

DEPARTMENT OF TRANSPORTATION  
COMMISSION ORDER

Division/Bureau/Office Highway / Engineering / Traffic and Safety Order No. H-2015-30  
Submitted by Terry Ostendorf Phone No. 239-1077 Meeting Date January 13, 2015  
Title FY 2016 Traffic Safety Improvement Program Projects

**DISCUSSION/BACKGROUND:** Deferred from the December 9, 2014 Commission meeting.

In 1987, the Iowa Legislature provided that one-half percent of the Road Use Tax Fund be used for traffic safety improvements or studies on public roads under city, county, or state jurisdiction.

The program provides three funding areas for candidate safety projects:

1. Site-specific.
2. Traffic control devices.
3. Research studies and safety initiatives.

The candidate projects and the recommendations from department staff and the state/county/city safety program advisory committee have been presented to the Commission for review and approval.

**PROPOSAL/ACTION RECOMMENDATION:**

It is recommended the Commission approve the FY 2016 Traffic Safety Improvement Program.

**COMMISSION ACTION:**

Moved by \_\_\_\_\_ Seconded by \_\_\_\_\_

	Aye	Vote Nay	Pass
Boswell	_____	_____	_____
Huber	_____	_____	_____
Miles	_____	_____	_____
Putney	_____	_____	_____
Reasner	_____	_____	_____
Rose	_____	_____	_____
Yanney	_____	_____	_____

\_\_\_\_\_  
Division  
Director

\_\_\_\_\_  
Legal

\_\_\_\_\_  
State Director

H-2015-30

Jan Laaser-Webb, Office of Traffic and Safety, said the Traffic Safety Improvement Program was established in 1987 by the Iowa Legislature. The program is implemented to serve Iowa's roadways through an application process. This year it is recommended 24 site specific projects, 20 traffic control device projects, and 18 studies be funded at a total cost of \$9,699,685.

Commissioner Boswell moved, Commissioner Putney seconded the Commission approve the FY 2016 Traffic Safety Improvement Program. All voted aye.

Meeting adjourned at 1:43 p.m.

## Site Specific – Fully Funded

Applicant	Location	Improvement	Project	Request	Recommend
Marion County	Co Rd G-28	Pave 3' shoulder with shoulder rumbles	\$893,787.00	\$500,000.00	\$500,000.00
Montgomery/Mills County	Co.Rd H-34	Widen pavement from 18' to 24' and regrade foreslopes	\$591,706.00	\$500,000.00	\$500,000.00
Harrison County	County Route L-20	Pave 4' shoulders with rumbles and edge line paint markings	\$480,407.00	\$480,407.00	\$480,407.00
City of Clinton	US 30	Intersection pavement marking alignments and signage upgrades and signal timing	\$35,000.00	\$35,000.00	\$35,000.00
City of Des Moines	Hubbell Ave	Add left turn lanes on Hubbell Ave., add north bound right turn lanes on East 42nd street and install traffic signals	\$2,500,000.00	\$500,000.00	\$500,000.00
City of Ames	West Lincoln Way	add East/West turn lanes and signal improvements	\$1,019,000.00	\$500,000.00	\$500,000.00
City of Marion	35th St	Conversion of a 2-way stop with left turn lanes on 4 approaches to a mini roundabout	\$164,220.00	\$164,220.00	\$164,220.00
City of Dubuque	Grandview Ave	Construct a Roundabout	\$632,148.00	\$500,000.00	\$500,000.00
City of Iowa City	1st Ave.	4-lane to 3-lane conversation with center turn lane and traffic signal upgrades	\$1,588,448.00	\$500,000.00	\$500,000.00
Fayette County	Co. Rd. B-64	Widen 8.1 mile road, add 3' paved shoulder with shoulder rumbles and safety edge.	\$2,956,000.00	\$500,000.00	\$500,000.00
City of Perry	IA 144	4 lane to 3 lane conversion and signal upgrades	\$380,000.00	\$380,000.00	\$380,000.00
City of Burlington	Agency Street	Install New Traffic Signals and left turn lanes, remove existing access point	\$930,775.00	\$500,000.00	\$500,000.00
Cerro Gordo County	Co Rd B-35	Widen roadway from 24' to 28' with 2' paved shoulder and construct left and right turn lanes at 3 major intersections	\$3,864,135.00	\$500,000.00	\$500,000.00
Dallas County	Co. Rd. F-31	Realign and Reconstruct 2 existing 382' radius curves with two 1500' radius curves	\$507,456.00	\$500,000.00	\$500,000.00
City of Iowa City	Mormon Trek Blvd	4-lane to 3-lane conversation with center turn lane and right turn lane added at Benton Street.	\$748,431.00	\$500,000.00	\$500,000.00

