General Introductions

• Name

• Organization

• Looking forward to 2020?
Agenda

• Iowa DOT Construction Updates – Gary Kretlow
• MPO 2016-2020 Safety Targets – Zhi Chen
• Governor’s Traffic Safety Bureau February Report – Zhi Chen
• General Discussions
  – 2020 Meeting Topics
IOWA DOT CONSTRUCTION UPDATES
Scott A. Dockstader, P.E.
District 1 Engineer
DISTRICT 1

PROGRAMMED INTERSTATE PROJECTS
(2020-2025)

- 2018-2020 $55.7 M
- 2019-2020 $45.9 M ($60M total)
- 2019-2020 $17.6 M
- 2022-2023 $57.4 M
- 2023-2024 $109 M
- 2024 $18 M ($42M total)

Des Moines
DISTRICT 1 Major Metro Projects 2020

- IA 17 HMA Resurfacing
- IA 141 north to old IA 415
- IA 44 & R30
- Adding Turn Lanes
- I-35/80 & IA 141
- Flyover Bridge
- Des Moines River Bridge
- 1st St. in Ankeny
- IA 415 HMA Resurfacing
- Euclid Ave. N. to Ankeny
- IA 316 Resurfacing
I-35/80 INTERCHANGE AT IOWA 141
($60M total 2018-2020)
I-35/80 INTERCHANGE
AT IOWA 141
I-35/80 INTERCHANGE
AT IOWA 141
I-35 / 1st ST. INTERCHANGE
($50M total 2017-2021)
I-35 / 1st St. Interchange
($50M total 2017-2021)
SOUTHBOUND LANE

Stage 2

Construction of Southbound Lanes

@ Sta. 246+85.27 to Sta. 259+20.66
@ Sta. 259+20.66 to Sta. 653+71.00

NOTES

© Temporary barrier roll
I-35/80 BRIDGE OVER DES MOINES RIVER ($18M 2019-2021)
I-35/80 BRIDGE OVER DES MOINES RIVER
IOWA 415 Remove Interchange @ NW 66th AVE. ($9M total)
Iowa 415
Pavement Rehabilitation
Euclid Ave. in DSM to 72nd Pl. in Ankeny
($3.5M 2020)
Iowa 17
Pavement Rehabilitation
Iowa 141 to 1 mile south of Madrid ($4.5M 2020)
U.S. 69 - WIDENING
2020 $1.7M ROW
2021 $19.0 M Grade, Pave
2022 $0.2 Erosion Control
IA 28 over Walnut Creek S. of I-235
IA 28 6’ Paved Shoulder from south of the IA 5 Bypass to Lincoln St.
Smaller Metro Projects - All Night Work

1. Pavement Patching on I-235, I-35, & I-80. Also on IA 163 from Pleasant Hill to Prairie City
2. I-235 Lighting Repairs
   a. Will be working from the West Mix to East Mix
3. Diamond Grinding on WB I-80 from the U.S. 65 interchange east to Jasper County
4. Pavement Markings on I-235 from 28th St. to Hull Ave.
5. Bridge approach repair on I-35 over the UPRR (NB)
6. Bridge approach repair on I-235 over Cummins Pkwy (EB)
I-35/80/235 SYSTEMS INTERCHANGE
DELAWARE AVE. AND NE 54TH AVE.
I-35/80/235
SYSTEMS INTERCHANGE
($58M total 2017-2023)
I-80 Capacity Improvement
NEMM to US 65
($18M programmed 2024)
($42M total)
I-35 – Six laning
36th St. to US30

Programmed
2022 $4M ROW
2023 $22.8M bridge - grading
2024 $30M paving

Not Programmed
I-35/80 – U.S. 6 INTERCHANGE (IJR Approved) ($59M estimated cost)
Alternative 1 Concept

I-35/80/235 – SW SYSTEMS INTERCHANGE

Alternative 2 Concept
New Pavement Markings
New Pavement Markings

- Retroreflective White Lane Line
- Non-retroreflective Black Lane Line
Durable Pavement Markings

Year Applied
- 2014: Slip Dashes around
  University Liquid Thermo
- 2015: Slip dashes with tape
- 2016: Slip dashes with tape
  (I-235 includes gore areas with
  tape)
- 2017: Slip Dash Tape
- 2019: Lanes with Epoxy
- 2019-19: Slip dashes and
  edge lines with epoxy
- 2020: Epoxy

