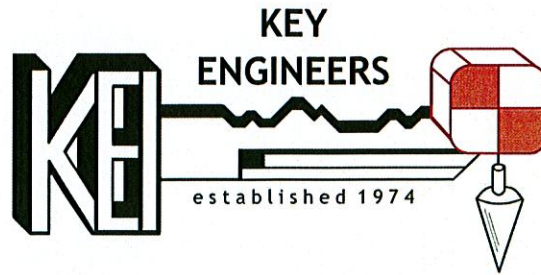


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ENGINEER'S REPORT

BARRINGTON BOROUGH

CAUCUS MEETING OF JULY 5, 2023

AND COUNCIL MEETING OF JULY 10, 2023

July 5, 2023

A. ACTION ITEMS:

- Adopt a Tree Removal-Replacement Ordinance in accordance with N.J.D.E.P. Regulations (Report Item No. 16)
- Adopt a Privately-Owned Salt Storage Ordinance in accordance with N.J.D.E.P. Regulations (Report Item No. 16)

B. REPORT ITEMS:

1. N.J.D.O.T. FY2024 MUNICIPAL AID APPLICATION (KEI #11-479BR0523):

The Commissioner of the N.J.D.O.T. has announced that applications are due by July 1, 2023 for FY2024 Municipal Aid for Streets and Roads.

We discussed possible streets with Mr. Ciocco. The Governing Body approved a resolution authorizing the execution and submission of an application for the "Improvements to Austin Avenue - Phase 4, from Fourth Avenue to Fifth Avenue" at the Council meeting of June 13, 2023.

The application was submitted by the July 1, 2023 deadline, via the N.J.D.O.T. Sage Portal.



2. **N.J.D.O.T. FY2023 LOCAL TRANSPORTATION PROJECT FUND (L.T.P.F.) APPLICATION (KEI #11-477BR0423):**

As discussed with Mayor Harris, Councilman Beach and Mr. Ciocco, we have prepared an application for the "Roadway Improvements to Davis Road, from Courtney Drive to Shreve Avenue".

The Governing Body must approve a resolution authorizing the execution and submission at the Caucus Meeting of June 7, 2023.

The application was submitted on June 2, 2023 via the N.J.D.O.T. Sage Portal.

3. **N.J.D.O.T. ROUTE 30 A.D.A. SOUTH, CONTRACT 4 IMPROVEMENTS AGREEMENT (KEI #11-478BR0523):**

Mr. Ciocco has received an Agreement from the N.J.D.O.T. for the above referenced N.J.D.O.T. Project.

The Governing Body approved a resolution authorizing the execution of the Agreement by Mr. Ciocco, the Licensed Sewer Operator at the Council Meeting of June 13, 2023.

4. **CAMDEN COUNTY OPEN SPACE APPLICATION, ROUND 2023 (KEI #11-476BR0323):**

The Program has announced the acceptance of Year 2023 applications.

The Governing Body approved a resolution for the execution and submission of an application for "Lost World Improvements" to supplement the D.C.A. FY2021 and FY2022 funding and the Camden County Open Space Round 2022 funding.

The application was submitted by the May 1, 2023 deadline.

5. **CAMDEN COUNTY COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM, YEAR 2023 (KEI #11-472BR0223):**

The Governing Body approved a Resolution for the execution and submission of an application for the "Improvements to the VFW and the Continuation of the Senior Citizens Service Program."

We prepared and submitted the application to the Program by the March 3, 2023, 2:00 p.m. submission deadline.

6. **N.J.D.O.T. FY2022 MUNICIPAL AID APPLICATION - AUSTIN AVENUE, PHASE 2 (KEI #11-461BR0521) AND N.J.D.O.T. FY2023 MUNICIPAL AID APPLICATION - AUSTIN AVENUE, PHASE 3 (KEI #11-471BR0522):**

The Borough has received \$203,303.00 from the N.J.D.O.T. for the Roadway Improvements to Austin Avenue - Phase 2, from Third Avenue to mid-block and an allotment of \$213,490.00 for Austin Avenue - Roadway and Storm Drainage Improvements - Phase 3, from mid-block to Fourth Avenue.

The Governing Body authorized our office to proceed with the development of the Construction Plans and Specifications for bidding purposes.

