



Innovative Project Delivery

December 6, 2024

SUBJECT: US 52 over Fox River - Written Determination

In accordance with the Innovations for Transportation Infrastructure Act (Act), the Bureau of Innovative Project Delivery (IPD) has conducted an analysis to determine the project delivery method deemed to be in the best interest of the State for the above captioned project.

The analysis included conducting a qualitative screening, a qualitative evaluation (Level 1) and a preliminary risk assessment (Level 3). The analysis concluded that Design-Build (DB) project delivery is in the best interest of the State.

The risks included in this Written Determination are preliminary and subject to change. A comprehensive risk assessment has been conducted separately and will be monitored and updated as the project progresses.

Bureau of Innovative Project Delivery



Written Determination

In accordance with the Innovations for Transportation Infrastructure Act (Act) and prior to commencing a procurement under the Act, the Bureau of Innovative Project Delivery (IPD) has conducted an analysis for the following project to determine the project delivery method deemed to be in the best interest of the State.

Project: US 52 over Fox River Bridge Project

The project is described together with the stated project goals in *Project Scoping Information Sheet*.

The project has been evaluated through the IPD Bureau's annual MYP gating process as described in Chapter 2 Project Identification and Screening and has been evaluated for readiness in accordance with Chapter 2.2 - Project Readiness and Selection Process of the IDOT Innovative Project Delivery Manual and Guidelines and has been found to be ready for CMGC, PDB, or DB procurement.

Through evaluation it is determined that it is in the best interest of the State to advance the Project using the following innovative project delivery method:

- CMGC Progressive Design-Build Design-Build

The following attachments are provided to support the analysis and results of this written determination:

- Project Scoping Information Sheet
- Qualitative Screening Form
- Level 1 Qualitative Evaluation Results
- Level 2 Quantitative Evaluation Results
- Level 3 Risk Assessment Worksheet
- Pre-Procurement Checklist



Project Scoping Information Sheet

The IPD Bureau will work with the Districts to populate the following form to document potential Candidate Project characteristics.

Additional items can be added to the bottom of the form to facilitate the Project candidacy determination.

This attachment can be referenced in the IDOT Innovative Project Delivery Manual and Guidelines, pg. 12.

US 52 over Fox River Bridge Project
Route: US 52
Location: Fox River to west of ILL 71
Estimated Construction Cost: \$7,600,000
Estimated Construction Duration: 2 years
Letting Date (as shown in the MYP assuming DBB delivery): FY26
Source(s) of Project Funding (as shown in the MYP assuming DBB delivery): Federal with State matching
Scope of Work - pavement, bridge, sound barriers, etc.: Bridge Replacement
Major Schedule Milestones (critical path elements that affect schedule or price): Environmental approval - SHPO concurrence
Major Project Stakeholders: IDOT
Major Obstacles (as applicable): Environmental approval
With Right of Way, Utilities, and/or Environmental Approvals: Environmental approval



US 52 over Fox River Bridge Project
During Construction Phase:
Main Identified Sources of Risk: Environmental approvals - SHPO approval. The bridge is a historic structure.
Brief Project Description: Remove and replace existing structure over the Fox River.
Project Specific Goals (accelerating delivery, minimizing cost, maximizing life cycle) Goal #1 Full bridge replacement Goal #2 - Minimize impact to the stream Goal #3 - Accelerated delivery



Qualitative Screening Form

Candidate Projects will typically exhibit the innovative delivery characteristics identified in the table below. For the initial screening during the MYP process, the District will populate each characteristic with a Yes or No only. If the project is considered for further development, the IPD Bureau and the District will collaboratively rate each characteristic applicable to a Candidate Project, provide a rating from 1 to 3 for how well the proposed project could benefit from any of the innovative delivery method characteristics compared to a traditional delivery method.

Rating Scale:

- 1 - Minimal benefits
- 2 - Moderate benefits
- 3 - Significant benefits

Provide any commentary that may be beneficial for reviewers in the comment’s column. All questions must be answered.

This attachment can be referenced in the IDOT Innovative Project Delivery Manual and Guidelines, pg. 12.

