



# BLAKENEY BRIDGE REPORT #PW-05-2023

Public Works Committee  
March 22, 2023

Sean Derouin, Public Works Manager

# BACKGROUND

- 2022:
  - Council voted to complete an Enhanced Inspection on the bridge and undergo an EA assessment in 2023 based on the results of the memo provided by Keystone Bridge Management on the deteriorating condition of the bridge.
  - Enhanced inspection completed during low flow. Report recommended reducing load posting to 5 tonnes and replacing the bridge as soon as possible.
  - Repairs completed to bridge and load posting returned to 12 tonnes.
  - A PIC was held on December 1 in Almonte. Approximately 40 people attended, which included 2 distinguishable groups:
    1. Residents of Blakeney with preference for single lane bridge including traffic signals for traffic calming purposes; and
    2. Representatives of the local agriculture community that preferred the two-lane bridge to better accommodate wide farm equipment.
  - Council, at their meeting held on December 14, 2022, with consideration for future development and traffic demand, unanimously voted to proceed with a two-lane 7.3m wide replacement modular panel bridge in 2023.

# BACKGROUND

- January 25, 2023 Public Works Committee Meeting

*Adopted Motion:*

***THAT,*** Council receive the new information related to the Blakeney Bridge Reconstruction; and

***AND THAT,*** Council direct staff to proceed with replacing Blakeney Bridge in 2024 with a 7.3m modular panel bridge,

***AND THAT,*** Council direct staff to proceed with an RFP to complete a bridge replacement design alternative report, to be presented to the Public Works Committee in March.

# DISCUSSION

- An RFP for the Bridge Replacement Design Alternatives Report was advertised on MERX and closed on January 31, 2023.
- 7 proposals were received ranging in price from \$10K to \$180K, with 5 of 7 under \$30K.
- Jewell Engineering (currently completing Andrewsville Bridge EA Study) was evaluated the highest score at a cost \$9,990.
- Jewell was able to meet the strict timelines and provided the bridge replacement alternatives report, see Appendix A.

# DISCUSSION

## Alternative Bridge Span Arrangements Considered

- The following bridge arrangements were assessed to determine the most cost effective solution:
  1. a 90' bridge and a 150' bridge (as presented in December)
  2. a 90' bridge and a 160' bridge with a pier at midpoint
    - (i.e. 90' & 80'-80')
  3. Two 90' bridges, and a 50' bridge, same as current configuration but with no piers.
  4. a 180' bridge and a 130' bridge, spanning both islands.
- It was determined that Option 1 was the most feasible span arrangement.

# DISCUSSION

## Pedestrian Crossing

- The following pedestrian crossing scenarios were assessed:
  - A. Two-Lane bridge with no Pedestrian Crossing
  - B. Two-Lane bridge with a Pedestrian Crossing
  - C. Two-Lane bridge, operated as a single lane bridge with interim traffic signals, with trusses that have been upsized to accommodate a future cantilevered pedestrian platform

# DISCUSSION

## Next Steps:

- Council decides on proceeding with pedestrian platform or not, then:
  - PW proceeds with advertising an RFP for the detailed design of the replacement bridge;
  - PW proceeds with an RFP for the supply of the bridge;
  - PW proceed with the MCEA process, including hosting a second PIC either virtually or in person to update the public on the chosen option moving forward.

# ANALYSIS AND OPTIONS

- Options to consider:
  - A. Do not install a pedestrian crossing, proceed as previously approved.
  - B. Install a pedestrian crossing now.
  - C. Operate Bridge as a single lane with interim traffic signals and pedestrian safety measures and install a pedestrian platform in the future when the traffic demand warrants.





