

**DEPARTMENT OF TRANSPORTATION  
COMMISSION ORDER**

Division/Bureau/Office Highway / Engineering / Traffic and Safety Order No. H-2012-33  
 Submitted by Jeremy Vortherms Phone No. 239-1267 Meeting Date December 13, 2011  
 Title FY 2013 Traffic Safety Improvement Program Projects

**DISCUSSION/BACKGROUND:**

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. Traffic control devices;
2. Site-specific; and
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 2013 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-2012-33

Jeremey Vortherms, Office of Traffic and Safety, said he presented the recommended Traffic Safety Improvement Program at the Commission's November workshop, and he requested Commission approval of the program.

Commissioner Yanney moved, Commissioner Wiley seconded the Commission approve the FY 2012 Traffic Safety Improvement Program. All voted aye.

### Site Specific – Fully Funded

Applicant	Location	Improvement	Project	Request	Recommend
City of Sioux City	Outer Drive	Pave 4'-6' shoulders and mill-in Rumble Strips to both sides of Outer Drive on the northern boundary of Sioux City.	\$250,000	\$200,000	\$200,000
City of Ankeny	SE Oralabor Rd (IA 160) & SE Peachtree Dr.	Widen North side of SE Oralabor Road to provide Left Turn Lanes and Raised Median, Install traffic signals at intersection	\$872,400	\$500,000	\$500,000
City of Des Moines	Beaver Ave. & Urbandale Ave.	Remove existing traffic signalized intersection and construct a Modern Single-lane Roundabout	\$1,300,000	\$350,000	\$350,000
City of Des Moines	Hubbell Ave.	Restriping Hubbell Avenue between E 18th and E 33rd Streets from the existing 4-lane roadway to a 3-lane roadway, including bicycle lanes.	\$390,000	\$330,000	\$330,000
City of Des Moines	E 4th Street at Court Ave. & Walnut St.	Installation of traffic signals, at East 4th St. & Walnut St. and East 4th St. & Court Ave. Signals with back plates and pedestrian "countdown" signal indications for all approaches.	\$280,000	\$230,000	\$230,000
City of Des Moines	Various locations throughout the City	Purchase and Installation of updated School Flasher Control System that Operates the City's 100 School Flashers	\$225,000	\$156,000	\$156,000
City of Ames	West Lincolnway & Dotson	Construct improvements to add East and West bound turn lanes and convert a 2-way stop controlled to a signalized intersection	\$1,013,680	\$500,000	\$500,000
Marion County	Co. Rd. T-15 & Co. Rd. G-46, North of Knoxville	Realign intersection to center of curve, add offset left turn, add rumbles to the curve, install destination light and install chevrons	\$398,500	\$398,500	\$398,500
Pottawattamie County	U.S. 6 & Co. Rd. L-55	Reconstruct the current "Y" intersection to a "T" intersection and install turn lanes	\$300,000	\$300,000	\$300,000
Audubon County	Co. Rd. F-24 & Co. Rd. M-66, Northwest of Audubon	Install W4-4P signs at existing Stop Signs and add 3 sets of Transverse Rumbles at the North leg of the Intersection	\$22,650	\$22,650	\$22,650
Dallas County	9 locations throughout the County	Install Guardrail or improve guardrail at 9 locations at bridges	\$162,000	\$129,600	\$129,600

