Towne Square Mall Adaptive Traffic Signal Installation Boise

Priority: of ****TIP****
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr Tate

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	\$59,000
Traffic Materials	\$700,000	PD	Plus Funding	\$741,000
Programmed	\$775,000		Plus PriorCosts	
			Project Total	\$800,000



Broadway Ave Adaptive Traffic Signal Installation

Priority: of

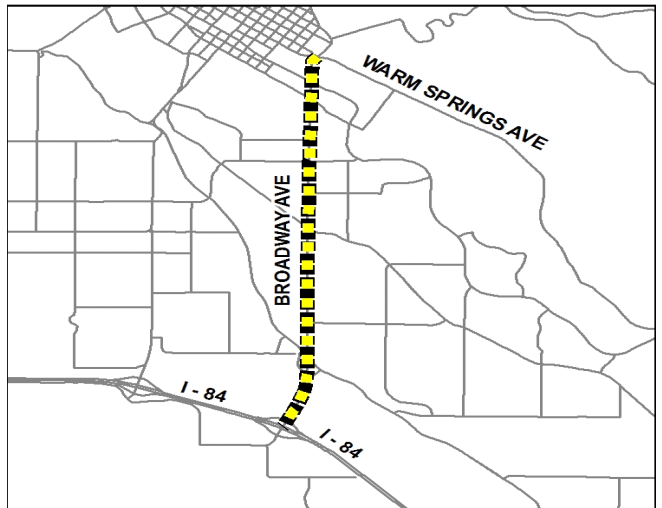
Boise

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr Tate

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		Plus PriorCosts	
			Project Total	\$350,000

Cherry Lane, Linder Rd / Meridian Rd - Lighting Improvements

Priority: of

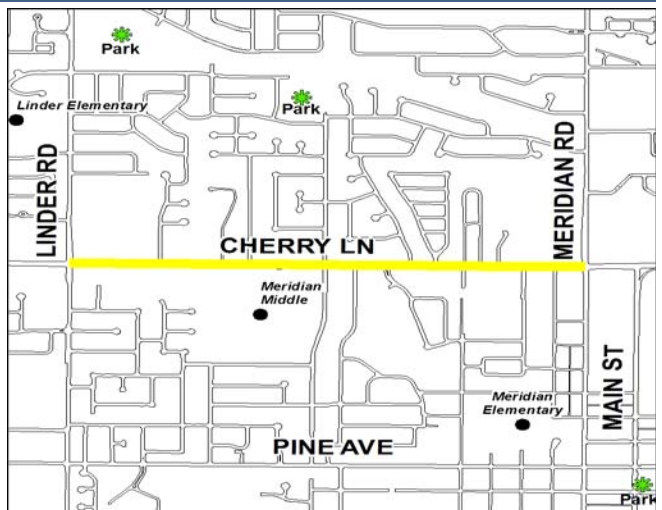
****TIP****

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Proj Mgr Cutler

This Local Highway Safety Improvement Program federally funded project will install continuous street lighting to improve driver safety and reduce nighttime accidents.



Programmed Expenditures			Project Costs	
Prof Services - DSN	\$74,000	2015	ACHD Share	\$18,000
Construction	\$27,000	2016	Plus Funding	\$496,000
Const Engineering	\$6,000	2016	Plus PriorCosts	
Programmed	\$107,000		Project Total	\$514,000

Cole/Overland Adaptive Traffic Signal Installation

Priority: of

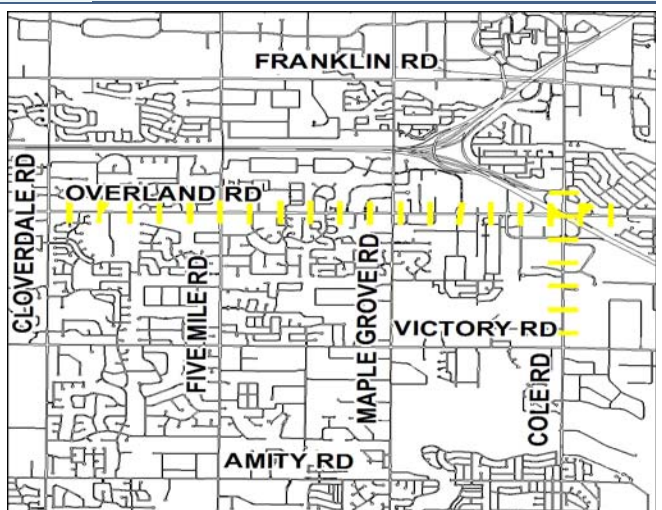
Boise

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr Tate

Upgrade 20 ACHD signalized intersection on Overland Road and Cole Road to adaptive traffic signal system.