# FINANCIAL IMPACT

- Option A: No Pedestrian Crossing
  - ~\$3.85M
- Option B: Pedestrian Crossing
  - ~\$4.23M
- Option C: Future Pedestrian Crossing with interim traffic signals and other measures
  - ~\$4.21M
  - Additional cost to install the pedestrian walkway in the future ~\$600K.
- Original approved budget= \$4.5M
- Note: only costs associated with the Option 1 span arrangement are provided.
- Costs include estimated engineering and contract administration.
- **Additional cost to install pedestrian walkway now= \$380K**

# LOCAL MUNICIPAL IMPACT

- The current approved option of a two-lane bridge does not accommodate pedestrians.

# ATTACHMENTS

- Appendix A-Blakeney Bridge Replacement Alternatives Report

# RECOMMENDED MOTION

*That Council direct staff to proceed with replacing Blakeney Bridge with Option B: Two-Lane modular panel bridge with a cantilevered pedestrian crossing; and*

*That Council direct staff to seek funding from the Municipality of Mississippi Mills to cover the additional costs of the pedestrian platform, which is estimated to be \$380K.*



**MINUTES  
# MEETING OF 2023  
PUBLIC WORKS  
COMMITTEE OF THE WHOLE**

The Public Works Committee of the Whole met in regular session on Wednesday, March 22, 2023 immediately following County Council.

**Members Present:** Chair S. Fournier, Warden P. McLaren and Councillors B. King, C. Lowry, R. Minnille, K. Jennings, J. Carroll, J. Brown, E. McPherson, F. Dobbie, R. Rainer, R. Kidd, B. Dowdall, T. Randell, A. Tennant, and J. Matheson.

**Staff/Others Present:** K. Greaves, CAO  
J. Ralph, County Clerk  
M. Beson, Deputy Clerk  
T. McCann, Director of Public Works  
S. Derouin, Public Works Manager

**Regrets:**

**PUBLIC WORKS**

**Chair:** Councillor S. Fournier

**1. CALL TO ORDER (Reminder please silence all electronic devices)**

The meeting was called to order at 6:19 p.m.  
A quorum was present.

**2. DISCLOSURE OF PECUNIARY INTEREST**

None at this time.

**3. APPROVAL OF MINUTES**

February 22, 2023

**MOTION #PW-2023-10**

**MOVED BY:** E. McPherson      **SECONDED BY:** F. Dobbie

*THAT, the minutes of the Public Works Committee meeting held on February 22, 2023 be approved as circulated.*

**ADOPTED**

**4. ADDITIONS AND APPROVAL OF AGENDA**

March 22, 2023

**MOTION #PW-2023-11**

**MOVED BY:** E. McPherson      **SECONDED BY:** B. King

*THAT, the agenda be approved as presented.*

**ADOPTED**

**5. DELEGATIONS (10 MINUTES)**

**6. QUESTIONS OF THE DELEGATION FROM COUNCIL**

**7. PRESENTATIONS**

**8. COMMUNICATIONS**

- i) ROMA Conference Delegation - Follow Up  
**Ministry of Transportation**

**MOTION #PW-2023-12**

**MOVED BY:** B. Dowdall      **SECONDED BY:** J. Matheson

*THAT, the communications for the March Public Works Committee meeting be received as information.*

**ADOPTED**

**9. CONSENT REPORTS**

**10. DISCUSSION REPORTS**

- i) PW-05-2023 Blakeney Bridge Report  
**Sean Derouin, Public Works Manager**

**MOTION #PW-2023-13**

**MOVED BY:** R. Kidd      **SECONDED BY:** A. Tennant

*That Council direct staff to proceed with replacing Blakeney Bridge with Option B: Two-Lane modular panel bridge with an option of Mississippi Mills of adding a cantilevered pedestrian crossing, with or without the picket railing.*

**ADOPTED**

- ii) PW-06-2023 Road Closing and Disposal of Surplus Lands, Former County Road 15 (Fergusons Falls Road)  
**Terry McCann, Director of Public Works**

