

**COMMITTEE / COMMISSION  
MINUTE PACKET**

## Public Works Committee Meeting

**Date:** November 13<sup>th</sup>, 2018

**Those in Attendance:** Freeholder Charles Hassler, Chairman  
Jeff Ridgway, Director of Operations  
Michael Mulligan, County Solicitor  
John Crawford, Engineering Supervisor  
Steve Schalick, Transit  
Diana Ford, Chief of Adm. Services  
Visitor: Stan Bitgood, "Federici & Akin"

**Location:** Salem County Engineer's Office  
Fifth Street Complex

### MINUTES

1. Meeting Facilitator, Director of Operations, Jeff Ridgway.
2. Attendance was taken.
3. A motion was made by Freeholder Charles Hassler, seconded by Steve Schalick, that, the Minutes of the October 2<sup>nd</sup>, 2018 meeting of the Public Works Committee be approved as distributed. Motion carried.\*
4. Resolutions to be submitted for the Agenda for the November 21<sup>st</sup>, 2018 Freeholders Meeting.
  - a. RESOLUTION APPROVING AN AGREEMENT WITH THE NEW JERSEY DEPARTMENT OF TRANSPORTATION FOR THE SALEM COUNTY MILL AND OVERLAY RESURFACING PROGRAM, FISCAL YEAR 2017 – CONSTRUCTION UNDER THE FEDERAL AID FUNDS EXCHANGE PROGRAM;
  - b. RESOLUTION AMENDING THE CERTIFICATION OF FUNDS ISSUED APPROVING CHANGE ORDER #1 FOR THE COUNTY ENGINEER PROFESSIONAL SERVICES CONTRACT;
  - c. RESOLUTION AMENDING THE CERTIFICATION OF FUNDS ISSUED AWARDING THE REPLACEMENT OF MURPHY'S DAM BRIDGE, COUNTY BRIDGE #1711-111; and
  - d. RESOLUTION APPROVING CHANGE ORDER NO. 4 FOR THE COUNTY ENGINEER PROFESSIONAL SERVICES CONTRACT (for Surveying and Base Mapping of work associated with the Rehabilitation of the Salem County Railroad FY 2018 - \$98,000.00) prepared by DTF.
5. The Status Report prepared by County Engineer, Martin Sander was presented for review. Discussion items and added notes will be identified in italics.

### Status Report

#### ROADS

#### SJTPO-FY2015

**1. Cohansey-Friesburg Road, County Road #635 Resurfacing-Construction:** Transportation Trust Fund funding for construction: \$1,000,000. NJDOT Job # 7010303, FAP-2015-Salem Co-02286. Cumberland County Line to Watsons Mill Road, County Road #672. Contractor: "South State, Inc." Contract amount: \$812,384.52. Project completed. Final documentation to be prepared.

*Mrs. Ford reported that finalization documentation is required for submission to NJDOT.*

**2. Woodstown Road, County Road #603 Resurfacing-Construction:** Transportation Trust Fund funding for construction: \$1,220,000, NJDOT Job # 7101312, FAP-2015-Salem Co-02284. Commissioner's Pike, County Road #581 to Brickyard Road. Award of Contract: June 21. Contractor: "South State, Inc." NJDOT Contract

amount: \$694,405.27. Concurrence in Award received. Notice to Proceed issued for April 2, 2018. Original construction schedule submitted indicated substantial completion of the project by June 1, 2018. Revised project schedule indicates start on June 21, 2018 and completion on July 3, 2018. **Guide rail, topsoil and seed, and signage remains to be installed, followed by project clean up.**

*Mrs. Ford reported that finalization documentation is required for submission to NJDOT.*

### **SJTPO-FY2016**

**1. Centerton Road, County Road #553 and Welchville Road, County Road #540-Construction:** Transportation Trust Fund (TTF) design funding: \$100,000.00. TTF funding for construction: \$1,600,000. Locations: Centerton Road, County Road #553 from Almond Road, County Road #540 north to Buck Road; Centerton Road, County Road #553 from Almond Road, County Road #540 south to the County Line; and Welchville-Alloway Road, County Road #540 from the railroad tracks to Main Street, County Road #581. Received fully executed agreement from NJDOT. Contract Awarded to "Arawak Paving Company, Inc." - May 2, 2018. Award concurrence received from NJDOT. Preconstruction meeting held on June 26, 2018. **Project substantially complete, awaiting results of core testing. NJDOT reviewed project, final inspection to be scheduled.**

*Mrs. Ford reported that punch list items and finalization documentation is required for submission to NJDOT.*

**2. Hook Road, County Road #551-Design:** Transportation Trust Fund design funding: \$150,000. Project includes raising a 1,000-foot long section of Hook Road and resurfacing from East Pittsfield Street in Carneys Point to Route #295. Survey services awarded to "Fralinger Engineering" and geotechnical services awarded to "TRC Engineers." Geotechnical report received. Due to permitting issues with NJDEP, project to be broken into 2 phases: Phase I, requiring no permits, and Phase II, requiring permits. Pre-application meeting held with NJDEP on June 21, 2018. Plans to be submitted to Pennsville Engineer for review & comment. **Final PS&E accepted by NJDOT for Phase I; awaiting federal authorization. State invoice to be prepared.**

**3. Watsons Mill Road, County Road #672 and New Bridge Road, County Road #623 - Design:** Transportation Trust Fund design funding: \$100,000.00. NJDOT Job # 7101313, FAP-2016-Salem Co-02427. Watsons Mill Road, County Road #672 from Commissioners Pike, County Road #581 to Aldine-Friesburg Road, County Road #635 in Alloway Township; and New Bridge Road, County Road #623, from 500 feet south of Harmersville Road, County Road #658 to Beasleys Neck Road, County Road #651 in Lower Alloways Creek Township. Survey services awarded to "Fralinger Engineering." **Field survey complete, base maps received. NJDOT has accepted the PS&E submission for the project and is submitting a request for TTF authorization. State invoice to be prepared.**

