

DEPARTMENT OF TRANSPORTATION
COMMISSION ORDER

Division/Bureau/Office Highway / Systems Operations / Traffic & Safety Order No. _____
Submitted by Jan Laaser-Webb Phone No. 239-1349 Meeting Date December 8, 2015
Title FY 2017 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, studies, or education initiatives to reduce traffic safety fatalities and major injuries 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; 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 2017 Traffic Safety Improvement Program.

COMMISSION ACTION:						
			Boswell	Aye	Vote Nay	Pass
			Huber	_____	_____	_____
			Miles	_____	_____	_____
Moved by _____		Seconded by _____	Putney	_____	_____	_____
			Reasner	_____	_____	_____
			Rose	_____	_____	_____
			Yanney	_____	_____	_____
_____ Division Director	_____ Legal	_____ State Director				

**Iowa Department of Transportation
FY 2017 Traffic Safety Improvement Program**

Site Specific – Fully Funded

Applicant	Location	Improvement	Project	Request	Recommend
Iowa DOT - Traffic and Safety		Low-cost safety improvements on county roads	\$500,000	\$500,000	\$500,000
Iowa DOT District 1	Oralabor Road/ Delaware Avenue	Addition of dual northbound (NB) right-turn lanes, westbound (WB) right-turn lanes, widening of exit ramp and addition of southbound (SB) right-turn lanes	\$3,217,300	\$500,000	\$500,000
City of Des Moines	42nd Street	Traffic signals at 42nd Street and Crocker Street, remove WB movement at 42nd Street and Chamberlain Drive, replacement/relocation of pad signals across 42 nd Street, added turn lanes, and sidewalk improvements	\$1,696,300	\$500,000	\$500,000
City of Des Moines	Prospect Road and Martin Luther King Jr. Parkway	Installation of traffic signal	\$290,000	\$120,000	\$120,000
City of Des Moines	Various	Upgrading the traffic signal operation at 25 existing intersections that currently operate as fixed-time signals	\$660,000	\$120,000	\$120,000
City of Urbandale	142nd Street	Reconstruct the existing roundabout using modern design guidelines and increase the deflection angle for entering traffic	\$502,000	\$500,000	\$500,000
City of Ames	South Duff Avenue	New intersection with signal and addition of a raised concrete median along South Duff from Fifth Street to the new signal location	\$450,000	\$450,000	\$450,000
Webster County	Webster County Road P-59	Add superelevation to the horizontal curve and add 2-foot paved shoulders through the curve and tangents coming in and out of curve on Webster County Road P-59 approximately 2 miles north of Fort Dodge	\$191,380	\$191,380	\$191,380

Site Specific – Fully Funded (continued)

City of Cedar Falls	University Avenue	Installation of a roundabout, reduce corridor from six-lanes to four-lanes, reduce lane width from 12 feet to 11 feet, reduction of speed through intersection, addition of pedestrian facilities	\$2,100,000	\$500,000	\$500,000
City of Waterloo	Fifth and Sixth streets	Install one signal head over each lane, install vertical and horizontal signs enforcing lane assignment, etc.	\$484,000	\$484,000	\$484,000
Crawford County	Crawford County Road M-36 (Donna Reed Road)	Intersection with U.S. 30 on the north end south and east to the intersection with Crawford County Road E-53	\$1,734,740	\$500,000	\$500,000
Plymouth County	Plymouth County Road C-60	Plymouth County Road C-60 reconstruction from Plymouth County Road C-66 west 3.25 miles	\$1,740,000	\$500,000	\$500,000
Montgomery County	Montgomery County Road H-34	Montgomery County Road H-34 east pavement widening	\$695,644	\$500,000	\$500,000
Washington County	Washington County Road W-61 - Riverside Road	24-foot Portland cement concrete (PCC) overlay with 2-foot paved shoulders and 8-inch rumble strips	\$2,039,027	\$500,000	\$500,000
City of De Witt	11th Street/Maynard Way	Install a spit-phased traffic signal, convert 11th Street from four-lane to three-lane cross section, install 'Do Not Block Intersection' signs, and remove obstructions in southwest quadrant	\$445,700	\$300,000	\$300,000
City of Clinton	13th Avenue North	Conversion of four-lane to three-lane	\$200,000	\$200,000	\$200,000
City of Dubuque	Northwest Arterial	Add right-turn only lane on east leg of Pennsylvania Avenue with traffic signal adjustments	\$415,000	\$364,000	\$364,000
City of Cedar Rapids	Kirkwood Boulevard	Construct a single-lane roundabout	\$636,780	\$500,000	\$500,000
Iowa DOT District 6	U.S. 61	Increase existing left turn lane for SB U.S. 61 to SB Coonhunter's Road, add a right-turn lane for NB U.S. 61 to SB Coonhunter's Road	\$170,000	\$170,000	\$170,000
Subtotal			\$18,167,871	\$7,399,380	\$7,399,380

