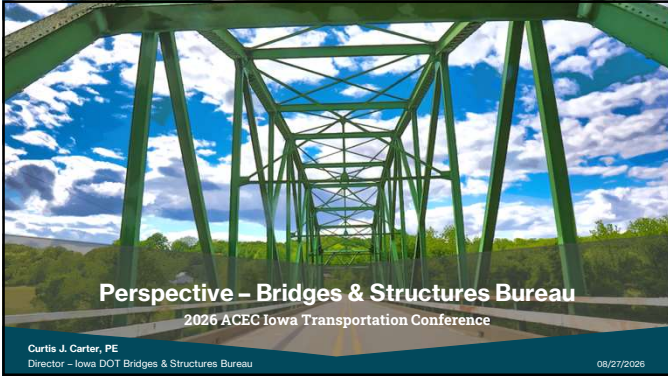
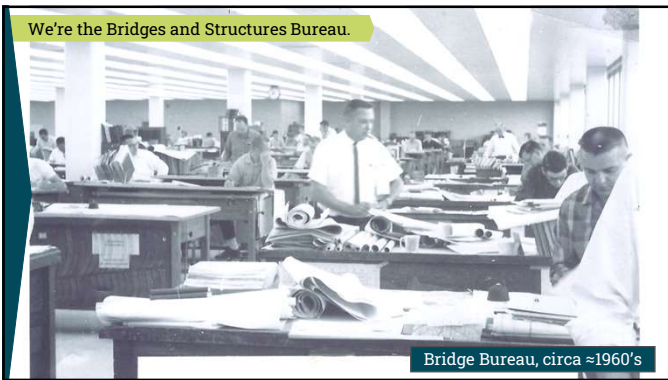
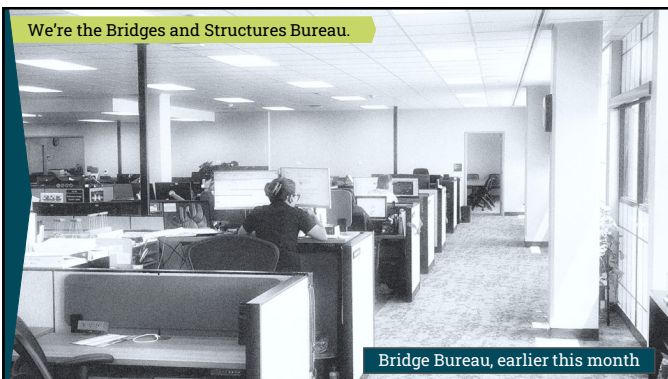










2

And we couldn't do it without you.

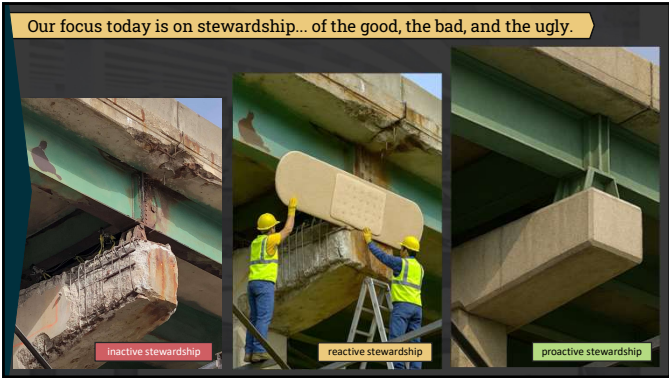




Together, we've built plenty of glamorous projects.

But let's not forget about the projects that aren't so glamorous...





Stewardship has many facets.

Bridges & Structures Bureau (CJC 07/31/26)

Major Bureau Functions	What do we seek to optimize, within available resources?
Planning & Prelim. Design	The projects we do.
Final Design	The deliverables we provide.
Consultant Coordination	The help we leverage.
Policy & Methods	The process we follow.
Inspection & Equip. Operation	Awareness and access to current inventory.
Rating & Permitting	Real-time safety assessment.
Asset Management	Cost-effective stewardship strategies.
Compliance & Oversight	Compliance with regulations.
Research & Innovation	Opportunity to improve everything we do.
Incident & Emergency Response	Tactical readiness.

