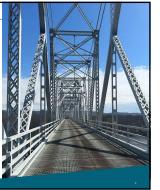




PROJECT PARTNERING EMERGENCY REPAIR RESPONSE OVERLAP OF TECH AND RELATIONSHIPS



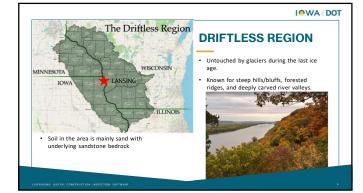




PROJECT DETAILS

Background

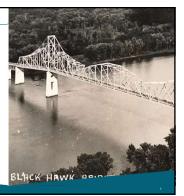


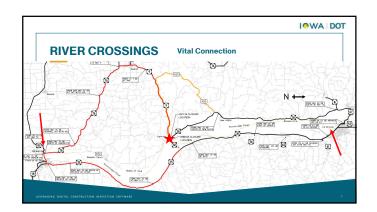


# IOWA DOT

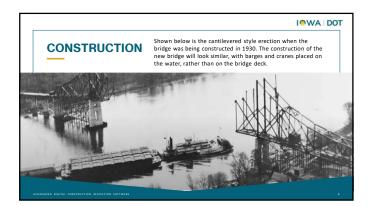
# HISTORICAL SIGNIFICANCE

- Built 1929 1931.
- Cantilever Through Truss.
  Originally a privately owned and or
- Originally a privately owned and operated toll bridge owned by the Iowa-Wisconsin Bridge Company.
- Closed from 1945 to 1957 due to damage from ice and the Bridge Company lacked the funds to repair.
- In 1957 lowa and Wisconsin repaired and reopened the bridge for a cost of \$1.3M.

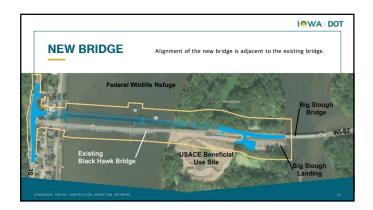




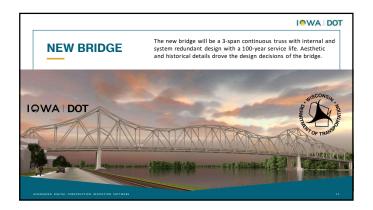
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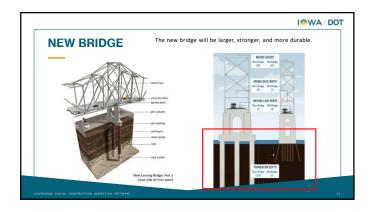


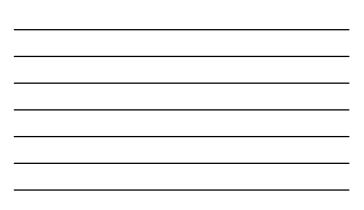


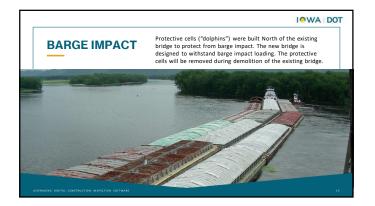


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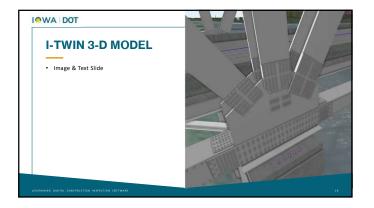


# PROJECT TECHNOLOGY

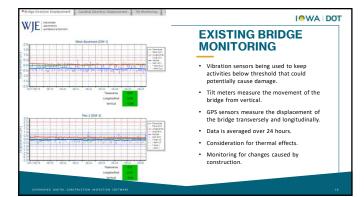
3-D Model Bridge Monitoring Instrumentation Drone Photography







# <image>



# PROJECT PARTNERING

Semi-Annual Meetings Partnering Ladder Risk Matrix Weekly Meetings Daily Field Collaboration



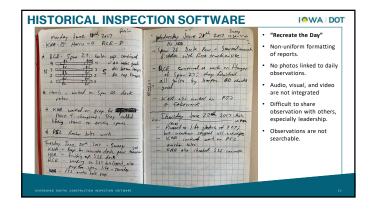
RISK	1	2	1	
ubsurface unknown's	x			PROJECT
Material supply	x			PARTNERING
High Water	x	-		FANTNENING
Patty Shack	x			
Steel Sub/Setup/FAB		X		<ul> <li>Partnering Ladder</li> </ul>
Procurement materials		X		- Farthering Lauder
Coordination of designers		X		Risk Matrix
Weather / rain / high water + flow / wind	x			
Safety		×		<ul> <li>Weekly Meetings</li> </ul>
Timely submittals + Review		×		<ul> <li>Daily Collaboration in the Field</li> </ul>
Vibration on existing BR		X		
High water		X		
Drilled shaft unknown's		X		
Pier 1 construction	x	-		
Rock Quality		X		
Impacts to Nav / River traffic		×		
Existing Structures		-	×	
Staffing - Contractor			x	
Subsurface conditions	x			
Steel fab schedule	3000		x	
Existing structure stability / integrity			x	
	_		x	