Site Specific – Partially Funded

Applicant	Location	Improvement	Project	Request	Recommend
Clay County and city of Spencer	Clay County Road B-24	Pave shoulders 6-feet wide on both sides of road and added centerline and edgeline rumble strips	\$620,000	\$500,000	\$400,000
Iowa DOT District 6	U.S. 151/Iowa 13/ U.S. 30	Remove guardrail and hot-mix asphalt paved shoulder and replace with a 10-foot wide by 10-inch thick PCC paved shoulder and a BA-102 PCC barrier	\$450,000	\$450,000	\$100,000
Subtotal			\$1,070,000	\$950,000	\$500,000

Site Specific – NOT Funded

Applicant	Location	Improvement	Project	Request	Recommend
Cherokee County	480th Street	Pave gravel section of road to add 10-foot shoulders (partially paved) and turn lanes	\$2,190,000	\$750,000	\$0
City of Ottumwa	South Marion Street	Construct a mini roundabout for a traffic calming measure	\$223,700	\$223,700	\$0
Buchanan County	Otterville Blacktop	Construct shoulders and flatten slopes on 5.25 miles of road - work only includes grading with a future project to include PCC overlay with paved shoulders	\$1,160,000	\$500,000	\$0
Regional Planning Affiliation 8	U.S. 52	U.S. 52 from Dubuque/Jackson County line to the northern city limits of Bellevue - 9.14 miles of paved shoulders	\$1,800,000	\$500,000	\$0
Iowa DOT District 6	U.S. 61	Partially pave the inside and outside shoulders 4 feet in both directions, include inside and outside rumble strips in the 65 mph and 55 mph areas	\$1,500,000	\$500,000	\$0
Subtotal			\$6,873,700	\$2,473,700	\$0
Total			\$26,111,571	\$10,823,080	\$7,899,380

Traffic Control Devices – Fully Funded

Applicant	Location	Improvement	Project	Request	Recommend
Iowa DOT	Statewide	Overhead Red-Yellow Flashing Beacon Replacement Program	\$100,000	\$100,000	\$100,000
Iowa DOT	Statewide	Traffic Sign Replacement Program	\$375,000	\$375,000	\$375,000
Iowa DOT	Statewide	Pedestrian Warning System	\$75,000	\$75,000	\$75,000
Ringgold County	Various	Stop ahead sign replacements across the county	\$17,500	\$9,975	\$9,975
Subtotal			\$567,500	\$559,975	\$559,975

Traffic Control Devices – Partially Funded

Applicant	Location	Improvement	Project	Request	Recommend
Iowa DOT	Statewide	Signing and painting of slip-roadway connections and wrong way arrows at folded diamond interchanges	\$350,000	\$165,000	\$115,000
City of Urbandale	Various	Pedestrian signal countdown displays - 94 pedestrian signal countdown displays at 15 existing signalized intersections	\$89,300	\$61,100	\$50,700
City of West Des Moines	Various	Radar technology traffic signal detector units - seven existing signalized intersections	\$161,000	\$161,000	\$69,000
City of Council Bluffs	Various	Purchase battery backup systems – nine signalized intersections	\$49,453	\$44,305	\$30,000
Subtotal			\$649,753	\$431,405	\$264,700

Traffic Control Devices – Not Funded

Applicant	Location	Improvement	Project	Request	Recommend
City of Garnavillo	Highway 52/ Van Buren Street/ Centre Street	Traffic speed control devices	\$11,915	\$11,200	\$0
Pottawattamie County	Various	County to city transition zone improvements	\$94,635	\$94,635	\$0
Green Valley State Park	Green Valley State Park	Install a radar speed sign to help slow traffic to posted speed of 15 mph	\$2,600	\$2,600	\$0
Subtotal			\$109,150	\$108,435	\$0
Total			\$1,326,403	\$1,099,815	\$824,675

Traffic Safety Studies – Fully Funded

Applicant	Description	Project	Request	Recommend
Iowa DOT	Work Zone Safety Training	\$100,000	\$25,000	\$25,000
Iowa DOT	Safety Vests for Emergency Personnel	\$25,000	\$25,000	\$25,000
Iowa DOT	Local Technical Assistance Program (LTAP)	\$155,000	\$95,000	\$95,000
Iowa DOT	Rail Crossing Safety Educational Support	\$45,000	\$15,000	\$15,000
Iowa DOT	Motorcycle Safety Programs	\$75,000	\$75,000	\$75,000
Iowa DOT	Traffic Safety Training, Conferences, and Peer Exchange	\$75,000	\$75,000	\$75,000
Iowa DOT	Traffic Sign Life Expectancy	\$75,000	\$75,000	\$75,000
Iowa DOT	Iowa LTAP Work Zone Sign Package Program	\$50,000	\$50,000	\$50,000
Iowa DOT	Expanding the Usage of Four- to Three-Lane Conversions	\$75,000	\$75,000	\$75,000
Iowa DOT	Destination Lighting - Specifications and Best Practices	\$40,000	\$40,000	\$40,000
City of Waterloo	Traffic Safety Awareness: Children Online Traffic Safety Quiz	\$8,500	\$8,500	\$8,500
City of Waterloo	Traffic Safety Awareness: Elementary School Outreach	\$11,000	\$11,000	\$11,000
Total		\$734,500	\$569,500	\$569,500