### **SJTPO-FY2017**

**1. Watsons Mill Road, County Road #672 and New Bridge Road, County Road #623 -Construction:** Funding in the amount of \$1,800,000. Watsons Mill Road, County Road #672 from Commissioners Pike, County Road #581 to Aldine-Friesburg Road, County Road #635 in Alloway Township; and New Bridge Road, County Road #623, from 500 feet south of Harmersville Road, County Road #658 to Beasleys Neck Road, County Road #651 in Lower Alloways Creek Township. Authorization agreement to advertise, receive bids and award contract received from NJDOT. County executed agreement and returned it to NJDOT. **Awaiting fully executed agreement back from NJDOT.**

*Mrs. Ford reported that fully executed Agreement has been received from NJDOT and the resolution required from Administration to establish the account has been submitted for consideration at the November 21<sup>st</sup>, 2018 Freeholders Meeting.*

**2. Centerton Traffic Signal Improvements:** FY2017 Congestion Management and Air Quality (CMAQ) federal funding in the amount of \$75,000 for design and \$275,000 for construction, for signal upgrades at the intersection of Centerton Road, County Road #553 and Almond Road, County Road #540 in Pittsgrove Township. Design services awarded to "Remington and Vernick Engineers" (RVE) in the amount of \$34,487.10. Received fully executed agreement from NJDOT. Design kickoff meeting held December 12. Additional price of \$1,621.98 from "Remington and Vernick Engineers" for providing traffic counts for turning movements. **Freeholders approved Federal Aid agreement at October 3, 2018 Freeholders meeting. Final documentation to be prepared.**

*Mrs. Ford reported that finalization documentation for this project has been submitted to NJDOT.*

### **SJTPO-FY2018**

**1. Hook Road, County Road #551 Resurfacing (Construction): Federal construction funding:**

**Phase I: \$1,152,218 (reduced from \$2,000,000) for resurfacing from East Pittsfield Street, a local road, in Pennsville Township to Route #295, in Carneys Point Township - with low section in middle postponed to Phase II.**

*Mrs. Ford reported that the funding Agreement has been returned to NJDOT for final execution.*

**Phase II: Will reapply for funding (\$500,000±) in 2019 to raise road between sections done in Phase I.**

**2. Willow Grove Road, County Road #639 (Design): Funding in the amount of \$1,500,000 (construction)/\$150,000 (design). Willow Grove Road, County Road #639 from Centerton Road, County Road #610 to the Salem County/Cumberland County Line.**

Project Schedule:

1. Received sealed RFPs for survey.
2. Review Committee recommended award to "Taylor Wiseman & Taylor".
3. Recommendation of award submitted to DOT along with support documentation, awaiting NJDOT concurrence.
4. Received Agreement letter, agreement and amended agreement From NJDOT for execution.
5. **Awaiting fully executed Federal Aid Agreement.**

*Mrs. Ford reported that as soon as the fully executed Federal Aid Agreement is received "Taylor Wiseman & Taylor" will be given the go ahead to start the survey and base mapping.*

**3. Five Points and Six Points Roundabout Projects:** SJTPO plans to submit applications to NJDOT for funding of both roundabout projects. Projects are being submitted to Traffic Data & Safety for review before they will be evaluated by a Technical Review Committee comprised of the NJDOT Bureau of Environmental Program Resources (BEPR), Local Aid, Traffic Data & Safety, as well as FHWA. SJTPO anticipates authorization of Federal funding for both projects in FY 2018. Funding for Design, Construction, and Construction Inspection will be included within the applications. Six Points will be submitted as part of the Local Safety Program, Five Points will be submitted as part of the Roundabout Pilot program. Salem County to be lead agency for the Six Points project. Comments on RFP submitted to SJTPO.

4. **SJTPO Regional Roundabout Feasibility Assessment:** SJTPO is considering pursuing an HSIP-funded technical study with NJDOT to do a regional feasibility assessment to identify locations that would be eligible to advance HSIP-funded construction of modern roundabouts. The result would be a complete list of locations eligible for HSIP-funded roundabouts and would advance up to ten locations for HSIP-funded construction.

*Mrs. Ford explained that the next four (4) year Project Pool list was submitted to SJTPO. Below is a list of the roads submitted.*

**SJTPO-FY2019 (submitted)**

1. **Willow Grove Road, County Road #639 (construction):** Requested Funding: \$1,500,000. Resurfacing from Centerton Road, County Road #610 (MP 0.00) to Alvine Road County Road #655 (MP 2.77) in Pittsgrove Township.
2. **Hook Road, County Road #551, Phase II (Design & Permitting):** Requested Funding: \$100,000. MP 2.73 to MP 2.94.
3. **Hook Road, County Road #551, Phase III (Design & Permitting):** Requested Funding: \$150,000. From NJ Route #49 (MP 0.00) to local road East Pittsfield Street (MP 2.16).

**SJTPO-FY2020 (submitted)**

1. **Hook Road, County Road #551, Phase II (Construction):** Requested Funding: \$469,000. MP 2.73 to MP 2.94.
2. **Hook Road, County Road #551, Phase III (Construction):** Requested Funding: \$1,500,000. From NJ Route #49 (MP 0.00) to local road East Pittsfield Street (MP 2.16).
3. **South Greenwich Street/Telegraph Road, County Road #540, Phase I (Design):** Requested Funding: \$150,000. Resurfacing from Main Street, County Road #581 (MP 13.15) to the Alloway Township - Quinton Township Line (MP 15.40)

**SJTPO-FY2021 (submitted)**

1. **South Greenwich Street/Telegraph Road, County Road #540, Phase II (Construction):** Requested Funding: \$150,000,000. Resurfacing from Main Street, County Road #581 (MP 13.15) to the Alloway Township - Quinton Township Line (MP 15.40).
2. **Telegraph Road, County Road #540, Phase II (Design):** Requested Funding: \$150,000. Resurfacing from the Alloway Township - Quinton Township Line (MP 15.40) to Pecks Corner-Cohansey Road, County Road #667 (MP 17.17)

**SJTPO-FY2022 (submitted)**

1. **Telegraph Road, County Road #540, Phase II (Construction):** Requested Funding: \$150,000,000. Resurfacing from the Alloway Township - Quinton Township Line (MP 15.40) to Pecks Corner-Cohansey Road, County Road #667 (MP 17.17).
2. **Hawks Bridge Road, County Road #540 (Design):** Requested Funding \$100,000. Resurfacing from US Rte #40 (MP 0.92) to Haines Neck Road, County Road #631 (MP 2.00)

3. Griffith Street/Grant Street, County Road #657 (Design): Requested Funding: \$100,000. From NJ Rte #49 (MP 0.00) to Keasbey Street, County Road #658 (MP 1.22).

