

Traffic Program

ITS Projects

Active Traffic Management Implementation (2017)
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

Install/update ITS equipment on major arterials to improve operational efficiency, enhance safety and ease congestion during incidents and construction events.

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

Active Traffic Management Implementation (2018)

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

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

Install/update ITS equipment on major arterials to improve operational efficiency, enhance safety and ease congestion during incidents and construction events.

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

Active Traffic Management Implementation (2019)Priority: _____ of _____
Adjusted 2015 Benefit/Cost Ratio: _____GIS # Prj # ITD Key # Est Source Proj Mgr

Install/update ITS equipment on major arterials to improve operational efficiency, enhance safety and ease congestion during incidents and construction events.

Programmed Expenditures			Project Costs	
Traffic Materials	\$200,000	2019	ACHD Share	\$200,000
Programmed	\$200,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$200,000

**Arterial Dynamic Message Sign Installation (2021)
Boise / Meridian / Eagle / Garden City**Priority: _____ of _____
Adjusted 2015 Benefit/Cost Ratio: _____GIS # Prj # ITD Key # Est Source Proj Mgr

Install arterial DMS signs on major commuter routes such as Chindn Blvd, State St and Fairview Ave to provide incident, construction and travel time information to drivers.

Programmed Expenditures			Project Costs	
Traffic Materials	\$320,000	2021	ACHD Share	\$320,000
Programmed	\$320,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$320,000

**Bluetooth Congestion Management System Installation, Phase 2
Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star**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	\$125,000	2017	ACHD Share	\$125,000
Programmed	\$125,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$125,000

Boise Towne Square Mall Active Traffic Management

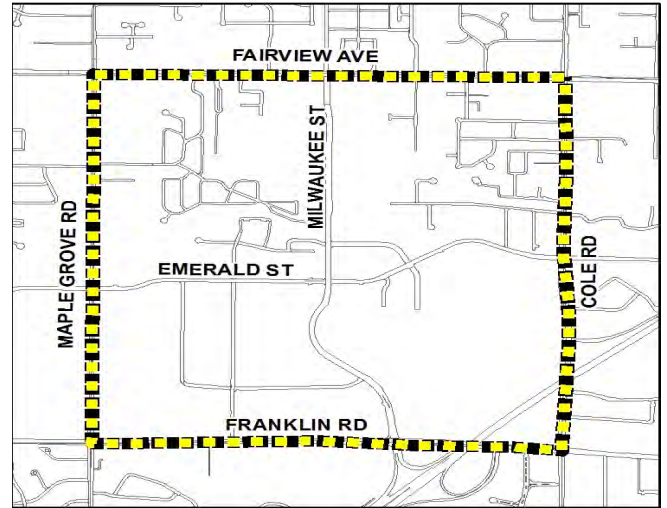
Priority: _____ of _____
Adjusted 2015 Benefit/Cost Ratio: _____

Boise

GIS # Prj # ITD Key #

Est Source Proj Mgr

Install/update ITS equipment around the Boise Towne Square Mall to improve operational efficiency, enhance safety and ease congestion during incidents, holiday shopping and construction events.



Programmed Expenditures			Project Costs	
Traffic Materials	\$200,000	2020	ACHD Share	\$200,000
Programmed	\$200,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$200,000

Broadway Ave Traffic Signal Improvements

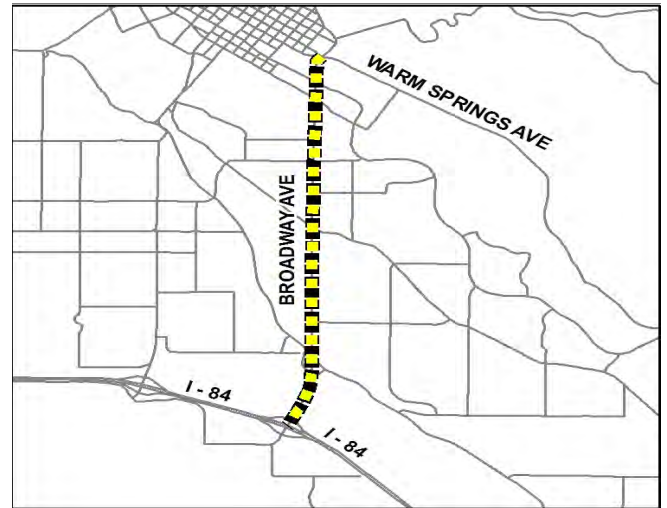
Priority: _____ of _____
Adjusted 2015 Benefit/Cost Ratio: _____

