Traffic Program

ITS Projects

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

 GIS #
 ITS211-06
 Prj #
 ITD Key #

 Est Source
 Other
 Proj Mgr
 Ashby

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

Programme	d Expenditures	
Traffic Materials	\$200,000	2017
Programmed	\$200,000	

Project Costs			
ACHD Share \$200,00			
Plus Funding	\$0		
Plus PriorCosts			
Project Total	\$200,000		

Active Traffic Management Implementation (2018)

Priority: of Adjusted 2015 Benefit/Cost Ratio:

Priority:

Adjusted 2015 Benefit/Cost Ratio:

of

 GIS # ITS215-06
 Prj # ITD Key #

 Est Source
 Other
 Proj Mgr
 Tate

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

Programmed Expenditures			
Traffic Materials	\$200,000	2018	
Programmed	\$200,000		

Project Costs			
ACHD Share	\$200,000		
Plus Funding	\$0		
Plus PriorCosts			
Project Total	\$200,000		

	_				5 · ·	-f
Active Traffic N	lanagement In	nplemen	ntation (2019)		Priority: Adjusted 2015 Benefit,	of Cost Patio:
GIS # ITS215-07	Prj #		ITD Key #		Aujusteu 2013 Benenit	/COSt Natio.
Est Source	Other		<i>j Mgr</i> Martin			
			erials to improve o gincidents and cor	perational efficiency, nstruction events.		
Program	ned Expenditures		Project (Costs		
Traffic Materials	\$200,000	2019	ACHD Share	\$200,000		
Programmed	\$200,000	1	Plus Funding	\$0		
			Plus PriorCosts			
			Project Total	\$200,000		
Arterial Dynam	ir Message Sig	n Install	ation (2021)		Priority:	of
Boise / Meridia					Adjusted 2015 Benefit,	/Cost Ratio:
GIS # ITS208-09	Prj #		ITD Key #			
		Pro	<i>j Mgr</i> Martin	1		
	-	commut	er routes such as (Chindn Blvd, State St time information to		
Install arterial DN and Fairview Ave drivers.	IS signs on major to provide incide	commut	er routes such as (cruction and travel	time information to		
Install arterial DN and Fairview Ave drivers. Program	IS signs on major to provide incide	commut ent, const	er routes such as or ruction and travel	time information to Costs		
Install arterial DN and Fairview Ave drivers. Program Traffic Materials	IS signs on major to provide incide	commut ent, const	er routes such as (cruction and travel	Costs \$320,000		
Install arterial DN and Fairview Ave drivers. Program Traffic Materials	IS signs on major to provide incide ned Expenditures \$320,000	commut ent, const	Project Of ACHD Share Plus Funding	time information to Costs		
Install arterial DIV and Fairview Ave drivers.	IS signs on major to provide incide ned Expenditures \$320,000	commut ent, const	Project (Costs \$320,000		
Install arterial DN and Fairview Ave drivers. Program Traffic Materials	IS signs on major to provide incide ned Expenditures \$320,000	commut ent, const	Project ACHD Share Plus Funding Plus PriorCosts	Costs \$320,000 \$0		
nstall arterial DN and Fairview Ave drivers. Programma Traffic Materials Programmed Bluetooth Cong	IS signs on major to provide incide ned Expenditures \$320,000 \$320,000	2021	Project (ACHD Share Plus Funding Plus PriorCosts Project Total	Costs \$320,000 \$0 \$320,000	Priority:	of
nstall arterial DN and Fairview Ave drivers. Programmed Programmed Bluetooth Cong Ada County / B	ned Expenditures \$320,000 \$320,000	2021 ement S Meridian	Project ACHD Share Plus Funding Plus PriorCosts Project Total ystem Installation (Eagle / Garde	Costs \$320,000 \$0 \$320,000	Priority: Adjusted 2015 Benefit,	
