

Public Involvement Meeting

**T Buchanan, County Line Road
Branch of Plum Creek Bridge P-44-0935
Outagamie County
Project ID: 4656-07-00/71**

**Public Involvement Period:
November 24 – December 8, 2021**

Project Team

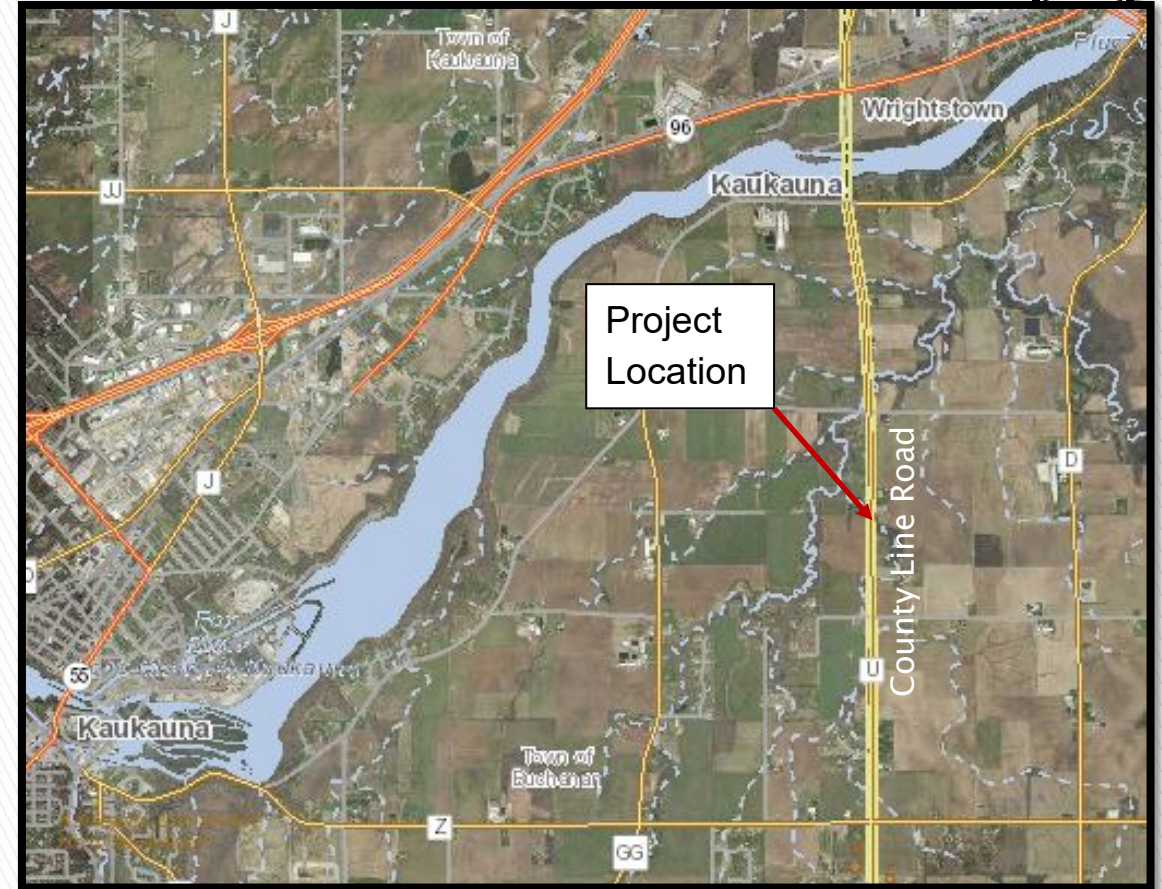
- ▶ Maggie Mahoney – Town Administrator
 - Town of Buchanan
- ▶ Jodi Jarosinski, P.E. – Project Manager
 - WisDOT Northeast Region Local Program
- ▶ Dean Steingraber – Highway Commissioner
 - Outagamie County
- ▶ Dennis Mack, P.E. – Consultant
 - Cedar Corporation

Objectives

- ▶ Project Location
- ▶ Existing Facilities
- ▶ Project Purpose and Need
- ▶ Current Deficiencies
- ▶ Proposed Improvements
- ▶ Project Details
- ▶ Costs
- ▶ Project Schedule
- ▶ Questions

Project Location

- ▶ The proposed project involves the replacement of the Branch of Plum Creek Bridge (P-44-0935) along County Line Road between County ZZ to the North and County Z to the south.
- ▶ The bridge is in the Town of Buchanan, Township 21N, Range 19E, Section 16, Outagamie County.
- ▶ The bridge is approximately 1.5 miles north of the intersection with County Z, and approximately 5.5 miles east of the City of Kaukauna.