# IQWA DOT

# PROJECT INSPECTION

Construction Inspection Contract Payment Document Control Contract Modifications Schedule Review















			WORKING DAYS							
		20240021 IDR PDL 064 A-9 / WI-82 Mississippi River Bridge STP 009 6(84) - 2C 03 Betweeley, Avenuel 214 2021	Contract Time 550	Change	Coder Time Tabl	Central Time Ti 567	ne ta Dato Rem 130	459	% Remaining	Start 0
CONTRACTORS ON SITE			Onte		Day of the Weel		Type of Day		1.8 or 6.5 day?	
Contractors			08/21/2024		Wednesday		Working Day		1	
STALWORTH UNDERGROUND			RIVER GAUGE	_					_	_
KADILEX CONSTRUCTION, INC.			Date		Observed 1		River Gauge	<ul> <li></li></ul>	Commenta	
KRAEMER NORTH AMERICA, LLC			05/21/2024		12:00 PM		8.21		620.47	
HR SURVEYING			TODAYS NEATH	FE CONDI	DOM:					_
IOWA PLAINS SIGNING, INC.			Oete	Type	Procipitation (In.)	Conditions AM	Conditions PM	Temp. High	Temp. Low	Descrip
CAADY.			08/21/2024		0.00	dear	clear	75.0°F	54.0°F	
BT-05 AM STALMOOTH LANCEDFICIAL bridge monitoring process is reviewed and approved for vibratin BT25 AM image — Measuring of 15 boat, with survey rold for this image here for reference of original measurements.	g work to continue. depth checks around the pier. Neasuri	ng soour around Pier 3. Keeping	Preject Inspector Paul Lindsoy Reviewer Signatu Travia Kanda						Date August 21, 202 Date August 25, 202	
ETGE AM Image — Measuring off 18 boat, with survey rod for deared up for ease of reading on this image.	depth checks around the pier. Measuri	ng scour around Pier 3. Data	20240021 ЮЯ РОК	064   Paul	Lindery (Accurat 21.)	924				
BIGE AM Image — Casing settled three inches into the sand a temp casing. This number is the remaining casing above the tem								_		
85-48 AM Image - Progress at Pier 3 looting.			MITTA	_						_
10:00 AM STALWORTH UNDERGROUND Size Time Stalworth	has left the site for today.		1		terni 🕹	4. 4	New Image			727 41-0
12:00 PM HE SUTVEYING PREE2-SHAPE C PREE2 Survey actual vs planned.	Sile Time HR Surveying is onsite to st	root in shaft C permanent casing.	21	946 11 12 1			Measuring off 10° 8 Measuring securial original measurem		id for depth checks a ing this image here i	round the p ter reference
IT OT PM Amage - Mussel relocation. 1 of the 3 boars on site.			1.1.1	10.0	Store all	221.7	KRAEMER NORT	IN AMERICA, LL	Crowboot EX	STING PIEL
at 62 PM Image - Mussel relocation. 1 of the 3 boats on pile.			X X S	40.1	1	20. 20 40				
BTHE PH HE SURVEYING PIERS PIERS - SHAFT C SONTON 10 pick up resultment.	HR surveying is done at Ple	r 2 and heading to the lows side		20	le of	1				


