



Post-Letting Informational Meeting

October 20, 2010
11:00 a.m.



Agenda

1. Welcome/Introductions
2. Recent Project Events
3. Proposal for Design-Build Process
4. Next Steps
5. Questions & Answers



Introductions

Project Managers:

KYTC: Andy Barber (Louisville)

INDOT: Kevin Hetrick (Indianapolis) and
Jason Bunselmeier (Seymour)

FHWA: Eryn Fletcher (Indianapolis)



Introductions

Project Managers:

Consultant Team:

Aaron Stover, Michael Baker Corp. (Louisville)

team leader, design reviews, CEI

Harry Fox, Wilbur Smith (Indianapolis)

design reviews, CEI, environmental QA, public involvement

Kathy Francis, Doe Anderson (Louisville)

public involvement & media coordination



What is Design-Build?

Design-Build is a condensed alternative to the standard Design-Bid-Build sequence.

The contractor team is responsible for design activities, with review and oversight from M3T.

Early activities can be fully designed and construction started while later activities are still under development.



Recent Project Events

Feb-Mar 2010

- NEPA and 106 processes completed

Late June 2010

- INDOT advertizes design-build contract

Sept 2010

- Contractors submit proposals
- INDOT selects Walsh Construction as apparent low bidder

Oct 2010

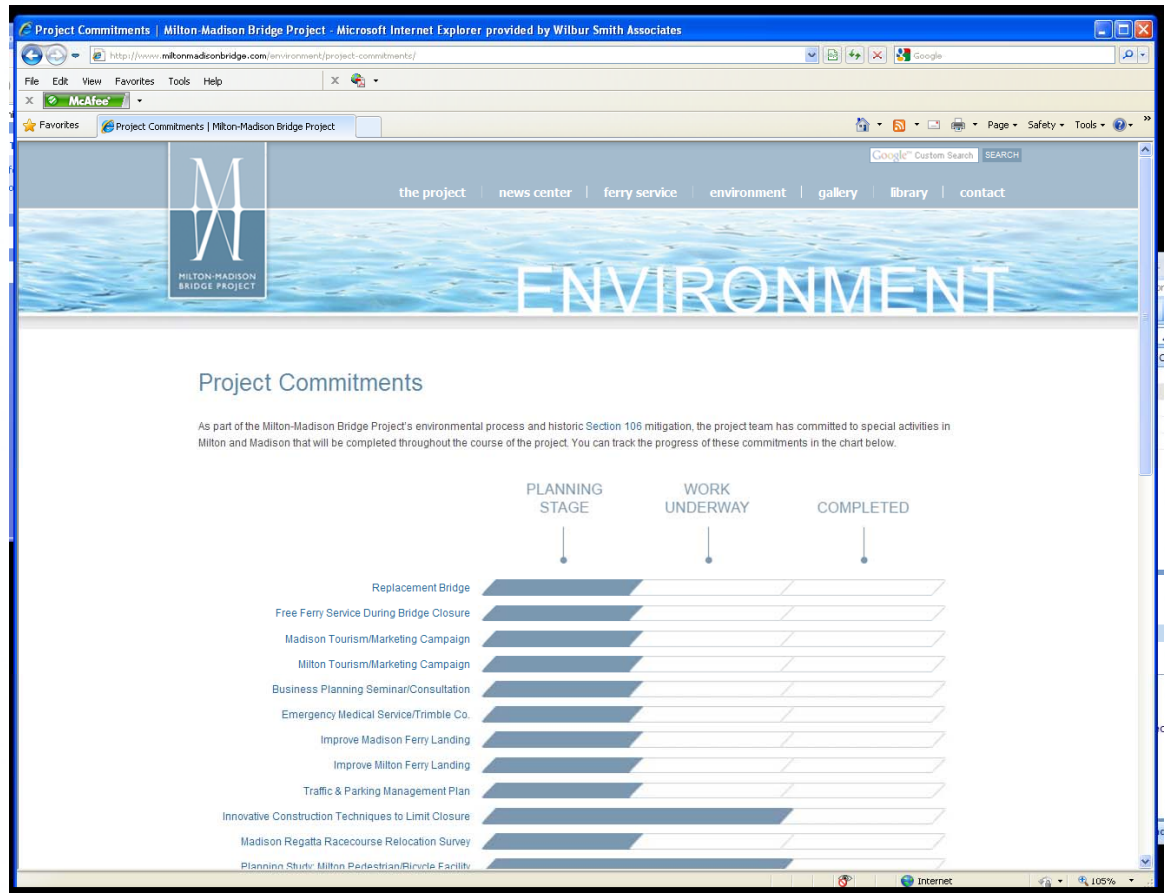
- Walsh awarded contract to build bridge