Programs Traffic Materials Programmed Bluetooth Cong Ada County / B GIS # ITS213-04	ned Expenditures \$320,000 \$320,000 \$720,000	2021 ement S Meridian	Project ACHD Share Plus Funding Plus PriorCosts Project Total ystem Installation / Eagle / Garde	Costs \$320,000 \$0 \$320,000	,	
Programmed Bluetooth Cong Ada County / B GIS # ITS213-04 Est Source	IS signs on major to provide incide med Expenditures \$320,000 \$320,000	2021 ement S Meridian	Project ACHD Share Plus Funding Plus PriorCosts Project Total ystem Installation (Costs \$320,000 \$0 \$320,000 con, Phase 2 con City / Star	,	
Programmed Bluetooth Cong Ada County / B GIS # ITS213-04 Est Source install Bluetooth row will provide real t	ned Expenditures \$320,000 \$320,000 \$320,000 Gestion Managoise / Kuna / N Prj # Other travel time equipime travel time i	ement S Aeridian Proment on	Project (ACHD Share Plus Funding Plus PriorCosts Project Total Pstem Installation / Eagle / Garde ITD Key # Homan 10 arterials within	Costs \$320,000 \$0 \$320,000	,	
Programs Programs Programs Programs Programmed Bluetooth Cong Ada County / B GIS # ITS213-04 Est Source Install Bluetooth will provide real to website and for full and the set of	ned Expenditures \$320,000 \$320,000 \$320,000 Gestion Managoise / Kuna / N Prj # Other travel time equipime travel time i	ement S Aeridian Proment on	Project ACHD Share Plus Funding Plus PriorCosts Project Total ystem Installation / Eagle / Garde ITD Key # ij Mgr Homar 10 arterials within on via the ACHD	Costs \$320,000 \$0 \$320,000 on, Phase 2 In City / Star	,	
Programmed Bluetooth Congada County / B GIS # ITS213-04 Est Source nstall Bluetooth website and for fu	ned Expenditures \$320,000 \$320,000 \$320,000 \$0ise / Kuna / N Prj # Other travel time equipime travel time i	2021 ement S Meridian Programment on information fort	Project (ACHD Share Plus Funding Plus PriorCosts Project Total Pstem Installation / Eagle / Garde ITD Key # Homan 10 arterials within	Costs \$320,000 \$0 \$320,000 on, Phase 2 In City / Star	,	
Programmed Bluetooth Congada County / B GIS # ITS213-04 Est Source Install Bluetooth will provide real twebsite and for further than the state of	ned Expenditures \$320,000 \$320,000 \$320,000 \$0ise / Kuna / N Prj # Other travel time equip ime travel time i	2021 ement S Meridian Programment on information fort	Project ACHD Share Plus Funding Plus PriorCosts Project Total ystem Installation / Eagle / Garde ITD Key # In Mar Homan 10 arterials within on via the ACHD	Costs \$320,000 \$0 \$320,000 Con, Phase 2 Con City / Star Costs Ada County. Units	,	
Programs Traffic Materials Programmed Bluetooth Congada County / B GIS # ITS213-04 Est Source Install Bluetooth will provide real twebsite and for full	ned Expenditures \$320,000 \$320,000 \$320,000 \$100 A A A A A A A A A A A A A A A A A A	2021 ement S Meridian Programment on information fort	Project (ACHD Share Plus Funding Plus PriorCosts Project Total Pstem Installation (Fagle / Garde ITD Key # If Mgr Homan 10 arterials within on via the ACHD Project (ACHD Share	Costs \$320,000 \$0 \$320,000 con, Phase 2 con City / Star Ada County. Units Costs \$125,000	,	

Boise Towne Square Mall Active Traffic Management

Boise

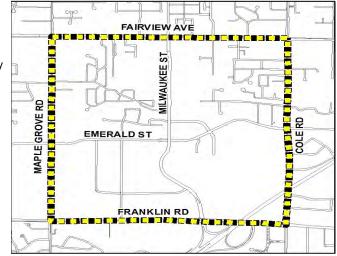
 GIS #
 ITS211-04
 Prj #
 ITD Key #

 Est Source
 Other
 Proj Mgr
 Martin

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				
Traffic Materials	\$200,000	2020		
Programmed \$200,000				

