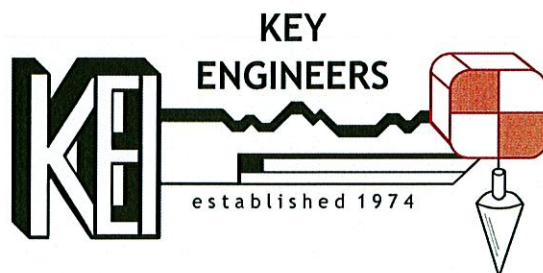


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**ENGINEER'S REPORT**

**BARRINGTON BOROUGH**

**CAUCUS MEETING OF OCTOBER 3, 2023**

**AND COUNCIL MEETING OF OCTOBER 10, 2023**

September 29, 2023

**A. ACTION ITEMS:**

- Approve Voucher No. 3 and Change Order No. 3 for work performed by Asphalt Paving Systems on the 2021 Road Improvement Project (Report Item No. 6b)
- Award/Reject Bids received for the Reconstruction of Austin Avenue, Phases 2 and 3 (Report Item No. 5)
- Award/Reject Bids received for the Renovations to the Police Department (Report Item No. 11)

**B. REPORT ITEMS:**

**1. N.J.D.O.T. FY2024 SAFE ROUTES TO SCHOOL APPLICATION:**

The Commissioner of the N.J.D.O.T. has announced that applications are due by November 17, 2023 for FY2024 Safet Routes to School.

We attended the mandatory Pre-Application Meeting on September 20, 2023 with the D.V.R.P.C., N.J.D.O.T., County, Borough and Schools.



Key Engineers, Inc. • 80 S. White Horse Pike • Berlin, NJ 08009  
(856) 767-6111 • Fax (856) 753-1091

The project consists of pedestrian and safety improvements along Highland Avenue (C.R. 573) at the intersections of Kent Road, Chesterfield Road, 4<sup>th</sup> Avenue (Haddon Heights) and Clements Bridge Road (C.R. 573) and Third Avenue (C.R. 653).

We are currently compiling information for the preparation of the application.

2. **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.

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.

3. **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.

The project received a funding allotment in the amount of \$25,000.00.

4. **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.

5. **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.

Our office recently received a notice from the N.J.D.O.T. that a contract must be awarded by October 21, 2023.

We have scheduled the receipt of bids for Thursday October 12, 2023 at 10:00 am. We will review the bids received and prepare our Engineer's Recommendation for review and consideration by the Governing Body.

Therefore, we are requesting that a special meeting be held on Tuesday October 17, 2023.

6. **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

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)

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.

The contractor will complete any Punch List items requiring rework and/or correction shortly.

We have processed Voucher No. 3 in the amount of \$36,747.06 and Change Order No. 3 (contract amount remains the same) for review and consideration by the Governing Body at the Council Meeting of October 10, 2023.

7. **\$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 twenty (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.

8. 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 and a D.C.A. FY2023 Local Recreation Improvement Grant in the amount of \$61,138.00.

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.

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.

Ms. Moules submitted the required documents to the Program for the \$75,000.00 FY2021 reimbursement for the equipment purchase.

We have been in discussions with Council President Hanson regarding project funding and possible phasing.

9. 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.

10. **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.

The project was awarded in August 2023, and it is anticipated that the construction will commence in October/November 2023, with substantial completion anticipated in October 2024. An updated notice was provided to the residents in both Boroughs.

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.

**11. POLICE DEPARTMENT RENOVATIONS (KEI#11-411BR1116):**

Bid receipt has been scheduled for October 3, 2023 at 10:00 a.m. Upon receipt we will review the bids and prepare our "Engineer's Recommendation" for review and consideration by the Governing Body at the Council Meeting of October 10, 2023.

**12. 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.

Unfortunately, the project did not receive a funding allotment.

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

**13. 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 have completed the survey fieldwork and have commenced with the preparation of the Construction Plans and Specifications for bid receipt in October/November 2023.

**14. 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.

We will compile the required documents and request partial reimbursement from the Program.

We will also request a project extension by the December 15, 2023 deadline.

**15. 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.

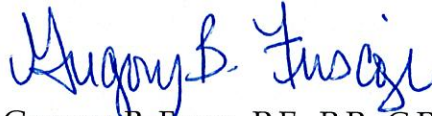
The Borough adopted a Tree Removal-Replacement Ordinance and a Privately-Owned Salt Storage Ordinance at the July 11, 2023 Council Meeting. The Borough must adopt a revised Tree Removal-Replacement Ordinance and a Privately-Owned Salt Storage Ordinance based on updated Model Ordinances provided by the N.J.D.E.P.



Mr. Ciocco indicated that Pennoni will be completing the required data collection and GIS Mapping required by the updated MS4 rules.

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](mailto:gevans@keyengineers.com)) or me (Ext. 27 or via email: [gfusco@keyengineers.com](mailto: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. Kate Bowen, Barrington Ambulance Captain

Projects/11/Reports/2023/October