Boise

GIS # Prj # ITD Key #

Est Source Proj Mgr

Upgrade 10 ACHD signalized intersections on Broadway Ave with new traffic controllers and evaluate new technology such as adaptive signals or performance measures to improve traffic flow.



Programmed Expenditures			Project Costs	
Traffic Materials	\$225,000	2019	ACHD Share	\$225,000
Programmed	\$225,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$225,000

CCTV Camera Upgrade

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

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

GIS # Prj # ITD Key #

Est Source Proj Mgr

Replace existing ACHD closed caption cameras with new High Definition (HD) cameras.

Programmed Expenditures			Project Costs	
Traffic Materials	\$120,000	2021	ACHD Share	\$120,000
Programmed	\$120,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$120,000

Cole Rd, Spectrum St / Century Way, Medians

Boise

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

GIS # Prj # ITD Key #

Est Source Proj Mgr

Federal aid project to install raised concrete median to replace existing temporary median on Cole Rd, Spectrum St / Century Way. The raised concrete median will better delineate the median and left turn pockets.



Programmed Expenditures			Project Costs	
Construction	\$12,000	2017	ACHD Share	\$12,000
Const Engineering	\$5,000	2017	Plus Funding	\$175,000
Programmed	\$17,000		Plus PriorCosts	
			Project Total	\$187,000

Cole Rd/Overland Rd Traffic Signal Improvements

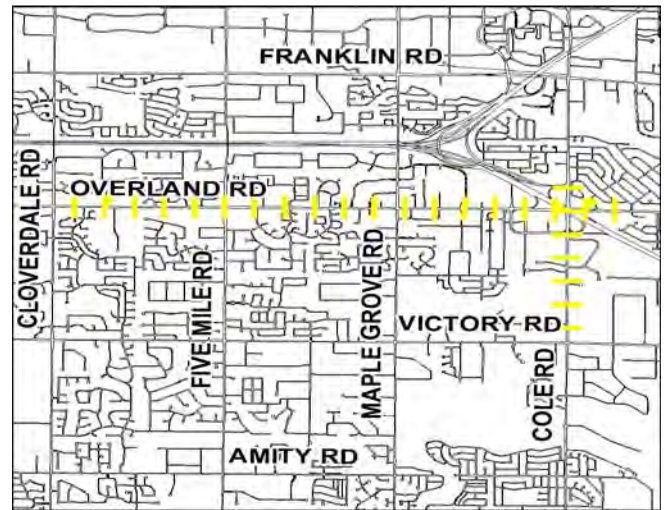
Boise

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Proj Mgr

Upgrade 20 ACHD signalized intersection on Overland Road and Cole Road with new traffic controllers and evaluate new technology such as adaptive signals or performance measure technologies to improve traffic flow.



Programmed Expenditures			Project Costs	
Traffic Materials	\$350,000	2018	ACHD Share	\$350,000
Programmed	\$350,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$350,000

Eagle Rd Traffic Signal Improvements

Boise / Meridian

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #

Est Source Proj Mgr

Upgrade 14 signalized intersections on/near Eagle Rd to use new Advanced Traffic Signal Controllers (ATC) performance measures to improve traffic flow. Project is 80% funded by ITD.



Programmed Expenditures			Project Costs	
Prof Services - DSN	\$15,000	2018	ACHD Share	\$30,000
Construction	\$60,000	2018	Plus Funding	\$460,000
Traffic Materials	\$415,000	2018	Plus PriorCosts	
Programmed	\$490,000		Project Total	\$490,000

Fiber Optic Cable Network Update (2020)

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

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # ITS216-04 Prj # ITD Key #

Est Source Other Proj Mgr Joe Tate

Replace existing ACHD fiber or add additional fiber in existing conduit to improve operation of the ACHD network.