SJTPO-FY2023 (submitted)

1. Hawks Bridge Road, County Road #540 (Construction): Requested Funding \$750,000. Resurfacing from US Rte #40 (MP 0.92) to Haines Neck Road, County Road #631 (MP 2.00).
2. Griffith Street/Grant Street, County Road #657 (Design): Requested Funding: \$750,000. From NJ Rte #49 (MP 0.0) to Keasbey Street, County Road #658 (MP 1.22).
3. Perkintown Road, CR#644 (Design): Requested Funding: \$150,000. From US Rte #130 (MP 0.00 to Interstate Route #295 (MP 2.36).

NJDOT Funded County Aid Projects:

2012 County Aid: NJDOT Funding:

1. Woodstown-Alloway Road, County Road #603, East Lake Road to Brickyard Road: Contract awarded to "South State, Inc." in the amount of \$1,100,000. Notice to proceed: June 27. Project limits extended north of East Lake Road to meet recently paved section just south of Hungry Hill Bridge. Project substantially complete. Completion of punch list needed. Washout of a portion of the roadway has occurred; quotes for repair solicited. Piping and filling in of a hazardous ditch along the road to be performed by Public Works Department.

*Mrs. Ford reported that finalization documentation is required for submission to NJDOT.*

**2013 County Aid:** Grant amount is \$1,807,000.00. Project total now \$2,363,318.87 after Change Orders 1 - 8. **Project completed.**

*Mrs. Ford reported that finalization documentation is required for submission to NJDOT.*

**2014 County Aid:** Grant amount: \$2,365,000.

Phase 1:

1. Parvin Mill Road, County Road #645 in Pittsgrove from Morton Avenue at the County line to Crystal Road; **Paved, awaiting topsoil and seed.**
2. Deerfield Road, County Road #540 in Pittsgrove from Centerton Road, County Road #553 to the Salem County/Cumberland County line; **Paved, awaiting topsoil and seed.**
3. Bailey Street, County Road #616 in Woodstown from US Route #40 to South Main Street, County Road #672; **Paved, awaiting pavement markings.**

Project awarded to "South State, Inc." in the amount of \$1,219,818.92. Pre-construction refresher meeting held March 27, 2018. Notice to Proceed: May 14, 2018. **Concrete failed compression tests; in situ testing being performed.**

Phase 2:

4. West Mill Street, County Road #642 in Pedricktown from Straughens Mill Road, County Road #643 to Railroad Avenue, County Road #602, UST discovered on West Mill Street, NJDEP notified, LSRP contracted, UST removed, soil testing completed, groundwater monitoring to be performed. **Groundwater monitoring being conducted. Paved, awaiting concrete and asphalt repair work.**

*Mr. Crawford explained that we are awaiting the final report from "CTM" concerning the underground storage tank remediation.*

5. State Street, County Road #634 in Penns Grove from Beach Avenue, local road, to West Main Street, County Road #675. **Paved, awaiting topsoil and seed and pavement markers.**
6. South Golfwood Avenue, County Road #601 in Carneys Point from Georgetown Road, County Road #629 to Hollywood Avenue, County Road #618; **Paved, awaiting pavement markers.**

Project awarded to "South State, Inc." in the amount of \$894,168. Pre-construction meeting held March 27, 2018. Notice to Proceed: April 30, 2018. **Concrete failed compression tests; in situ testing being performed.**

*Mrs. Ford reported that Change Order #1 has been submitted to DOT; awaiting approval.*

**2015 County Aid:** Grant amount: \$2,365,000. NJDOT Plan approval received. "Alaimo Group" design. Contract awarded (base bid only): May 16, 2018 to "Richard E. Pierson Construction Company, Inc.". Award concurrence received from NJDOT. Preconstruction meeting held August 21, 2018. Notice to proceed issued September 17, 2018. **Construction ongoing. Awaiting response from NJDOT regarding penalties for excessive amounts of RAP in HMA.**

1. Penns Grove-Pedricktown Road, County Road #642 in Oldmans Township from Route 130 to Straughens Mill Road, County Road #643.
2. Pennsville-Auburn Road, County Road #551 in Carneys Point from NJ Route #48 to Georgetown Road., County Road #629
3. Pennsville-Auburn Road, County Road #551, 500-foot long section north of Route 48 and south of Quilleytown Road. Flat area to be regraded.
4. Telegraph Road, County Road #647 in Quinton from Pecks Corner-Cohansey Road, County Road #540 to NJ Route #49.
5. North Broad Street, County Road #607 in Penns Grove and Carneys Point from Main Street, County Road #675 to NJ Route #130.
6. Dutch Row Road, County Road #611 from US Route #40 to the Salem County/Gloucester County line.

*Mr. Bitgood reported that we received a response from NJDOT regarding excessive amounts of RAP in the HMA. Mr. Bitgood will follow up on the suggestion from DOT that the pavement in question be removed and replaced – at no additional cost to the County or the State. Mr. Bitgood will investigate further the negative impact the slightly increased amounts of RAP in the HMA – actually could have on the pavement. More details to follow.*

**2016 County Aid:** NJDOT grant funding in the amount of \$2,365,000.

Roads included:

1. Alvine Road, County Road #655 from Almond Road, County Road #540 to Route #56 in Pittsgrove Township, including drainage improvements at low areas.
2. Gershal Avenue, County Road #638 from Route #56 to Garden Road, County Road #674 in Pittsgrove Township.
3. Quinton-Alloway Road, County Road #581 from Route #49 to Greenwich Street, County Road #540 in Quinton and Alloway Townships.
4. Pennsville-Pedricktown Road, County Road #601 from Perkintown Road, County Road #644 to Penn grove- Pedricktown Road, County Road #642 in Oldmans Township.