Major Bureau Function	Common Roles
Planning & Prelim. Design	- Project candidacy & funding recommendations - Project conceptualizing, layout & permit coordination - Hydrologic & hydraulic engineering

2027-2031
IOWA TRANSPORTATION IMPROVEMENT PROGRAM

IOWA DOT
IOWA

We recommend projects for the 5-year program.

Major Bureau Function	Common Roles		
Planning & Prelim. Design	Project candidacy & funding recommendations	Project conceiving, layout & permit coordination	Hydrologic & hydraulic engineering



We help predict and mitigate things like this.

Major Bureau Function	Common Roles		
Final Design	Structural engineering	Independent design check	Modeling, detailing and plan development



We deliver projects that get you from here to there.

Major Bureau Function	Common Roles		
Final Design	Structural engineering	Independent design check	Modeling, detailing and plan development



We check our calculations.

Major Bureau Function

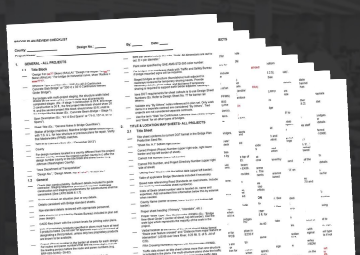
Consultant Coordination

Common Roles

Coordinate preim & final design support

Technical oversight & quality assurance

Project documentation & deliverable turn-in



Bridge & Culvert Plan Checklist

We enforce quality assurance processes for our deliverables.

Major Bureau Function

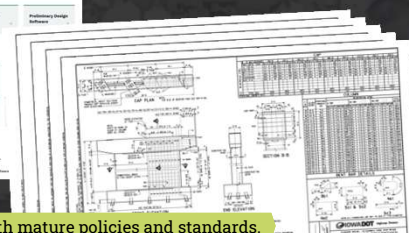
Policy & Methods

Common Roles

Bridge design manual, tools, & in-house programs

Software, automation & workflow support

Bridge aesthetics & special considerations



Bridges & Structures

We foster efficiency with mature policies and standards.

Major Bureau Function

Inspection & Equip. Operation

Common Roles

Annual or bi annual bridge condition inspection

Coordinate underwater inspection

Snooper truck operation



We maintain and operate a fleet of inspection equipment.

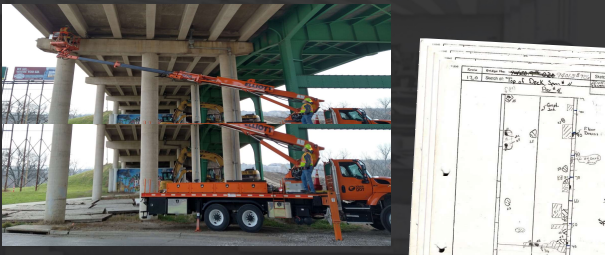


Major Bureau Function

Inspection & Equip. Operation

Common Roles

- Annual or bi-annual bridge condition inspection
- Coordinate underwater inspection
- Snagging truck operation



We thoroughly inspect our bridges on a two-year cycle, minimum.



Major Bureau Function

Rating & Permitting

Common Roles

- Condition-based structural rating
- Oversize/overweight permit evaluation
- Bridge load postings





We maintain current bridge ratings and evaluate overweight permits.

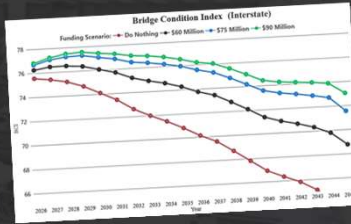


Major Bureau Function

Asset Management

Common Roles

- Detailed condition report
- Bridge condition modeling & forecasting
- Bridge preservation strategy



Bridge Inventory

Bridge Count	Good	Fair	Poor	Total
State	2,033	2,135	28	4,196
Counties	6,779	7,222	4,112	18,113
Cities	507	553	219	1,279
Total	9,319	9,910	4,359	23,588

We refine condition forecasts based on inventory data and deterioration trends.



Major Bureau Function	Common Roles
Compliance & Oversight	- Annual bridge inventory report - Oversight of UPA bridge inventory and rating - Statewide resource for drainage inquiries

Code of Federal Regulations

A point in time eCFR system

Subpart C—National Bridge Inspection Standards (NBIS)

Source: 87 FR 27429, May 6, 2022, unless otherwise noted.

