

# Stakeholder Workshop

## Wisconsin Design-Build Implementation

November 2020





# 1. Welcome

# WisDOT Design-Build Project Overview

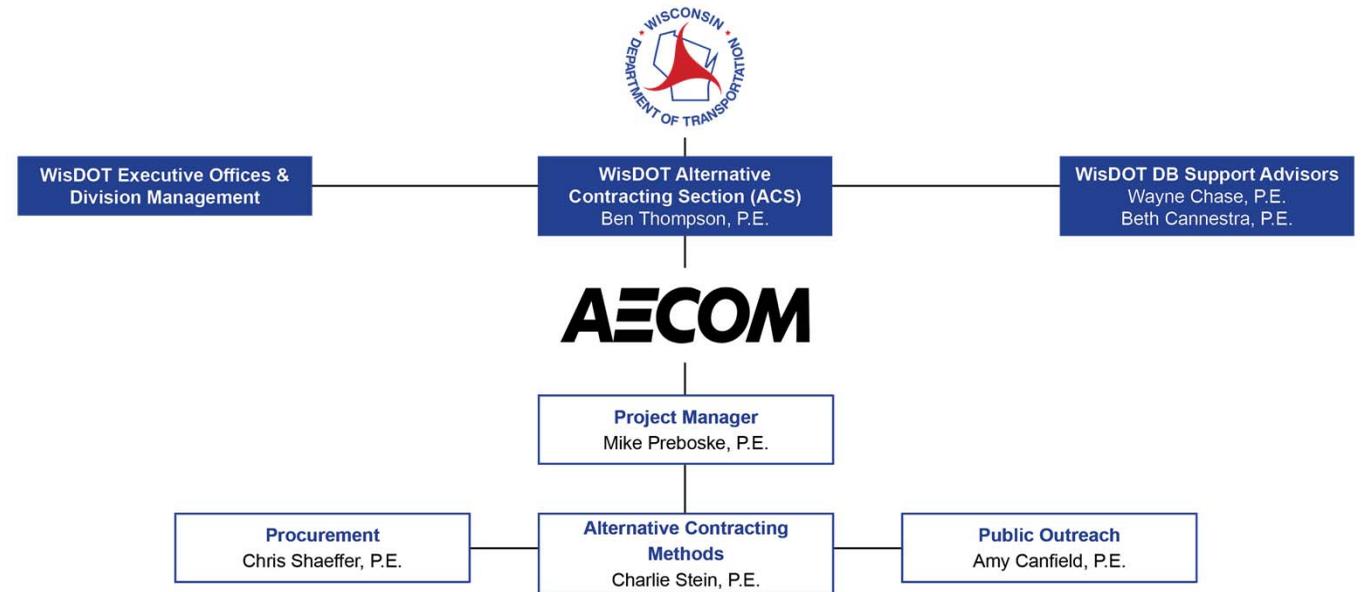
## Implementing design-build contracting of transportation projects in the State of Wisconsin

- Set procedures and requirements for design-build procurement
- Inform and engage stakeholders through outreach forums
- Develop selection criteria and apply to construction program to identify candidate projects
- Develop manuals, tools, and forms to support implementation
- First design-build project(s) to begin procurement in 2021

# WisDOT Design-Build Project Overview

## Team Organization

- New WisDOT Alternative Contracting Section
- AECOM team is developing the project deliverables



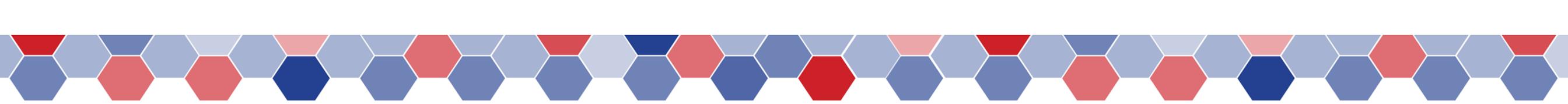
- WisDOT Key Contributors and Reviewers**
- Office of General Counsel (OGC)  
WisDOT Statewide Bureaus
- Office of Business Opportunity & Equity Compliance
  - Bureau of Highway Maintenance
  - Bureau of Structures
  - Bureau of Project Development
  - Bureau of Traffic Operations
  - Bureau of Technical Services

