



**CITY OF BRISTOL  
BOARD OF FINANCE AGENDA REQUEST FORM**

To: Board of Finance Commissioners

From: Public Works  
(Requesting Department)

Date: July 11, 2023  
(Submission Date)

For the July 25, 2023 Board of Finance Meeting Agenda  
(Date of Meeting)

This request is for:  
(Please check the type of request and list in whole dollar amounts)

- Additional Appropriation \$856,000
- Transfer from Contingency \$ \_\_\_\_\_
- Transfer(s) \$ \_\_\_\_\_
- Grant \$ \_\_\_\_\_
- Carry-over(s) \$ \_\_\_\_\_
- Other

**Approval:**

This request was approved by the Board of Public Works  
(governing Board of your department)  
at its meeting held on July 20, 2023.  
(date)

\_\_\_\_\_  
(Department Head's signature)

**All requests to appear on the Board of Finance meeting agenda for consideration must be submitted to Jodi McGrane in the Comptroller's Office by 10:00 a.m. Monday of the preceding week of the meeting. Board of Finance Meetings are held on the fourth Tuesday of each month at 5:30 p.m. in the Council Chambers.**

Board of Finance Agenda Request Form

Reason for request:

The City has been notified that we will receive funding under the State/local bridge program to replace the Lake Ave Bridge/culvert across the Cuss Gutter Brook. The culvert is located on the south side of Lake Ave, adjacent to Lake Compounce.

The Department of Public Works hired the engineering firm of WSP Inc. to design the culvert replacement. The design is complete and the current project cost is estimated by WSP to be \$1,396,000. The State Local bridge program grant will provide 50% project funding, therefore the City's share is \$698,000 approximately.

The project was originally submitted for State funding in 2021, but was denied due to lack of funds in the State's bridge program. The 2021 bridge application prepared by WMC Engineers indicated a project estimated cost of \$902,000.

Project Funding

City Share 50% \$698,000 + State Bridge Grant 50% \$698,000 = \$1,396,000.

A memorandum prepared and presented to the Board of Public Works by the DPW dated March 29, 2023 is attached.

Additional Appropriation(s) and/or Appropriation(s) complete the following:

<b>Account</b>	<b>Account Name</b>	<b>Amount</b>
3023015-491002-19C12	Sale of Bonds & Notes – Lake Ave Culvert	\$856,000
3023015-570300-19C12	Lake Ave Culvert/Bridge	\$856,000
_____	_____	_____
_____	_____	_____



Department of Public Works | 860.584.6125

# MEMORANDUM

DATE: March 29, 2023

TO: Mayor Jeffrey Caggiano  
Board of Public Works

FROM: Raymond A. Rogozinski, P.E., Director of Public Works

RE: **DPW LAKE AVE CULVERT REPLACEMENT**

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The Department of Public Works has hired the engineering firm of WSP Inc. to design the replacement of the existing Lake Avenue bridge/culvert over the Cussgutter Brook. The culvert is located on the south side of Lake Avenue in the area of Lake Compounce.

Work will consist of removing the existing 10 ft. by 5 ft. culvert and installing a 15 ft. by 5 ft. (effective depth 5 ft.) culvert. The new culvert will be constructed as a precast concrete structure and the project will include the reconstruction of approximately 300 ft. of roadway to improve the horizontal curvature of the road by increasing the radius from an existing 275 ft. to 400 ft. A metal beam rail will be installed on the outside (west) side of the roadway curve.

The City has obtained approval from the City's Inland Wetlands Commission. An administrative self-verification permit is required from the Army Corp of engineering. However, a permit from CT DEEP is not required.

The currently proposed plans indicate the project being performed in 4 stages of construction: Phase I – Installation of bypass piping of the stream; Phase II – Culvert installation (west side of Lake Ave); Phase III – Culvert installation and water main relocation (east side of Lake Ave); and Phase IV – installation of road improvements and final pavement. As a result of the water main installation, traffic control in Phase III construction is designed as alternating one way, utilizing a temporary traffic signal. The current design would result in alternating one-way traffic for 50 days. The proposed contract time is 191 days (due to precast fabrication) with an actual construction duration estimated at 128 days.

DPW has concerns with safety, and the impact to Lake Compounce associated with the use of alternating one way, and is proposing to perform required water main relocation work in Phase II, during the culvert installation on the west side of Lake Ave. **Performing the water main relocation work in Phase II would eliminate the need for alternating one-way traffic during construction and allow two lanes traffic.** Moving the water main further to the west of Lake

Avenue will result in an increased impact to the private driveway due to the elimination of sheet piling. The impact to the private driveway can be mitigated and the property in question is owned by Lake Compounce. DPW will coordinate with Lake Compounce, and anticipates that they would prefer additional work in the driveway area rather than reducing traffic on Lake Ave to alternating one lane during construction (50 days). Constructing the culvert during the winter months, with a full road closure, was also considered to limit the impact to Lake Compounce, however, due to permit requirements all in steam work must be completed during the period of April 1-June 30.

The estimated construction cost prepared by WSP is \$1,390,000. The estimate reflects \$1,145,000 construction with a 21% contingency. Funding for the project is anticipated through the State/Local bridge program which provide 50% funding. State funding includes 50% of bridge design cost reimbursed once construction start. Funding for design cost are eligible even if expenses are incurred prior to formal authorization. The Lake Avenue Bridge is currently rated at 49.36%. The City has recently been notified by the State that the City has not received State/Local Bridge funding in 2022 and advised the City to re-apply in 2023. It is DPW's recommendation not to proceed with construction until State funding is obtained. The existing culvert capacity is less than a 25 year storm and the proposed culvert increases the capacity to a 50 year storm, therefore replacing the culvert will reduce flooding and the probability of flooding from 4 to 2 percent. DPW does not recommend City funding of the entire project. **DPW recommends WSP complete the preparation of design documents and the City obtain the required easement from Lake Compounce, and hold off on bidding until State funding is obtained.**

I would like to note that the City submitted the application to the State/Local bridge program in 2021 with a total project estimate prepared by WMC engineering of \$902,000. Award of state/local bridge funds is not a function of state approval. If the bridge is eligible for funding, such as Lake Ave is, the authorization of funds is a function of state available funds and the deficiency rating of the bridge. In 2020, 100% of submitted bridges received state/local bridge funding. In 2023, 18% received funding.

**Once State funding is available through the State/Local bridge program, BOF action would be required to providing funding.** Although the transfer "bonding funds" is not specifically allowed, DPW will be utilizing LOTCIP funds for the Divinity Street culvert which will result in \$240,143 of City funds by rescinding the existing bond authorization for Divinity Street, which when combined with the existing Lake Avenue funding **will provide approximately \$1,369,026** (Lake Ave 19C12:\$460,113.92 (2) + \$240,143(2)).

The final design report is attached for review and a link to the design documents is provided below:

<http://ct-bristol2.civicplus.com/1151/Lake-Ave>

Please feel free to contact me at 860-584-6113 regarding any questions or concerns.