

DEPARTMENT OF TRANSPORTATION
COMMISSION ORDER

Division/Bureau/Office Highway/Project Delivery/Traffic and Safety Order No. H-2013-21
Submitted by Jeremy Vortherms Phone No. 515-239-1267 Meeting Date November 13, 2012
Title FY 2014 Traffic Safety Improvement Program Projects

DISCUSSION/BACKGROUND:

In 1987 the Iowa Legislature provided that one-half 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. Traffic control devices.
2. Site-specific.
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 2014 Traffic Safety Improvement Program.

COMMISSION ACTION:

Moved by _____ Seconded by _____

	Aye	Vote Nay	Pass
Blouin	_____	_____	_____
Cleveland	_____	_____	_____
Miles	_____	_____	_____
Reasner	_____	_____	_____
Rose	_____	_____	_____
Wiley	_____	_____	_____
Yanney	_____	_____	_____

Division Director Legal State Director

H-2013-21

Jeremey Vortherms, Office of Traffic and Safety, said Commission approval of the state Fiscal Year 2014 Traffic Safety Improvement Program is requested. Staff recommends approving 50 applications for approximately \$9.7 million. There are 29 site-specific projects, 11 traffic control device projects, and 10 studies as listed in the attachment.

Commissioner Reasner moved, Commissioner Cleaveland seconded the Commission approve the FY 2014 Traffic Safety Improvement Program. All voted aye

Site Specific – Fully Funded

Applicant	Location	Improvement	Project	Request	Recommend
City of Urbandale	US Hwy 6	Reduce median break by adding raised Island and Eliminate left turn lanes at side entrances	\$150,000.00	\$30,000.00	\$30,000.00
Hamilton County	Co Rd. R-33	Pave 2' shoulders, install safety edge and add Chevrons on curves on a 5 1/2 mi section of R-33	\$1,730,000.00	\$265,000.00	\$265,000.00
City of Fort Dodge	5th Ave South	Convert 4 lane to 3 lane, Install two-way left turn lane, Install traffic signals	\$550,000.00	\$500,000.00	\$500,000.00
City of Des Moines	East 30th Street	Add North-South left turn lanes	\$635,000.00	\$500,000.00	\$500,000.00
City of Des Moines	US 69 & US 6	Median Island Modification - Traffic Signal Pole relocation	\$195,000.00	\$170,000.00	\$170,000.00
City of Des Moines	US Hwy 6	Traffic Signal Upgrade	\$180,000.00	\$150,000.00	\$150,000.00
District #1	IA Hwy 141	Signal Timing & Functional Geometric Improvements	\$500,000.00	\$350,000.00	\$350,000.00
City of Bondurant	US Hwy 65	Install Traffic Signals, Install offset left turns on US 65, add left turn lanes on 32nd St SW	\$716,000.00	\$500,000.00	\$500,000.00
City of Grinnell	I-80	Re-Alignment of the I-80 eastbound exit ramp, dedicated southbound left turn lane, removal of Yield control in the Hwy 146 median and raised island in the east side of intersection.	\$432,040.00	\$432,040.00	\$432,040.00
Polk County	US Hwy 163	Upgrade Signs and add Solar Beacons	\$38,000.00	\$38,000.00	\$38,000.00
Black Hawk County	Co Rd. V-37 (Dysart Rd)	Resurface the roadway, Pave 2' shoulder, Install edgeline rumbles & add turn lane at the Washburn Road intersection	\$1,391,740.00	\$500,000.00	\$500,000.00

Site Specific – Fully Funded (continued)