Programmed Expenditures			Project Costs	
Traffic Materials	\$100,000	2020	ACHD Share	\$100,000
Programmed	\$100,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$100,000

Fiber Optic Cable Network Update (2021)

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

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # ITS216-05 Prj # ITD Key #

Est Source Other Proj Mgr Joe Tate

Replace existing ACHD fiber or add additional fiber in existing conduit to improve operation of the ACHD network.

Programmed Expenditures			Project Costs	
Traffic Materials	\$100,000	2021	ACHD Share	\$100,000
Programmed	\$100,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$100,000

**Three Cities Intelligent Transportation System Improvement
Boise / Eagle / Garden City**

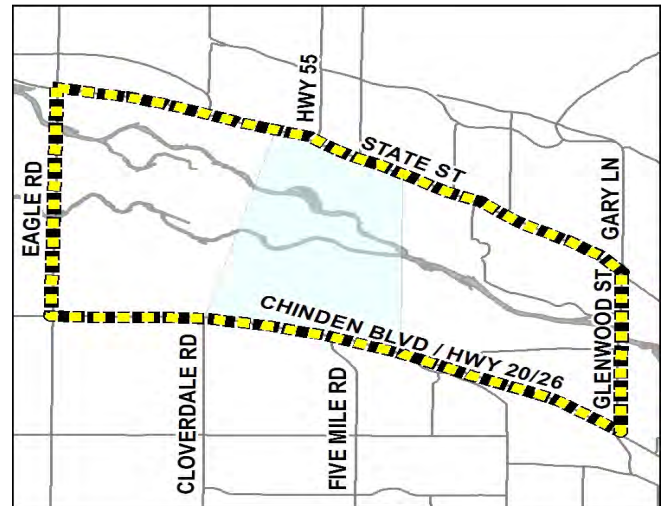
Priority: of ****TIP****
Adjusted 2015 Benefit/Cost Ratio:

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

Est Source Concept Proj Mgr Tate

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 control, and video displays.

Programmed Expenditures			Project Costs	
Prof Services - DSN	\$232,000	2017	ACHD Share	\$232,000
Programmed	\$232,000		Plus Funding	\$0
			Plus PriorCosts	\$1,478,873
			Project Total	\$1,710,873



Wireless CCTV and Signal Interconnect, Phase 2
Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Proj Mgr

Install wireless radio links to 10 intersections to interconnect signals and install remote CCTV camera links, in order to improve traffic operations management.

Programmed Expenditures			Project Costs	
Traffic Materials	\$75,000	2017	ACHD Share	\$75,000
Programmed	\$75,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$75,000

Traffic Signal Upgrades

Traffic Signals New and Upgraded (2017)

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source 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	\$300,000	2017	ACHD Share	\$300,000
Programmed	\$300,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

Traffic Signals New and Upgraded (2018)

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source 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	\$300,000	2018	ACHD Share	\$300,000
Programmed	\$300,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

Traffic Signals New and Upgraded (2019)

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
Est Source 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	\$300,000	2019	ACHD Share	\$300,000
Programmed	\$300,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

Traffic Signals New and Upgraded (2020)

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
Est Source 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	\$300,000	2020	ACHD Share	\$300,000
Programmed	\$300,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

Traffic Signals New and Upgraded (2021)

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
Est Source 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	\$300,000	2021	ACHD Share	\$300,000
Programmed	\$300,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

Traffic Signals New and Upgraded (PD)

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source 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	\$600,000	PD	ACHD Share	\$600,000
Programmed	\$600,000		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$600,000

Safety Projects

Black Cat Rd and UPRR Crossing Improvements Meridian

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Proj Mgr

Add warning lights and crossing gates at the crossing of Black Cat Road and the Union Pacific railroad (DOT #819338C) in Kuna. Project to be design by the Idaho Transportation Department in coordination with ACHD.