We have completed the fieldwork and the Existing Conditions/Base Plans. We anticipate completing the Construction Plans and Specifications for N.J.D.O.T. authorization to schedule the receipt of bids this summer.

7. **N.J.D.O.T. FY2021 MUNICIPAL AID APPLICATIONS - 2021 CAPITAL IMPROVEMENT PROGRAM:**

The Governing Body received a funding allotment of \$225,000.00 for the Reconstruction of Austin Avenue - Phase 1, from Second Avenue to Third Avenue.

The 2021 Capital Improvement Program shall consist of the following:

a. **Base Bid - N.J.D.O.T. FY2021 (KEI #11-448BR0520)**

- Reconstruction of Austin Avenue - Phase 1, from Second Avenue to Third Avenue

On May 10, 2022, the Governing Body awarded a Contract in the amount of \$273,951.50 to Pioneer General Contracting Company, Inc. of Bradley Beach, New Jersey.

The contractor has satisfactorily completed the project.

The Governing Body accepted the project at the Council Meeting of June 13, 2023.

We will commence with the final paperwork for submission to the N.J.D.O.T. Office of Local Aid requesting final reimbursement.

b. Base Bid - Separate Bid Package (KEI #11-462BR0521)

On April 12, 2022, the Governing Body awarded a Contract for Base Bids 'A' through 'C' to Asphalt Paving Systems of Hammonton, New Jersey in the total combined amount of \$632,114.73 for the following:

- Reconstruction of the Intersection of Richards Avenue and Russell Avenue, and Russell Avenue at Majestic Avenue - *Completed*
- Reconstruction of Oak Avenue, from Pomona Avenue to Farragut Avenue and the Dead-End sections of Pomona Avenue and Clinton Avenue - *Completed*
- Inlet Improvements at Timber Drive and Hearne Drive and along Albany Avenue - *Completed*

The contractor will complete any Punch List items requiring rework and/or correction in July 2023.

8. **\$1 TRILLION INFRASTRUCTURE BILL:**

New Jersey will be receiving \$13.5 Billion for transportation, broadband, water and sewer infrastructure. We have been informed that the funds will be administered through the NJ I-Bank Program. Depending on the type of application submitted to the I-Bank, anywhere from a 25% to 100% loan will be available. The principal is forgiven, the 5% down payment is covered, the I-Bank will handle the Local Finance Board process, and the actual loan rate will be reduced. Interest rates are only on what is drawn from the loan (not on the whole loan like a typical BAN). The loan term for a roadway project is 20 years (not like the typical 10 years) and 30 years for water and sewer projects.

One (1) attractive feature is that it appears that if you have a drinking water system that involves lead removal, 100% Loan Forgiveness will be provided.

Applications can be submitted at any time and once the project is ranked it goes into the priority system. Project rankings are adjusted every quarter.

At the Caucus Meeting of March 1, 2022, we discussed submitting an application for the Beaver Brook Soil Erosion Control Improvements.

9. **D.C.A. FY2021 AND FY2022 LOCAL RECREATION IMPROVEMENT GRANT AND CAMDEN COUNTY OPEN SPACE APPLICATION, ROUND 2022 (KEI #11-468BR0222) - LOST WORLD PARK IMPROVEMENTS (KEI #11-460BR0421):**

The D.C.A. announced that the Borough received a D.C.A. FY2021 Local Recreation Improvement Grant in the amount of \$75,000.00.

Mr. Wiley has provided another concept and estimate to Councilman Hanson for review and consideration. The final concept and colors have been approved.

The purchase of the landscape structures and playground equipment through a State Contract Co-op in the amount of \$150,000.00 has been authorized. The equipment is scheduled for delivery in September 2023.

In addition, the D.C.A. announced the acceptance of Local Recreation Improvement Grants Program, FY2023 Applications. The Governing Body approved a resolution for the submission and execution of an application for Lost World Park to supplement the FY2021 funding allotment.

We completed and submitted the application via the D.C.A. SAGE portal prior to the submission deadline.

The Mayor has been notified that Camden County Open Space funding - Round 2022, in the amount of \$25,000.00, has been allocated for the Lost World Improvements to supplement the D.C.A. FY2021 funding.