**Site Specific – Fully Funded (Continued)**

<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
City of Waukee	Hickman Road/ US 6	Install permanent traffic signals and provide northbound and southbound dedicated left turn lanes	\$413,000.00	\$325,000.00	\$325,000.00
City of Fort Dodge	1st Ave. S.	Replace Traffic Signals, construct right turn lanes, consolidate access locations, improve clear zones.	\$2,645,000.00	\$400,000.00	\$400,000.00
Iowa DOT District #1	US 30	Construct an offset right turn lane	\$200,000.00	\$200,000.00	\$200,000.00
Subtotal			\$20,549,513.00	\$7,484,627.00	\$7,484,627.00

**Site Specific – Partially Funded**

<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Polk County	NE 56th St	Install Yellow Flashing beacons & intersection warning signs on NE 56th St and Red Flashing Beacons NE 62nd Ave Stop Signs	\$30,000.00	\$30,000.00	\$20,000.00
Polk County	NE 27th Ave	Install Yellow Flashing beacons & intersection warning signs on NE 64th St and Red Flashing Beacons NE 27th Ave Stop Signs	\$30,000.00	\$30,000.00	\$20,000.00
Iowa DOT Office of Traffic & Safety	Statewide	Low Cost Safety Improvements	\$500,000.00	\$500,000.00	\$250,000.00
City of Waterloo	Dubuque Road	Install traffic signals with railroad pre-emption and add left turn	\$287,400.00	\$287,400.00	\$180,000.00
Winneshiek County	CO. RD. A52/A6W	Pave 8' Shoulders with Rumbles and Wide edge line paint markings	\$307,610.00	\$307,610.00	\$200,000.00
City of Hampton	IA 3	Install new Traffic Signals	\$375,000.00	\$375,000.00	\$175,000.00
Subtotal			\$1,530,010.00	\$1,530,010.00	\$845,000.00

### Site Specific – NOT Funded

Applicant	Location	Improvement	Project	Request	Recommend
Buena Vista County	IA 7	Re-Construct 3 angle intersection to a single 90 degree intersection	\$450,000.00	\$450,000.00	\$0.00
City of Des Moines	Various	Fixed Time Signal Upgrades	\$660,000.00	\$120,000.00	\$0.00
Polk County	NE 78th Ave	Install Yellow Flashing beacons & intersection warning signs on NE 78 Ave and Red Flashing Beacons NE 56th St Stop Signs	\$30,000.00	\$30,000.00	\$0.00
City of Des Moines	Martin Luther King Pkwy	Install traffic signals	\$200,000.00	\$100,000.00	\$0.00
City of Burlington	Agency Street	Install new Traffic Signals and extend existing left turn lanes	\$630,000.00	\$75,000.00	\$0.00
IDOT District #5	US 63	4 lane to 3 Lane Conversion	\$45,000.00	\$45,000.00	\$0.00
Plymouth County	Co Rd C-60	Reconstruct roadway to widen shoulders to 8 ft and regrade foreslopes to 3:1	\$1,400,000.00	\$500,000.00	\$0.00
Buchanan County	Co Rd D-22	Pave shoulders 4' shoulders with rumbles	\$550,000.00	\$300,000.00	\$0.00
Polk County	IA 415	Fiber Optic connection for signals, Add turn lanes at NW 47th Place, Add traffic signals and turn lanes at NW 49th Place, and add right turn lane and signal modification at WB I-80	\$514,000.00	\$320,000.00	\$0.00
Montgomery County	Co.Rd H-34	Widen pavement from 18' to 24' and regrade foreslopes	\$695,644.00	\$400,000.00	\$0.00
Jones County	Co. Rd. X-44	Overlay 6" PCC, adding two foot paved shoulder with safety edge	\$2,500,000.00	\$333,000.00	\$0.00
Henry County	CO. Rd. H-38	Widen road, add 2' paved shoulder with 8" Edge line Rumbles	\$3,958,000.00	\$500,000.00	\$0.00
Subtotal			\$11,632,644.00	\$3,173,000.00	\$0.00
Subtotal			\$33,712,167.00	\$12,187,637.00	\$8,329,627.00

### Traffic Control Devices– Fully Funded

Applicant	Location	Improvement	Project	Request	Recommend
City of West Des Moines	Various	Pedestrian Signal Countdown Displays; 246 units at 36 intersections within the City of West Des Moines	\$27,060	\$27,060	\$27,060.00
City of Solon	IA 1	Materials for New Signals at the intersection of IA 1 and Main Street I n the City of Solon	\$238,590	\$115,900	\$115,900.00
Allamakee County	Old Hwy 9 /A52	Place Red beacons on existng Stop Signs and Yellow beacons on Cross Road Ahead Signs at the intersection of A52 and Old Stage Rd. in Allamakee County	\$11,050	\$11,050	\$11,050.00
City of New Vienna	IA 136	Pedestrian Crosswalk & Warning System on IA 136/Columbus and Main St. within the City of New Vienna	\$19,770	\$19,770	\$19,770.00
Ringgold County	Various	Install or Repalce Stop Ahead and Yeild Ahead signs in the North East Quadrant of the County to meet MUTCD	\$15,400	\$8,778	\$8,778.00
Subtotal			\$311,870	\$182,558	\$182,558