Project Costs		
ACHD Share	\$200,000	
Plus Funding	\$0	
Plus PriorCosts		
Project Total	\$200,000	



Priority:

Adjusted 2015 Benefit/Cost Ratio:

Broadway Ave Traffic Signal Improvements Boise

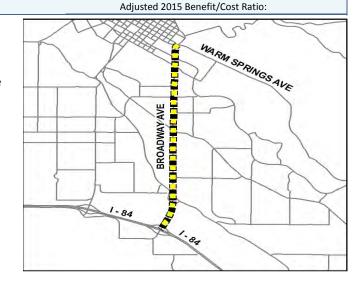
 GIS #
 ITS211-05
 Prj #
 ITD Key #

 Est Source
 Other
 Proj Mgr
 Martin

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		
Traffic Materials	\$225,000	2019
Programmed	\$225,000	

_					
	Project Costs				
	ACHD Share	\$225,000			
	Plus Funding	\$0			
	Plus PriorCosts				
	Project Total	\$225,000			



Priority:

Adjusted 2015 Benefit/Cost Ratio:

Priority:

of

CCTV Camera Upgrade Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star

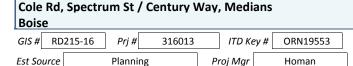
 GIS #
 ITS216-03
 Prj #
 ITD Key #

 Est Source
 Other
 Proj Mgr
 Tate

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

Programmed Expenditures				
Traffic Materials	\$120,000	2021		
Programmed \$120,000				

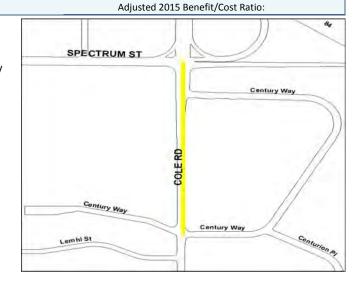
Project Costs			
ACHD Share	\$120,000		
Plus Funding	\$0		
Plus PriorCosts			
Project Total	\$120,000		



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		
Construction	\$12,000	2017
Const Engineering	\$5,000	2017
Programmed	\$17,000	

Project Costs	
ACHD Share	\$12,000
Plus Funding	\$175,000
Plus PriorCosts	
Project Total	\$187,000



Priority:

TIP

Cole Rd/Overland Rd Traffic Signal Improvements Boise

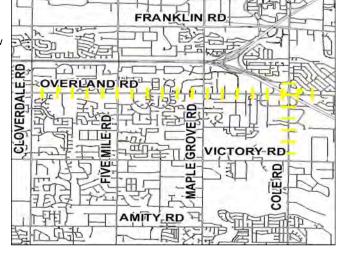
 GIS #
 ITS213-08
 Prj #
 ITD Key #

 Est Source
 Other
 Proj Mgr
 Ashby

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		
Traffic Materials	\$350,000	2018
Programmed	\$350,000	

Project Costs		
ACHD Share	\$350,000	
Plus Funding	\$0	
Plus PriorCosts		
Project Total	\$350,000	



Priority:

Priority:

Adjusted 2015 Benefit/Cost Ratio:

of

Eagle Rd Traffic Signal Improvements Boise / Meridian

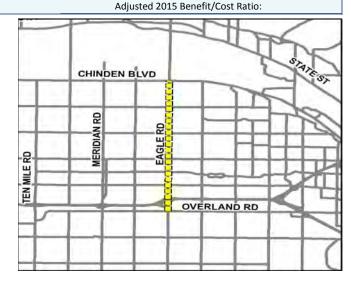
 GIS #
 ITS215-05
 Prj #
 ITD Key #

 Est Source
 Other
 Proj Mgr
 Tate

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		
Prof Services - DSN	\$15,000	2018
Construction	\$60,000	2018
Traffic Materials	\$415,000	2018
Programmed \$490,000		

