



TOWNSHIP OF HOWELL

DEPARTMENT OF COMMUNITY DEVELOPMENT & LAND USE

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TOWNSHIP OF HOWELL ENGINEERING PROJECTS STATUS REPORT OCTOBER 21, 2019

A. MUNICIPAL CAPITAL PROJECTS

1. 2017-2018 Curb and Apron Program

This program will allow the Department of Community Development to address emergency repairs to curb, ADA ramps and driveway aprons within the Township right-of-way. This program will be utilized in areas not planned for major capital paving improvements.

UPDATE 10/18/2019: Precise Construction, Inc. of Freehold, NJ continues to work throughout the Township replacing curb and aprons as needed. Lately they have been following the water company in Candlewood to prepare the roads for repaving by NJAW's contractor.

2. 2018 Capital Program #1 – Cranberry Road – NJDOT Municipal Aid

Capital Program #1 was slightly delayed in design and by the time the construction contract was awarded to Earle Asphalt of Farmingdale, NJ the weather had turned colder and was no longer conducive to starting construction. Therefore we held off on the start date last year and will tentatively begin construction on March 28th. The contractor will begin with some drainage and curb improvements which will be followed by pavement resurfacing.

The project will be coordinated with the following other projects that are on-going; the County intersection improvements at Colts Neck Road and the sewer pipe installation proposed by Eosso Brothers. The overall project will go from Yellowbrook Road to the limit of the paving project in 2012 (house #302) and then again from just east of Colts Neck Road to Remington Court. The stretch from Remington Court to Asbury Road was repaved by NJAW after their water main installation was completed last year.

UPDATE 10/18/2019: Earle Asphalt has completed 99% of the project and only punch list work remains. The contractor is expected to complete the punch list and close out the project in November.

3. 2018 Capital Program #2 – Mill & Overlay

Capital Program #2 is 85% complete and was stopped due to cold weather conditions last November. The project has restarted on March 18th and will continue until it is complete. The project will utilize traditional mill and overlay processes to resurface the roadways. Roads included in this project are:

Parkway Pines Development		
Street Name	From	To
Sunset Drive	Lockwood Avenue	Roberta Drive
Western Drive	Pine Creek (stream crossing)	Ramtown-Greenville Road
Vivian Court	Entire Length	
Wilson Drive	Lockwood Avenue	Alan Terrace
Glen Arden Development		
Brandywine Drive	Entire length	
Cobblestone Court	Entire length	
Flintlock Drive	Entire length	
James Hollow Court	Entire length	
Liberty Court	Entire length	
Musket Court	Entire length	
Nantucket Court	Entire length	
Timberline Drive	Entire length	

Oak Glen Development		
Street Name	From	To
Jumping Bush Way	Entire length	
Rita Drive	Entire length	
Starlight Road	Snowdrift Lane	Quailtree Lane
Sweetbriar Trail	Starlight Road	Kiwi Loop
Miscellaneous Roadways		
Rodeo Court	Entire length	
Friendship Road	Brandywine Drive	Hilltop Road

UPDATE 10/18/2019: Earle Asphalt is wrapping up the project with only punch list work remaining. Once the punch list work is completed within the next month we will close out the project and remove it from the list.

4. Freewood Acres & Route 9 Sewer Project

The purpose of this project is to provide sanitary sewers within Freewood Acres & along Route 9 in an effort to improve the health, safety and welfare of the residents and businesses in this region. This is the largest capital project ever undertaken by the Township. The construction project was awarded to Lucas Brothers Inc. of Morganville, NJ and work started in September 2018. Work is approximately 50% complete at this time and sewer mains have been installed in the following locations:

West Side		
Street Name	From	To
West 1 st Street	Entire length	
West 2 nd Street	Entire length	
West 3 rd Street	Entire length	
West 4 th Street	Smith Street	Route 9
West 5 th Street	Smith Street	Route 9
West 6 th Street	Smith Street	Route 9
Freewood Street	Smith Street	Hulses Corner Road
Theresa Street	Hulses Corner Road	West 6 th Street
Smith Street	Entire length	
Hulses Corner Road	Smith Street	Theresa Street

East Side		
Street Name	From	To
East 1 st Street	Roosevelt Avenue	Pearl Drive
East 2 nd Street	Entire length	
East 3 rd Street	Entire length	
Roosevelt Avenue	Entire length	
Frederick Avenue	Entire length	
Pearl Drive	Entire length	
Ermack Street	Entire length	
Helen Avenue	Entire length	

Lucas Brothers has been utilizing two or three crews depending on the day and will continue to do so until the project is complete. Two crews are currently working on the east side of Route 9 to complete East 4th 5th & 6th Streets. The third crew is working on Hulses Corner Road, which will eventually connect the entire east side to the existing sewer system. The work on Hulses Corner Road has proven to be extremely difficult and slow moving. Excavating 22-ft down in high groundwater with sandy material requires extreme measures. Dewatering systems and steel sheeting were required to safely excavate in this area. Lucas Brothers continues to make progress down Hulses Corner and will pass Hall Avenue within the next week.

