



BOROUGH OF ALPHA

GENERAL CAPITAL PROJECTS AND WATER UTILITY ENGINEERING STATUS REPORT

October 7, 2019

PREPARED BY:

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ACTION ITEMS

1. The FY 2020 NJDOT Local Aid Freight Grant applications have recently been requested by the NJDOT. A potential candidate which was discussed in the past is a joint application with Pohatcong Township for Edge Road and New Brunswick Avenue (State Rt 122) intersection improvements. Applications are due on October 16, 2019.
2. FY 2019 NJDOT Local Aid Freight Grant applications have recently been requested by the NJDOT. Council authorized us to prepare an application for Industrial Drive and State Route 122 Intersection Improvements. The application was completed and submitted electronically on January 10, 2019. The NJDOT awarded the borough a Grant in the amount of \$305,000.
3. NJDOT FY 2020 NJDOT Transportation Trust Fund Municipal Aid Applications are now being accepted until July 19, 2019. Council determined the following applications will be submitted. We completed the application and submitted them through SAGE prior on July 19, 2019.
 - Pursel Street – Schley Avenue to Park Avenue
 - 5th Avenue Phase III – Somerset Street to Williams Street
4. The Leigh Fuel property preliminary assessment (PA) was authorized by Council at the November 28, 2018 meeting and the grant documents have been executed. A site visit was conducted and we performed a desk top survey of the property. The PA is complete and has been submitted to the NJDEP. A proposal has been provided to Council for their consideration of advancing the assessment through additional grant dollars. The proposal is for the grant application.
5. Micro-Surfacing of various roads was completed the week of September 23, 2019 under the State Contract. A payment recommendation to the State Contractor (Asphalt Paving Systems) in the amount of \$81,960.60 was provided to Council for their consideration.

ROADWAY AND GENERAL ENGINEERING PROJECTS

1. HOMA LANE DRAINAGE IMPROVEMENTS

ESTIMATED COMPLETION OF DESIGN: To Be Determined
ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined
ESTIMATED CONSTRUCTION COST: \$250,000
CONTRACTOR: To Be Determined

Field survey including the wetlands delineation is complete. Base plans are complete and we began the hydraulic modeling. A NJDEP pre-application meeting was held on September 26, 2016. Hydraulic design and the plans are complete. The Borough needs to provide the certified property owner list within 200 feet of the project for notification under the NJDEP application requirement. A draft Phase IA study has been completed and will be submitted with the NJDEP application. The Phase IA is recommending a Phase IB but the NJDEP will make that determination. The plans and NJDEP application is complete. The certified property owner list has been completed and sent to our office. The NJDEP applications were submitted to the NJDEP on January 25, 2017. We received comments from the NJDEP on our submitted application and we are addressing the comments. Mitigation requirements are being reviewed by the NJDEP. A meeting occurred with the NJDEP for May 3, 2017 NJDEP to discuss the mitigation. The

NJDEP new rule changes will allow the culverts to be replaced under Homa Lane assuming it can be proven Homa Lane overtops during small rain events. This will be a less expensive option for the Borough but will need permission from the Homa's to replace the culvert. Discussion with the Homa's need to occur to determine if permission will be granted to replace the culvert. A letter was received from The NJDEP and a response was sent from our office requesting the application remain active. A meeting was held with Ken Homa, property owner and they are willing to give an easement to the Borough for the replacement of the pipe at Homa Lane. We are preparing a proposal for engineering services and looking for grant opportunities to present to Council for consideration at their October 22, 2019 Council Meeting.

2. INDUSTRIAL DRIVE/EDGE ROAD CONNECTOR ROAD

ESTIMATED COMPLETION OF DESIGN: December 2018

ESTIMATED COMPLETION OF CONSTRUCTION: October 2019

CONSTRUCTION COST: \$505,194.46

CONTRACTOR: Top Line Construction

We were authorized for the engineering services by Council at the November 13, 2017 Council Meeting. A preliminary layout was prepared and we met with the adjacent property owners to discuss and it was agreed by all a 70 foot ROW will be established. Meets and bounds descriptions are being prepared for the dedication to the Borough. ROW Map and metes and bounds description was completed and sent to the Borough Attorney for deed dedication preparation. We met with Hunterdon Transformer to review the plans and discuss various issues effecting their property. ROW is being secured through deeds of dedication by the Borough Attorney. Council authorized RVE to advertise the project for Public Construction Bids at the February 19, 2019 Council Meeting. Warren County SCD application was submitted for approval to the Soil Conservation district. Council awarded a construction contract to Top Line Construction at their April 23, 2019 meeting in the amount of \$505,194.46. A pre-construction meeting was held on May 16, 2019 and the notice to proceed was given on May 20, 2019. Curb and storm sewer pipe is completed. Roadway is asphalt based paved. Remaining work will be completed upon substantial construction of adjacent warehouse development. A temporary asphalt curb was installed to deter erosion prior to the development of the adjacent property.