"Alaimo Group" prepared survey and base mapping, and started design. "Federici and Akin" completed design and will manage construction. **PS&E submitted to NJDOT.**

*Mrs. Ford reported the Plans and Spec's will be submitted to NJDOT shortly.*

**2017 County Aid:** NJDOT grant funding in the amount of \$2,399,200.

1. Quinton-Alloway Road, County Road #581 from NJSH#49 to Woodstown-Alloway Road, County Road #603. Limits need to be reduced to include only from Greenwich Street, County Road #540 to Woodstown-Alloway Road, County Road #603 due to overlap with 2016 County Aid project.
2. Pennsville-Auburn Road, County Road #551 from NJSH#140 to Georgetown Road, County Road #629.
3. Salem County Railroad Port Area Improvements, from Fifth Street to West Broadway. More information under Railroads.
4. Guide rail at some minor bridges may be added to the project.

**Survey completed. Design to be initiated in November/December, submission of PS&E in early 2019.**

*Mr. Bitgood stated that the "F&A" has only been authorized to complete the survey; and this work is complete. A brief discussion ensued. Mr. Bitgood explained that as agreed to in "F&A's" original contract for County Engineer Services, the County only authorized \$45,000.00 with the agreement that the additional \$75,000.00 which is needed in order for "F&A" to complete the design, would be provided as a change order later in 2018. This will allow "F&A" to prepare the plans and specifications. Mr. Ridgway will investigate.*

**2018 County Aid:** NJDOT funding to be provided to Salem County under this program is \$4,842,538. SAGE applications were submitted prior to 1 February 2018 cutoff:

1. Monroeville Road, County Road #604 from Elmer-Richwood Road, County Road #609 to the Salem County/Gloucester County line in Upper Pittsgrove Township;
2. Haines Neck Road, County Road #631 from Hawks Bridge Road, County Road #540 to Pointers-Auburn Road, County Road #646 in Mannington Township;
3. Salem-Fort Elfsborg Road, County Road #625 from Fort Elfsborg Road, County Road #624 to the Elsinboro Township-Salem City line in Elsinboro Township;
4. Alloway-Aldine Road, County Road #611 from East Main Street, County Road #581 to Remsterville Road, County Road #656 in Alloway Township;
5. Priority bridge repairs: Richmanville Bridge; and
6. Guide rail at minor bridges.

**Design on hold.**

**2018 NJDOT Local Freight Impact Fund:** Proposed project: Resurfacing of Straughns Mill Road, County Road #643 from Route #295 to Penns Grove Pedricktown Road, County Road #642, and repairs to the Straughns Mill Road Bridge at Beaver Creek. Funding application submitted through SAGE on 12/19/17 in the amount of approximately \$1.1M. Grant awarded in the amount of \$950,000. Project must be completed by 8/27/2021.

**BRIDGES**

**2013 NJDOT Local Bridges, Future Needs (LBFN) Program:** Rehabilitation of Scour Critical Bridges. NJDOT funding: \$1,000,000. Project included scour countermeasures at eleven (11) bridges as recommended by Bridge Evaluation Reports. Design and permitting on four (4) locations was begun by "Federici & Akin." "Alaimo Group" proceeded with design of seven (7) remaining locations. Permit has been received for one (1) location, Pleasant Hill Bridge, CB #1701-088. "Federici and Akin" was to work with DEP to satisfy review comments from previous submissions; and prepare the permit applications for the remaining sites. "F & A" has submitted a Proposal for bridge scouring projects) and has received budget approval (\$93,000) for Design, Permitting and Construction Management of Pleasant Hill Bridge (#1701-008), which is no longer included in the 2013 NJDOT LBFN. In response to County request to include Murphy's Bridge and Jesse Bridge in 2013 NJDOT Local Bridges Future Needs Program to make up funding shortfalls, the \$1,000,000 has been redistributed as follows:



- |  |               |
|--|---------------|
| 1. Replacement of Murphy's Bridge (construction):            | \$439,520.08. |
| 2. Replacement of Murphy's Bridge (construction inspection): | \$215,928.00. |
| 3. Replacement of Jesse Bridge (construction):               | \$344,551.92. |

**2014 NJDOT Local Bridges, Future Needs Program:** Replacement of Murphy's Bridge, County Bridge #1711-111 on Friendship Road in Upper Pittsgrove, which is both functionally obsolete and structurally deficient. NJDOT funding: \$1,000,000 augmented by \$439,520.05 (construction) and \$215,928.00 (construction inspection). Design by "Remington & Vernick Engineers" in the amount of \$97,525.00. Flood Hazard Area Permit, Freshwater Wetlands Permit and Soil Erosion Certification received. Easements prepared by Mike Mulligan. Comcast & Verizon poles relocated. Electric service stops on each side of the bridge. There is an NJDEP water restriction for May and June. Contract awarded: May 16, 2018 to "Richard E. Pierson Construction Company, Inc.". Initiation of construction: 5 July 2018. Road to be closed for 120 days. "F & A" will perform Construction Management and Inspection. "F & A" investigating possible contaminated soils found at bridge.

*Mr. Bitgood reported that he is currently investigating the proper procedure to dispose of the contaminated soils found at the project site. Estimated cost could be as high as \$40,000.00. Additional information to follow. Mr. Bitgood also reported that the project has been delayed due to the contaminated soils – so a Change Order will need to be prepared.*

**2015 and 2016 NJDOT Local Bridges, Future Needs Program:** Replacement of Jesse Bridge, County Bridge #1701-274 on Gershal Avenue, County Road #638 in Pittsgrove Township, which is structurally deficient. NJDOT funding: \$2,000,000, augmented by \$344,551.92 from 2013 LBFN for construction. Design, permitting, and construction management by "Churchill Consulting Engineers" in the amount of \$141,133.00. Preliminary construction cost estimate: \$2.1 million. Approximately 5,000 SF of Riparian Zone mitigation along Muddy Run required as a condition of the NJDEP Flood Hazard Permit. Possible location: Deer Pen Park in Pittsgrove Township. "Churchill" submitted change order proposal for mitigation plan; returned to "Churchill" for modification. Revised change order proposal (\$94,915) received from "Churchill". Awaiting approval of change order. Project bidding subject to approval of proposed mitigation.

