

Jon Sever, Engineering Dept.
Report for 7-20-22 CC meeting

Internal Project Reviews

Paving Change order - \$900k+/- job ~ change order for \$112 add. Pavement 12% overrun on project.

Hook Road Phase 2 – 5 years no design completed – No permits – funding avail.

Strom Water permit management – very little work completed in last 2 years – full system mapping was to be completed by end of 2022.

Quinton Alloway Road – HC ramp and signs. Nearly two years waiting on design change – Contractor has completed majority of project.

New Bridge Road Paving issues – poor QA/QC control and No PM oversight on project

Internal Task Accomplished:

Safety Review – replaced PPE

Reorganized the office – moved staff around and general project clean up

Inhouse electronic staff scheduling set up

Staffing Adjustments – Reassigning staff assignments to better fit with job titles

Non Engineering tasks transferred out – HR Tasks and Fuel Farm

2022 Engineering Budget making recommendations for 2023 funding of upgrading engineering office

Department silos removed – weekly coordination between Roads/Mosquito and Engineering

SJ Gas Moratorium Map and Revised Details

Avis Mill Pond Restored

Windport Pavement Study funded by NJDOT – Hook Road, Grives Parkway, Salem Hancocks Bride Rd. & Harmersville Pecks Corner Road.

Paving Contractor review – Called SSI to Clear 8 ongoing contracts with 16 projects total so that we could send to NJDOT for Payment. Each contract had outstanding items that needed addressed and most are completed and being sent to NJDOT for review.

Resident Complaints Addressed:

Buck Road – Accidents – Traffic Study being done

Alloway Aldine Rd – Speeding – Enforcement recommended – Newly Paved Road

Glassboro Road – Accidents – Adding additional Signage on Curves and rumble strips

Municipal Requests Addressed:

Oldmans Twp:

Mill Street Truck Traffic and Causeway Bridge Traffic – *Pedrick Town* New Signage Being Added – Plans being developed.

Alloway Twp:

New Signs Per Traffic Study - Watsons Mill & Alloway Aldine Rd. Plans Completing By 7-22 Install by 8/30

New Signs Per Traffic Study - Watsons Mill & Commissioners Pike. Plans Completing By 7-22 Install by 8/30

(This has been around since 2017)

LAC:

Hancocks Bridge – Load restricted due to increased traffic – Traffic Rerouted to Harmersville Pecks Corner Road. New Load Limit Signs to be added to the bridge with Road department assistance.

Ongoing Inhouse Projects Engineering and Planning:

Project Management software: reviewing various vendors to select a PM platform. This will bring a level of project tracking and accountability to the engineer's office. With its implementation we will be able to track how well or bad any of our consultants are managing a project. This will also assist in completing projects in timelier manor compared to the years that we have currently. Completed the conversion of the 59 page word document into an excel spreadsheet so that the data can be imported when needed and to satisfy the request from NJDOT.

Staff Training – Looking into PM training for staff and NICET training for inspection work. Additionally working on getting all field staff First Aid/CPR training

OnBase Document Management system: In the early stages of setting up on-base to scan and convert all paper records to digital. Working out system setup details. Staffing in place once system is setup.

Windport Alt. Route – NJDOT is looking at possibility of Replacing New Bridge – Met with NJDOT Bridge Engineers at New Bridge for Site Visit end of May

Windport PR campaign – working on concept plans for event staging

Windport Repaving of Hook Road – NJDOT is working on funding temp. repave 1,200 feet of hook road at the pump station.

Storm Water Permit Compliance and Asset management Program: Developing a plan and standards to bring the county back into compliance with the current NJDEP permit with a GIS & Asset management program. Currently meeting with various software vendors for software programs to manage the permit requirements of Inlets, Outfalls, Pipe Network, ditches, sluice gates, Road network, Grate Replacement, facilities, debris removal containment & street sweeping quantities.

GIS Data sets for OEM: in conjunction with the Storm Water plan, building out data sets with Matt in Planning - helps to add in county assets such as bridges and buildings into the IISAP program for disaster planning.

Guild rail Contract: Spent temp budget up to the point we will be putting out an on-call service contract. Working on a system to have auto insurance to reimburse the county for the repairs, much like ACE does with Poles. Working on setting up a special account to deposit the funds and billing of insurance.

2019 Pavement Assessment Updates: Looking into updating the last survey to better prioritize our ongoing road maintenance program: Ties into the Asset management Plan This will also help identify correct funding from NJDOT such as RFAP rail/fright funds.

County Road Sign inventory: Again, tied to the asset management system, we will be able to identify the non-compliant signage on our highways and better budget for replacement and upgrades.

Bridge location inventory Map - Converting our paper Bridge location maps to digital. Matt is working on this. Another asset management project which will allow us to link our historical data to the current

bridge inspection report in one central location. Once completed, this will allow for tracking of maintenance and damage reports if ever needed for a FEMA re-imbursement after a declared event.

Ditch and Sluice Gate Inventory mapping: Same as bridge mapping but in conjunction with Mosquito and Roads. Also, a requirement for our storm water permit.

Alaimo Projects: Working on closing out or Advancing 1/4 of the projects that Alaimo Group is responsible for. Currently many of the 150 projects have been delayed for various reasons and are being looked at for internal completion. Some projects date back to 2007, 2010 & 2012.

2007 Camp carney Dam

2010 LSRP & Environmental Remediation at Various sites for tanks (Lic. Site Remead Prof.)

2012 Fort Elfsboro Roadway

Permit Automation:

Road opening Permits

Driveway Permits

Coin Drop Permits