The Township also passed a bond ordinance allocating funding to assist New Jersey American Water (NJAW) with installing water mains in this neighborhood. The water company project was awarded to two different construction companies, CRJ Contracting Inc. of Somerville, NJ and Perna Finnigan Inc. of Vineland. CRJ is working on the west side of Route 9 while Perna Finnigan is working on the east side. This was split to speed up construction and get all of the water mains and services installed by the end of this year (2019).

With the expectation that water lines will be completed by the end of 2019, we are anticipating sending letters to residents and commercial property owners starting in January 2020 stating connections can start being made for both sewer and water service. This will be done for streets that have both utilities installed and ready for service. If a street does not have both utilities ready for connection then a letter will not be sent until those utilities are complete.

5. Bear Swamp Pond Dam Replacement

When the Township acquired the Van Schoick/Murray property as an addition to Bear Swamp, we inherited the pond, dam and outfall structure. Based on a regular inspection of this dam, the NJDEP required the full replacement of the dam and outfall structure. The Township awarded a construction contract to Precise Construction, Inc. of Freehold, NJ and work began in February. The contractor was substantially complete by May and pond was filled at that time. He recently completed the installation of one last long-lead time item and the project is complete. We will be closing out the paperwork in November.

Earlier this week we received a “Distinguished Engineering Award” from the New Jersey Alliance for Action for this project. We are happy to receive this award for a project that provides access to the beautiful Bear Swamp Natural Area and fishing opportunities at the Bear Swamp Pond.

6. Lake Louise Dam & Bridge HL-73 Replacement

The Township entered into a shared services agreement with Monmouth County to replace the Lake Louise Dam and County Bridge HL-73. Part of the cost share agreement includes the sale of the Township dredge to Monmouth County for \$319,000. Design is complete and the entire package was submitted to NJDEP for final permits in September. Once permits are received the County will advertise for bids for construction.

7. 2018 Pavement Patch Program

Similar to the Curb & Sidewalk Program, the Patch Program will allow for the Department of Community Development to address repairs to roadways throughout the Township that require attention beyond the capabilities of DPW. Many roads throughout the township have small isolated areas that are beyond pothole patching but the rest of the roadway is otherwise in good condition and does not require full

resurfacing. Some areas are in roads that will eventually be repaved however the damage is so severe that we have to repair an area for now until the full paving program can begin. Patching these isolated areas will extend the service life of the overall roadway and save the Township funding in the long run.

UPDATE 10/17/2019: L & L Paving, Inc. of Farmingdale, NJ continues to work around the Township by patching large areas of poor pavement. We have spent approximately 90% of the funding allotted for this project and will continue to work this fall until the weather turns cold and the funding is expended. Based on the success we had with this project we plan to award another patch program in 2020 to continue to address spot repairs on roadways around the Township. This program is in addition to the large resurfacing programs that will start next spring.

8 2017-2018 CDBG Program – Casino Drive

After a three year process to obtain funding through the Community Development Block Grant (CDBG) program, the Township was able to sign all of the agreements and prepare plans for the resurfacing of Casino Drive. Design work was performed in-house and a construction contract was awarded to Fiore Paving of Oceanport, NJ in the beginning of the summer. Work was performed in July and August and the road was completely repaved by mid-August. Our contractor is performing final punch list work and we will close out the project in November.

9. Soldier Memorial Multi-Use Building

In October 2018 the Township applied to the Monmouth County Municipal Open Space Program requesting a \$250,000 grant for the construction of a multi-use building at Soldier Memorial Park. The proposed building will contain restrooms, a concession area and a storage area and will be located near the central playground between the soccer fields and softball fields. The County notified us in January that Howell was one of two towns out of fifteen total awards that received the full \$250,000 grant request. The grant requires that the Township match the award amount however we anticipate that the total project cost will be roughly \$750,000 and we will utilize existing open space funds to make up the difference.