*Mrs. Ford reported that no action has been taken on the processing of a Change Order for "Churchill" – because the revised cost estimate has not been received from "Churchill". Mr. Bitgood offered to follow up with "Churchill". The status of the "Memorandum of Understanding" with Pittsgrove Township to utilize Deer Pen Park is unknown. Awaiting preparation by Solicitor Mulligan.*

**2017 NJDOT Local Bridges, Future Needs Program:** Salem County received NJDOT funding in the amount of \$1,000,000 for repair or replacement of Centerton Bridge, County Bridge #1701-235 which is functionally obsolete. "F&A" will perform design and permitting of Centerton Bridge, County Bridge #1701-235.

**2018 NJDOT Local Bridges, Future Needs Program:** Application submitted through SAGE for repair or replacement of Centerton Bridge, County Bridge #1701-235. Salem County's allotment under this program is \$1,259,308. Freeholders approved an agreement with NJDOT for replacement of Centerton Bridge, County Bridge #1701-235. "F&A" will perform construction management and inspection for Centerton Bridge, County Bridge #1701-235 repairs.

**Bridges Requiring Priority Repairs:** Priority repair recommendations received for major and minor bridges. Quarterly reporting on major bridge priority repair status is now required by FHWA and NJDOT and is due May 15, August 15, November 15 and February 15. Met with Road Department to discuss repairs that can be performed by the Road Department. Additional repairs require design and funding for completion by contractors. Priority repairs included in the 2018 County Aid funding application submitted. Buckhorn Bridge closed due to structural deficiencies.

**Richmanville Bridge, County Bridge #1704-123, on Woodstown-Daretown Road, County Road #615:**  
Repairs needed to timber piles and sheeting. Repair details being prepared. This project was included in the 2018 County Aid funding application submitted. Easements will be required. **“F&A” submitted a proposal for design, permitting and construction management.**

**Bridges Requiring Guide Rail:** Annual program for installation of bridge guide rail using NJDOT County Aid funds to be prepared. Some bridge guide rail included in the 2018 County Aid funding application submitted. Salem County Engineer's Office has toured/inspected the County and is preparing a report with prioritized future guide rail work locations.

### **DAMS**

#### **Black Road Dam 30-30**

Mannington Township

Hazard Class: Low

Owners: Mannington Township, Catalano and Holliday

Last inspected: 2017 by “Alaimo Group”

Next inspection due: 2021

EAP: To be submitted by October 2017.

O&M: To be submitted by October 2017.

Condition: Poor.

#### **East Lake Dam 30-10**

Pilesgrove Township

Hazard Class: Significant

Owners: NJDEP Fish and Wildlife, Pilesgrove Township

Last inspected: 7/17/10

Next inspection due: NJDEP will do the inspection.

Recently rehabilitated.

EAP: None

O&M: None

#### **Camp Roosevelt Dam 30-12**

Alloway Township

Hazard Class: Significant

Owners: BSA Southern NJ Council

Last inspected: 2017 by “Alaimo Group”. Inspection report completed and submitted.

Next inspection due: 2019

EAP: Done.

O&M: Done.

Condition: Poor.

#### **Ballinger's Mill Pond Dam 30-13**

Alloway Township

Hazard Class: Significant

Owners: BSA Southern NJ Council

Last inspected: 2017 by “Alaimo Group”. Inspection report completed and submitted.

Next inspection due: 2019

EAP: Done.

O&M: Done.

Condition: Poor.

**Algonkin Dam 30-22**

Upper Pittsgrove Township

Hazard Class: Significant

Owners: "Bancroft NeuroHealth"

Last inspected: 2017 by "T&M Associates."

Spillway Design Storm Report, prepared by "McCormick Taylor", September, 2017.

EAP: Prepared by "T&M Associates," December 2009, updated September 2012.

O&M: Prepared by "T&M Associates," April 2010.

Condition: Poor.

**Slabtown Lake Dam 30-23**

Upper Pittsgrove Township

Hazard Class: Low

Owners: Township of Upper Pittsgrove, Jodi and Mark Leonetti.

Last inspected: 2017 by "Alaimo Group"

Next inspection due: 2021

EAP: N/A

O&M: To be prepared by April 2018

Condition: Poor

**Camp Karney Dam 30-8 (aka Avis Mill Pond Dam and Camp Crockett)**

Pilesgrove Township

Hazard Class: Low

Owners: Salem County

Last inspected: 2017 by "Alaimo Group". Inspection report completed and submitted.

Next inspection due: 2019

EAP: None.

O&M: None.

Condition: **Unsatisfactory**

Design for rehabilitation by "Churchill." There is a \$1.3M loan for this project, under the 2004 NJDEP Dam Restoration Loan Program. Interest rate: 2%; term: 20 years. Approximately \$300,000 of funds have been spent on engineering and permitting; **an additional \$1,000,000 is required** (Latest cost estimate is approximately \$2,000,000). Dam Safety has downgraded the dam to "Low Hazard"; consequently, additional funding is not available from Dam Safety. Draft O&M Manual prepared by the Salem County Engineer's Office. NJDEP Dam Safety and Freshwater Wetlands permits received. Approval of easements from NJDEP Green Acres is required. Dam Safety permit expired April 24, 2018. Information requested by Green Acres for easements has been forward to Churchill for responses. The lake will be lowered by 16" due to deteriorated sheeting. An application for Discretionary Aid is being prepared and will be submitted: this should be accompanied by endorsements from Pilesgrove and the Boy Scouts and a Resolution from the Freeholders authorizing the application and construction operations.

**Elmer Lake Dam 31-10**

Pittsgrove Township

Hazard Class: Significant

Owners: Salem County, NJDEP Division of Fish and Wildlife

Last inspected: 5/4/11

Next inspection due: 2014. To be done by NJDEP.

EAP: Submitted.

O&M: None. NJDEP will prepare the O&M.

Note: Resident questioning water level in lake

**Willow Grove Dam 31-23**

Pittsgrove Township

Hazard Class: Significant

Owners: Nature Conservancy

Last inspected: 10/29/10

Rehabilitation design by "Pennoni". Rehabilitation construction contract amount: \$3,731,607.21. Contractor: "South State, Inc." Federal funding: 80%; County match: 20%. Construction complete. Final payment approved by Freeholders on 9/20/17. As-built plans completed and submitted to NJDEP Dam Safety.