Project Location (WDNR Surface Water Data Viewer)

Existing Facilities

- ▶ The existing roadway (County Line Road) is a 2-lane rural highway which serves primarily to connect residences along County Line Road to County ZZ to the north and County Z to the south.
 - 1 18-ft. travel lane; 2-ft. grass shoulders
 - Statutory speed limit of 55 mph
 - Land use in the vicinity of the roadway is primarily agricultural and rural residential, with some woodland.
- ▶ The existing bridge is a single-span concrete flat slab structure.
 - Originally constructed in 1936
 - 26.5-ft. total length
 - 23.1-ft. clear roadway width



View of the current Branch of Plum Creek Bridge, looking south.

Project Purpose and Need

- ▶ The purpose of the proposed action is to maintain and improve an important roadway in the local transportation system by replacing the Branch of Plum Creek Bridge.
 - The existing deck, steel railings, abutments, and wingwalls all are severely deteriorated.
- ▶ The immediate need is to address the structural deficiencies, including physical and operational concerns, identified with the existing bridge.



View of the current Branch of Plum Creek Bridge, looking west.

Current Deficiencies

- ▶ Bridge deck is structurally deficient



Deck has been patched and overlaid with asphalt (looking north)



Exposed gravel (spalling) and rebar along deck edges

Current Deficiencies

- ▶ Existing steel railings are failing at the connection with the vertical post and bridge deck.
 - Not crash-worthy



Current Deficiencies

- ▶ The concrete abutments and wings are showing signs of severe deterioration
- ▶ As the wing pulls away from the abutment settlement occurs in the road



Scouring has deteriorated the base of the abutments.



Wings are failing and are severely cracked

Current Deficiencies

- ▶ Wingwalls are worn, characterized by surface deterioration and spalling.



Proposed Improvements

- ▶ Replacement of deficient bridge structure
 - Single-span concrete flat slab structure
 - Clear bridge width will increase from 23.1 ft. to 24 ft.
- ▶ Short approach reconstruction
 - 50-ft. short approaches on each side of the bridge
 - (2) 10-ft. gravel travel lanes and 3-ft. gravel shoulders, taper to match existing roadway
 - Length of bridge will increase from 26.5 ft. to 38.6 ft.
- ▶ Replacement of metal bridge rail

Project Details

- ▶ New bridge will be constructed in 2023
- ▶ County Line Road will be closed to traffic in the vicinity of the Branch of Plum Creek Bridge during construction.
 - A detour route will not be signed as alternate routes are available
- ▶ Road closed signs and bridge out sign will be posted at intersections to help the public navigate around the bridge during construction.
 - Access will be maintained to residences adjacent to the project.
- ▶ No new right-of-way or other real estate acquisition will be required
 - Existing right-of-way is 66 feet (33 feet left and right of the roadway centerline)

Costs

- ▶ Funding for this bridge is part of the Wisconsin Department of Transportation (WisDOT) Local Bridge Improvement Assistance Program.
- ▶ Federal funding will represent 80% of the total cost of the project and the Town of Buchanan is funding the remaining 20% of the total cost.
- ▶ The total cost for this project is anticipated to be approximately \$400,000; the final cost will be based on final quantities for the project.

Project Schedule

- ▶ Public Involvement – November 24, 2021, to December 8, 2021
- ▶ Preliminary Plans – December 2021
- ▶ Environmental Document – December 2021
- ▶ Final Plans – August 1, 2022
- ▶ Construction is currently scheduled for 2023

Questions?

Comments are welcomed. If you have any concerns, or would like to request additional information, please contact the following individuals:

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Comments can be sent by mail, email, or phone to either of the above individuals. A comment form is provided on the same webpage as this presentation

(<https://www.townofbuchanan.org/town-services/town-bridge-projects>).

Comments regarding this project may be submitted until: **December 15, 2021.**