Recent Project Events

Website in place to track project commitments

Check the Environment page at www.miltonmadisonbridge.com





Design-Build Proposals

September 22, 2010

Five Contractors prepared and submitted cost bids for the US 421 Bridge Replacement

Project was awarded based on

- Cost to construct project (\$102-\$127 million)
- Length of bridge closure (10-365 days)
- Date to open bridge to traffic (Sept 2012/May 2013)

Walsh had the lowest bid based on these factors



The Winning Design-Build Team

Walsh Construction, Inc

Construction firm in La Porte, IN

www.walshgroup.com

Burgess & Niple, Inc.

Engineering firm in Columbus, OH and Indianapolis, IN

www.burgessniple.com

Buckland & Taylor

Bridge engineering firm in Seattle, WA

www.b-t.com



The Winning Design-Build Team

Walsh Project Managers

Brian Hoppel, Senior Project Manager

Charlie Gannon, Project Manager on site



Proposal for Design Build Process

Innovative construction process:

Build a new truss on temporary piers while the existing bridge remains open to traffic

Remove old truss and slide the new truss onto the old piers

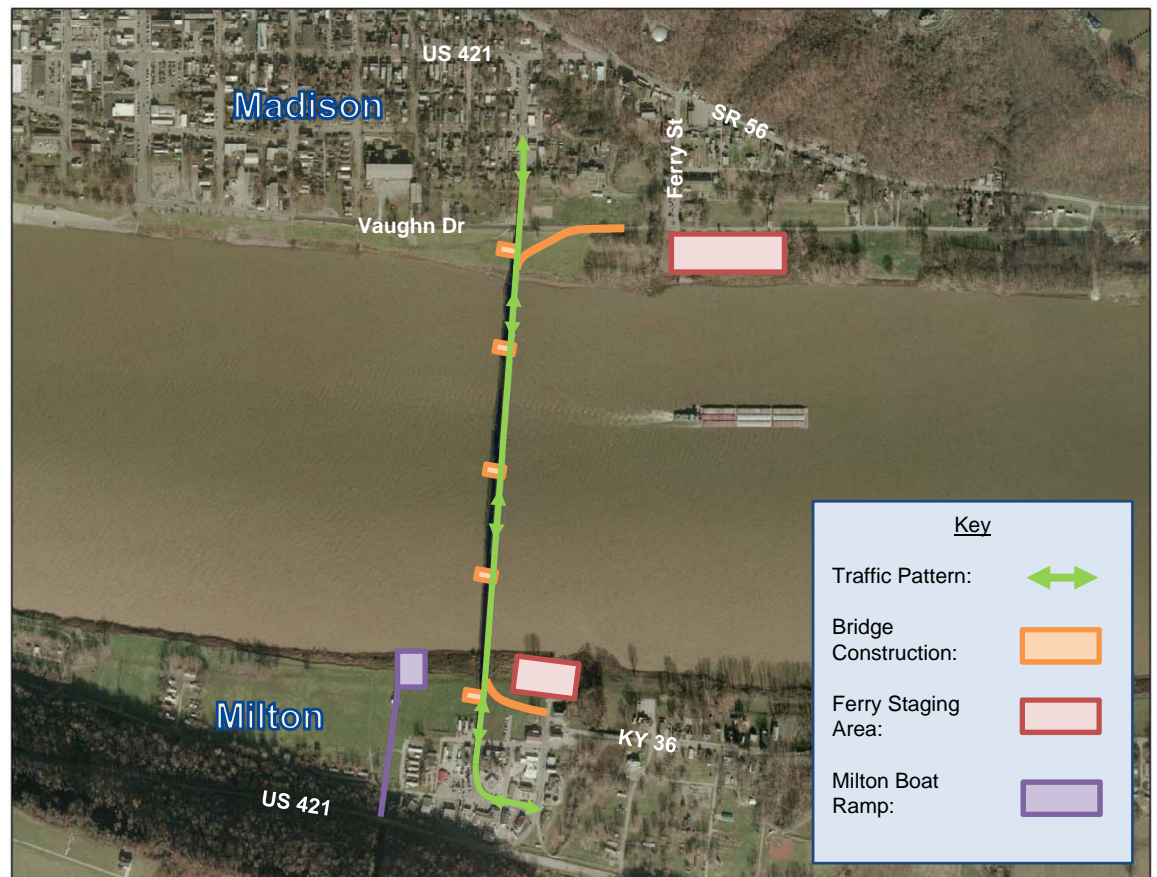
Shortest closure periods



Construction Sequence – Phase 1A

Phase 1 A

1. Maintenance of Traffic:
 - Maintain traffic on existing bridge.
2. Construction Activities:
 - Construct temporary bridge approaches for existing bridge.
 - Construct temporary bridge piers.
 - Begin modernization of existing bridge piers.
 - Construct temporary ferry staging areas.
 - Construct temporary Milton boat ramp.