IGITAL I	NSPE		IUI	NS	OFI	WARE				IOWA DOT
PERSOANES	No.74	Teg	Court	Hours	Total Bourn	E03PMENT Description	AbrPaca	NoOood	Unothers	Remarka
IONA PLANS SIGNING, NO.						KRAENER MORTH AMERICA, LLC				
Laborary	Weconsin		2	1.5		(Crane) Lampson Millennium 4100 (Ringer)	1	1		Pier 2 miscellaneous work
KR SUTVEYING						(Tugboat) James Farris (Newt Marine) Tugboat		1		Barge Maintenance
Surveyor	Weconsin		2	8		(Tugboat) Apple River Tugboat	1	1		Barge Maintenance
KRAENER NORTH AMERICA, LLC						Cruw boat	2	2		Transponden
Weconsin Carpenter	Mat S.		1		9	(Laader) Compilar 28903 Skid Laader	1	1	7	Moving spoils on the spoils barge
Weconon Carpenter	Dation		1	9	9	(Lift) Oprie 5-125 (Rental)		1	0	Sandty
	Brian		1			(Granet Manitryet: MLC165-1	1	1	2	Plor 4/ moving material & equipment
	Phi		1	9	9	(Expended) Caterpillar 348F		1	7	Excavation from spoils barge
Wecomin Operator	Gery		1	9	9	(Crane) Liebherr LR 1300 SX	1	1	2	Moving materials Equipment
	Ean		1	9	9	Foreman Tauta	3	3		Foreman truck
	Mark		1	9	9	Loaderi Caterpilar \$500C Pront End Loader	1	1		Moving pilots and materials topols
	Chad		1			(Crane) Manitewer: 10000		1		Pier 3 rebar movement
Weconsin Carpenter Foreman	Deb		1	9	9	STALWOITH UNDERGROUND				
	Matt H.		1			Drill Fligt Solime: SR-95		1	0	Sandy
Turboat Deckhand	Mba		1			(Experiator) Caterpillar 200 (Long Boom)	1	1		Standby
Tupboal Operator	Larry		1	0		KADILEX CONSTRUCTION, INC.				
Superintendent	Dale Kehoe		1		9	Foreman Truck		1		Foreman truck
	Powell		1	9	9	HR SORVEYING				
Waconsin Oller	Nek		1			Work Truck	1	1	3	Foreman truck
Wisconsin Laborer	Delan		1			IOWA PLAINS SIGNING, INC.				
Weconsin konworker Foreman	John		1	9	9	Werk Truck	1	1	1.5	Web Tuck
KADLEX CONSTRUCTION, INC.										
Ironwolker	Weconsin		7	8	56					
Waconsin Ironworker Foreman	Ubaldo		1							
STALWORTH UNDERGROUND										
Waconsin Oler	Astiny		1	5	3					
	Spencer		1	3	3					
Wisconsin Operator	Steve		1	2	2					
International Automotive Foreignan	Andrew		1	3	3					
	Denald		1	8	3				_	


# CONSTRUCTION PROGRESS

East Abutment Pier 4 Pier 5 Demonstration Drilled Shaft



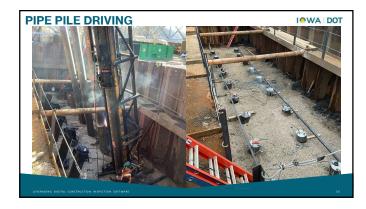
# CONSTRUCTION SCHEDULE

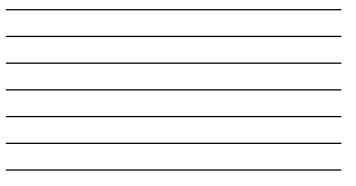
- Bid Date August 01, 2023
- Contract Award August 16, 2023
- Construction Start September 18, 2023
- New Bridge Open to Traffic November 2026 Demolition of Old Bridge - November 2026
- Project Complete October 2027
- Current Working Day Duration = 586 Days







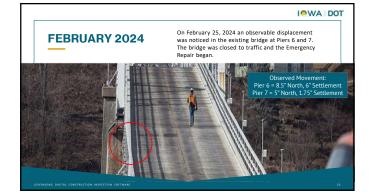






EMERGENCY REPAIR

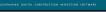




# CRITICAL RELATIONSHIPS & EMERGENCY RESPONSE

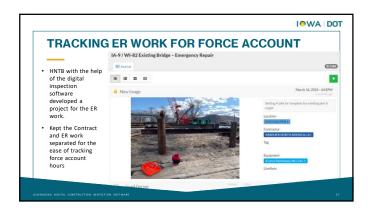
- Communicating with decision makers and stakeholders
- Rapid and informed decision making
- Understanding the gravity of the situation
- Leveraging pre-established relationships to expedite completion of the repair

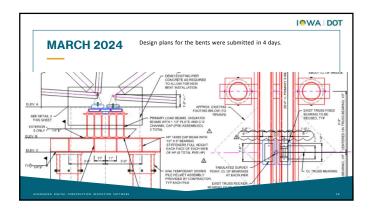






# IOWA DOT FEBRUARY 2024 Iowa DOT, CEI and Kraemer worked together to develop a repair plan. Kraemer to provide materials and construct temporary bents 1 50 WJE provided engineering for temporary bents. HNTB tracking ER work via force account













Communications Internal use by decision makers. External use for communication with the public.