UPDATE 10/17/2019: Project agreements and the environmental phase 1 report were completed and approved by the County. We awarded a design contract to Settembrino Architects of Red Bank and they are working on design documents now. The survey is complete and site design is also progressing. Based on our anticipated design schedule, the project will be out to bid in February.

10. 2019 Capital Program #1 - Howell Road (NJDOT Municipal Aid)

Howell Township received a \$250,000 grant from the NJDOT Municipal Aid program for the resurfacing of Howell Road between Vanderveer Road and State Highway Route 33 Business. Design work will be performed over the winter utilizing in-house staff engineers and the project will be bid in late winter for early spring 2020 construction.

11. 2019 CDBG Program – Havens Bridge Road

Howell Township received a \$130,400 grant from the Community Development Block Grant program for the resurfacing of Havens Bridge Road between County Route 524 (Adelphia Road) and the Manasquan River bridge. The proposed work will include minor concrete curb and aprons, drainage repairs, pavement subbase repairs and full width resurfacing. Design work will be performed over the winter utilizing in-house staff engineers and the project will be bid in late winter for early spring 2020 construction.

12. 2019 Capital Program #2 – Mill & Overlay

Capital funding from the 2019 will become available around the end of November. After that time we will select roadways to be resurfaced or reconstructed under this program based on the amount of funding provided. West Farms Road from Route 9 to Tyrpak Road will be included in this program as it was not selected to receive a grant by the NJDOT similar to Howell Road. Plans will be designed over the winter and construction is expected to being around early spring 2020.

B. MONMOUTH COUNTY LEAD PROJECTS

1. County Route 524 (Adelphia Road) and Ketchum Road

The County will be realigning this intersection to remove the sharp curve and create a smooth transition into and out of the intersection near Our House Restaurant. GPI has completed the design plans and the County is expected to advertise the project for construction bids by the end of 2019. The Township is coordinating with the County for new driveway locations in and out of Hoffman Field.

2. County Routes 549 & 21 / Newtons Corner Road Intersection Improvements

The County has resurrected a plan to reconfigure the 3-prong fork intersection to improve safety and traffic flow. The redesigned intersection will include a traffic signal and will make Route 549 the through movement. County Route 21 will be realigned to intersect Route 549 in a tee formation. Newtons Corner Road will widen out at the intersection to include dual left turn lanes onto Route 549 northbound. The lanes will merge back to one-lane approximately 1,000 feet north of the intersection to allow a reasonable merge at speed. The work will continue down Route 549 to include the intersection of Easy Street in Wall Township. This intersection will be widened on all 4 sides to include dedicated left turn lanes on each approach. Plans are complete at this time and final negotiations are underway with the adjacent property owners.

3. County Routes 549 & 21 & 547 Intersection Improvements

The County has awarded a design contract to reconfigure this heavily congested intersection just south of Interstate 195. While all of the details are still being worked out, there is a potential for dual southbound left turn lanes and a realigned Route 549

passed the Bear Swamp Brook. Design alternatives are currently being considered by the County.

4. County Route 524 & Halls Mill Road Realignment

Monmouth County has finalized the plans to realign Halls Mill Road further east to create a 4-way intersection with Edinburg Drive. The new alignment will create 4-lanes of traffic and a dedicated center turn lane between Bar Harbor Road to east of Edinburg Drive. Edinburg Drive will be widened to 4 full lanes with a center boulevard from Route 9 to Route 524. Halls Mill Road will be relocated to include 4 full lanes with a center boulevard all the way to Route 33. Bids for this project were received in September and we are awaiting the County Attorney's review of the bid packages before an award is made. Hopefully construction will begin later this winter.

C. NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) PROJECTS

1. None at this time.

D. NEW JERSEY AMERICAN WATER COMPANY (NAW) PROJECTS

1. Howell to Lakewood Transmission Main Project – Segment 3A-2 & 3A-3

New Jersey American Water is planning to install the next phase of their transmission water main from the treatment plant on Squankum Yellowbrook Road down to Lakewood to improve service and reliability. After much discussion on the impacts to traffic on Route 547 vs. local roads, NAW has decided to utilize Township roads to install their pipeline. While the detours will impact local traffic, we felt that was a better option than taking all of the commuter traffic on Route 547 and putting it on those same local roads. NAW has agreed to install fire hydrants along the route to potentially reduce homeowner insurance premiums and increase fire protection. NAW will repave all disturbed Township roadways along the route after the main is installed.