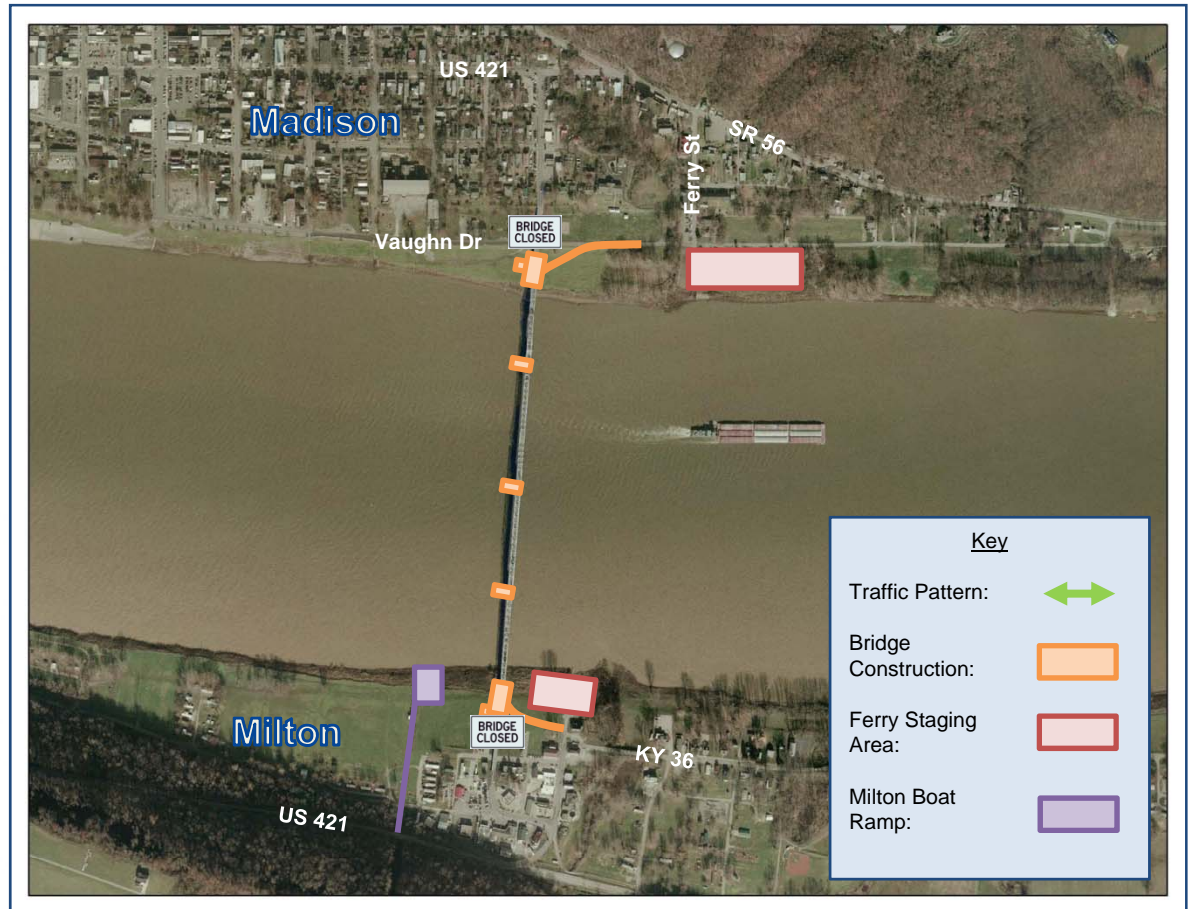




Construction Sequence – Phase 1B

Phase 1B

1. Maintenance of Traffic:
 - Close bridge temporarily to connect temporary bridge approaches to the existing bridge.
2. Construction Activities:
 - Remove existing bridge spans 3 and 12.
 - Connect temporary bridge approaches to the existing bridge.