- Key External Stakeholders**
- Federal Highway Administration (FHWA)  
Regulatory Agencies
- Wisconsin Department of Natural Resources (WDNR)
  - U.S. Fish and Wildlife Service (USFWS)
  - U.S. Army Corps of Engineers (USACE)
  - State Historic Preservation Office (SHPO)
- Industry Organizations
- American Council of Engineering Companies (ACEC)
  - Wisconsin Transportation Builders Association (WTBA)
- Engineers and Consultants  
Contractor/Development Entity

# WisDOT Design-Build Project Overview

## Scope and Objectives

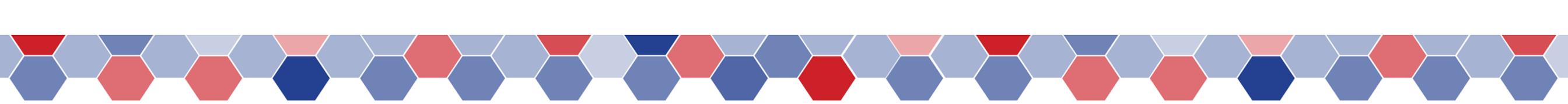
- Design Build Manual and Guidelines
- Project Screening and Selection Procedures
- Program Management Information System
- Stakeholder Outreach Plan
- Request for Qualifications (RFQ) Template
- Request for Proposals (RFP) Template
- RFQ and RFP Evaluation Manual



## 2. Workshop Agenda

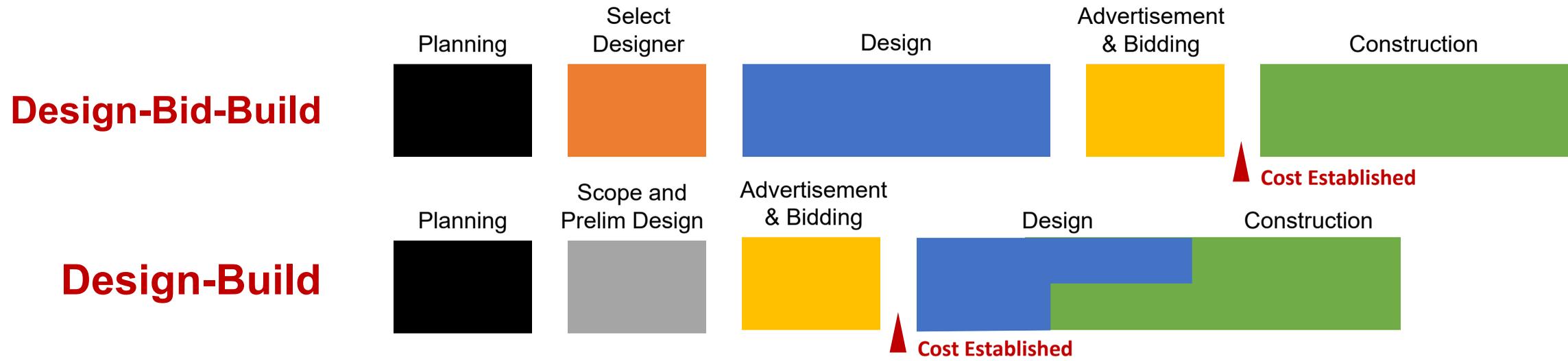
# Agenda

1. Welcome
2. Agenda Overview
3. Basics of Design-Build Contracting
4. Proposed Design-Build Process
  1. Phase 1: RFQ
    - Questions & Discussion
  2. Phase 2: RFP
    - Questions & Discussion
5. Potential Initial Design-Build Projects for Wisconsin
  - Questions & Discussion
6. Next Steps