2019 - Symbols and lane lines on all ramps in previous marking areas.
Zhi Chen

MPO 2016-2020 SAFETY TARGETS
2016-2020 Safety Targets Background

- As part of Federal Highway Administration (FHWA)'s Highway Safety Improvement Program (HSIP)
  - Safety measures to be reported annually include
    - Number of Fatalities
    - Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT)
    - Number of Serious Injuries
    - Rate of Serious Injuries per 100 million Vehicle Miles Traveled (VMT)
    - Number of Non-motorized Fatalities and Non-motorized Serious Injuries
2016-2020 Safety Targets

2019 Des Moines Area MPO Planning Area
• 35 Fatalities
• 169 Serious Injuries
• 22 Non-motorized Fatalities and Serious Injuries
  • 7 Non-motorized Fatalities
  • 15 Non-motorized Serious Injuries
2016-2020 Safety Targets – MPO Fatalities

![Fatalities Graph]

- **Number of Fatalities**: 0, 5, 10, 15, 20, 25, 30, 35, 40, 45
- **5-year Average**
- **Linear (5-year Average)**

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**Des Moines Area Metropolitan Planning Organization**

**METROPOLITAN PLANNING ORGANIZATION**
2016-2020 Safety Targets – MPO Serious Injuries

Serious Injuries

Number of Serious Injuries

Year


Serious Injuries 5-year Average Linear (5-year Average)
2016-2020 Safety Targets – MPO Non-motorized

Non-motorized Fatalities and Serious Injuries

Year

Non-motorized Fatalities and Serious Injuries


Non-Motorized Fatalities and Serious Injuries
5-year Average
Linear (5-year Average)
# 2016-2020 Safety Targets

*Rates are per 100 million vehicle miles traveled (VMT)*

<table>
<thead>
<tr>
<th>Performance Measures</th>
<th>Five Year Rolling Averages</th>
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<tbody>
<tr>
<td>Number of Fatalities</td>
<td>26.8</td>
</tr>
<tr>
<td>Fatality Rate*</td>
<td>0.562</td>
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<tr>
<td>Number of Serious Injuries</td>
<td>178.6</td>
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<tr>
<td>Serious Injury Rate*</td>
<td>3.756</td>
</tr>
<tr>
<td>Non-Motorized Fatalities and Serious Injuries</td>
<td>26.2</td>
</tr>
</tbody>
</table>
2019 MPO Area Crash Hot Spots
GOVERNOR’S TRAFFIC SAFETY BUREAU
FEBRUARY REPORT
SSB 3040 – Required Blood Draw
- Proposes that county medical examiner shall collect a blood sample on all motor vehicle driver fatality crashes.
- The sample is then provided to the Iowa Division of Criminal Investigation (DCI) to determine whether there was alcohol concentration or presence of a controlled substance or other drug, or any combination of such substances.
- Iowa DCI will retain information for statistical purposes only.

SF 2006/HF 2036 – EMS Professional Permits to Carry
- Eligible EMS professionals will be those who accompany police tactical teams into potentially high casualty situations in which a threat may still be active.
- The individual will complete a firearms safety training course and train with the tactical team.
2020 IOWA LEGISLATIVE SESSION

https://www.legis.iowa.gov/legislation

• HF 2003/SF 2012 – All Occupant Restraint
  • In addition to the current seatbelt law, this bill would require the use of seatbelts in rear vehicle seats for ALL occupants, regardless of age.

• SF 2016 – Motor Vehicles Approaching Stationary Emergency Vehicle
  • Current law requires that a vehicle change lanes if possible or reduce their speed to less than the posted speed limit and be prepared to stop.
  • This proposed bill keeps the verbiage about a lane change and reducing speed; however, it specifies a measurable speed reduction – 20 miles per hour less than the posted speed limit.
• HF 2004 – Rumble Strips
  • This bill would require any governmental entity which exercises jurisdiction over a highway to construct and maintain rumble strips in advance of all stop signs and traffic-control signals located on a highway where the highway enters or crosses a primary highway.
  • They would NOT be required on unpaved highways, on highways inside the limits of any incorporated city, or on highways with a speed limit of less than 55 miles per hour.