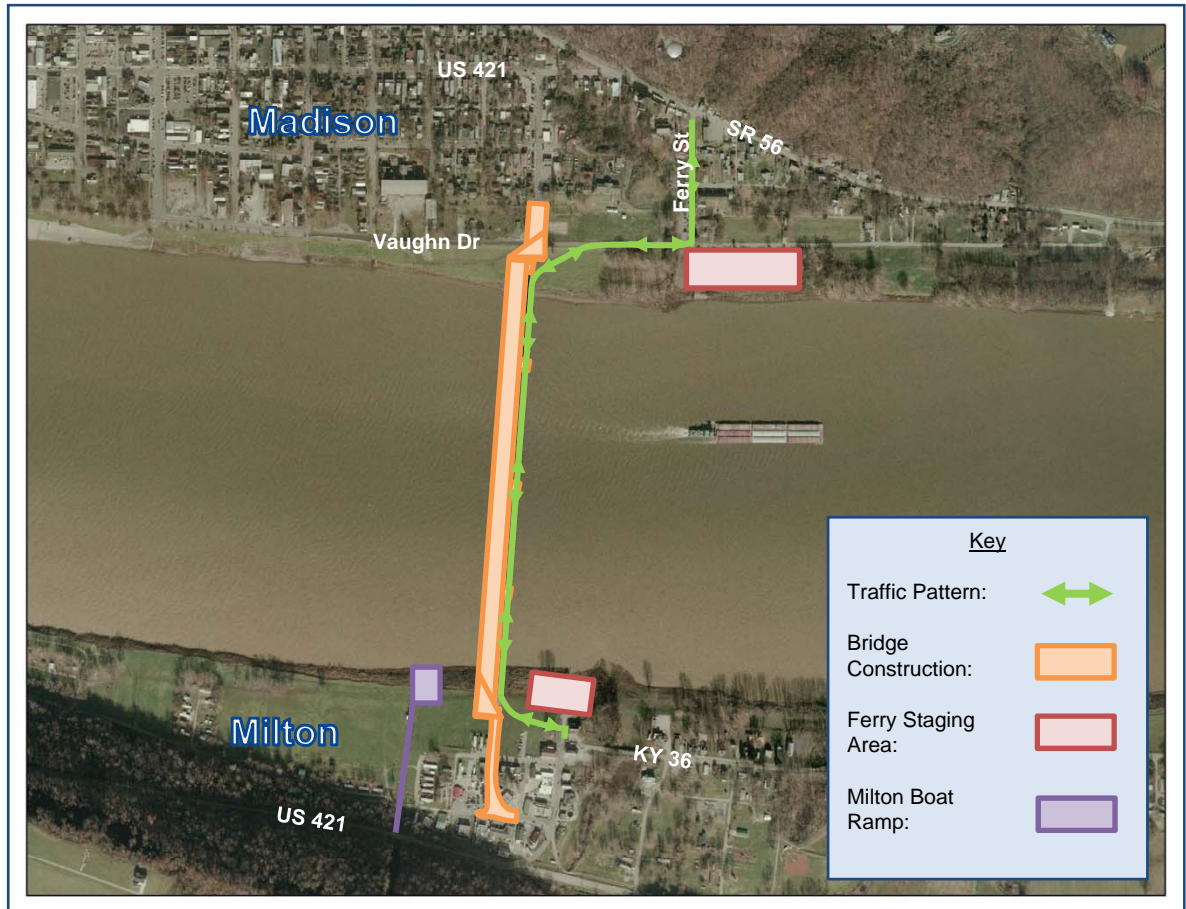




Construction Sequence – Phase 2

Phase 2

1. Maintenance of Traffic:
 - Open existing bridge to traffic. Reroute traffic to the temporary bridge approaches .
2. Construction Activities:
 - Construct permanent bridge superstructure on top of temporary bridge piers.
 - Construct permanent Kentucky roll-in approach span.
 - Construct permanent road and bridge approaches.
 - Construct temporary tie-in spans.