# 3. Basics of Design-Build Procurement

# Delivery Comparison



# Design-Build Overview

## Advantages

- Expedited schedule
- Overlap of design and construction phases
- Encourages innovation

## Disadvantages

- Less owner control over final product
- Learning curve for new approach of executing projects



# 4. Proposed WisDOT Design-Build Process

# Two-Phase Procurement

## **Phase 1 – Request for Qualifications (RFQ)**

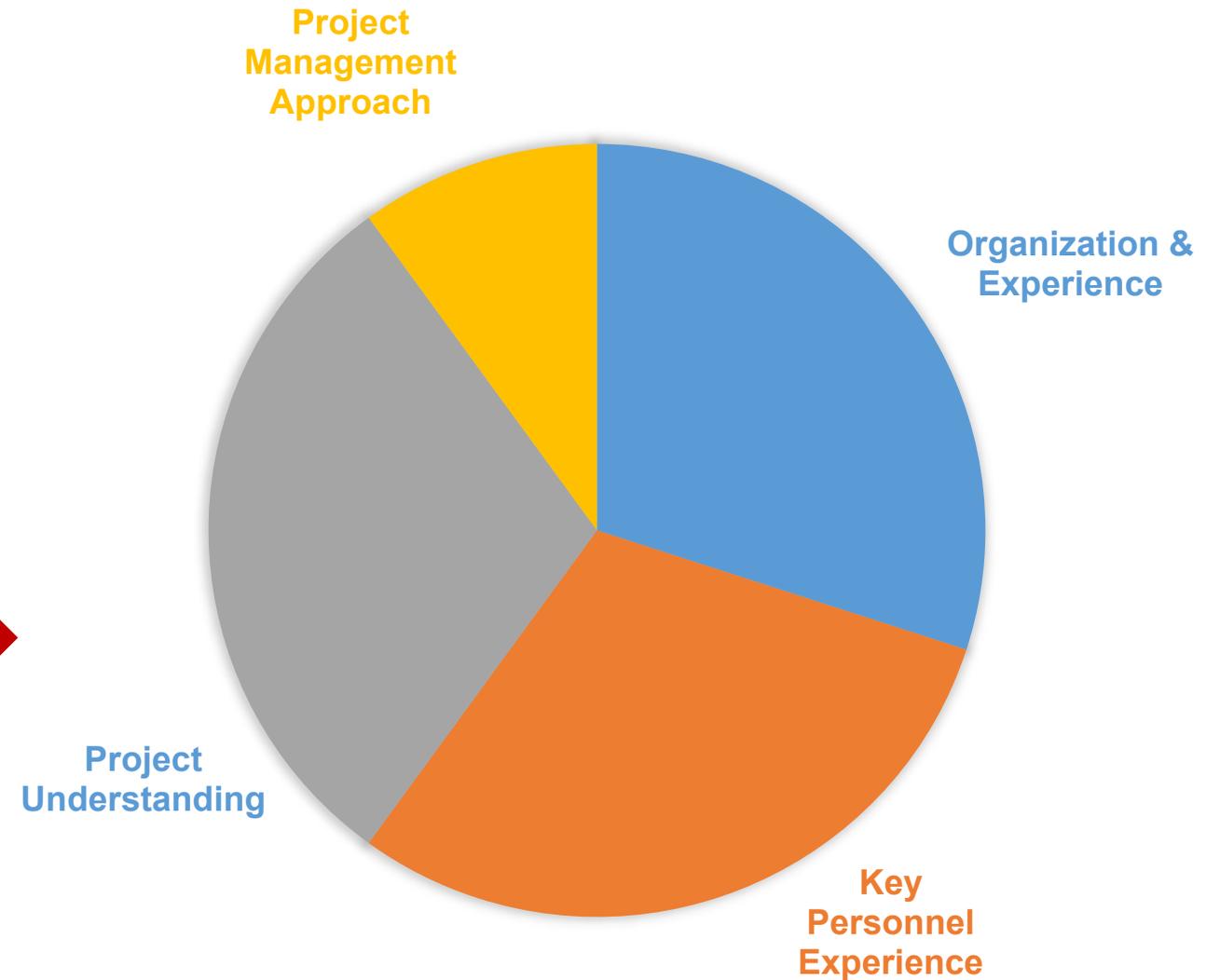
Prequalifies design-build teams to be eligible to submit proposals and bids during the RFP phase.