US 52 over Fox River Bridge Project			
Characteristic	Initial Assessment (Yes / No)	Rating	Comments
Expedites or “fast tracks” construction for accelerated delivery	Yes	3	Project will involve a detour which will accelerate delivery.
Uses of innovative design and construction techniques	Yes	2	Potentially, depending on SHPO requirements.
Is of sufficient size and complexity to effectively leverage private-sector innovation and expertise. Rating can apply to single project or bundled projects.	Yes	3	This project will replace existing structure over the Fox River.
Accelerates delivery by expediting utility relocations allowing flexibility to design for utility avoidance during construction	No	1	Minimal possiibly
Expedites contract award	Yes	2	
Exploits market conditions and increase competition from potential bidders	No	1	1
Total Score		12	Good candidate



Level 1 Results

The delivery method with the highest score indicates the recommended delivery method as a result of the Level 1 Assessment.

US 52 over Fox River Bridge Project			
DBB	CMGC	PDB	DB
47	48	55	66



Level 3 Risk Assessment Worksheet

Instructions

1. Provide a number for the risk
2. Provide a name for the risk
3. Assign a risk category for the risk
4. Provide a brief description of the risk
5. Select if the risk is an opportunity or a threat
6. Select a rating for the likely impact if the risk does occur (Low, Medium, High)
7. Select the preferred allocation of the risk (owner, contractor, third-party or shared)
8. Document how the project team intends to mitigate the risk impact
9. Add any notes from risk discussions
10. At the end rows can be unhidden or hidden to add/subtract rows as necessary

This attachment can be referenced in the IDOT Innovative Project Delivery Manual and Guidelines, pg. 16.

US 52 over Fox River Bridge Project								
1	2	3	4	5	6	7	8	9
RISK NUMBER	RISK NAME	RISK CATEGORY	RISK DESCRIPTION	OPPORTUNITY OR THREAT	IMPACT	RISK ALLOCATION	RESPONSE PLAN	NOTES
1	Adjacent Project Bridge Bundling	Procurement and Contracting	Adjacent US 34 over Little Indian Creek bridge project is a similar bridge replacement project identified for design build delivery with a similar targeted construction schedule.	Opportunity	High	Owner	Bundling of similar adjacent projects can provide opportunities for IDOT and the contractor through potential increased efficiency in the procurement and design-build processes.	
2	Existing ROW Easement between Adjacent Landowners	Right of Way	Project will have to navigate a complicated easement arrangement between landowners	Threat	High	Owner	-On the southeast side, there exists an easement for a landlocked property to access US52 and the adjacent Silverleaf resort property. Proposed ROW would likely conflict with this easement. -IDOT should start coordination now to determine the extent of the easement, and develop potential solutions prior to beginning the procurement.	



US 52 over Fox River Bridge Project

1	2	3	4	5	6	7	8	9
RISK NUMBER	RISK NAME	RISK CATEGORY	RISK DESCRIPTION	OPPORTUNITY OR THREAT	IMPACT	RISK ALLOCATION	RESPONSE PLAN	NOTES
3	Scope Definition	Procurement and Contracting	Project scope and contract requirements not clearly defined in the RFP to receive best value bids using DB delivery.	Threat	High	Owner	- IDOT needs to fully define the scope to get the product they want. - IDOT to evaluate referenced manuals and guides to ensure that the Technical Requirements will precipitate the desired final product.	
4	Target and Encourage Small Business Initiative (SBI) / DBE participation	Procurement and Contracting	Opportunity to engage local area contractors in the DB process.	Opportunity	High	Owner	- Work with contracting community to define project goals and expectations. - Explain roles and responsibilities to deliver the project as a DB as part of a coordinated outreach program with industry.	
5	Promote and Build Confidence in DB Delivery	Procurement and Contracting	Opportunity for IDOT to establish DB as a delivery method of choice for this and future projects.	Opportunity	High	Owner	- Engage IDOT staff and industry in trainings and workshops to promote and build confidence in the benefits of the DB process (i.e. best value, cost certainty, accelerated delivery, ability to balance risks) and to build confidence in DB program to procurement future DB projects.	- The intent is to use the DB process to allocate risks to the party best positioned to manage the risk to help accelerate delivery of the project.
6	Increased Maintenance Burden	Operations and Maintenance	The DB Contractor could propose solutions that require more frequent maintenance schedules or atypical maintenance scope of work.	Threat	High	Owner	- IDOT to be deliberate in their approach during the development of the procurement documents to preclude unwanted materials/methods that result in unwanted maintenance. - District and procurement engineer should carefully evaluate ATCs to ensure that there are no undesired maintenance impacts proposed.	