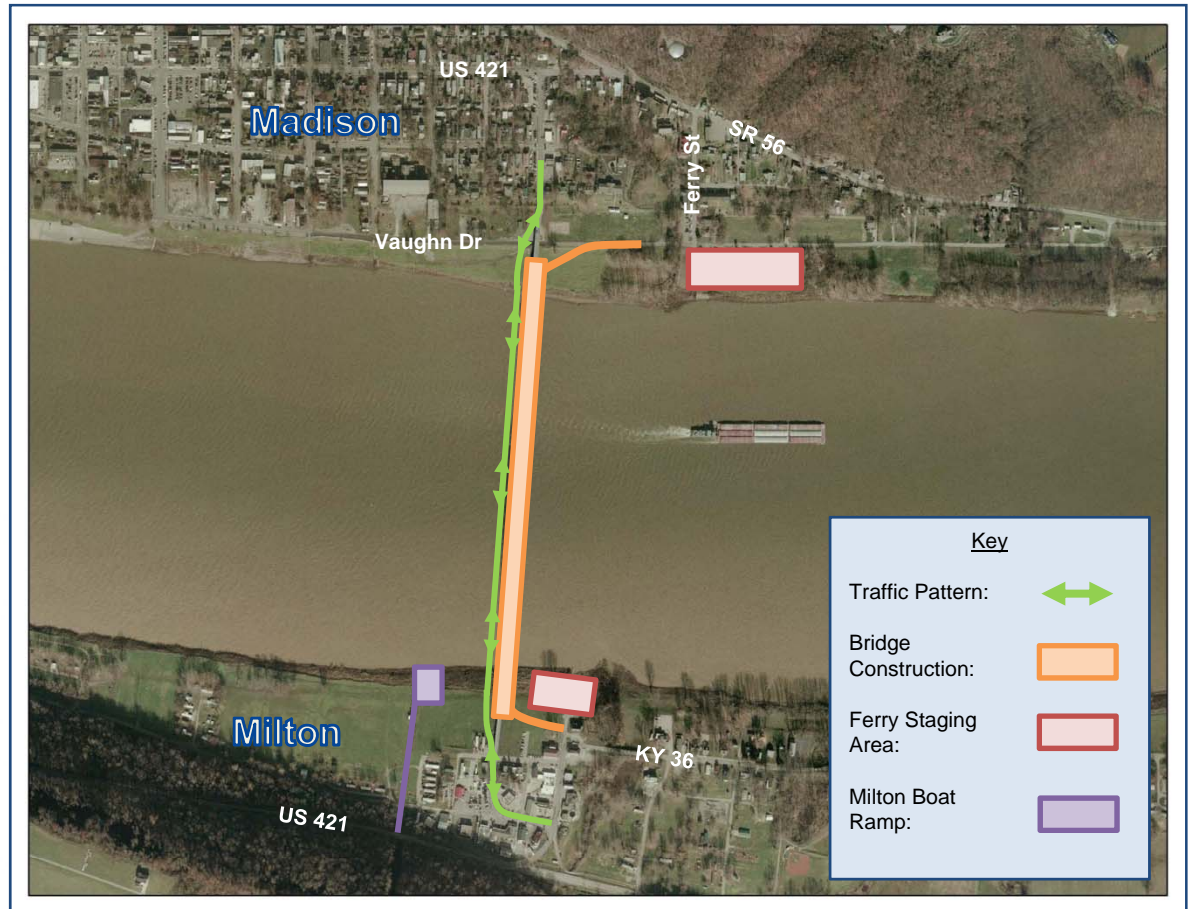




Construction Sequence – Phase 3

Phase 3

1. Maintenance of Traffic:
 - Reroute traffic onto new bridge superstructure on top of the temporary bridge piers. *Temporarily stop bridge traffic during demolition of the existing bridge superstructure.*
2. Construction Activities:
 - Remove existing bridge.
 - Remove temporary bridge approaches.
 - Finish the existing bridge pier modernization.