## **Phase 2 – Request for Proposals (RFP)**

Details the requirements and criteria for shortlisted design-build teams to develop their proposals and bids. Defines the final design requirements.

# PHASE 1: RFQ

- Project Goals
- Scope of Work
- Project Schedule
- Qualification Requirements
- **Selection Criteria**



## *RFQ & Team Building Questions*

What considerations are being made for DBE and small businesses?



# PHASE 2: RFP Contents

## Instructions to Proposers (ITP)

Book 1

Book 2

Book 3

Reference Information  
Documents (RID)

- Procurement schedule
- Alternative Technical Concept (ATC) process
- Technical proposal content and delivery instructions
- Stipend information

# RFP Contents

## Instructions to Proposers (ITP)

### Book 1

### Book 2

### Book 3

## Reference Information Documents (RID)

## Contract Terms and Conditions

- Legal information
- Obligations of the design-builder
- Completion deadlines and liquidated damages
- Subcontracting requirements
- Insurance requirements
- Shared risk items
- Change order process
- Warranty and maintenance

# RFP Contents

## Instructions to Proposers (ITP)

### Book 1

### Book 2

### Book 3

## Reference Information Documents (RID)

## Project Requirements

- Section 1 – General
- Section 2 – Project Management
- Section 3 – Public Information
- Section 4 – Environmental Compliance
- Section 5 – Third Party Agreements
- Section 6 – Utilities
- Section 7 – Right of Way
- Section 8 – Geotechnical
- Section 9 – Land Surveying
- Section 10 – Grading
- Section 11 – Roadway
- Section 12 – Drainage
- Section 13 – Structures
- Section 14 – Landscaping
- Section 15 – Aesthetics
- Section 16 – Signing, Pavement Marking, Signalization, and Lighting
- Section 17 – ITS
- Section 18 – Maintenance of Traffic
- Section 19 – Project Maintenance
- Section 20 – Pedestrian Facilities
- Section 21 - Railroad

# RFP Contents

Instructions to Proposers (ITP)

Book 1

Book 2

**Book 3**

Reference Information  
Documents (RID)

## Applicable Standards

- Lists of standards
- Unique special provisions

# RFP Contents

Instructions to Proposers (ITP)

Book 1

Book 2

Book 3

Reference Information  
Documents (RID)

## Non-Contractual Information

- As-built plans
- Concept plans
- Utility information
- Geotechnical reports

# Procurement

## One-on-One Meetings

- Confidential meetings where the design-builder can ask clarification questions about the project.
- Answers to clarification questions will be made public for all teams
- Answers to confidential questions will be provided only to the team asking the question.

## Contractor Inquiries

- Design-builder may submit clarification questions through the WisDOT system.
- All responses will be made public.

# Alternative Technical Concepts (ATCs)

## Overview

- Proposal submitted prior to letting that is a variance from the project requirements.
- Generally based on design-builder's previous experience or area of expertise.
- Promotes efficiency and cost savings while still meeting the overall goals of the project
- Can define a maximum number of ATCs.