• HF 2016 – First OWI Ignition Interlock Devices (IID)
  • Current law requires an IID to be installed in all vehicles OWNED or operated by the defendant.
  • Proposed bill would remove the requirement for one to be installed in ALL owned vehicles and just require one in all OPERATED by the defendant vehicle(s), in which the individual seeks out their temporary restricted license.
SSB 3045 – Hands-Free

Current law allows, for example, a driver to use their hand held electronic communication device to place a phone call whether entering in a phone number on the keypad or finding a phone number in their contacts, and then placing their call.

Proposed bill would no longer allow that. It would prohibit a driver from utilizing an electronic communication device while driving, unless the motor vehicle is at a complete stop off the traveled portion of the roadway.

A person would not be in violation of this section by using an electronic communication device in a hands-free mode (ex – Bluetooth, speakerphone, auxiliary cable).
HF 424 – Green Alert

Bills proposes direction to the Department of Homeland Security and Emergency Management to establish a green alert, defined as a public alert program for missing veterans-at-risk.

Criteria for such an alert shall include but not be limited to

- the incident being reported to law enforcement within 72 hours of the disappearance,
- reason to believe the veteran-at-risk may be missing as a consequence of a physical or mental health condition that is related to the veteran-at-risk’s military service,
- and there is sufficient information available to disseminate a green alert to the public that could assist in locating the missing veteran—at-risk.
• **HF 2040 – Overtaking or Passing a Bicycle**
  - Bill amends Code Section 321.299 (basically adding/including bicycle in the code) to require the driver of a vehicle overtaking a person riding a bicycle proceeding in the same direction on a roadway to pass to the left of the bicycle in an adjacent travel lane or on the opposite side of the roadway, and prohibits the driver from returning to the right side of the roadway until safely clear of the overtaken bicycle in accordance with Code Section 321.281 (references “unreasonably close”).

• **HF 2037/SF 51 – Lamps and Bicycles**
  - Current law only requires a bicycle to have a front lamp and either a rear lamp or rear reflector any time from sunset to sunrise.
  - New bill proposes that from sunset to sunrise, a bicycle must be equipped with a lamp on the front exhibiting a steady or flashing white light visible from a distance of at least 300 feet to the front, and every bicycle or bicycle rider must be equipped with a lamp exhibiting a steady or flashing red light visible from a distance of 300 feet to the rear.
  - Bill also proposes a rider on a highway with a speed limit of 45 miles per hour or more, to wear clothing and equipment which together contain at least 144 square inches of high-visibility or reflective material visible to the rear of the bicycle.
Testing devices are currently capable of testing for THC, Methamphetamine, Opiates, cocaine, MDMA(ecstasy) and benzodiazepines.

Roadside drug testing is not yet in the US, but proposed blood draw bill would greatly improve data collection related to drugged driving in Iowa and help with moving towards roadside drug testing in Iowa.
Based on 31 Key Indicators of a Positive Commute within the following categories:

1. **Cost of ownership & Maintenance**
   - average gas prices
   - average annual insurance premium

2. **Traffic & Infrastructure**
   - rush hour congestion
   - increase in vehicle travel on highways

3. **Safety**
   - seatbelt compliance
   - traffic fatality rate
   - strictness of DUI punishment

4. **Access to Vehicles and Maintenance**
   - car dealerships per capita
   - auto repair shops per capita

### 2020’s Best & Worst States to Drive in

<table>
<thead>
<tr>
<th>Rank</th>
<th>State</th>
<th>Total Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Iowa</td>
<td>64.44</td>
</tr>
<tr>
<td>2</td>
<td>Tennessee</td>
<td>63.43</td>
</tr>
<tr>
<td>3</td>
<td>North Carolina</td>
<td>62.85</td>
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<td>4</td>
<td>Texas</td>
<td>62.51</td>
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<tr>
<td>5</td>
<td>Nebraska</td>
<td>61.89</td>
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<tr>
<td>6</td>
<td>Georgia</td>
<td>61.76</td>
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<td>7</td>
<td>Virginia</td>
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<td>8</td>
<td>Indiana</td>
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<td>9</td>
<td>Arkansas</td>
<td>61.02</td>
</tr>
<tr>
<td>10</td>
<td>Alabama</td>
<td>60.82</td>
</tr>
</tbody>
</table>
PLEASE REMEMBER, AND REMIND OTHERS, TO CLEAN OFF THE ENTIRE VEHICLE!! 😊

- Headlights
- Taillights
- Roof
- Hood
- Etc.