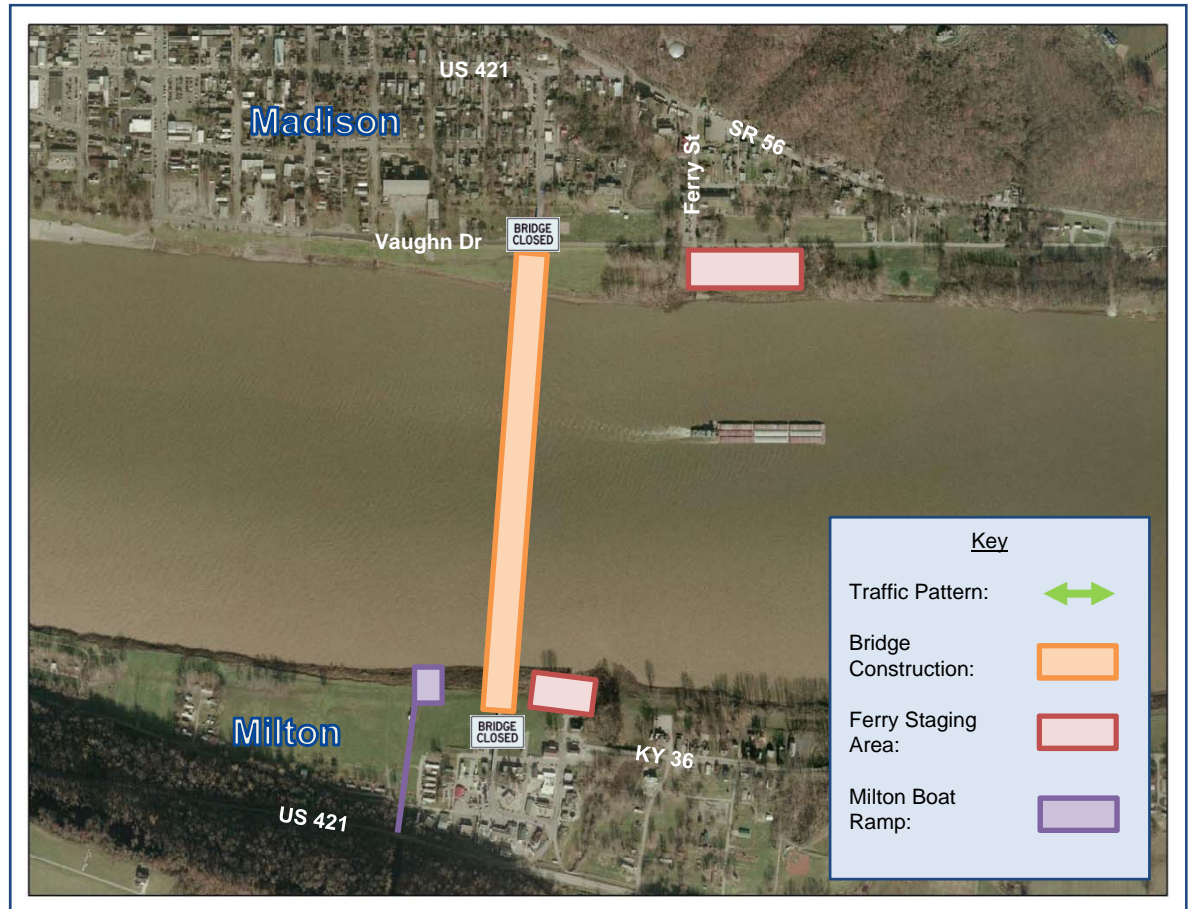




Construction Sequence – Phase 4A

Phase 4A

1. Maintenance of Traffic:
 - Close bridge temporarily while the new bridge superstructure is moved into permanent position.
2. Construction Activities:
 - Move new bridge and Kentucky roll-in approach span into permanent position on top of the modernized existing piers.