**MOTION #PW-2023-14**

**MOVED BY:** K. Jennings      **SECONDED BY:** B. Dowdall

**THAT**, Report #PW-06-2023, Road Closing and Disposal of Surplus Lands, former County Road 15 (Fergusons Falls Road), Being Part of lot 7, Concession 11, Geographic Township of Drummond, now Township of Drummond/North Elmsley, County of Lanark, designated as Parts 2 and 3, PIN #05168-010(LT), RPlan 27R12023 be received as information.;

**AND THAT**, the Public Works Committee recommends to County Council that Lanark County Council declare the portion of former County Road 15, Lot 7, Concession 11, Geographic Township of Drummond, now Township of Drummond/North Elmsley, County of Lanark, designated as Parts 2 and 3 on 27R-12023, as surplus to County needs and that staff be authorized to commence the process to stop- up, close and sell the subject lands;

**AND THAT**, the value of consideration for the surplus lands be set at one dollar (\$1.00).

**AND THAT**, a Public Hearing regarding the subject road closing be held at the Lanark County Council Chambers, during the Public Works Committee meeting, to be held on April 26, 2023;

**AND THAT**, the Director of Public Works provides a recommendation to the Public Works Committee as soon as practicable after the Public Hearing;

**AND THAT**, the Clerk send a copy of this report to Township of Drummond/North Elmsley for information.

**ADOPTED**

- iii) PW-07-2023 Road Closing and Disposal of Surplus Lands for Former County Roads, County Road 10 (Scotch Line) and County Road 36 (Elphin Maberly Road)  
**Terry McCann, Director of Public Works**

**MOTION #PW-2023-15**

**MOVED BY:** A. Tennant      **SECONDED BY:** R. Rainer

**THAT**, Report #PW-07-2023, Road Closing and Disposal of Surplus Lands, former County Road 10 (Scotch Line Road), Being Part of lot 16, Concession 9, Geographic Township of North Burgess, now Township of Tay Valley, County of Lanark, being part of PIN #05223-0090(LT), be received as information;

**AND THAT**, the Public Works Committee recommends to County Council that Lanark County Council declare the portion of former County Road 36, Lot 13, Concession 3, Geographic Township of North Sherbrooke, now Township of Lanark Highlands, County of Lanark, designated as Part 1, PIN 05025-0020 (LT) on RPlan 27R12035, as surplus to County needs and that staff be authorized to commence the process to stop- up, close and sell the subject lands;



**AND THAT**, the value of consideration for the surplus lands be set at one dollar (\$1.00);

**AND THAT**, a Public Hearing regarding the subject road closings be held at the Lanark County Council Chambers, during the Public Works Committee meeting, to be held on April 26th, 2023;

**AND THAT**, the Director of Public Works provides a recommendation to the Public Works Committee as soon as practicable after the Public Hearing;

**AND THAT**, the Clerk send a copy of this report to Township of Lanark Highlands and Tay Valley Township for information.

**ADOPTED**

- iv) PW-08-2023 Recommendation of Contract Award Tandem Snow Plow Proposal  
**Terry McCann, Director of Public Works**

**MOTION #PW-2023-16**

**MOVED BY:** K. Jennings      **SECONDED BY:** P. McLaren

***THAT**, Report #PW-08-2023, Recommendation of Award for Tandem Snow Plow Proposal that closed March 15, 2023, be received as information;*

***AND THAT**, County Council authorize the awarding of the contract to Aebi Schmidt Canada Inc. for \$366,908, plus HST.*

**ADOPTED**

**11. VERBAL REPORTS**

- i) Climate Action Working Group  
**Councillor Toby Randell**

**12. DEFERRED REPORTS**

**13. CONFIDENTIAL REPORTS**

**14. NEW/OTHER BUSINESS**

**15. ADJOURNMENT**

The Committee adjourned at 6:56 p.m. on motion by Councillors Randell, Dobbie.

Jasmin Ralph, Clerk

A handwritten signature in black ink, appearing to read 'Kurt Greaves', with a long horizontal line extending to the right.

Kurt Greaves, CAO