Applicant	Location	Improvement	Project	Request	Recommend
Iowa DOT District # 2	US Hwy 18	Install traffic signals @ the intersection of US Hwy 18 & N. Main Street as well as Install 2 railroad crossing gates, cantilevers & prediction circuitry	\$415,000.00	\$415,000.00	\$415,000.00
Black Hawk County	Co Rd. V-37 (Dysart Rd)	Resurface the PCC roadway, increase sight distance, Pave 2' shoulder, Install edgeline rumbles	\$2,212,265.00	\$450,000.00	\$450,000.00
District #2	IA Hwy 3	Four to Three lane conversion	\$75,000.00	\$75,000.00	\$75,000.00
City of Clarion	IA Hwy 3	Upgrade & Replace Traffic Lights & Mast Arm Mounted Traffic Signals	\$54,900.00	\$45,900.00	\$45,900.00
City of Algona	US Hwy 169	Upgrade signals to provide protected left turns for North/South traffic. Improve turning radii, provide full width Right Turns on Minor approach & provide 10' clear zone@ intersection	\$412,000.00	\$412,000.00	\$412,000.00
Humboldt County	Co Rd. C-20	Add 3' paved shoulders with rumbles and Wider painted Edge lines.	\$133,500.00	\$133,500.00	\$133,500.00
Cerro Gordo County	Co. Rd. B-20	Reconstruct Horizontal Curve to a 55 MPH design, widen road from 22' to 24' and place 4" rumble stripes in 1' Paved Shoulder	\$2,100,000.00	\$400,000.00	\$400,000.00
District #2	US-18	Correction of Skew	\$43,600.00	\$43,600.00	\$43,600.00
City of Waterloo	Washington Street (US 218)	Install or replace Overhead or near side signals, add Durable pavement markings.	\$250,000.00	\$250,000.00	\$250,000.00
Dickinson County	130th Street	Widen shoulder to 6', Grade fore slope to 3:1 & Correct Horizontal Curve and Vertical Curve	\$325,000.00	\$325,000.00	\$325,000.00
Plymouth County	C-38 / K-42	Reconstruct Intersection to increase sight distance, widen shoulders to 8' flatten profile and install turn lanes.	\$1,650,000.00	\$200,000.00	\$200,000.00

Site Specific – Fully Funded (continued)

Applicant	Location	Improvement	Project	Request	Recommend
Crawford County	Co Rd. E-16	Base Widening, Shoulder Paving w/rumble Strips, Safety Edge & Resurfacing	\$1,297,525.00	\$500,000.00	\$500,000.00
City of Muscatine	Cedar Street	Install new Signals and Equipment	\$138,000.00	\$138,000.00	\$138,000.00
Buchanan County	Co Rd. W-35	Place Edgeline and Centerline Rumbles on the 6.95 mile stretch of W35 as well as paving 4' shoulders on 2 curves.	\$90,000.00	\$90,000.00	\$90,000.00
Clinton County	Co Rd. Z-40	Co Rd. Z-40 & Co Rd. E-50 Intersection Realignment	\$72,000.00	\$72,000.00	\$72,000.00
DOT Office of Traffic & Safety	Various Counties	Centerline Rumbles and Edge line Rumbles	\$5,000,000.00	\$500,000.00	\$500,000.00
DOT Office of Traffic & Safety	Various	provide high friction surface treatments for high-crash locations on horizontal curves in the eastern portion of Iowa.	\$500,000.00	\$500,000.00	\$500,000.00
DOT Office of Traffic & Safety	Various	provide high friction surface treatments for high-crash locations on horizontal curves in the western portion of Iowa.	\$500,000.00	\$500,000.00	\$500,000.00
		Subtotal	\$21,786,570	\$8,485,040	\$8,485,040
			Total	\$21,786,570	\$8,485,040

Traffic Safety Studies – Fully Funded

Applicant	Description	Project	Request	Recommend
City of Clive/City of Urbandale	I-35/80 & Hickman Road Interchange Study	\$110,900	\$110,900	\$110,900
City of Waterloo	Traffic Safety Awareness Campaign	\$20,000	\$20,000	\$20,000
Ringgold County	Posted Bridge Public Awareness Program	\$37,080	\$37,080	\$37,080
DOT-Traffic & Safety *	Work Zone Safety Training	\$115,000	\$55,000	\$55,000
DOT-Traffic & Safety	Analysis: Iowa SPF - CMF Development	\$200,000	\$200,000	\$200,000
DOT-Traffic & Safety *	Iowa Traffic Safety Data Service (ITSDS)	\$250,000	\$40,000	\$40,000
DOT-Traffic & Safety *	Traffic Safety Forum, Training & Peer Exchange	\$20,000	\$20,000	\$20,000
DOT-Traffic & Safety	Pavement Markings on Low Volume Roads	\$25,000	\$25,000	\$25,000
DOT-Traffic & Safety	Centerline Rumbles Affect on Pavement Joints	\$50,000	\$50,000	\$50,000
DOT-Traffic & Safety *	Local Technical Assistance Program (LTAP)	\$180,000	\$130,000	\$130,000
*On behalf of local governments	Subtotal	\$1,007,980	\$687,980	\$687,980