Intro

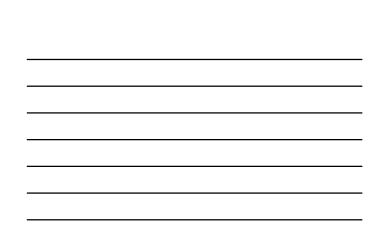
Get the scoop on the construction of a new Mississippi River crossing connecting Iowa and Wisconsin.

Page - Government organization
 IOWA DEPARTMENT OF TRANSPORTATION
 is responsible for this Page
 800 Lincoln Way, Ames, IA, United States, Iowa

(515) 239-1101
 DOT-lowa9bridge@iowadot.us
 iowadot.gov/lansingbridge

IOWA DOT

Repair work on the existing bridge is moving along at a great pacel Kraemer North Amelica his been working every day since the closure. They have removed the for one of the two new piers. The pictures and vision included in this post give you agood lock at the progress We are still on track to have the bridge repaired and safe for traffic by the end of April.







MARCH 2024

Kraemer drove all the pipe pile for temporary bents at Piers 6 and 7.
After installation of the pipe pile, the bent caps were constructed.

caps were constructed.

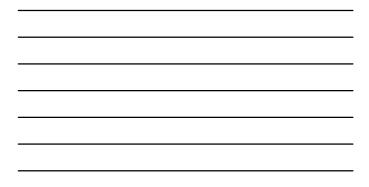














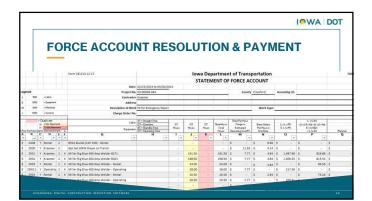
MISSISSIPPI RIVER BRIDGE AT LANSING TO REOPEN AT 11 A.M. TODAY Posted on: April 20, 2024

LANSING, Iowa – April 20, 2024 – Following repairs and rigorous safety testing, the existing Mississippi River Bridge connecting Lansing, Iowa, and Crawford County, Wisconsin, is expected to reopen at approximately 11 a.m. today.

The bridge has been closed since Feb. 25 after two of the piers moved, creating an unexpected buckle of the bridge. Our contracting partner, Kraemer North America, worked diligently to replace the piers. The new piers are supported by steel pipe pilings reaching more than 100 feet to bedrock compared to the previous pilings that were placed more than 90 years ago and reach approximately 40 feet deep.

The trusses removed and reset as part of the bridge pier repair project were inspected according to the National Bridge Inspection Standards. This inspection was performed by a qualified bridge inspector. The inspector was trained in the inspection of fracture-critical members and all other bridge components per national standards. No defects were found to restrict the reopening of the bridge to regular vehicular traffic.

GING DIGITAL CONSTRUCTION INSPECTION SOFTWARE



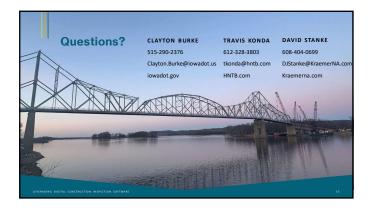




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# WHAT IS HEADLIGHT

- Cloud-based mobile platform that is highly configurable to meet your needs.
- Modern API-based platform that easily integrates with your systems.
- Interfaces designed to support your field and office teams in any location.



IOWA DOT

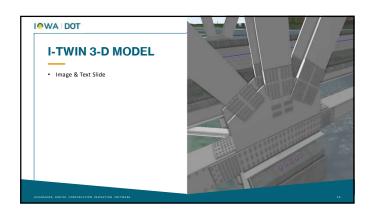


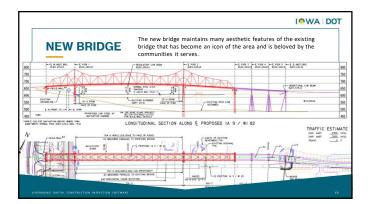
# IOWA DOT

# WHY HEADLIGHT

- Easy to use, visual source of truth for any project
- Connecting the office and field with real-time data
- Take action on insights with trusted data
- Observations become supporting documentation for payments, claims defense, and potential audits.











# **Headline Here**

- Image & Text Slide
- Text about your topic can go here. Make sure the image you use is related to the text.
   Use bullet points if you can.
  - Bullet points help break up your content, making it more digestible.
- Text about your topic can go here. Make sure the image you use is related to the text.
  Use bullet points if you can.
  Bullet points help break up your content, making it more digestible.







