

# TOPICS FOR TODAY

Five Year Program -Bridge Focus

Project Scheduling System – Bridge  
related event dates

# 2018-2022 IOWA TRANSPORTATION IMPROVEMENT PROGRAM

**IOWA DOT**  
SMARTER | SIMPLER | CUSTOMER DRIVEN  
[www.iowadot.gov](http://www.iowadot.gov)



# MAJOR CATEGORIES:

4R : Interstate stewardship (Bridge and Roadway)

3R : Non- interstate roadway stewardship

BR : Non- interstate bridge stewardship

SR : Safety

NR : Non – interstate capacity enhancement

MI : Interstate capacity enhancement

# CATEGORY EXAMPLES

4R: Polk NE mixmaster

Polk I 35 Ankeny

Johnson I 80 / I 380 interchange

NR: Tama/Benton US 30

Dubuque US20/32

Plymouth US 75

Bypass—Lisbon/Mt Vernon

MI: Sioux City I 29

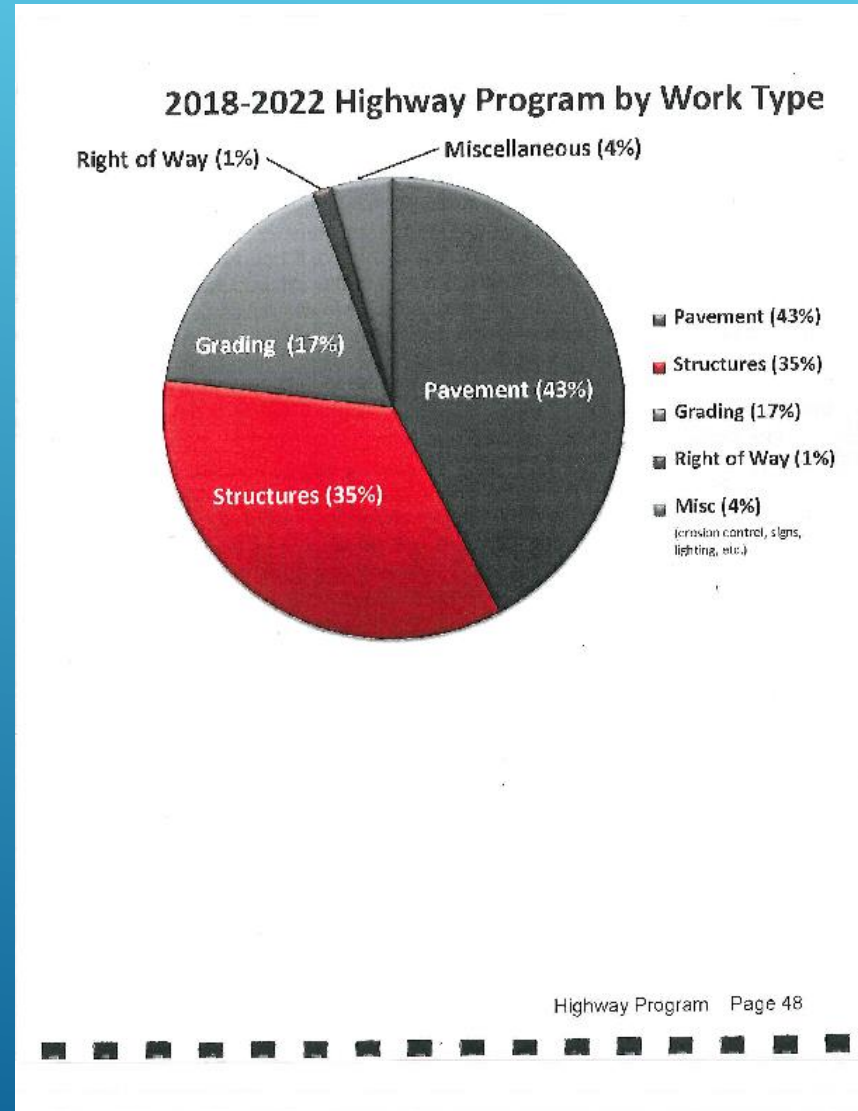
Council Bluffs I29/I80

Six laning of I 80 and I 35

BR: Replacements, overlays, and repairs

- ▶ Highway Program Ave
- ▶ \$650 to \$700 million/year

4R	\$170
3R	\$100
BR	\$60
SR	\$25
NR	\$150
MI	\$150



# BR FUNDING - A CLOSER LOOK

**2018—2022 Program Ave \$55 million**

15/20 replacements 25 overlays


**2023 \$100 million**

30 replacements 40 overlays

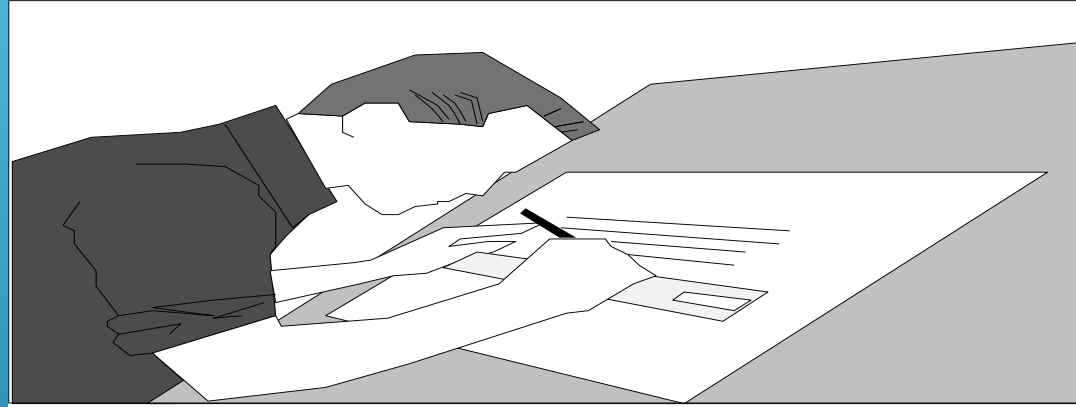
**Increase 10% per year after 2023**

**Larger replacements : \$8 million to \$10 million range**

# Innovations

- Modular bridges
  - Bridge slides
  - GRS abutments
  - Acrow bridge to maintain traffic
  - UHPC connection
  - UHPC overlays
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# PROJECT SCHEDULE UPDATE