## Common ATC Responses

- Approved
- Conditionally Approved
- Not Approved in Current Form
- Not Approved
- Not an ATC

**CONFIDENTIAL**

# Selection: Letting

## Technical Proposal

- Design and Construction Prequalification assignments
- Alternative Technical Concepts (ATCs)
- Stipend Agreements
- Defined criteria and submittals included in the ITP that will be scored
- Technical proposals will be scored and then priced proposals will be opened

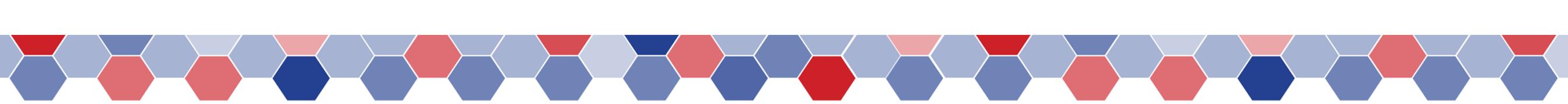
## Price Proposal

- Electronically submitted price for completing all work.

# *RFP Questions*

Will WisDOT be utilizing best value selection?





# 5. Design-Build Project Selection

# Design-Build Potential Projects Selection Process

## **Filtered WisDOT Program to focus initial project list**

- Limit project risks
  - Well-defined project scope
  - Limit environmental risks
- Opportunities for innovation or projected benefits from early contractor involvement
- Projects currently early in the design process

## **Federal Highway Administration Alternative Contracting Evaluation Tool**

- Rank projects in terms of potential design-build benefits and risks

# Potential Initial Design-Build Projects

- List currently contains 28 projects
- Funding
  - Still analyzing impacts of potential projects to WisDOT Program
  - Budget impacts of COVID-19
  - Working to maintain the existing program for 2021
  - Completing more in-depth risk analyses for projects on the list
- Hope to choose one roadway and one bridge project for the first two projects

# Potential Initial Design-Build Projects (part 1 of 3)

ESTIMATE_SCHD_SFY	SUB_PGM	CNCP_CD	PROJECT	Region	COUNTY	ROUTEID	ROUTE NO	TITLE	CONCEPT	NMILES	PMILES	BRIDGE_COUNT
2024	303	BRRPLE	7575-01-80	SW-Lax	LA CROSSE	STH	016	LACROSSE - SPARTA	CONST/REPLACE STRUCTURE B-32-244	1.41	0	4
2025	303	BRRPL	4010-26-71	NE-GB	SHEBOYGAN	STH	028	V. OF CASCADE N. BRANCH MIL RIVER	CONST/BRRPL CULVERT REPLACE	0.086	0	0
2025	303	BRRPL	1170-22-70	NC - Rhinelander	VILAS	USH	051	MINOCQUA - MANITOWISH	CONST/BRIDGE REPLACEMENT	0.04	0.04	1
2025	303	BRRPL	6526-00-71	NE-GB	OUTAGAMIE	STH	125	T. GRAND CHUTE COLLEGE AVE	CONSTRUCTION/REPLACEMENT	0	0	1
2025	303	PVRPLA	5060-00-77	SW-Lax	SAUCON	STH	023	REEDSBURG - WISCONSIN DELLS	CONST/ PAVE REPLACE	7.327	0	2
2025	303	PVRPLA	6340-00-74	NC-Wis Rapids	PORTAGE	STH	013	RUDOLPH - MARSHFIELD	CONST/PV RPLCMT	6.444	0	1
2026	303	BRRPL	4010-28-71	NE-GB	SHEBOYGAN	STH	028	WALDO - SHEBOYGAN FALLS	C-59-0116	0.422	0	0
2026	303	BRRPL	1610-02-73	NW-EC	CLARK	STH	013	ABBOTSFORD - MEDFORD	CONSTRUCTION/BRIDGE REPLACEMENT	0.023	0	2
2026	303	BRRPL	4540-34-71	NE-GB	SHEBOYGAN	STH	032	CEDAR GROVE - SHEBOYGAN FALLS	C-59-0093 2650 2916 0080	10.07	0	2
2026	303	BRRPL	1021-01-79	NW-EC	DUNN	IH	094	BALDWIN - MENOMONIE	CONSTRUCTION/BRIDGE REPLACEMENT	0.03	0	1
2026	303	RECST	1706-03-72	SW - Mad	LAFAYETTE	STH	011	SHULLSBURG - MONROE	CONST/ IMPROVE INTERSECTION	0.314	0	0
2026	303	RECST	1690-04-73	SW - Mad	GREEN	STH	069	MONROE - NEW GLARUS	CONST/IMPROVE INTERSECTIONS B-23-23	0.321	0	1