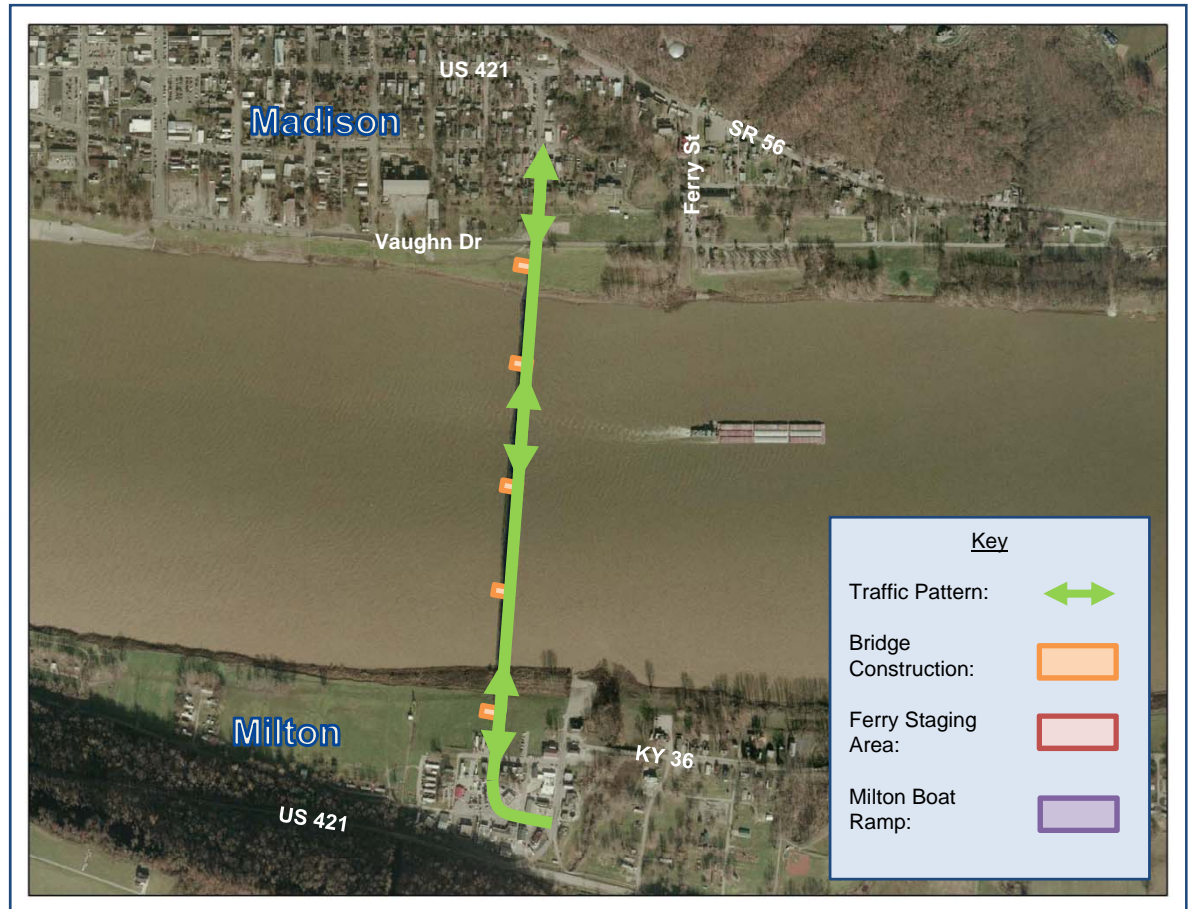




Construction Sequence – Phase 4B

Phase 4B

1. Maintenance of Traffic:
 - Open new bridge to traffic.
2. Construction Activities:
 - Remove temporary piers.
 - Complete sidewalk construction.
 - Demobilization



Bridge Views





Proposal for Design Build Process



Similar Bridge-Sliding Projects

1. Trenton Ontario Bridge

2. San Francisco Bay Bridge

3. Old Capilano Bridge

video link on MMB website





Proposal for Design Build Process

How long will it take to build?

Using innovative Design-Build process speeds up timeline

Construction activities will begin in January 2011

Open to traffic by September 15, 2012

Will not compromise quality and safety



Proposal for Design Build Process

How long will the bridge be closed?

Originally planned for a 365-day closure

Walsh Bid included a total 10-day closure

Closure divided between two separate periods:
Late Spring 2011 and Fall 2012



Proposal for Design Build Process

How much will it cost?

Five design-build teams submitted bids

The winning project bid from Walsh was \$103,669,833.27

15% under the engineer's estimate of \$121,832,000.

In February 2010, \$20 million TIGER GRANT

Indiana and Kentucky will split the remaining costs evenly.



Proposal for Design Build Process

Will the temporary bridge be safe?

Yes.

Temporary bridge piers constructed to modern bridge standards

Nothing built that we would not let our families ride on!



Proposal for Design Build Process

What will happen to the mitigations?

Commitments developed for a 365-day bridge closure.

Some adjustments to the MOA/FONSI may be needed due to the shortened closure periods.

The states will continue to work with the communities and involved organizations as the project continues to evolve.



Next Steps: Involvement

The M3T is planning additional public involvement measures over the coming months.

Articles in local newspapers & news releases

Updates on project website:
www.miltonmadisonbridge.com

Public newsletter (coming soon)



Next Steps

Fall 2010

- Begin bridge design
- Permit amendments

Nov 30, 2010

- Groundbreaking Ceremony

Winter
2010-2011

- States will work with Consulting Parties to amend MOA as needed

January 2011

- Begin construction

More schedule details will be announced as the design-build strategy is refined



**Baker and WSA continue to be involved
with Construction Inspection Services**

**Aaron Stover of Baker will be the Project
Manager for this work.**



**This could not have
happened without your
involvement!**

Thank you!



Questions & Answers