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

<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Des Moines County	Mediapolis Road, 4 miles West of Mediapolis	Flattening foreslopes, Flattening driveway side slopes and regrade two vertical curves on a 3/4 mile section of Roadway	\$515,187	\$500,000	\$500,000
District #1	IA 330, North of U. S. 30 in Marshall County	Pave 2' Shoulders and mill in Rumble Strips on both sides of IA 330	\$36,750	\$36,750	\$36,750
District #1	IA 210, West of Maxwell in Story County	Pave 4' Shoulders and mill in Rumble Strips on both sides of IA 210	\$62,500	\$62,500	\$62,500
District #1	IA 415, North of Ankeny in Polk County	Pave 4' Shoulders and mill in Rumble Strips on both sides of IA 415	\$87,500	\$87,500	\$87,500
District 2	IA 3 in Oelwein	Restriping IA 3 from IA 150 to 9th Ave East from 4 – lane to a 3 - lane	\$49,300	\$49,300	\$49,300
District 2	IA 76 in Allamakee County	Narrow to 11', move centerline 1' to the west, allowing northbound edge line 2' to the west, creating a wider shoulder. Install a rumble strip, upgrade warning signs and mill in reflective tape for the new centerline and edge lines	\$61,400	\$61,400	\$61,400
District 2	IA 122 & Co. Rd. S-56 in Mason City	Convert from 4 lane to 3 lane and construct offset right hand turn lanes. This will provide a 5-foot wide paved shoulders where none exist currently	\$140,600	\$140,600	\$140,600
District 2	IA 122 & College Dr. in Mason City	Convert from 4 lane to 3 lane and construct offset right hand turn lanes. This will provide a 5-foot wide paved shoulders where none exist currently	\$124,350	\$124,350	\$124,350
District 6	IA 150, 4.5 miles North of Independence	Remove 2 existing 716' radius curves and construct 2 2000' radius curves with 28' pavement, 8' shoulder (4' paved, 4' Granular) and milled in Rumbles	\$4,250,000	\$500,000	\$500,000
Subtotal			\$10,541,817	\$4,679,150	\$4,679,150

<b>Site Specific –Partially Funded</b>					
<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Polk County	IA 415	Install traffic signals and other intersection improvements at NW 26th & IA 415 West of Ankeny	\$609,000	\$165,000	\$100,000
Subtotal			\$609,000	\$165,000	\$100,000
<b>Site Specific –Not Funded</b>					
<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Polk County	IA 415	Construction of Offset Right Turn Lane on SB IA 415 at the intersection of NW 84th Ave	\$200,000	\$200,000	\$0
City of Dakota City	Intersection of 1 <sup>st</sup> Ave. North and Nevada Ave.	Convert "Y" intersection to a Stop Controlled "T" intersection at 1st Ave North and Nevada Ave. east of Dakota City	\$419,830	\$419,830	\$0
Subtotal			\$619,830	\$619,830	\$0
Total			\$11,770,647	\$5,463,980	\$4,779,150

<b>Traffic Control Devices– Fully Funded</b>					
<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
City of West Des Moines	University Ave.	Purchase Traffic Signal Battery Back-up Units at High Volume Intersection along University Ave in	\$117,000	\$117,000	\$117,000
City of Denison	U.S. 30	Install new Mast Arms and Poles, replace existing cables, detectors and controller with new	\$200,000	\$115,000	\$115,000
Subtotal			\$317,000	\$232,000	\$232,000
<b>Traffic Control Devices – Partially Funded</b>					
<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
City of Iowa City	U.S. 6	Install Mid-way and Pedestrian Countdown signals at six intersection and make	\$33,000	\$33,000	\$21,500
IDOT – Office of Traffic and Safety	State Wide Locations	Improved Signing at Horizontal Curves Program	\$1,000,000	\$150,000	\$124,830
IDOT – Office of Traffic and Safety	State Wide Locations	Replacement of Overhead Red-Yellow Flashing Beacons Program	\$200,000	\$100,000	\$80,000
IDOT – Office of Local Systems	State Wide Locations	City Sign Replacement Program	\$250,000	\$250,000	\$80,000
Subtotal			\$1,483,000	\$533,000	\$306,330
<b>Traffic Control Devices – Not Funded</b>					
<b>Applicant</b>	<b>Location</b>	<b>Improvement</b>	<b>Project</b>	<b>Request</b>	<b>Recommend</b>
Webster County	Paved County Roads	Upgrade stop and stop ahead signs on low volume paved roads in Webster County	\$45,400	\$27,100	\$0
Van Buren County	Various	Four Grouping project to replace existing aged and weathered Curve and Turn signs	\$46,200	\$32,500	Horizontal Curves Signing Program
Buena Vista County	Co. Rd. M-44	Install Chevrons at curve located 4 miles North of Strom Lake	\$2,300	\$2,300	Horizontal Curves Signing Program
Jasper County	Co. Rd F-17E & W, T-38S, F-62W & T-14S	Upgrade 484 warning signs to a Diamond Grade or Prismatic Grade sheeting.	\$60,000	\$30,000	Horizontal Curves Signing Program
Subtotal			\$153,900	\$91,900	\$0
Total			\$1,953,900	\$856,900	\$538,330