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# Potential Initial Design-Build Projects (part 2 of 3)

ESTIMATE_SCHD_SFY	SUB_PGM	CNCP_CD	PROJECT	Region	COUNTY	ROUTEID	ROUTE NO	TITLE	CONCEPT	NMILES	PMILES	BRIDGE_COUNT
2026	303	PVRPLA	1140-00-77	NC-Wis Rapids	WAUPACA	USH	045	MANCHESTER - CLINTONVILLE	CONST/PAVEMENT REPLACEMENT	7.49	7.49	5
2026	303	BRRPL	1090-32-70	SE - Waukesha	MILWAUKEE	IH	043	IH 43 AIRPORT FREEWAY	CONST/BRIDGE REPLACEMENT	0	0	2
2026	303	BRRPL	7140-00-82	SW - Lax	LA CROSSE	STH	035	LACROSSE - TREMPLEAU	CONST/ BRIDGE REPLACEMENTS	0.38	0	2
2026	303	RECST	2040-15-73	SE - Waukesha	MILWAUKEE	STH	100	STH 100 LOVERS LANE	CONST/RECONSTRUCT PRESERVATION	2.7	0	1
2027	303	BRRPL	4430-22-71	NE - GB	DODGE	STH	042	ALGOMA - STURGEON BAY	C-5-3254 3252	1.908	0	1
2027	303	BRRPL	3180-03-71	SE - Waukesha	WALWORTH	STH	120	ILLINOIS - LAKE GENEVA	CONST/BRIDGE REPLACEMENT	0.003	0	1
2027	303	RECST	2390-12-70	SE - Waukesha	RACINE	STH	031	GREEN BAY RD C RACINE/V MT PLEASNT	CONST/RECONSTRUCTION	1.51	0	0
2027	303	BRRPL	5770-01-71	SW - Lax	RICHLAND	STH	130	STH 23 - LONE ROCK	CONST OPS/RDWWY & STRUC REPLACEMENT	0.7	0	3
2028	303	BRRPL	8600-08-74	NW - EC	CHIPPEWA	STH	178	CHIPPEWA FALLS - CORNELL	CONSTRUCTION/BRIDGE REPLACEMENT	0.05	0	1
2028	303	PVRPLA	1600-15-70	NC-Wis Rapids	WAUPACA	USH	045	CLINTONVILLE - WITTENBERG	CONST/PVRPLA	8.03	8.03	2

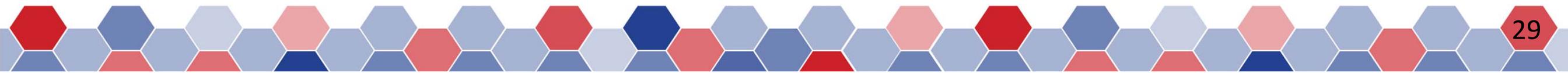
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# Potential Initial Design-Build Projects (part 3 of 3)