Project Costs		
ACHD Share	\$30,000	
Plus Funding	\$460,000	
Plus PriorCosts		
Project Total	\$490,000	



Fiber Optic Cable Network Update (2020)

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

 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

 Traffic Materials
 \$100,000
 2020

 Programmed
 \$100,000

Project Costs	
ACHD Share	\$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:

Priority:

Adjusted 2015 Benefit/Cost Ratio:

GIS# ITS	216-05 Prj	#	ITD Key #	
Est Source Other		her Pr	oj Mgr	Joe Tate

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

Programmed Expenditures		
Traffic Materials	\$100,000	2021
Programmed	\$100.000	

Project Costs	
ACHD Share	\$100,000
Plus Funding	\$0
Plus PriorCosts	
Project Total	\$100,000

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

 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

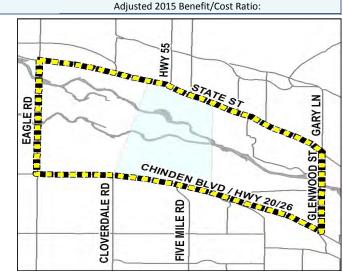
 Programmed Expenditures

 Prof Services - DSN
 \$232,000
 2017

 Programmed
 \$232,000

traffic control, and video displays.

Project Costs	
ACHD Share \$232,00	
Plus Funding	\$0
Plus PriorCosts	\$1,478,873
Project Total	\$1,710,873



Priority:

Priority: Wireless CCTV and Signal Interconnect, Phase 2 Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star Adjusted 2015 Benefit/Cost Ratio: 317023 GIS # ITS213-07 ITD Key # Prj # Est Source Other Proj Mgr McCarthy 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 \$75,000 2017 ACHD Share 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 # TSU217	
Est Source Other Proj Mgr Martin	
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 # TSU218 Prj # ITD Key #	
Est Source Other Proj Mgr Martin	

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

Programmed Expenditures		Project Costs			
Traffic Mater	rials	\$300,000	2018	ACHD Share	\$300,000
Programme	d	\$300,000		Plus Funding	\$0
				Plus PriorCosts	
				Project Total	\$300,000

Tueffie Cianala N	lave and the	.d.d /20	110)		Priority: of
Traffic Signals N	iew and Upgra	ided (20	119)		Adjusted 2015 Benefit/Cost Ratio:
GIS # TSU219	Prj #		ITD Key #		
Est Source Other Proj Mgr Martin					
Rebuild and upgra as detection and e			s, including poles a	and mast arms,	, as well
	1				
Programm Construction	ed Expenditures	2010	Project		
Programmed	\$300,000 \$300,000	2019	ACHD Share	\$300,000	
. rogrammou	4300,000		Plus Funding Plus PriorCosts	\$0	
			Project Total	\$300,000	
Traffic Signals N	lew and Upgra	ided (20)20)		Priority: of
					Adjusted 2015 Benefit/Cost Ratio:
GIS# TSU220	Prj #		ITD Key #		
Est Source	Other	Pro	oj Mgr Martir	١	
as detection and e	lectrical system	3.			
Programm	ed 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 N	lew and Upgra	ded (20	21)		Priority: of
					Adjusted 2015 Benefit/Cost Ratio:
GIS# TSU221	Prj #		ITD Key #		
Est Source	Other	Pro	oj Mgr Martir	1	
Rebuild and upgra as detection and e			s, including poles a	and mast arms,	, as well
Programm	ned Expenditures		Project	Costs	1

\$300,000

\$300,000

2021

ACHD Share

Plus Funding
Plus PriorCosts

Project Total

Traffic Materials

Programmed

\$300,000

\$300,000

Traffic Signals New and Upgraded (PD)

Priority:

Adjusted 2015 Benefit/Cost Ratio:

TSUPD GIS#

Est Source

Prj#

ITD Key #

Other

Proj Mgr

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

Programmed Expenditures			
Traffic Materials	\$600,000	PD	
Programmed	\$600,000		

Project Costs		
ACHD Share	\$600,000	
Plus Funding	\$0	
Plus PriorCosts		
Project Total	\$600,000	

Martin

Safety Projects

Black Cat Rd and UPRR Crossing Improvements Meridian

GIS # RD216-09

Est Source

Prj# Other ITD Key #

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		
Construction	\$20,000	2018
Programmed	\$20,000	

Project Costs				
ACHD Share	\$20,000			
Plus Funding	\$405,000			
Plus PriorCosts				
Project Total	\$425,000			

Bevins



Priority:

Adjusted 2015 Benefit/Cost Ratio:

Cherry Ln, Linder Rd / Meridian Rd Lighting Improvements Meridian

GIS # MIS214-01

Prj # 815001.014

ITD Key # C315

Proj Mgr

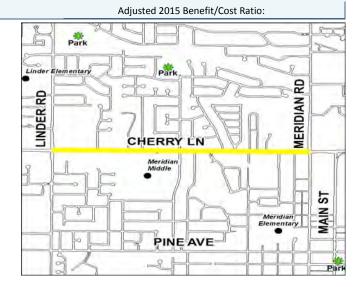
Est Source Engineer

and reduce nighttime crashes.

Cutler Federal aid safety project to install continuous street lighting to improve visibility

Programmed	l Expenditures	
Construction	\$27,000	2017
Const Engineering	\$3,000	2017
Programmed	\$30,000	

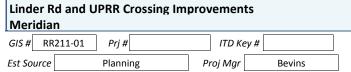
Project Costs			
ACHD Share	\$29,500		
Plus Funding	\$407,000		
Plus PriorCosts			
Project Total	\$436,500		



Priority:

of

TIP



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



Priority:

Adjusted 2015 Benefit/Cost Ratio:

of

Priority:

TIP

Miscellaneous Traffic Safety Pedestrian Projects
Boise

 GIS #
 TS216
 Prj #
 316039
 ITD Key #

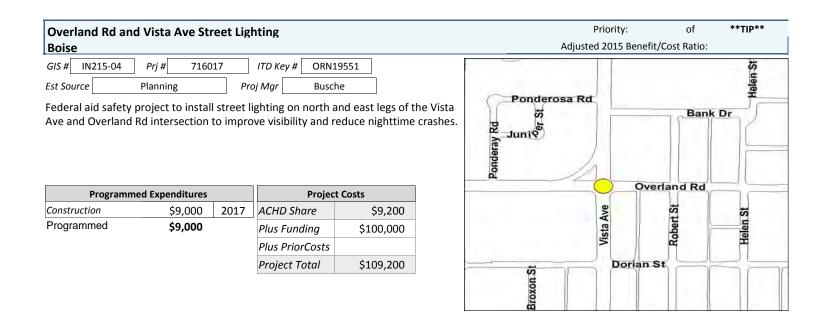
 Est Source
 Other
 Proj Mgr
 Oyen

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			
Construction	\$50,000	2017	
Traffic Materials	\$80,000	2017	
Programmed	\$130,000		

Project Costs		
ACHD Share	\$130,000	
Plus Funding	\$0	
Plus PriorCosts		
Project Total	\$130,000	



State St, 16th St / 23rd St Lighting Improvements	Priority:	of
Boise	Adjusted 2015 Benefit/Co.	st Ratio:
GIS # MIS216-02		
Est Source Engineer Proj Mgr Calderon	343	

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

Programmed Expenditures			
Prof Services - DSN	\$67,000	2017	A
Construction	\$18,000	2018	F
Const Engineering	\$3,000	2018	F
Programmed	\$88,000		Ė

Project Costs		
ACHD Share	\$26,000	
Plus Funding	\$334,000	
Plus PriorCosts		
Project Total	\$360,000	



TIP