**Palatine Lake Dam 31-8**

Pittsgrove Township

Hazard Class: Significant

Owners: Palatine Lake Homeowners Association

Last inspected: 2017 by "Alaimo Group". Inspection report completed and submitted.

Next inspection due: 2019

EAP: Done. O&M: Done.

Condition: Poor

**Thundergust Pond Dam 35-19**

Pittsgrove Township

Hazard Class: Significant

Owners: NJDEP Division of Parks and Forestry

Inspection: NJDEP will perform the inspections.

**Parvin Lake Dam 35-2**

Pittsgrove Township

Hazard Class: Significant

Owners: NJDEP Division of Parks and Forestry

Inspection: NJDEP will perform the inspections.

**Coxhat Pond Dam 34-25**

Quinton Township

Hazard Class: Low

Owners: Richard E. and Frances Haash

Last inspected: April 2017 by "Alaimo Group"

Next inspection due: 2021

O&M: Needs to be prepared and submitted by October 30, 2017.

Condition: Fair.

**West Branch Dam 34-27**

Lower Alloways Creek Township

Hazard Class: Low

Last inspected: May, 2015 by "Alaimo Group"

Next inspection due: 2019

H&H, Stability and Failure analysis recommended.

No O&M

The inspection report recommends immediate repairs, and preparation of an O&M Manual. The ownership of the dam needs to be confirmed to determine responsibility for repairs.

**Cobbs Mill Dam 34-6**

Alloway Township

Hazard Class: Significant

Owners: William Cobb, Alloway Township

Last inspected: 2008

Next inspection due: Past due. Subject to resolution of legal matter.

Design contract for decommissioning awarded to "Pennoni Associates" in the amount of \$56,140. "Pennoni" has completed the field survey and wetlands investigation. Wetlands report completed; H&H completed for existing and dam breach including Thundergut Pond Dam. **Design ongoing; Additional owners, not previously identified, to be notified of the proposed dam decommissioning and lake dewatering. Water lowering permit application received for signature.**

*Mr. Bitgood stated that we received a request from "Pennoni" to assist with the removal of a deck that is bolted to the top of the secondary spillway drop bow. A brief discussion ensued. Mr. Crawford will coordinate with Ray Owens and "Pennoni".*

**STORMWATER**

**Stormwater Pump Station, Fort Elfsborg Road, Elsinboro:** Flooding of Fort Elfsborg Road, County Road #624 and surrounding area occurs during heavy rains and high tides. Concept plans and cost estimates, preliminary schedule prepared for a stormwater pump station. Funding application submitted through njemgrants.org. Funding amount is \$990,000 with a County match of \$110,000. NJOEM assisted in the preparation of a benefit-cost analysis (BCA), and appears confident that the project will receive funding. Additional information provided to NJOEM on 3/14/17. BCA approved. Application is with NJOEM for submission to FEMA. "F & A" has submitted proposal for Design/Permitting/Construction; RFPs prepared for Archaeological and Geomorphic studies.

*Mr. Ridgway reported that Mr. Pompper is in discussion with FEMA in an effort to reprogram the FEMA funds to other Salem County FEMA projects.*

**ENVIRONMENTAL**

**Gateway Business Park Biennial Certification:** Contract awarded to: "Pennoni Associates" in the amount of \$2,500. Additional funds were authorized in the amount of \$3,175. The Remedial Action Permit has been received. The next scheduled date for biennial certification is due December 7, 2019. "Pennoni" has received additional compensation of \$2,200 for their extra work in responding to NJDEP's requests, for a total contract amount of \$7,875.

**TRAFFIC**

**1. SJTPO Funded Traffic Studies:** The SJTPO FY2018 Salem County Sub-Regional Planning Grant includes \$24,000 for consultant studies. The funding is to be used for various intersections and road analyses by a traffic consultant. Awarded to "Remington and Vernick" in the amount of approximately \$21,700 for four (4) locations, including Parvin Mill Road, Watsons Mill Road at Commissioners Pike; Route 40/45/Bailey Street; and the intersection of Welchville-Alloway Road and Acton Station Road in Alloway. At the request of Pennsville Township a signal warrant analysis for the intersection of Hook Road and East Pittsfield Street was added to the scope of work, at approximately \$2,500, keeping the contract below \$24,000. Traffic studies received. Recommendations under review in the Engineer's Office to identify items that may be completed by the Road Department.

**2. Lower Alloways Creek Crosswalk:** A crosswalk has been requested by Lower Alloways Creek Township across Locust Island Road, County Road #658 at the post office. A resolution of the governing body was submitted. Crosswalk study was reviewed by the County Engineer. **The crosswalk study prepared by the previous County Engineer, "Alaimo Group" indicates that the installation of a crosswalk area can be accomplished subject to compliance with the latest Manual on Uniform Traffic Control Devices (MUTCD) standards, to include construction of sidewalk with handicap accessible ramps on both sides of Locust Island Road, County Road #658, the installation of stop lines approximately twenty feet (20') prior to the crosswalk location, signage indicating vehicles should stop for pedestrians within the crosswalk and warning signs prior to the crosswalk area to alert drivers to the possibility of pedestrians crossing the roadway.**

*Mrs. Ford reported that Mr. Bitgood has been asked to review the Crosswalk Study and the costs associated with complying with the MUTCD Standards.*

### **MISCELLANEOUS**

**ARC of Salem County:** Grant administrator: "Triad Associates." The project is parking lot resurfacing, striping ADA improvements and site lighting. Amount of CDBG funding: \$300,000 of which \$250,000 is for construction, \$15,000 (5%) is for grant administration, and \$35,000 (12%) for engineering. Contractor: "South State." Contract amount: approximately \$254,000 including site lighting and electrical work. Change Order No. 1 in the amount of \$250.00 for detectable warning surface quantity adjustment approved by the Freeholders on 9/20. Paving completed. **Project completed; sinkhole formed under sidewalk repaired. Status of wage compliance needs to be confirmed with Triad.**

**SJTPO FY18 Port Area Planning Study:** SJTPO awarded a contract to "AECOM" for a multimodal transportation planning study of the Salem Port area. The study describes the existing operations of the port and make recommendations for improvements to rail, water and roadway infrastructure improvements. The existence of this study will form the basis for future funding applications. Study has been completed.