On April 13, 2023, the N.J.D.C.A. announced that the project also received a Grant allotment in the amount of \$62,138.00.

We are currently working with Ms. Moules to submit the required documents to the Program for the \$75,000.00 FY2021 reimbursement for the equipment purchase.

10. **PUBLIC PARKING LOT SIGNAGE AND WELCOME TO BARRINGTON WALL (KEI #11-451BR1020):**

a. **Public Parking Lot Signage:**

We have been working with Mayor Harris and Councilman Cerrito for the public parking lot improvements signage.

We have developed a public parking map that has been provided to Tonewood and Old Rail Tavern which they can provide to patrons and post on their website.

Mr. Ciocco's Department has installed four (4) public parking signs and four (4) public parking directional signs for the parking lot(s) on Barrington Avenue that were supplied by the County.

b. Welcome the Barrington Wall:

We have been working with Councilman Cerrito and Mr. Harris for the construction of the wall.

We prepared the Construction Plans and Specifications and submitted quote requests to three (3) contractors. We received one (1) quote in the amount of \$43,523.70 from Lester Bailey & Associates Inc. which significantly exceeds the Engineer's Estimate of \$25,000.00. Therefore, a contract was not awarded.

We will re-evaluate the project with Councilman Cerrito and advise the Governing Body accordingly.

11. **BOROUGH OF RUNNEMEDE 2021 SANITARY SEWER EXTENSION PROJECT (KEI #11-450BR0920):**

The Governing Body approved the Resolution for a Shared Services Agreement at the Council Meeting of December 8, 2020.

We have prepared an informational letter which has been delivered by the Borough to the residents on Davis Road.

Mr. Bach, Runnemede Borough Engineer has provided our office with a pdf set of Construction Plans. We have emailed them to the Governing Body and Mr. Ciocco.

We anticipate the construction commencing this summer.

Once the commencement date is scheduled, we will advise the Governing Body accordingly.

As requested, we have performed an evaluation to determine if the Hidden Ponds Development Sanitary Sewer System (Pump Station) could flow gravity to the proposed Runnemede Sanitary Sewer System. Unfortunately, we found that it is not possible due to the negative elevation difference of approximately 7 feet. However, we are exploring another option to redirect the Hidden Ponds Development force main to a proposed manhole in front of the development. If approved, it would greatly reduce the length of the existing force main and working pressure of the pump station pumps. Both situations would be beneficial to the Borough and the Homeowners Association. We will advise the Governing Body accordingly.

12. **POLICE DEPARTMENT INTERIOR IMPROVEMENTS STUDY**
(KEI#11-411BR1116):

Bids were scheduled to be received on June 7, 2023 at 10:00 a.m.

However, on May 31, 2023 a request for information (RFI) was submitted by one (1) contractor which did not offer ample time to prepare and addendum. Upon conciliation with Council President Hanson, Chief Minardi and Tim Higgins, Borough Solicitor, we cancelled the bid receipt. Our office notified all prospective bidders, vendors, and inquirers, via email, of the cancellation. Ms. Shannon will post a notice regarding the cancellation and that no bids or proposals are to be received at that time. We will reschedule the receipt of bids in October 2023 for review and consideration by the Governing Body at the Council Meeting of October 10, 2023.

13. **STORM DRAINAGE ISSUES - BEAVER BROOK DRAINAGE STUDY**
(KEI #267BR0606):

As the Governing Body is aware, the residents at No. 208 and No. 210 Shreve Avenue have filed complaints regarding the continual erosion of the banks of Beaver Brook and their properties.

We recommend that the Governing Body consider the New Jersey Environmental Infrastructure Trust Water Bank (N.J.E.I.T.) or the recent Infrastructure Bill funding to fund this project. The N.J.E.I.T. program provides long-term loans up to thirty (30) years at a savings of 25 to 40 percent of the market rate.

In March 2022, we reported that we would work with Ms. Moules to determine the benefits to utilizing this funding program versus traditional improvement bonding, which resulted in a savings of approximately \$155,000.00 over the term of the loan through the Program.

