

## Traffic Program

### ITS Projects

#### Active Traffic Management Implementation (2018)

Priority: \_\_\_\_\_ of \_\_\_\_\_  
Adjusted 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	
Construction	\$82,000	2018	ACHD Share	\$122,000
Traffic Materials	\$490,000	2018	Plus Funding	\$450,000
Programmed	<b>\$572,000</b>		Plus PriorCosts	
			Project Total	\$572,000

#### Active Traffic Management Implementation (2019)

Priority: \_\_\_\_\_ of \_\_\_\_\_  
Adjusted 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	2019	ACHD Share	\$200,000
Programmed	<b>\$200,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$200,000

**Arterial Dynamic Message Sign Installation (2021)**  
**Boise / Meridian / Eagle / Garden City**

Priority: of  
 Adjusted 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	<b>\$320,000</b>		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 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	2018	ACHD Share	\$125,000
Programmed	<b>\$125,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$125,000

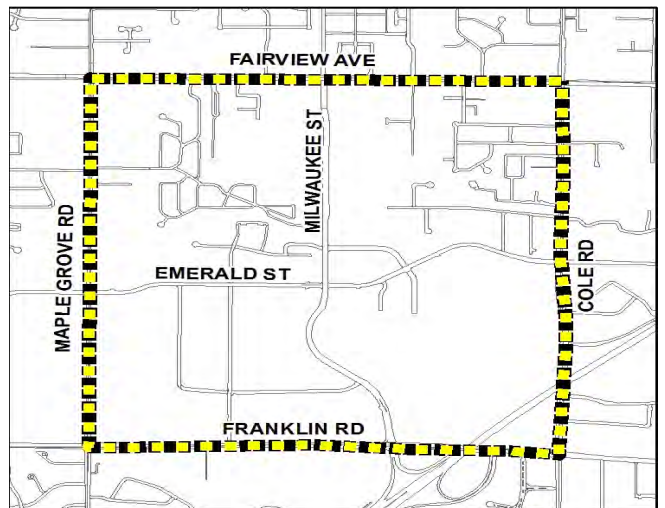
**Boise Towne Square Mall Active Traffic Management**  
**Boise**

Priority: of  
 Adjusted Benefit/Cost Ratio:

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	<b>\$200,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$200,000

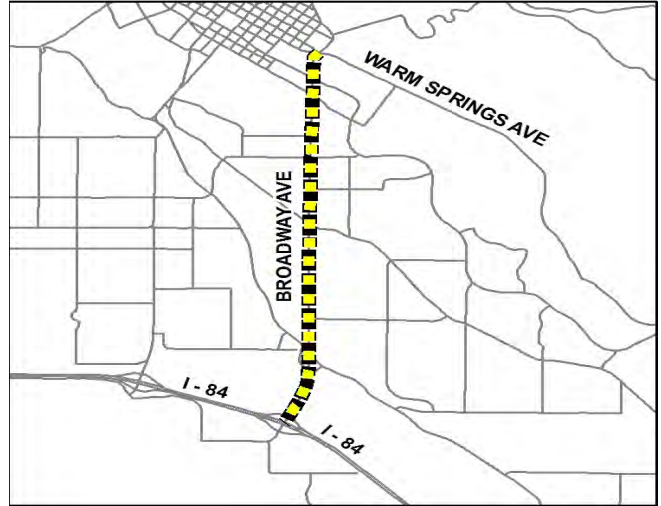


**Broadway Ave Traffic Signal Improvements  
Boise**

Priority: of  
Adjusted Benefit/Cost Ratio:

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	<b>\$225,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$225,000

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

Priority: of  
Adjusted Benefit/Cost Ratio:

GIS #  Prj #  ITD Key #   
 Est Source  Proj Mgr

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

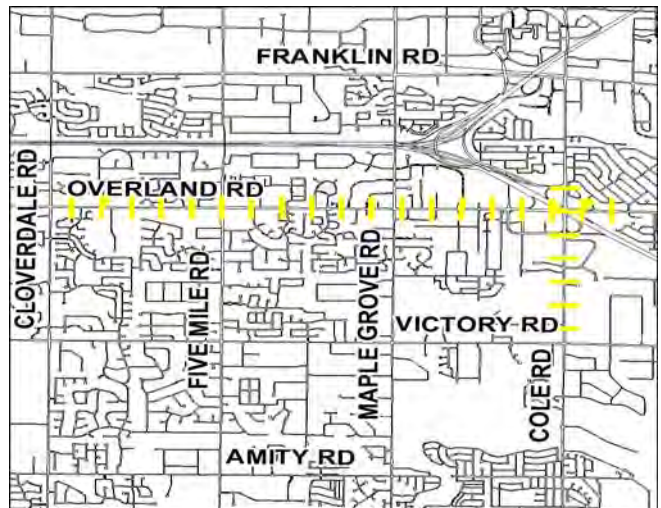
Programmed Expenditures			Project Costs	
Traffic Materials	\$120,000	2021	ACHD Share	\$120,000
Programmed	<b>\$120,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$120,000

**Cole Rd/Overland Rd Traffic Signal Improvements  
Boise**

Priority: of  
Adjusted 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	<b>\$350,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$350,000

**Fiber Optic Cable Network Update (2020)**  
**Ada County / Boise / Kuna / Meridian / Eagle / Garden City / Star**

Priority: of  
 Adjusted Benefit/Cost Ratio:

GIS #  Prj #  ITD Key #   
 Est Source  Proj Mgr

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	<b>\$100,000</b>		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 Benefit/Cost Ratio:

GIS #  Prj #  ITD Key #   
 Est Source  Proj Mgr

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	<b>\$100,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$100,000

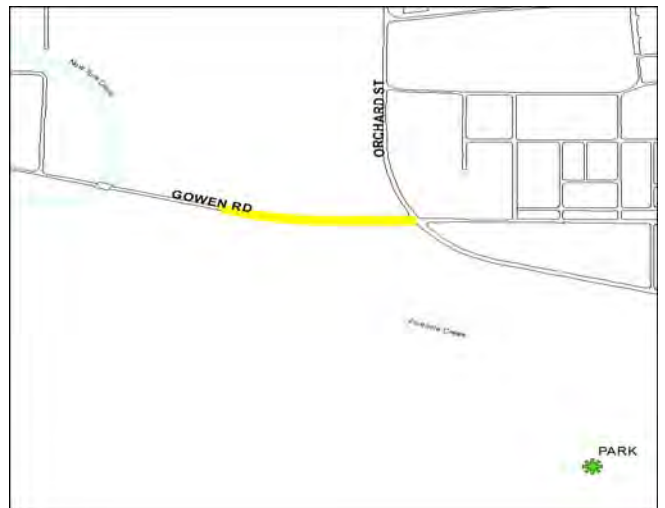
**Orchard St Interim Traffic Improvements**  
**Boise**

Priority: of  
 Adjusted Benefit/Cost Ratio:

GIS #  Prj #  ITD Key #   
 Est Source  Proj Mgr

Construct interim improvements to connect the Orchard Extension (south) with the existing Orchard St. Project includes interim pavement widening and an interim signal at Orchard St and Gowen Rd.

Programmed Expenditures			Project Costs	
Construction	\$453,000	2018	ACHD Share	\$513,000
Traffic Materials	\$60,000	2018	Plus Funding	\$0
Programmed	<b>\$513,000</b>		Plus PriorCosts	
			Project Total	\$513,000

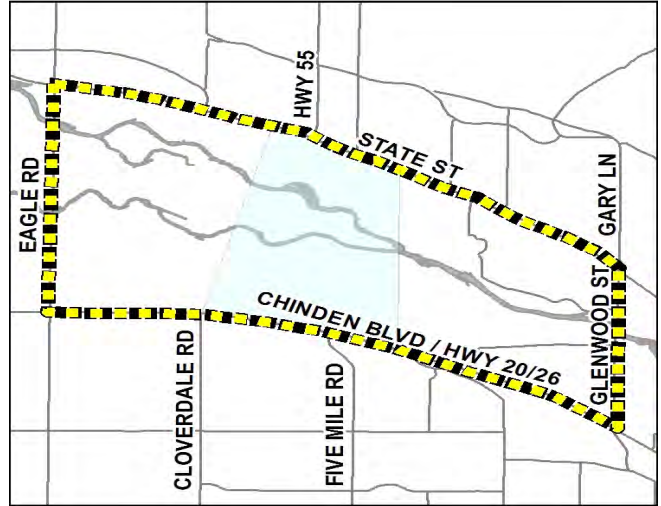


**Three Cities Intelligent Transportation System Improvement  
Boise / Eagle / Garden City**

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

GIS #  Prj #  ITD Key #   
Est Source  Proj Mgr

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		
Traffic Materials	\$232,000	2018
Legal	\$250,000	2018
<b>Programmed</b>	<b>\$482,000</b>	