3. 2019 ROAD PROGRAM (NORTH BOULEVARD PHASE III AND SOUTH BOULEVARD)

ESTIMATED COMPLETION OF DESIGN: May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: November 2019

CONSTRUCTION COST: To Be Determined

CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Final documents are complete and they have been submitted to the NJDOT for review and comment prior to being advertised for construction bids. The NJDOT has finalized the grant agreement and placed into their system. Documents submitted to the NJDOT have been reviewed and approved. The Project has been advertised for construction bids and bids were received on August 13, 2019. The bids exceeded the engineers estimate and Borough's budget. We are requesting the low bidder to hold their bid until Council can appropriate the money and possibly award the construction contract in January 2020 a

4. MUNICIPAL POOL DEMOLITION

ESTIMATED COMPLETION OF DESIGN: March 2019
ESTIMATED COMPLETION OF CONSTRUCTION: To Be Determined
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their February 19, 2019 Council Meeting. Construction documents are complete and the project was advertised for construction bids. Bids were received and there was a three way tie for the low bid of \$55,000. Project was re-advertised with changes to the scope of work as directed and one acceptable bid was received at \$128,000. Council rejected the bids and a meeting was held with prior bidders to discuss submission of a best and final price. The prices were submitted to Sean Canning on Monday July 8, 2019 at 10 AM and CMS Services, LLC were the low bid submitted at \$78,599.00.

5. 2020 ROAD PROGRAM (5TH AVENUE PHASE II AND EAST CENTRAL AVENUE)

ESTIMATED COMPLETION OF DESIGN: October 2019
ESTIMATED COMPLETION OF CONSTRUCTION: May 2020
CONSTRUCTION COST: To Be Determined
CONTRACTOR: To Be Determined

Borough Council authorized the engineering services at their May 14, 2019 Council Meeting. Asphalt cores were taken along East Central Avenue. Survey has been completed. Existing condition base plans have been prepared. Final construction plans and specifications are being advanced.

WATER PROJECTS

- 1. 2018 WATER UTILITY IMPROVEMENTS**
ESTIMATED COMPLETION OF DESIGN: March 2, 2018
ESTIMATED COMPLETION OF CONSTRUCTION: September 2018
ESTIMATED CONSTRUCTION COST: TBD
CONTRACTOR: TBD

The County has issued the permit. The work had to be postponed due to the County schedule. A meeting is scheduled for October 16th to review the schedule with the contractor and the County.

- 2. NJPDES PERMIT – INDUSTRIAL DRIVE LANDFILL DISRUPTION PERMIT**
ESTIMATED COMPLETION OF DESIGN: November 2017
ESTIMATED COMPLETION OF CONSTRUCTION: NA
ESTIMATED CONSTRUCTION COST: NA
CONTRACTOR: NA

The next phase of the work has been authorized and initiated. A status meeting will be scheduled for early November to review progress and initial results.

3. ASSET MANAGEMENT PLAN (AMP)

ESTIMATED COMPLETION OF DESIGN: Final Review – May 2019

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

The AMP is complete. A draft report will be provided this week for review with the Borough at the October 16th meeting.

4. FRACE WTP O&M MANUAL

ESTIMATED COMPLETION OF DESIGN: January 2020

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

The development of the Frace WTP O&M Manual has been authorized. We are currently preparing the outline and will be meeting with the Borough and Operator to develop sequencing scenarios.

5. FRACE WTP SCADA BID

ESTIMATED COMPLETION OF DESIGN: Annual Contract

ESTIMATED COMPLETION OF CONSTRUCTION: NA

ESTIMATED CONSTRUCTION COST: NA

CONTRACTOR: NA

SCADA bid documents have been provided to the QPA for review and advertisement. The award of the project will allow SCADA maintenance and improvement to be made at the Frace WTP for an annual period. This bid is similar to the SCADA contract for the Sanitary System.

SANITARY PROJECTS

1. **SANITARY METER VAULT INSTALLATION**
ESTIMATED COMPLETION OF DESIGN: July 2018
ESTIMATED COMPLETION OF CONSTRUCTION: 30 Days upon issuing Notice to Proceed
ESTIMATED CONSTRUCTION COST: \$40,000
CONTRACTOR: TBD

Bid Documents are being prepared for installation of the meter vault since the requested quotes were higher than the bid threshold.

2. **SANITARY SMOKE TESTING**
ESTIMATED COMPLETION OF DESIGN: NA
ESTIMATED COMPLETION OF CONSTRUCTION: TBD
ESTIMATED CONSTRUCTION COST: \$18,000
CONTRACTOR: TBD

The smoke testing is complete. The smoke testing results were received on October 4th. We will be reviewing the results and will present recommendations to the Borough at the October 16th Utility Meeting.