§ 650.307 Bridge inspection organization responsibilities.

(a) Each State transportation department must perform, or cause to be performed, the proper inspection and evaluation of all highway bridges that are fully or partially located within that State's boundaries, except for bridges that are owned by Federal agencies or Tribal governments.



We hold oversight responsibility for state and local bridges.



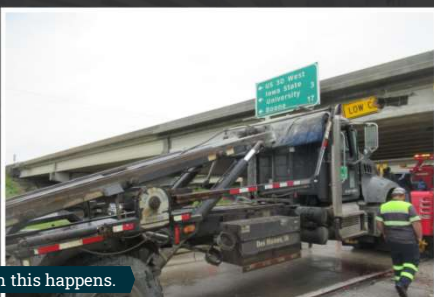
Major Bureau Function	Common Roles
Research & Innovation	- Pilot advanced materials & processes - Scope & guide research initiatives - Leverage grants & pooled fund resources



We're national leaders in bridge innovation and research.

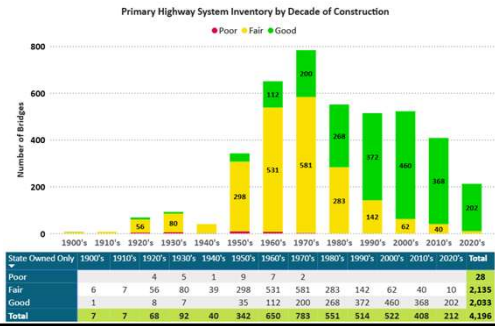


Major Bureau Function	Common Roles
Incident & Emergency Response	- Flood forecasting - Flood response & scour inspection - Bridge strikes & overheight impact response

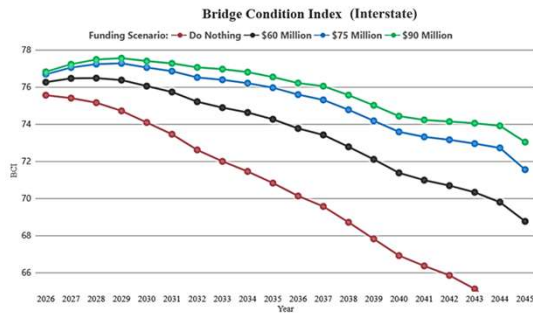


We're who you call when this happens.

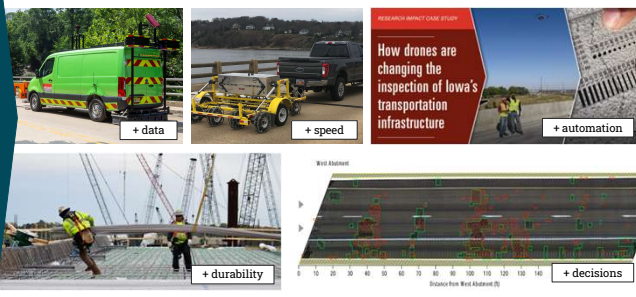
Today's reality is...

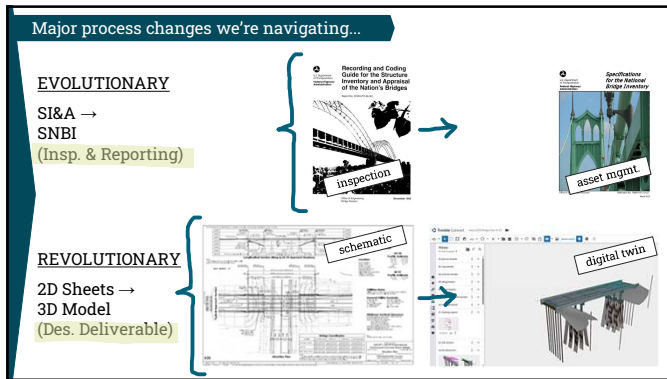


Our bridges need more help than we're funded for.



But we're constantly adapting to the challenge.





We ask for continued emphasis on the following...

- Proactive communication.
- Quality, customer-focused deliverables.
- Steadily improving standards & processes.
- Ingenuity (come to us with a solution, share your good ideas!)
- And of course... deliverables on time and on budget.







**Thanks for your time
and attention.**

Curtis J. Carter, PE
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