Per discussions with Mayor Harris, Council President Beach and Ms. Moules, C.F.O., we prepared and submitted the N.J.D.E.P. Stormwater Competitive Grants Program application, via the N.J.D.E.P. Sage Portal, by the September 14, 2022, submission deadline.

In addition, we met on-site with Mr. King and Mr. Borovik on September 23, 2022, to review the proposed improvements.

14. **FOURTH AVENUE PUMP STATION FORCE MAIN BREAK AMERICAN RESCUE PLAN (ARP) FUNDS:**

The Governing Body authorized our office to prepare the Construction Plans and Specifications for the replacement of the entire force main, from the pump station to the manhole at the intersection of Moore Avenue and Clements Bridge Road (C.R. 573) [approximately 2,650 linear feet] for bidding purposes this Summer.

We attended a meeting with Mr. Thomas Mullen, Vortex Services, and have the ability to complete the project through a State approved "Houston Galveston" purchasing Co-op for which the Borough is a member.

Vortex Services has provided a Proposal. We have reviewed the Proposal with Mr. Ciocco. The Proposal far exceeds the estimated cost. Therefore, it was determined that our office will prepare the Construction Plans and Specifications.

We have completed the survey fieldwork and have commenced with the preparation of the Construction Plans and Specifications for bid receipt in the Summer, 2023.

15. **APPLICATION FOR RECREATION FACILITY ENHANCEMENT FUNDING, ROUND 2020 - \$25,000.00 (KEI#11-447BR0320):**

The Program announced that the Borough received a funding allotment of \$25,000.00 for the continued improvements at the Wish-Upon-A-Star Inclusive Playground.

The Improvements include the following:

- Water Fountain and Water Service (*Completed*)
- Park Benches, four (4) units
- Conversion of the existing site lighting to L.E.D.

Once the project is fully complete, we will compile the required documents and request reimbursement from the Program.

16. **2023 N.J.D.E.P. MS4 STORMWATER ASSISTANCE GRANT:**

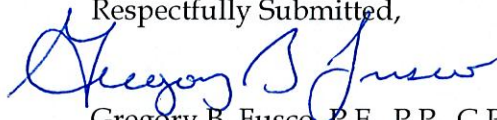
The regulation requirements for the new MS4 Stormwater Permit received by the municipality are both intense and expensive. The N.J.D.E.P. is offering a Grant in the amount of \$25,000.00 to help municipalities comply with the regulations. Mr. Ciocco submitted the application for the Grant on behalf of the Borough. The Department has provided the initial portion of the Grant in the amount of \$15,000.00.

The Grant funding is being made available to assist municipalities with making the necessary upgrades and revisions to the Municipal MS4 Stormwater Map. We have initiated the work that is required.

The Borough introduced and must adopt a Tree Removal-Replacement Ordinance and a Privately-Owned Salt Storage Ordinance. Both Ordinances are required by the N.J.D.E.P. MS4 Stormwater Permit Regulations.

If you have any questions or comments in regard to the contents of this report, please feel free to contact Mr. Gregory Evans (Ext. 28 or via email: gevans@keyengineers.com) or me (Ext. 27 or via email: gfusco@keyengineers.com) at this office.

Respectfully Submitted,



Gregory B. Fusco, P.E., P.P., C.P.W.M.
Certified Municipal Engineer
Barrington Borough Engineer

GE:ke

cc: Honorable Mayor Patti Harris
Council President Kyle Hanson
Councilman Michael Beach
Councilman Wayne E. Robenolt
Councilman Shawn Ludwig
Councilman Michael Drumm
Councilman Vincent Cerrito
Mr. Timothy J. Higgins, Esq., Borough Solicitor
Police Chief Mike Minardi
Fire Official Jim Arpino
Fire Chief Ken Baus
Mr. Michael Ciocco, C.P.W.M., Superintendent of Public Works
Mr. Robert Harris, Construction Department Manager
Ms. Eileen E. Holcombe, Executive Secretary
Ms. Terry Shannon, R.M.C., Borough Clerk
Ms. Denise Moules, C.F.O., R.M.C., Finance Officer
Ms. Meg O'Donnell, Accounts Payable
Ms. Suzanne Ritter, Planning Board Secretary
Ms. Kate Bowen, Barrington Ambulance Captain

Projects/11/Reports/2023/July