Traffic Safety Studies – Funded By Other Source

Applicant	Description	Project	Request	Recommend
DOT-Traffic & Safety	Crash Magic Statewide License Renewal	\$15,000	\$15,000	\$0
DOT-Traffic & Safety	Crash Analysis Research Subscription	\$8,000	\$8,000	\$0
	Subtotal	\$23,000	\$23,000	\$0

Traffic Safety Studies – Not Funded

Applicant	Description	Project	Request	Recommend
DOT-Traffic & Safety	Data Analysis: Crash Facts	\$40,000	\$40,000	\$0
DOT-Traffic & Safety	Development of Iowa Road Safety Audit or Assessment Guidelines	\$30,000	\$30,000	\$0
DOT-Traffic & Safety	Effectiveness of TEAP Studies	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Safety Improvement Webinar Project	\$25,000	\$25,000	\$0
DOT-Traffic & Safety	Pilot Evaluation of Retro-Reflective Sheeting Performance	\$30,000	\$30,000	\$0
DOT-Traffic & Safety	Measuring Highway Safety Investments	\$40,000	\$40,000	\$0
DOT-Traffic & Safety	Return on Investment in Data & Information Tools for Data-Driven Safety Programs	\$60,000	\$60,000	\$0
DOT-Traffic & Safety	Rural Roads Safety Public Service Announcement	\$20,000	\$20,000	\$0
	Subtotal	\$295,000	\$295,000	\$0
	Total	\$1,325,980	\$1,005,980	\$687,980

Traffic Control Devices– Fully Funded					
Applicant	Location	Improvement	Project	Request	Recommend
Webster County	Various	Signs on Paved Roads - II	\$47,768	\$29,100	\$29,100
City of Ames	Lincoln Way	Redesign and upgrade Installation of Traffic Signals at the intersection of Lincoln Way and Hayward Street	\$186,300	\$111,500	\$111,500
City of West Des Moines	Various	Traffic Signal Battery Back-up Units at 17 locations through West Des Moines	\$113,900	\$113,900	\$113,900
City of Clarion	IA Hwy 3	Upgrade traffic signals @ IA Hwy 3 & Main Street and US Hwy 3 & 4th Street with new & larger LED lights	\$81,400	\$73,260	\$73,260
Buena Vista County	Co Rd. M-44	Installation of Chevron & Equipment on Curves approx 4 miles north of Storm Lake on Co Rd. M-44	\$2,425	\$2,425	\$2,425
City of Orleans	Various	Upgrade old and outdated signs to meet MUTCD	\$1,860	\$1,860	\$1,860
Harrison County	Route F-20-L	Replace Warning & Regulatory signs along Route F-20-L with High Intensity faces to meet MUTCD	\$12,000	\$8,150	\$8,150
City of Hedrick	IA Hwy 149	Installation of Solar Beacon on top of Stop Sign and Installation of Yellow beacons on each direction of IA Hwy 149	\$9,975	\$4,975	\$4,975
Cedar County	Y-26 & F-44	Increase Sign Size, Add Curve Signs w/Supplemental Speed Plaques to meet MUTCD	\$3,454	\$1,650	\$1,650
City of Clinton	Mill Creek Parkway	Intersection Conflict System at Mill Creek Parkway & 13th Ave North and 2nd Ave South	\$80,000	\$60,000	\$60,000
DOT – Office of Traffic and Safety	State Wide Locations	Improved Signing at Horizontal Curves Program	\$1,000,000	\$150,000	\$150,000
Subtotal			\$1,539,082	\$556,820	\$556,820
Traffic Control Devices – Funded By Other Source					
Applicant	Location	Improvement	Project	Request	Recommend
District #5	Various	Replace old outdated and poor condition Stop Signs within the District to meet MUTCD	\$20,900	\$20,900	\$0
Subtotal			\$20,900	\$20,900	\$0
Total			\$1,559,982	\$577,720	\$556,820