### **RAILROAD**

#### **1. Salem County Railroad Port Area Improvements:**

Project includes railroad rehabilitation from Fifth Street to West Broadway in Salem City; and replacement of bulkhead behind the former "Ardagh" (currently "Polk") glass building. The owner has requested two (2) secondary tracks along the building. This would require some additional design work to determine if it is feasible, and if so, to make changes to the plans in order to accommodate the secondary track. One of the secondary tracks (if construction is feasible) would require redesign/relocation of part of the back sheet pile wall and redesign/relocation of the drainage inlets/piping system along the back of the wall. Additional design and construction costs would be the responsibility of the property owner.

#### **Engineering Services**

- Award of contract to "Alaimo Group" 2/21/18. Subconsultant agreement with the LSRP has been signed.

#### **Funding**

- NJDOT FY2018 Local Aid Infrastructure (LAIF) funding in the amount of \$3,000,000.
- NJDOT County Aid 2017 includes this project for additional funding.
- FEMA funding for repair of a 300-foot section of the bulkhead in the amount of \$274,726 to restore the bulkhead to pre-disaster conditions, and an additional \$151,315 for hazard mitigation

improvements, for a total of \$426,041. The funding provides 90% reimbursement of eligible costs. FEMA deadline for completion: October 30, 2018. FEMA Quarterly Report submitted for the period October 1-December 31, 2017.

- Inspection and material testing costs are eligible for reimbursement to the County under the 2017 NJDOT County Aid Funding up to 15% of the construction cost, or up to \$519,720.85 based on the contract amount.
- The “Alaimo Group” requested reserving construction funding in the 2017 County Aid program for up to \$200,000 in the event extra work is necessary.

### **Permits/Environmental**

- NJDEP CAFRA permit received.
- NJDEP General Permit-By-Rule 10 (online permit) received for bulkhead replacement.
- SESC Certification received.
- NJPDES 5G3 Stormwater Construction Permit (online permit) received.
- Deed notices and remedial action permit identified by Gary Brown, LSRP, “RT Environmental”.
- “Alaimo Group” has retained “RT Environmental” as LSRP for the railroad/bulkhead project:
  - ❖ Services to be provided:
    - Preparation of a Soil and Concrete Reuse Plan due to the deed notice and remedial action plan, and providing proper Notice to NJDEP. Reuse Plan prepared by “RT Environmental”.
    - Determination of whether soil can be removed from the site as per the contract. “RT Environmental” indicated that soil removal should be able to take place as per the contract.
    - Excavation oversight.
    - Review of excavated materials, required soil testing and disposal locations. Contractor’s soil sampling plan submitted to “RT Environmental” for review.
    - LSRP Report to NJDEP to document proper project completion and material disposal.
    - Attendance at meetings as needed.
- Dewatering: Excavation of material along the bulkhead may necessitate dewatering. Discharge of this water into the Creek may not be allowed; that there is an existing NJPDES-SIU permit for discharge of wastewater and contaminated storm water to the Salem City treatment plant; and that dewatering discharge may be able to be treated via this system. Upon review of the Deed Notices provided by “RT Environmental”, it does not appear that the Deed Notices affect the area to be excavated for the bulkhead construction.

### **Easements**

- Easements needed from “Polk” and “Aluchem” for work on their properties.
- Mike Mulligan prepared an easement for the “Ardagh” site and sent it to Gary Brown for signature by “Polk”. Property owner: 83 Griffith St, LLC with the address being: Harold Polk, Jr., 3333 Allen Parkway, Houston, TX 77019. “RT Environmental” indicates that “Polk” has signed the easement and returned it to Mike Mulligan for execution by the County. Finalized easement to be approved by the County by resolution.
- Still need easement from “Aluchem”. Apparently the owner objects to the easement. Eminent domain has been filed and construction may proceed. “Aluchem” is not expected to contest eminent domain.

*Solicitor Mulligan reported that everything is in order concerning the "Aluchen" Easement*

### **Construction**

- **Contractor:** "Richard E. Pierson Construction Company, Inc.". **Contract Amount:** \$3,464,805.65.
- **Preconstruction meeting** held 12/12/17; Notice to Proceed issued effective 12/26/17. **Contract Period:** 180 days.
- **Submittals received from Contractor for review are being processed. Construction schedule on hold pending resolution of easements and environmental/soil issue.**
- **RFI#1 from Contractor:** There is a secondary track located at Approx. Sta 10+00 to Sta. 5+50, which is not detailed on the plans. The secondary track is located in between the existing main track and the building. A good portion of the track is buried, but it appears to be in conflict of new 15" RCP drainage run. "RT Environmental" received permission from "Polk" to work with us on this issue.
- **Deed Notice requirements and restrictions were provided to "Richard E. Pierson Construction Company, Inc." for their use.**
- **"RT Environmental" is reviewing "Richard E. Pierson Construction Company, Inc.'s" request for use of the "Heinz" site for sheeting storage area.**
- **Project nearing completion. Final walk-through inspection will occur at completion of construction.**

### **2. NJDOT Grants #7100322 and #7115325 - Salem Branch Railroad Chestnut Run Culvert Replacement and Railroad Rehabilitation Phase 8, MP 17.11 to 17.64, Woodstown Borough**

- **Project funding (Culvert):** Total = \$490,222.00, State funding is 90%, Sponsor share is 10%.
- **Project funding (Railroad):** Total= \$747,600, State funding is 90%, Sponsor share is 10%.
- **NJDOT deadline for completion:** Culvert-9/21/18; Phase 8 Rehab-11/4/18 Status update requested by Kimberly Giddens of NJDOT Multimodal Grants and Programs.
- **"Alaimo Group" requested a 6-month extension of time for completion of culvert. NJDOT denied the requested extension. "Alaimo Group" cannot complete the Culvert Replacement project on time. NJDOT has suggested, if completion is not achievable by the due dates, that the County apply for funds for the project(s) for the 2019 program.**
- **"Alaimo Group" proceeding with Railroad Rehabilitation Phase 8, with a required completion date of November 4, 2018. Bids were received on July 17th, with award by the Freeholders on July 18th. Contract was awarded to "Railroad Construction Company of South Jersey, Inc.". Project completed.**
- **Current funding for the culvert replacement will be terminated. Re-application needed for a 2019 Grant for the culvert replacement.**

**3. NJDOT 2018 Rail Freight Assistance Program: Funding application submitted 9/15/17. Grant received in the amount of \$6,014,192.49 (90%), subject to a County match of \$668,243.61 (10%). "F & A" has provided a proposal to complete this work. Grant was awarded May, 2018; Construction must be completed by May, 2020 or grant may be lost. Construction operations will take approximately one year. County has not funded project to date.**



**4. TIGER Funded Track Rehabilitation – Woolwich Township - Phase VIb:** Project limits: From Oldmans Trestle north to Oldmans Creek Road, approximately MP 14.40 to 13.36. Contractor: “Railroad Construction Company of South Jersey” (RCC). Contract amount \$1,128,777. Work completed. Final change order and estimate for final payment to “RCC” to be submitted by “Alaimo Group”.

