

Public Involvement Meeting

**T Buchanan, New Road
Branch of Plum Creek Bridge P-44-0903
Outagamie County
Project ID: 4656-08-00/71**

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

Project Team

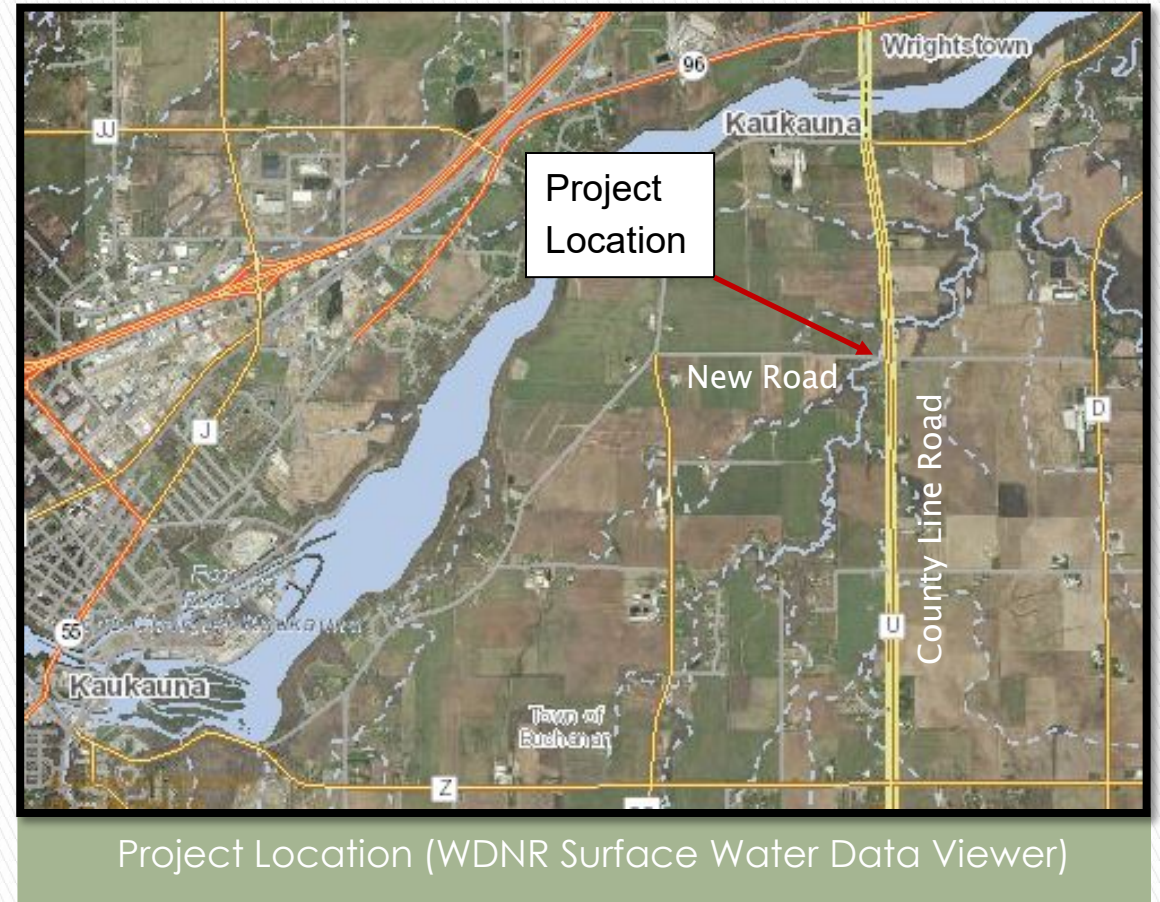
- ▶ Maggie Mahoney – Town Administrator
 - Town of Buchanan
- ▶ Jodi Jarosinski, P.E. – Project Manager
 - WisDOT Northeast Region Local Program
- ▶ Dean Steingraber – Highway Commissioner
 - Outagamie County
- ▶ Dennis Mack, P.E. – Consultant
 - Cedar Corporation

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-44-0903) along New Road between County ZZ to the west and County Line Road on the east.
- ▶ The bridge is in the Town of Buchanan, Township 21N, Range 19E, Section 09, Outagamie County.
- ▶ The bridge is approximately 1.03 miles east of the intersection of County ZZ, and approximately 5 miles east of the City of Kaukauna.



Existing Facilities

- ▶ The existing roadway (New Road) is a 2-lane rural highway which serves primarily to connect residences along New Road to County ZZ to the west and County Line Road to the east.
 - 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 1920
 - Repairs in 1970
 - 27.7-ft. total length
 - 27.5-ft. clear roadway width



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

Current Deficiencies

- ▶ Bridge deck is structurally deficient



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



Exposed gravel (spalling) and vegetative build-up along north and south deck edges

Current Deficiencies

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



Current Deficiencies

- ▶ Reinforced concrete abutments are characterized by efflorescence and general weathering.
 - Efflorescence occurs when salt and moisture is allowed to penetrate the concrete, leaving a white, powdery surface.



Scouring has deteriorated the base of the abutments.



Efflorescence on east concrete abutments

Current Deficiencies

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



Proposed Improvements

- ▶ Replacement of deficient bridge structure
 - Single-span concrete flat slab structure
 - Clear bridge width will decrease from 27.5 ft. to 24 ft.
 - Steel Railing is anticipated
 - Length of bridge will increase from 27.7 ft. to 38.5 ft.
- ▶ Short approach reconstruction
 - 50-ft. short approaches on each side of the bridge
 - (2) 10-ft. asphalt travel lanes and 3-ft. shoulders (1-ft. paved, 2-ft. gravel), taper to match existing roadway

Project Details

- ▶ The new bridge will be constructed in 2023
- ▶ New 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 cover 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.**