## Traffic Safety Studies – Fully Funded

Applicant	Description	Project	Request	Recommend
DOT-Traffic & Safety *	Traffic Safety Liaison Program	\$55,000	\$55,000	\$55,000
DOT-Traffic & Safety *	Safety Circuit Rider Support	\$60,000	\$20,000	\$20,000
DOT-Traffic & Safety *	Traffic and Safety Engineering Forum, Training and Peer Exchange	\$20,000	\$20,000	\$20,000
DOT-Traffic & Safety *	Iowa Traffic Safety Data Service (ITSDS)	\$200,000	\$20,000	\$20,000
DOT-Traffic & Safety *	Continuation of Iowa's Road Safety Audit Program	\$20,000	\$20,000	\$20,000
DOT-Traffic & Safety	Website: Enhancements to Safety Information and Data	\$15,000	\$15,000	\$15,000
DOT-Traffic & Safety	Website: Profiles Presentation Materials Automation	\$40,000	\$40,000	\$40,000
DOT-Traffic & Safety *	Crash Magic Statewide License Renewal	\$16,000	\$16,000	\$16,000
DOT-Motor Vehicle Division	Data Analysis: Crash Facts	\$20,000	\$20,000	\$20,000
DOT-Traffic & Safety	Comprehensive Highway Safety Plan Implementation	\$300,000	\$100,000	\$100,000
DOT-Traffic & Safety	CHSP Statewide Crash Data Analysis	\$40,000	\$40,000	\$40,000
DOT-Traffic & Safety	2012 Comprehensive Highway Safety Plan Development	\$135,000	\$35,000	\$35,000
DOT-Office of Driver Services	Young Driver Driver Education	\$80,000	\$50,000	\$50,000
DOT-Traffic & Safety *	Integrating Access Management Research into Local Practice	\$35,000	\$35,000	\$35,000
DOT-Motor Vehicle Enforcement	CMV/Truck Statewide Crash Causation Analysis	\$40,000	\$40,000	\$40,000
DOT-Traffic & Safety	Operational Evaluation of Suburban Growth Corridors	\$60,000	\$60,000	\$60,000
*On behalf of local governments	Subtotal	\$1,136,000	\$586,000	\$586,000

## Traffic Safety Studies – Not Funded

Applicant	Description	Project	Request	Recommend
DOT-Traffic & Safety	Assessments of High Friction Surface Treatments	\$250,000	\$50,000	\$0
DOT-Traffic & Safety	Saver: TraCS Local Data Converter	\$40,000	\$40,000	\$0
DOT-Traffic & Safety	Statistical Analysis: Rural Expressways	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Before/After: Paved Shoulder w/Rumble Strips	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Safety Analysis: One-Way Pairs	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Before/After: Historical TSIP	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Before/After: Historical HSIP	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Before/After: Cable Median Barriers	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Safety Education Collaboration	\$20,000	\$20,000	\$0
DOT-Traffic & Safety	Traffic Safety Culture – PH II-C: Findings from Research	\$25,000	\$25,000	\$0
DOT-Traffic & Safety	Evaluation of Iowa's Road Safety Audit	\$20,000	\$20,000	\$0
DOT-Traffic & Safety	Prioritization of Traffic Safety Fund Projects	\$50,000	\$50,000	\$0
DOT-Traffic & Safety	Evaluation of Rural Intersection Treatments	\$120,000	\$90,000	\$0
DOT-Traffic & Safety	Evaluation of Oversized Chevrons	\$45,000	\$45,000	\$0
Subtotal		\$870,000	\$640,000	\$0
Total		\$2,006,000	\$1,226,000	\$586,000