

Traffic Program

ITS Projects

Active Traffic Management Implementation (2017)
Ada County

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

**Arterial Dynamic Message Sign Installation
Ada County**

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
Est Source Planning 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 | |
|-------------------------|------------------|------|-----------------|-----------|
| Construction | \$135,000 | 2016 | ACHD Share | \$156,000 |
| Traffic Materials | \$10,000 | 2016 | Plus Funding | \$0 |
| Utilities | \$11,000 | 2016 | Plus PriorCosts | |
| Programmed | \$156,000 | | Project Total | \$156,000 |

**Bluetooth Congestion Management System Installation, Phase 1
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 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 | \$150,000 | 2016 | ACHD Share | \$150,000 |
| Programmed | \$150,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | \$0 |
| | | | Project Total | \$150,000 |

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 Other 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 | \$100,000 | 2017 | ACHD Share | \$100,000 |
| Programmed | \$100,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$100,000 |

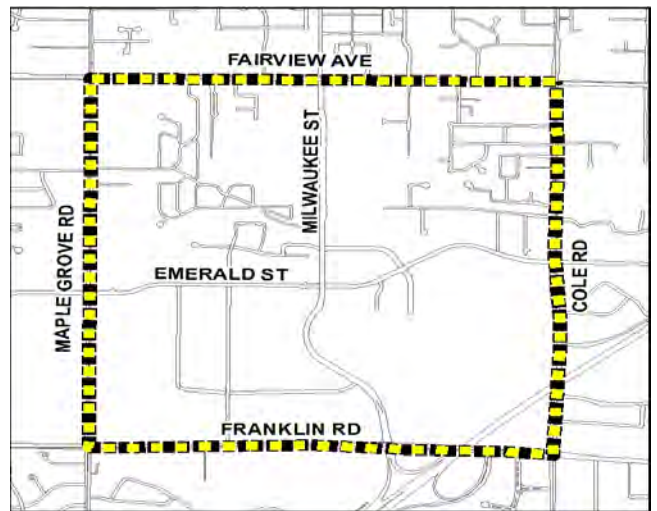
Boise Towne Square Mall Adaptive Traffic Signal Installation
Boise

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

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

Upgrade 20 ACHD signalized intersections around the Boise Towne Square Mall to adaptive traffic signal system to improve operational efficiency, enhance safety and ease congestion during incidents, holiday shopping and construction events.

| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Traffic Materials | \$250,000 | 2020 | ACHD Share | \$250,000 |
| Programmed | \$250,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$250,000 |



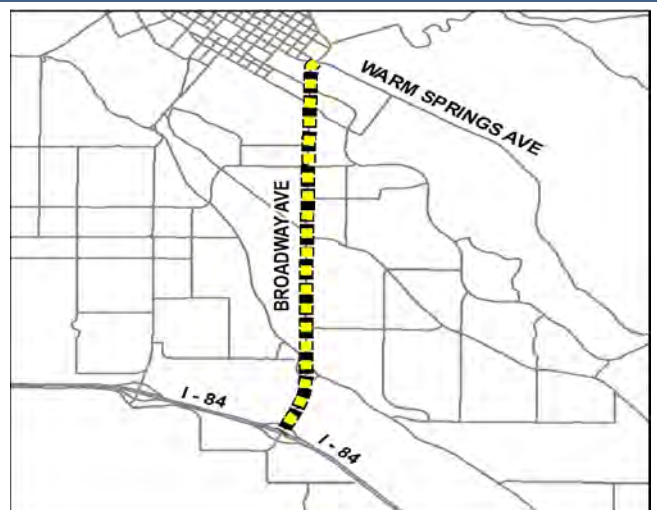
Broadway Ave Adaptive Traffic Signal Installation
Boise

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

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

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 | \$500,000 | 2019 | ACHD Share | \$500,000 |
| Programmed | \$500,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$500,000 |



Closed Circuit TV Camera Replacement
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

Replace outdated analog closed circuit TV cameras with new cameras at 30 locations.

| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Traffic Materials | \$100,000 | 2016 | ACHD Share | \$100,000 |
| Programmed | \$100,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$100,000 |

Cole Rd, Spectrum St / Century Way, Medians
Boise

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

GIS # Prj # ITD Key #
 Est Source Planning 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 | |
|-------------------------|------------------|------|-----------------|-----------|
| Prof Services - DSN | \$60,000 | 2016 | ACHD Share | \$73,000 |
| Construction | \$156,000 | 2017 | Plus Funding | \$174,000 |
| Const Engineering | \$31,000 | 2017 | Plus PriorCosts | |
| Programmed | \$247,000 | | Project Total | \$247,000 |