ESTIMATE_SCHD_SFY	SUB_PGM	CNCP_CD	PROJECT	Region	COUNTY	ROUTEID	ROUTE NO	TITLE	CONCEPT	NMILES	PMILES	BRIDGE_COUNT
2028	303	BRRPL	1111-03-83	SW - Mad	COLUMBIA	USH	151	SUN PRAIRIE - BEAVER DAM	CONST/REPL DECK B11-77; REPL B11-86	0.017	0	2
2029	303	PVRPLA	1196-01-72	NW-Sup	WASHBURN	USH	053	MINONG - SOLON SPRINGS	CONSTRUCTION/PAVEMENT REPLACEMENT	4.89	0	1
2029	303	PVRPLA	1020-06-74	NW - EC	ST. CROIX	IH	094	HUDSON - MENOMONIE	CONSTRUCTION/PAVEMENT REPLACEMENT	5.63	0	2
2029	303	BRRPL	4994-07-71	NE-GB	WISCONSIN	LOCAL	STR	OREGON/JACKSON ST. C OF OSHKOSH	CONST/BRIDGE REPLACE	0.1	0	0
2030	303	RECST	6085-02-73	SW - Mad	DANE	STH	019	WAUNAKEE - SUN PRAIRIE	CONST/RECST INTERSECTION & SIGNALS	0.43	0	0
2030	303	PVRPLA	5360-01-73	SW-Mad	ROCK	STH	026	C JANESVILLE CENTERWAY & MILTON AVE	CONST/PAVEMENT REPLACEMENT	1.83	0	0

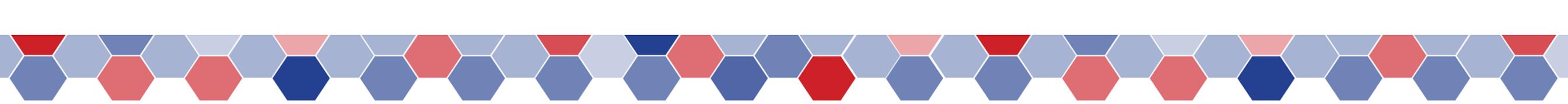
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# *Project Selection Questions*

Will local program projects be let with design-build procurement?