### Traffic Control Devices – Partically Funded

Applicant	Location	Improvement	Project	Request	Recommend
City of Newton	Various	Traffic Signal Battery Back-up units at 9 intersection location within the City of Newton	\$63,000	\$63,000	\$45,000.00
City of Sioux City	Various	Traffic Signal Battery Backup Units at 20 intersection locations within the City of Sioux City	\$70,000	\$70,000	\$45,000.00
City Of Council Bluffs	Various	Traffic Signal Battery Back-up units for 24 intersection within the City of Council Bliffs	\$135,131	\$121,403	\$70,000.00
City of Burlington	Agency Street	Replace existing span wire hung traffic signals with pole mounted traffic signals at the intersection of Agency St and Frontage Road	\$144,860	\$144,860	\$95,000.00
City of Clarion	IA 3	Traffic signal upgrades and improvements at Intersection of IA 3 and Main St and Ia 3 and 4th St East.	\$354,915	\$354,915	\$120,000.00
Subtotal			\$767,906	\$754,178	\$375,000

**Traffic Control Devices –Not Funded**

<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Iowa DOT	Statewide	Overhead Red-Yellow Flashing Beacon Replacement Program	\$100,000	\$100,000	\$0.00
Subtotal			\$100,000	\$100,000	\$0
Total			\$1,179,776	\$1,036,736	\$557,558

## Traffic Safety Studies – Fully Funded

Applicant	Description	Project	Request	Recommend	
Iowa DOT	Zero Fatalities Conference	\$25,000	\$25,000	\$25,000	
Iowa DOT	Work Zone Safety Training	\$110,000	\$55,000	\$55,000	
Iowa DOT	Local Technical Assistance Program (LTAP)	\$145,000	\$85,000	\$85,000	
Iowa DOT	Iowa Traffic Safety Data Service (ITSDS)	\$200,000	\$50,000	\$50,000	
* Iowa DOT	Statewide/ Bicycle Safety Media Campaign	\$27,000	\$20,000	\$20,000	
Iowa DOT	Installation Guide for Centerline and Edgeline Rumble Strips on Narrow Pavements	\$50,000	\$50,000	\$50,000	
Iowa DOT	Strategic Highway Safety Plan Implementation	\$50,000	\$50,000	\$50,000	
Iowa DOT	Traffic & Safety Forum, Training & Peer Exchange	\$30,000	\$30,000	\$30,000	
Iowa DOT	Strategic Highway Safety Plan Data Analysis	\$30,000	\$30,000	\$30,000	
Iowa DOT	Phase I Crash Cushion Selection: Location collection, product type and installation dates	\$20,000	\$20,000	\$20,000	
Iowa DOT	Phase II Crash Cushion Selection: Develop crash rates and injury rates	\$20,000	\$20,000	\$20,000	
Iowa DOT	Phase III Crash Cushion Selection: Collect maintenance data to develop repair cost and	\$20,000	\$20,000	\$20,000	
Iowa DOT	Phase IV Crash Cushion Selection: Combine Phase II and III information to determine life cycle	\$20,000	\$20,000	\$20,000	
City of Waterloo	Television Broadcast Traffic Safety Awareness Campaign w/Zero Fatality Tag: Waterloo and	\$60,000	\$60,000	\$60,000	
* Iowa DOT	Safety Guide for County Engineers	\$40,000	\$40,000	\$40,000	
*On behalf of local governments		Subtotal	\$847,000	\$575,000	\$575,000

<b>Traffic Safety Studies – Partically Funded</b>				
<b>Applicant</b>	<b>Description</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
* Iowa DOT	Motorcyle Safety Course	\$75,000	\$75,000	\$37,500
Iowa DOT	In-Service Performance Evaluation of Median Cable Barrier in Iowa	\$150,000	\$150,000	\$100,000
Iowa DOT	Iowa SPF/CMF Development	\$200,000	\$200,000	\$100,000
Subtotal		\$425,000	\$425,000	\$237,500
<b>Traffic Safety Studies – Not Funded</b>				
<b>Applicant</b>	<b>Description</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Iowa DOT	Go Team II	\$780,000	\$50,000	\$0
City of Norwalk	Highway 28, Sub-Area 1 Master Planning	\$18,000	\$18,000	\$0
Iowa DOT	High Friction Surface Treatment (Data Collection and Evaluation)	\$110,000	\$50,000	\$0
* Iowa DOT	Evaluation of the Magnitude of School Bus Stop-Arm Passing	\$80,000	\$40,000	\$0
* Iowa DOT	Data Analysis: Truck Rollover Crashes Due to High Winds	\$40,000	\$40,000	\$0
City of Creston	Traffic Speed feedback Trailer	\$5,200	\$5,200	\$0
Subtotal		\$1,033,200	\$203,200	\$0
Total		\$2,305,200	\$1,203,200	\$812,500