Project Costs	
ACHD Share	\$260,000
Plus Funding	\$222,000
Plus PriorCosts	\$1,478,873
<b>Project Total</b>	<b>\$1,960,873</b>

**Traffic Signal Upgrades**

**Traffic Signals New and Upgraded (2018)**

Priority: of  
Adjusted 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		
Traffic Materials	\$400,000	2018
<b>Programmed</b>	<b>\$400,000</b>	

Project Costs	
ACHD Share	\$400,000
Plus Funding	\$0
Plus PriorCosts	
<b>Project Total</b>	<b>\$400,000</b>

**Traffic Signals New and Upgraded (2019)**

Priority: of  
Adjusted 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		
Construction	\$300,000	2019
<b>Programmed</b>	<b>\$300,000</b>	

Project Costs	
ACHD Share	\$300,000
Plus Funding	\$0
Plus PriorCosts	
<b>Project Total</b>	<b>\$300,000</b>

**Traffic Signals New and Upgraded (2020)**

Priority: of  
Adjusted 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	<b>\$300,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

**Traffic Signals New and Upgraded (2021)**

Priority: of  
Adjusted 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	<b>\$300,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

**Traffic Signals New and Upgraded (2022)**

Priority: of  
Adjusted 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	2022	ACHD Share	\$300,000
Programmed	<b>\$300,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$300,000

**Traffic Signals New and Upgraded (PD)**

Priority: of Adjusted 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	<b>\$600,000</b>		Plus Funding	\$0
			Plus PriorCosts	
			Project Total	\$600,000

**Safety Projects**

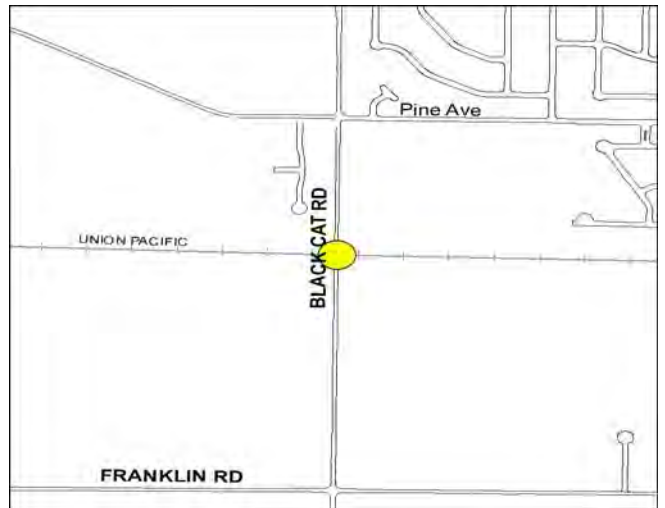
**Black Cat Rd and UPRR Crossing Improvements Meridian**

Priority: of **\*\*TIP\*\***  
Adjusted 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	<b>\$20,000</b>		Plus Funding	\$390,000
			Plus PriorCosts	
			Project Total	\$410,000



**Linder Rd and UPRR Crossing Improvements Meridian**

Priority: of **\*\*TIP\*\***  
Adjusted 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	<b>\$0</b>		Plus Funding	\$525,000
			Plus PriorCosts	
			Project Total	\$525,000



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

Priority: of **\*\*TIP\*\***  
Adjusted 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	\$65,000	2018	ACHD Share	\$24,000
Construction	\$18,000	2019	Plus Funding	\$334,000
Const Engineering	\$3,000	2019	Plus PriorCosts	
Programmed	<b>\$86,000</b>		Project Total	\$358,000