Programmed Expenditures			Project Costs	
Construction	\$20,000	2018	ACHD Share	\$20,000
Programmed	\$20,000		Plus Funding	\$405,000
			Plus PriorCosts	
			Project Total	\$425,000



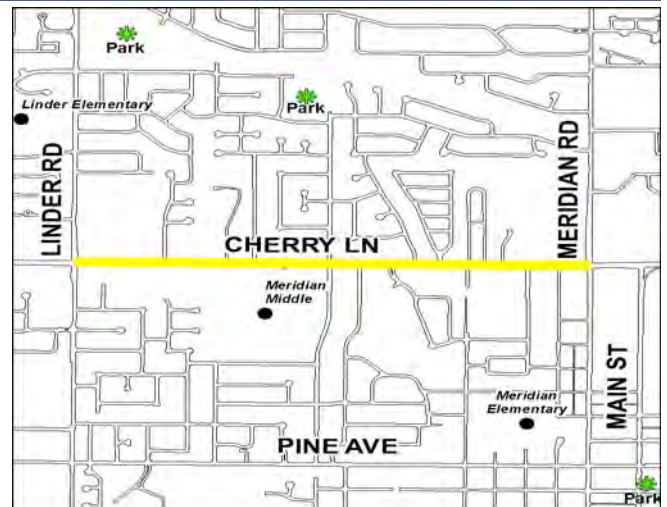
Cherry Ln, Linder Rd / Meridian Rd Lighting Improvements Meridian

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

GIS # Prj # ITD Key #
 Est Source Proj Mgr

Federal aid safety project to install continuous street lighting to improve visibility and reduce nighttime crashes.

Programmed Expenditures			Project Costs	
Construction	\$27,000	2017	ACHD Share	\$29,500
Const Engineering	\$3,000	2017	Plus Funding	\$407,000
Programmed	\$30,000		Plus PriorCosts	
			Project Total	\$436,500



**Linder Rd and UPRR Crossing Improvements
Meridian**

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

GIS # Prj # ITD Key #
Est Source Proj Mgr

Add warning lights and crossing gates at the crossing of Linder Rd and the Union Pacific railroad in Meridian. Project to be design by the Idaho Transportation Department in coordination with ACHD.



Programmed Expenditures			Project Costs	
Construction	\$0	2020	ACHD Share	\$0
Programmed	\$0		Plus Funding	\$525,000
			Plus PriorCosts	
			Project Total	\$525,000

**Miscellaneous Traffic Safety Pedestrian Projects
Boise**

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
Est Source Proj Mgr

Install enhanced pedestrian crossings and/or other traffic control devises at identified potential locations to improve pedestrian crossing safety.

- State St & 34th St
- 36th St & Anderson St
- Fairview Ave & Allumbaugh St
- Fairview Ave & Raymond St
- Broadway Ave & Iowa St

Programmed Expenditures			Project Costs	
Construction	\$50,000	2017	ACHD Share	\$130,000
Traffic Materials	\$80,000	2017	Plus Funding	\$0
Programmed	\$130,000		Plus PriorCosts	
			Project Total	\$130,000

**Overland Rd and Vista Ave Street Lighting
Boise**

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

GIS # Prj # ITD Key #
Est Source Proj Mgr

Federal aid safety project to install street lighting on north and east legs of the Vista Ave and Overland Rd intersection to improve visibility and reduce nighttime crashes.



Programmed Expenditures			Project Costs	
Construction	\$9,000	2017	ACHD Share	\$9,200
Programmed	\$9,000		Plus Funding	\$100,000
			Plus PriorCosts	
			Project Total	\$109,200

**State St, 16th St / 23rd St Lighting Improvements
Boise**

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

GIS # Prj # ITD Key #

Est Source Engineer Proj Mgr

Federal aid safety project to install continuous street lighting to improve visibility and reduce nighttime crashes.



Programmed Expenditures			Project Costs	
Prof Services - DSN	\$67,000	2017	ACHD Share	\$26,000
Construction	\$18,000	2018	Plus Funding	\$334,000
Const Engineering	\$3,000	2018	Plus PriorCosts	
Programmed	\$88,000		Project Total	\$360,000