The first phase was completed last year and included Oak Glen Road from Route 547 to Maxim Southard Road and then Maxim Southard Road from Oak Glen to the bend near the railroad tracks. This section was 2.08 centerline miles (4.16 lane-miles). The next phase will continue the main in Maxim Southard to Maxim Road, then turn west down Maxim to Preventorium. Once on Preventorium it will continue north to Old Tavern Road, turn east and proceed to the DPW yard where it will traverse through our property and extend beneath Allaire State Park to the plant on Squankum Yellowbrook. This section will contain roughly 1.9 centerline miles of Township roadways and they will be repaved when complete. The main will provide a new potable water source for the municipal complex and eliminate the need to drill new wells and replace the water tower at the complex.

NAW applied to the Statehouse Commission for a diversion of NJDEP encumbered parkland. The diversion of 0.12 acres of open space land for the installation of the water main was approved by the Statehouse Commission back in June 2019. The

Township will be paid \$7,000 for the water utility easement which is ten times the amount of the appraised value of the land. Those funds must be utilized to purchase additional open space. The diversion area is a small strip behind the police firing range that is not utilized by the Township or the public. In addition to the payment for the land, the Township will be compensated for the fifteen (15) trees that must be removed to install the pipe. Due to the extensive NJDEP replacement calculations, the Township will receive an additional \$140,000 for those fifteen (15) trees. That funding must be utilized to plant new trees and we will create planting schemes at some of our larger parks to install trees and provide shade and cover in those parks.

The water company's bid opening for construction is October 24th and construction is expected to begin January 20th, 2020. Roads will be closed and detoured during this time. NJAW and their contractor will coordinate all detours with the Township Police Department.

2. Howell to Lakewood Transmission Main Project – Segment 4

This is tied into the Segment 3 project listed above and will loop the water main system from Lanes Mill Road at Castle Court up to Maxim Southard Road. The new main will continue north on Maxim Southard and tie into the existing system in the Woodstone Development at Talcott Road. An additional main will be extended down Locust Avenue to connect near Angel Court and complete the loop. These connections will improve the overall resiliency and reliability of the entire water network in the area. In order to cross the Polypod Brook at Echo Lake, NJAW must go around the County Bridge that carries Maxim Southard Road. After originally planning to directionally drill around the structure on the east side of the bridge, we determined that the state regulated high hazard dam and at least two (2) private residential drinking water wells would be impacted. Therefore since both sides of the road are Green Acres encumbered, we determined the best route of travel for the main would be a directional drill far beneath the lake. This construction method will not require any tree removal and will allow the drilling equipment to be set up off of the roadway for the drill process. When the main is complete there will be no evidence of it on the ground and the park will remain open just as it is today. As compensation for the linear easement along the pipe, NJAW will pay the Township \$57,000 for the water utility easement which is ten times the amount of the appraised value of the land. Those funds must be utilized to purchase additional open space.

3. NJAW Candlewood Main Replacements - Quarter 1 through Quarter 4 - 2019

NJAW is continuing their investment in Howell by scheduling the next rounds of water main replacements in Candlewood. They performed two separate rounds of replacements this year and all of their new mains are fully operational at this time. This round started on March 18th and was completed by June. The Township has been utilizing our curb & apron contract to replace deteriorated concrete on these streets while also repairing drainage structures and installing underdrain pipes. We will attempt to complete the concrete work on a few of the roads over the next month and

then have the water company repave those roads before winter. The remaining concrete work will continue as long as weather permits and then start back up again in the spring. Once our work is complete NJAW will return to fully repave the rest of the roadways.

Candlewood Development		
Street Name	From	To
Forrest Hill Drive	Entire length	
Kingport Drive	Entire length	
Lexington Road	Entire length	
Monticello Drive	Entire length	
Old Bridge Drive	Newbury Road	Taunton Drive
Old Hickory Way	Entire length	
Newbury Circle	Entire length	
Newbury Road	Taunton Drive	Salem Hill Road
Salem Hill Road	Newport Drive	Aldrich Road
Spring Hill Drive	Entire length	
Taunton Drive	Entire length	

E. NEW JERSEY NATURAL GAS (NJNG) PROJECTS

1. None at this time.

F. COMPLETED PROJECTS (Within the last +/- year)

1. County Route 524 / 524A / 547 Intersection Improvements
2. Bergerville Road Transmission Main Project
3. Howell Township Conversion Project – Reservoir Area

This update is being provided as a very broad overview of the Capital projects that are on-going throughout the Township at this time. This list is not all-encompassing and should not be construed that way. Should you have any questions, please do not hesitate to call this office.

Very truly yours,

TOWNSHIP OF HOWELL – DEPARTMENT OF COMMUNITY DEVELOPMENT

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