General timeline of events

**Mid-to-late May**
Most roadways re-opened

**Mid-to-late June**
Most roadways re-opened

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**Late May**
Flooding returns
Parts of I-29, US 34, IA 2 and other roadways closed again

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**Mid-March**
Flooding begins
Parts of I-29, US 34, IA 2 and other roadways closed

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**2019 Flood Response & Recovery**
Iowa DOT / FHWA / ACEC Transportation Conference
September 11, 2019
M.J. “Charlie” Purcell, Project Delivery Division Director

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**NAME OF PRESENTATION**

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**NAME OF PRESENTATION**

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**DAMAGE ASSESSMENT**

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**DAMAGE ASSESSMENT**

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**U.S. 34**
- 2.0 Miles
  - Severe Roadway Damage
- 5.2 Miles
  - Severe Shoulder Damage
- 0.3 Mile
  - Minor Shoulder Damage
- 1,000’ Levee Breach, multiple contractors

**Iowa 2**
- 0.1 Mile
  - Severe Shoulder Damage
- 1.0 Mile
  - Minor Shoulder Damage
- Fast-tracked solution to prepare driving surface

**Interstate 29**
- U.S. 34 to Missouri
  - 4.3 Miles
    - Severe Roadway Damage
  - 7.0 Miles
    - Severe Shoulder Damage
  - 2.4 Miles
    - Minor Shoulder Damage
  - Severe damage north of Percival
  - Structural damage to Bridges at MM1.4 & MM 8.5

**Mobilize, Divide, Conquer**
- Roles and Responsibilities
- Working Groups
  - Emergency Relief funding
  - Resiliency
  - DOT/USACE Coordination
  - Public Relations
- Meetings
- Document the process: Flood Recovery Plan

**Communication & Coordination**
- Internal DOT Teams
  - Multi-state DOTS – IA, NE, KS, MO
  - FHWA
  - USACE
  - National Weather Service
  - Elected officials
  - Impacted towns/stakeholders
  - Emergency managers
  - First responders
  - General and traveling public
  - Consultants and contractors
  - Railroads
  - Local Levee Districts
  - Media

**Fast-tracked Recovery & Repairs**
- Empowered District forces
- Mobilizing, incentivizing contractors
- Leveraging technical assistance when needed

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  - Local Levee Districts
  - Media
GIS StoryMap

Flood Recovery Briefings

www.floods2019.iowa.gov

DOT Maps & Graphics

Social Media
I-29 Corridor
2D Hydraulic Model

Flooding near Nebraska City, March 31, 2019

Iowa 2
Overflow Structure

WHAT'S NEXT?

IA 2 OVERFLOW BRIDGE PROJECT CONCEPT

Conceptual Plan and Profile

- Remove Existing Levee
- Proposed Levee Tie-in
- Remove Existing Levee
- Existing Ground Line along Centerline of Roadway
- Future Ground Line
- New Pavement
- New Multi-span Bridge
- New Embankment
- Removal below existing Roadway

I-680 & I-29
Flexamat Betterment

WHAT'S NEXT?

Repairing Levee Breaches

Levee repair status map
FLOOD RECOVERY: A TEAM EFFORT

Keys to success
- Teamwork
- Focus on mobility
- Creative solutions
- Communication
- Risk management
- Hard work and determination

THANK YOU

SPECIAL THANKS TO