

CITY OF BETHLEHEM

DEPARTMENT OF PUBLIC WORKS INTEROFFICE MEMORANDUM

TO: Michael G. Colon, President of Council
FROM: Michael Alkhal, P.E., Director of Public Works/City Engineer
RE: Request for a Budget Transfer- Stark Pool Rehabilitation/Repairs
DATE: March 16, 2023

This is to request a transfer of funds from the Recreation Fac Fund Account to the Public Works Recreation General Pool Improvements account.

Amount: \$400,000

Revenue: Recreation Fac Fund Account No. 006A-35011- Increase item from \$271,630 to \$671,630.

To: New Account No. 69999-66019 General Pool Improvements- Increase item from \$0 to \$400,000.

Reason: During the annual closure of the pool at the end of the 2022 season and while drawing down/draining the pool, the deep end of the pool shell lifted up about 4 inches. The Department in consultation with Aquatic Facility Design, Inc. investigated this occurrence and determined the apparent cause. Leakage over time developed voids under the pool, and in conjunction with rain events saturating the soil around the pool prior to the closure activities, created significant hydrostatic pressure beneath the deep well. As the pool was drained, buoyancy forces acting upward at the bottom of the deep well section of the pool pushed the structure upwards. Once the saturated soil around the pool subsided, the structure settled back down, but only approximately halfway to existing conditions. This of course caused damage to the drainage system and created uneven decking around the pool. A number of options were evaluated to address this damage and recover full use of the pool including:

1. Rehabilitation of the pool by stabilizing the subsurface beneath the deep well, shallowing the deep end, replacing the drainage system, and re-decking the perimeter of the pool. The estimated cost for final design, construction, and oversight during construction is \$400,000.
2. Rehabilitation of the pool as above, but include upgrades such as a beach entry at the shallow end to meet ADA requirements, and play features. The estimated cost for design, construction, and construction oversight is slightly over \$1,000,000.
3. Construction of a completely new pool, which is estimated at a cost of \$1,400,000 to \$1,600,000.

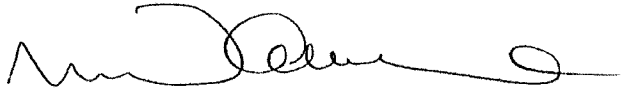
We recommend proceeding with option 1, which also allows us the opportunity to have the pool ready for the 2023 season or soon after the start of it.

If you have any questions, please let me know. Thank you.

MA/glb

cc: Mayor J. William Reynolds
Council Members
G. Yasso, Controller
E. Evans, Director of Administration
B. Yandem, Chief of Engineering

File


By:
Title: Public Works Director/City Engineer

BILL NO. 14 - 2023

ORDINANCE NO. 2023-

AN ORDINANCE OF THE CITY OF BETHLEHEM,
COUNTIES OF LEHIGH AND NORTHAMPTON,
COMMONWEALTH OF PENNSYLVANIA, AMENDING
THE 2023 CAPITAL BUDGET FOR NON-UTILITIES.

THE COUNCIL OF THE CITY OF BETHLEHEM HEREBY ORDAINS:

SECTION 1. That total appropriations in the 2023 Capital Budget for Non-Utilities be increased from Thirteen Million, One Hundred Ninety-Two Thousand, Three Hundred-Thirty-One (\$13,192,331) Dollars to Thirteen Million, Five Hundred Ninety-Two Thousand, Three Hundred-Thirty-One (\$13,592,331) Dollars.

SECTION 2. That the following allocations be changed:

<u>Account #</u>	<u>Account Title</u>	<u>From</u>	<u>To</u>
69999-66019	General Pool Improvements	\$ -0-	\$ 400,000

SECTION 3. That the following source of revenue be changed:

<u>Account #</u>	<u>Account Title</u>	<u>From</u>	<u>To</u>
006A-35011	Recreation Fac Fund	\$ 271,630	\$ 671,630

SECTION 4. All Ordinances and parts of Ordinances inconsistent herewith be, and the same are hereby repealed.

Sponsored by: /s/ _____

/s/ _____

PASSED finally in Council on this _____ day of _____, 2023.

/s/ _____
President of Council

ATTEST:

/s/ _____
City Clerk

This Ordinance approved this _____ day of _____, 2023.

/s/ _____
Mayor