Failure to do so affects own visibility and others’ visibility.

Winter debris could cause damage to other vehicles!
Don’t Drive Shamrocked!

NHTSA free downloadable holiday and special event messaging for social media on

- Impaired driving
- Seatbelts
- Districted driving
- Etc.

trafficsafetymarketing.gov
Long term goal of zero fatalities but 2019 ended with 336 instead of goal of under 300.

Total lives lost increased by 21 compared to 2018.

Deadliest months were
- September (38)
- June and November (35 each)
- July (32)

Occupant Restraint
- 127 fatalities were buckled
- 93 unrestrained
- 29 unknown
- 87 not applicable (motorcycle, pedestrian, etc.)
Save the dates
April 21-22, 2020
Please mark your calendar and plan to join us in Altoona for the 30th Annual Governor’s Highway Traffic Safety Conference
The Meadows Events & Conference Center
Learn about traffic safety initiatives and network with colleagues and friends.

Online Registration - regcytes.extension.iastate.edu/gtsb/
• FREE 16 hour training for law enforcement officers

• Stepping stone between Standard Field Sobriety Testing and a Drug Recognition Expert (DRE)

• Course is limited to first 30 registrants

• Online registration can be found at https://dps.iowa.gov/divisions/commissioners-office/governors-traffic-safety/drug-evaluation

• For more information please contact Todd Olmstead, Statewide ARIDE Training Coordinator at Olmstead@dps.state.ia.us or 515-725-6122

### UPCOMING TRAININGS:

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<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>City</th>
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<tbody>
<tr>
<td>February 11-12, 2020</td>
<td>Audubon Fire &amp; Rescue Dept</td>
<td>Audubon</td>
</tr>
<tr>
<td>February 27-28, 2020</td>
<td>Linn County Sheriff’s Office</td>
<td>Cedar Rapids</td>
</tr>
<tr>
<td>March 11-12, 2020</td>
<td>Altoona Police Department</td>
<td>Altoona</td>
</tr>
<tr>
<td>March 24-25, 2020</td>
<td>Davenport Police Department</td>
<td>Davenport</td>
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<tr>
<td>April 9-10, 2020</td>
<td>Dubuque county Emergency Responder Training Facility</td>
<td>Dubuque</td>
</tr>
<tr>
<td>April 15-16, 2020</td>
<td>Decorah City Hall Council Chambers</td>
<td>Decorah</td>
</tr>
</tbody>
</table>
QUESTIONS?

Brandi Thompson
Program Administrator & MDST Manager
E-mail: thompson@dps.state.ia.us

IOWA GOVERNOR’S TRAFFIC SAFETY BUREAU
215 East 7th Street 515.725.6124
Des Moines, IA 50319-0248 FAX 515.725.6133
GENERAL DISCUSSIONS
General Discussion Topics

• Presentation Discussions
• Community Updates
  – News, projects, events, constructions, incidents, etc.
• Next Meeting Topics
  – 2020 TMAC topic suggestions
Traffic Incident Management (TIM) Training

**Free** Traffic Incident Management (TIM) Responder training

Register for sessions with City of Ames Deputy Fire Chief **Doug Allen** *(allen@dps.state.ia.us)* or Iowa State Patrol **Nate Ludwig** *(nludwig@dps.state.ia.us)*

Joint trainings with multiple agencies and multiple disciplines are preferred
## 2020 TMAC Topics

### Best Practices
- Emergency Vehicles Warning Best Practices
- Distracted Driving and Countermeasures
- Develop a Metro-wide Training Handout (Services Book) on Available Training to Provide to Metro Departments

### Construction
- Construction within the MPO Area and Continued Construction Updates
- Workzone Safety Initiatives
- Information on Planned Safety Improvements on Major Roadways

### Incident Response and Management
- Quick Clearance
- Better Local Agency Access to Traffic Cameras
- Sharing Resources for Incidents
- Lane Closure Management Across the Metro

### Infrastructure and Technology
- Outdated Infrastructure
- Connected Vehicles
- FirstNet

### Towing
- Towing Company Safety
- Towing Recovery Incentive Program (TRIP)
- Information and Sharing with Towing Companies
Next Meeting

Wednesday March 18, 2020 (Tentative)

10 AM

Polk County Emergency Management Center