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

SH-55/Eagle Rd Adaptive Traffic Signal Installation

Priority: of

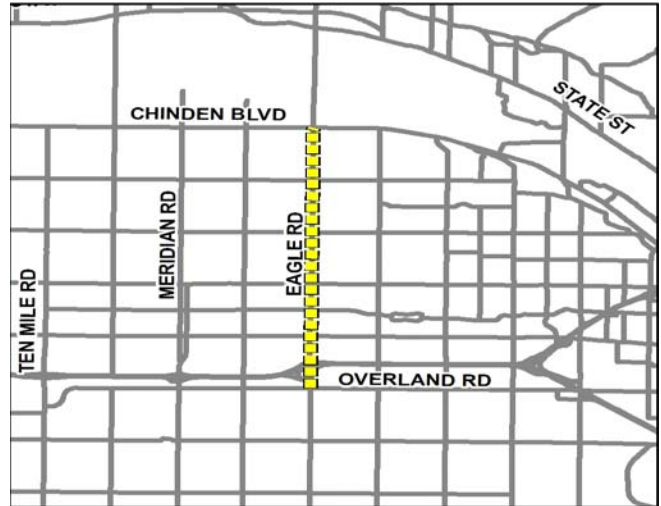
Boise / Meridian

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr

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 PriorCosts	
			Project Total	\$550,000

Signal Timing Plan Update Safety Project (2014)

Priority: of

****TIP****

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr

Improve traffic operations and safety by updating the signal timing plan and optimizing signal progression along the following corridors:
 Federal Way, Protest Rd/Gowen Rd; Franklin Rd, Maple Grove Rd/Eagle Rd;
 Overland Rd, Cloverdale Rd/Overland Park; State St, 28th St/Saxton Dr

- Federal Way, Protest Rd /Gowen Rd
- Franklin Rd, Maple Grove Rd / Eagle Rd
- Overland Rd, Cloverdale Rd / Overland Park
- Overland Rd, Meridian Rd / Eagle Rd
- State St, 28th St / Saxton Dr
- Ustick Rd, Cole Rd / Cloverdale Rd

Programmed Expenditures			Project Costs	
Prof Services - DSN	\$45,000	2015	ACHD Share	(\$166,000)
Programmed	\$45,000		Plus Funding	\$211,000
			Plus PriorCosts	\$185,000
			Project Total	\$230,000

Signal Timing Plan Update Safety Project (2015)

Priority: of

****TIP****

Adjusted 2015 Benefit/Cost Ratio:

Boise

GIS # Prj # ITD Key #

Est Source Other Proj Mgr

Improve traffic operations and safety by updating the signal timing plan and optimizing signal progression along the following corridors:

- Parkcenter Blvd, Broadway Ave / Warm Springs Ave
- Orchard St, Chinden Blvd / Victory Rd
- Curtis Rd, Chinden Blvd / Franklin Rd
- Boise Towne Square Mall Area

Programmed Expenditures			Project Costs	
Prof Services - DSN	\$192,000	2015	ACHD Share	\$14,000
Programmed	\$192,000		Plus Funding	\$178,000
			Plus PriorCosts	
			Project Total	\$192,000

Wireless CCTV and Signal Interconnect, Phase 1

Priority: of

Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr

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		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$150,000

Wireless CCTV and Signal Interconnect, Phase2

Priority: of

Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr

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		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$150,000

Traffic Signal Upgrades

Traffic Signals New & Upgraded PD

Priority: of

Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Other Proj Mgr

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

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

Traffic Signals New and Upgraded 2015

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$750,000

Traffic Signals New and Upgraded 2016

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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

Programmed Expenditures			Project Costs	
Traffic Materials	\$668,000	2016	ACHD Share	\$668,000
Programmed	\$668,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$668,000

Traffic Signals New and Upgraded 2017

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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	2017	ACHD Share	\$750,000
Programmed	\$750,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$750,000

Traffic Signals New and Upgraded 2018

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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	2018	ACHD Share	\$750,000
Programmed	\$750,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$750,000

Traffic Signals New and Upgraded 2019
Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Other Proj Mgr

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

Programmed Expenditures			Project Costs	
Construction	\$750,000	2019	ACHD Share	\$750,000
Programmed	\$750,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$750,000