# 6. Next Steps

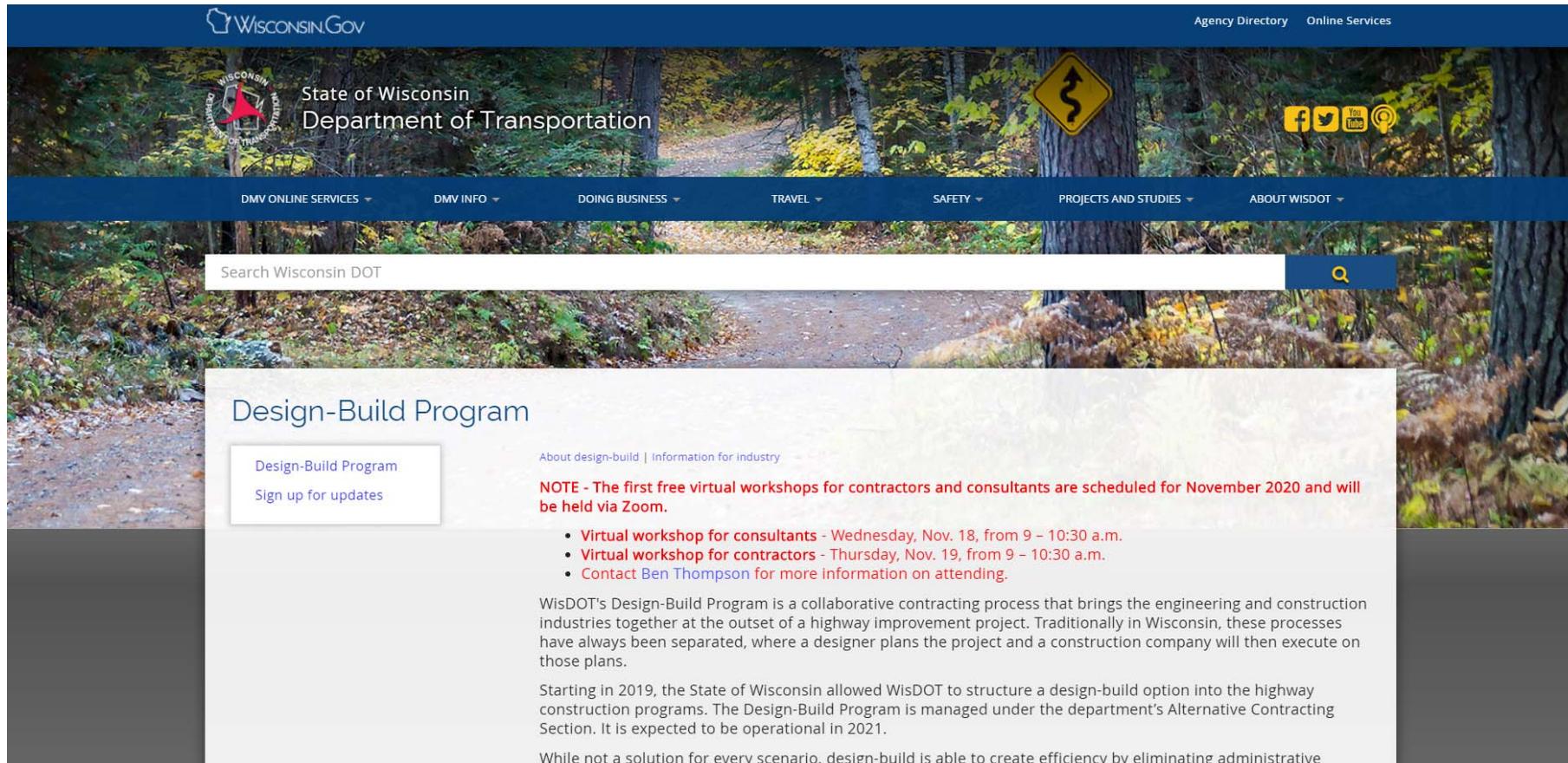
# Deliverables & Outreach Opportunities

Task	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Operational Planning Meeting (OPM)	█							
One-on-One Meetings – External Stakeholders		█						
Email Notification – External Stakeholders	█	█						
Online Survey #1 (Consultants) & Online Survey #2 (Contractors)				█				
Workshop #1 – External Stakeholders (WTBA + Contractors)					█			
Workshop #2 – External Stakeholders (ACEC + Consultants)					█			
Workshop – Regulatory Agencies						█		
Workshop – WisDOT Bureaus						█		
Workshop – WisDOT Management						█		
Workshop #3 – External Stakeholders (WTBA + Contractors)							█	█
Workshop #4 – External Stakeholders (ACEC + Consultants)							█	█

- Stakeholder Outreach Plan – July 2020
- Project Management Plan - August 2020
- Project Screening Tool – November 2020
- RFQ Template – November 2020
- RFP Template – December 2020
- DB Manual – December 2020
- Final Process Guide/Manual - February 2021



# Visit the website for more information



The screenshot shows the Wisconsin Department of Transportation website. The header includes the Wisconsin state logo and the text "WISCONSIN.GOV" on the left, and "Agency Directory" and "Online Services" on the right. Below the header is a navigation bar with menu items: "DMV ONLINE SERVICES", "DMV INFO", "DOING BUSINESS", "TRAVEL", "SAFETY", "PROJECTS AND STUDIES", and "ABOUT WISDOT". A search bar is located below the navigation bar. The main content area features a large image of a forest path. The "Design-Build Program" section is highlighted, containing a sub-section "Design-Build Program" with a "Sign up for updates" button. A note states: "NOTE - The first free virtual workshops for contractors and consultants are scheduled for November 2020 and will be held via Zoom." Below this note is a list of workshop dates: "Virtual workshop for consultants - Wednesday, Nov. 18, from 9 - 10:30 a.m." and "Virtual workshop for contractors - Thursday, Nov. 19, from 9 - 10:30 a.m." The text also includes a link to "Contact Ben Thompson for more information on attending." A paragraph describes the Design-Build Program as a collaborative contracting process. Another paragraph states that starting in 2019, the State of Wisconsin allowed WisDOT to structure a design-build option into highway construction programs, managed under the Alternative Contracting Section, expected to be operational in 2021. A final sentence notes that while not a solution for every scenario, design-build can create efficiency by eliminating administrative

[wisconsindot.gov/designbuild](https://wisconsindot.gov/designbuild)