## Statewide By District

Iowa Primary, Interstate Highway and other State Roads

\*Internal Working Document\*

Date: 04/05/2017

PSS DOCUMENT



# EVENT DATES

**Over 100 event dates identified:**

B Bridge (B0, B1, B2, B3, B4, B5)

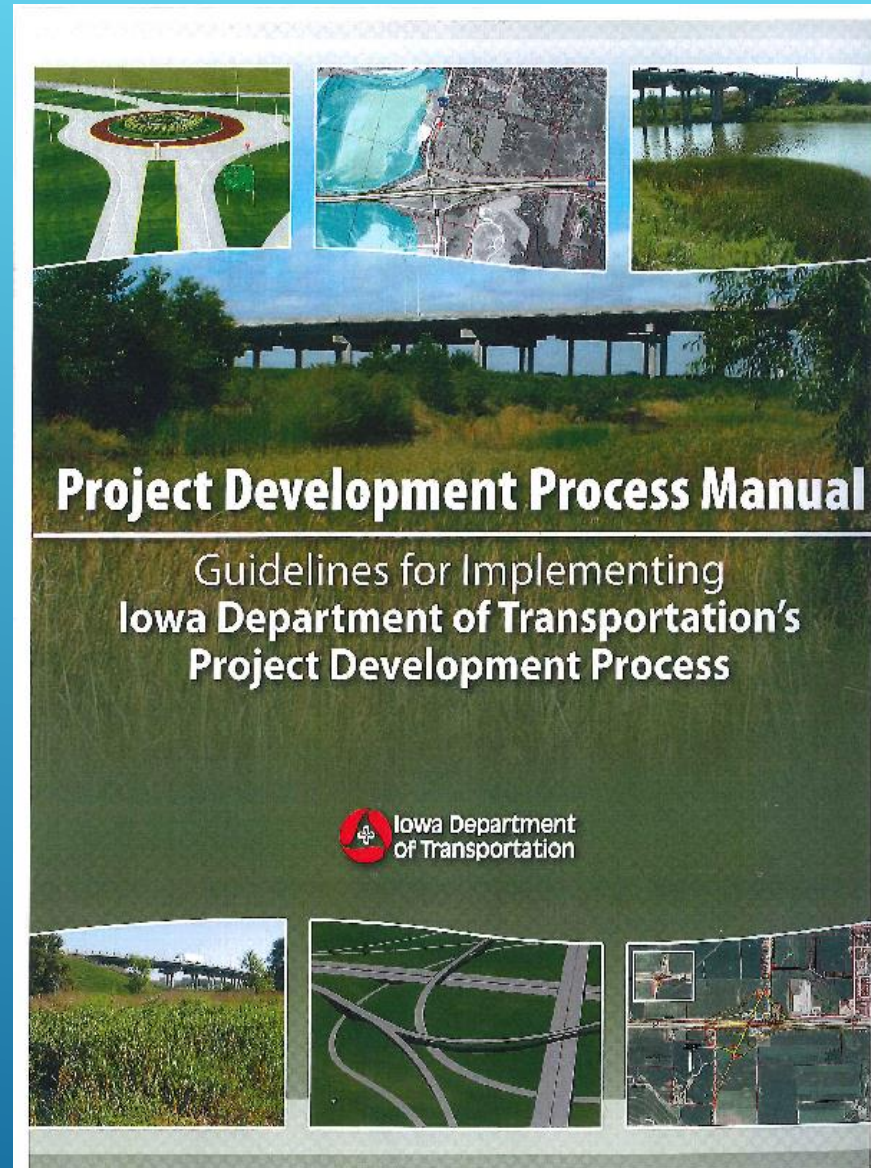
D Design (Road)

R ROW

S Soils

U utilities

ETC



# PROJECT DEVELOPMENT MANUAL

# EVENT DATE DEFINITION

- Action
- Purpose
- Input
- Output
- Affected Parties
- Responsible Office


# TIMING/COORDINATING EVENT DATES

- PMO template for Contract Development
- Utilize project schedule from PSS
- Distinguish Contract dates vs Schedule event dates
- Bridge contracts: 100 % Unapproved vs B3 event date
- Provide Draft event dates for review and comment


# PRELIMINARY ENGINEERING CONTRACT FOR BRIDGE REPLACEMENT

- Typically concept (D0) is complete.
- Preliminary Engineering requested to D5
- Includes D1, D2, D3, B1, B2, D5
- Submit B1/B2 same time as D3. Allows for review and comment prior to issuing B1
- B1 initiates S events and D5/ROW events
- S4 needed for final design. Include Draft S4 date for review

# FINAL ENGINEERING

- Typically Road Design utilizes same consultant for final roadway work
  - Bridge may keep final design in house
  - D4 date (draft) needed to complete in house design
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# STATUS UPDATE

- Meeting with DOT staff Bi-monthly
  - Discuss event date past due and upcoming
  - Update Bridge on status of all upcoming B events
  - S4 event status & D4 event status
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# FINAL THOUGHTS

- Resource for event date definition
- Contract to specify draft dates (submittal) for key events
- Provide bridge office status update on events.