**5. TIGER Funded Track Rehabilitation – Mannington Township:** Project limits: MP 26.50 to 28.00 in Mannington Township. Contractor: “Railroad Construction Company of South Jersey.” Contract amount \$829,440.00. Work completed. Final change order and estimate for final payment to “RCC” to be submitted by “Alaimo Group”.

6. The Borough of Woodstown has proposed replacement of an existing 24" RCP that crosses two (2) sets of parallel railroad tracks between Broad Street and E. Grant Street due to poor condition and limited capacity with a new, larger pipe (although the replacement pipe is identified as a 24" DIP under the railroad tracks and 24" RCP otherwise). Due to site constraints, pipe replacement under the railroad tracks would be through trench excavation, rather than "jack and bore" construction, requiring removal, replacement and reinstallation of rails, ties, ballast and subgrade. We are coordinating with the Borough Engineer on project design to ensure that drainage and strength requirements are met. **Awaiting plans and calculations from Woodstown Engineer. Note: Woodstown may choose to postpone construction to coincide with the continuation of railroad rehabilitation under the NJDOT 2018 Rail Freight Assistance Program, if NJDOT Grant remains available.**

### **DISCUSSION ITEMS:**

*Freeholder Hassler reported that he had been contacted by Harry Kitchen of 123 Penns Grove-Auburn Road concerning a ditch issue. Mr. Crawford was asked to contact Mr. Kitchen - 609-774-3331 to investigate.*

#### Engineering:

*Mrs. Ford asked if there has been any activity on the permanent closure of "Buckhorn Bridge". The County Engineer was asked at our October meeting to prepare an "Assessment" of the bridge, including signs and location for placement of the appropriate signs. Mr. Bitgood stated that the County should notify the State if the bridge is to be permanently closed. A brief discussion ensued. Freeholder Hassler suggested that this issue be turned over to the following administration to be decided upon.*

*Mrs. Ford stated that at the last meeting she attended a tentative date was set for the conference call to discuss the "Transportation Bank Loan Program"; that date was November 9<sup>th</sup>, 2018. Question whether there was a meeting or if there is any action needed by this Department. A brief discussion. No decision or additional information at this time.*

*Mrs. Ford asked if there was any action expected from this Office concerning the "Mid-Atlantic Center – Small Cities Project"? A brief discussion ensued. Mr. Ridgway explained that "Triad" is working on the Grant and "Federici & Akin" have been asked to assist with the plans and specifications.*

*Mrs. Ford announced that the FY 2019 Local Freight Impact Fund applications are due by January 11, 2019.*

*Mrs. Ford reported that there is a Stakeholders meeting on November 27, 2018 at 1:00 PM with NJDOT to discuss the NJ Transportation Asset Management Plan (TAMP). Is anyone interested or available to attend? A brief discussion ensued. No one is available to attend.*

*Mrs. Ford reviewed the following requests from Municipalities:*

1. Alloway Township- request for marked crosswalks on county roads. Mrs. Ford presented the request for marked crosswalks at the intersections of: Greenwich Street, County Road #540 and Main Street, County Road #581; Alloway-Friesburg Road, County Road #640 and South Greenwich Street, County Road #540; and Main Street, County Road #581 and

- Cedar Street, a local road. A brief discussion ensued. These locations will be investigated and a recommendation made by the County Engineer at the next meeting.*
2. *Mannington Township - request for reduced speed limit on Cheney Road, County Road #669. A brief discussion ensued. County Engineer's Office will investigate and made a recommendation at the next Public Works meeting.*
  3. *Pittsgrove Township - request for a variety of signs on Upper Neck Road, County Road #690. A brief discussion ensued. Mr. Owens will be asked to install the appropriate "School Bus Stop Ahead" sign.*
  4. *Pittsgrove Township - request for traffic study at intersection of Garden Road, County Road #674 and Centerton Road, County Road #553. A brief discussion ensued. Study - Not Warranted.*
  5. *Pittsgrove Township - request from "Parvin State Park Appreciation Committee". A brief discussion ensued. No action to be taken by this Committee.*
  6. *Pittsgrove Township - request for action on storm drain on Fork Bridge Road, County Road #671. A brief discussion ensued. Mr. Ridgway reported that he will ask Mr. Owens to investigate and take the appropriate action.*
  7. *Upper Pitts. Twp. - Request from resident, William Mayhew - to raise the weight limit on Robinson Bridge. Mr. Bitgood will meet with Mr. Owens to investigate.*

*Mrs. Ford stated that as of this date - no written report has been received from the September 19 and 20, 2018 EPA Inspection of the County's stormwater policy and activities.*

Public Works: *Mr. Owens was unable to attend today's meeting.*

Bus/Rail Road: *Nothing new to report.*

Facilities Management: *Nothing new to report.*

Mosquito: *No items.*

Planning Board: *No items.*

**DATE OF NEXT MEETING:** *The next meeting of the Public Works Committee is scheduled for TUESDAY, DECEMBER 11<sup>TH</sup>, 2018 at 10:00 AM.*

*A motion was made by Steve Schalick, seconded by John Crawford, that, the meeting be adjourned. Motion carried.\**

Respectfully submitted,  
*Diana Ford*  
Diana Ford  
Chief of Administrative Services

*\*Solicitor Mulligan - recused himself from all motions made and votes taken*