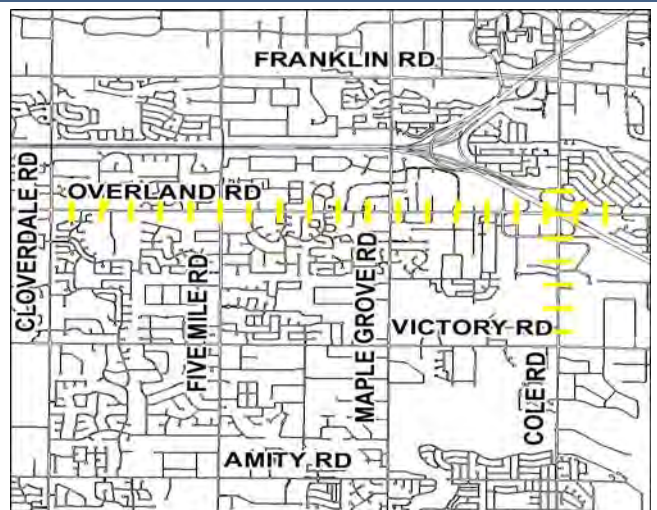
Cole Rd/Overland Rd Adaptive Traffic Signal Installation
Boise

Priority: of
 Adjusted 2015 Benefit/Cost Ratio:

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

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

| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Traffic Materials | \$500,000 | 2018 | ACHD Share | \$500,000 |
| Programmed | \$500,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$500,000 |



**Eagle Rd Adaptive Traffic Signal Installation
Boise / Meridian**

Priority: of
Adjusted 2015 Benefit/Cost Ratio:

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

Upgrade 14 signalized intersections on/near Eagle Rd to adaptive traffic signal systems. Project is 80% funded by ITD.



| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Prof Services - DSN | \$15,000 | 2017 | ACHD Share | \$30,000 |
| Construction | \$60,000 | 2017 | Plus Funding | \$460,000 |
| Traffic Materials | \$415,000 | 2017 | Plus PriorCosts | |
| Programmed | \$490,000 | | Project Total | \$490,000 |

**Emergency Vehicle Pre-emption System Upgrade (2016)
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

Replace outdated 2 channel pre-emption cards with new upgraded cards at 50 intersections.

| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Traffic Materials | \$125,000 | 2016 | ACHD Share | \$125,000 |
| Programmed | \$125,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$125,000 |

**Emergency Vehicle Pre-emption System Upgrade (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

Replace outdated 2 channel pre-emption cards with new upgraded cards at 50 intersections.

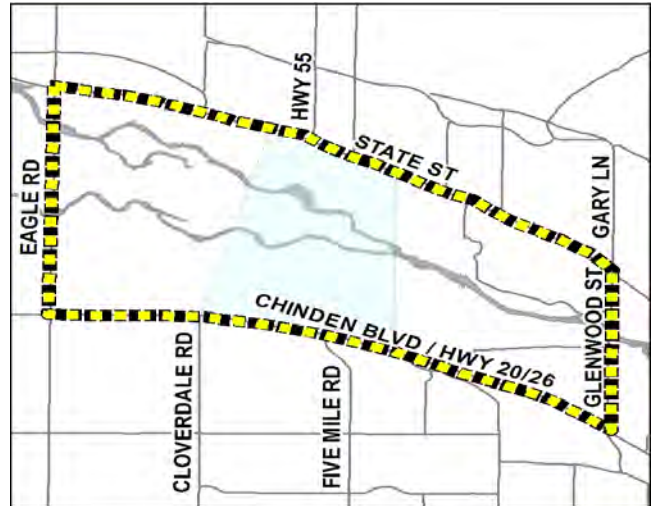
| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Traffic Materials | \$125,000 | 2017 | ACHD Share | \$125,000 |
| Programmed | \$125,000 | | Plus Funding | \$0 |
| | | | Plus PriorCosts | |
| | | | Project Total | \$125,000 |

**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 Joe 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 | 2016 | 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 # ITS213-07 Prj # ITD Key #
Est Source Other Proj Mgr Joe Tate

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 |

Safety Lighting Projects

**Cherry Ln, Linder Rd / Meridian Rd Lighting Improvements
Meridian**

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

GIS # MIS214-01 Prj # 815001.014 ITD Key # C315
Est Source Engineer Proj Mgr Ryan Cutler

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



| Programmed Expenditures | | | Project Costs | |
|-------------------------|------------------|------|-----------------|-----------|
| Construction | \$305,000 | 2017 | ACHD Share | \$12,500 |
| Const Engineering | \$75,000 | 2017 | Plus Funding | \$430,000 |
| Traffic Materials | \$60,000 | 2017 | Plus PriorCosts | |
| Utilities | \$3,000 | 2017 | Project Total | \$442,500 |
| Programmed | \$443,000 | | | |

Boise

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 | |
|-------------------------|------------------|------|-----------------|-----------|
| Prof Services - DSN | \$40,000 | 2016 | ACHD Share | \$48,000 |
| Construction | \$90,000 | 2017 | Plus Funding | \$101,000 |
| Const Engineering | \$19,000 | 2017 | Plus PriorCosts | |
| Programmed | \$149,000 | | Project Total | \$149,000 |

