

# 2009 Road Program Summary

## Haddonfield Borough, NJ

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### **Tanner Street Utility Replacement and Roadway Reconstruction Project**

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Tanner Street is approximately 1,200 feet long by 30 feet wide and is one of the oldest roadways in the Borough. The roadway is located between Kings Highway East (Temporary State Route No. 41/CR 573) and the intersection of Euclid Avenue and Haddon Avenue (CR 561). There are several areas where the existing clay sanitary sewer main had previously been installed through existing brick and reinforced concrete storm sewer pipes, which discharge to the adjacent Hopkins Pond (also known as Silver Lake). Hopkins Pond, which is owned by Camden County, discharges through an existing dam structure to the adjacent Cooper River. In 2006, there was a sanitary sewer leak at the Library Point area, which through an existing cross connection location was discharged into the nearby Hopkins Pond resulting in a significant cleanup effort and short term ecological impact (i.e, fish kill). The cleanup of that discharge was monitored and approved by the NJDEP and the owner of the property, the Camden County Department of Public Works.

The purpose of the project is to eliminate the “combined” sanitary sewer and storm sewer piping and cross connections along the length of the roadway. Based on the estimated age of the infrastructure, which in some cases is over 100 years old, and the location of the “combined” sanitary sewer and storm sewer conflicts, as well as, conflicts with other existing underground utilities, including an existing 4 inch diameter cast iron water main and an existing 4 inch diameter cast iron gas main, it is necessary to remove and replace all of the existing sanitary sewer pipes, water main, and storm sewer piping. Upon completion and acceptance of all of the proposed utility work, the Borough will reconstruct the roadway and install additional decorative street lights, which were recently removed from the Kings Court pedestrian plaza.

As part of the design process, the Borough conducted a video pipe inspection of the existing sanitary sewer pipes and storm sewer pipes in the area. Based on the results of the inspection and the previously noted “cross connection” locations, it is necessary to abandon the existing 12 inch diameter clay sanitary sewer and install a new 12 inch polyvinyl chloride (often referred to as “PVC”) sewer main. As part of the new sanitary sewer main, each lateral (4 inch diameter pipes that connect the sanitary sewer main to the plumbing fixtures in each property) will be replaced from the new sanitary sewer main to approximately the curb line, where a new “clean-out” will be installed.

Also, the Borough reviewed the relative age, size and capacity of the existing municipal water main piping beneath the street. Based on this evaluation, it is necessary to replace the existing four inch diameter water main, with new eight inch diameter piping along the length of Tanner Street and portions of Euclid Avenue. As part of the water main replacement process, the individual water services (which are typically one inch diameter or smaller pipes) connects the water main to each property are also to be replaced from the new main to approximately the curb line, where the outside shut-off valves are located.

Each property owner in the project area is reminded that they are still responsible for the water service and sewer lateral from their house to the newly installed house shut-off and cleanout; however, a construction project such as this one is always a good time to consider having your plumber (or other qualified contractor) replace the remaining older piping.

The existing stormsewer piping systems, which handles most of the stormwater runoff from the entire downtown area, will be replaced with a larger new single reinforced concrete pipe from the intersection of Haddon Avenue and Euclid Avenue to Kings Highway East. As part of this significant amount of work, new stormwater inlets will be installed along the roadways and the existing piping will be either removed or properly abandoned in place.

Upon completion and acceptance of all of the proposed utility replacement work, the Borough will replace the existing concrete curbing, driveway aprons, and asphalt pavement in the project area. Additionally, the public bidding documents for the project will contain provisions for prospective contractors to provide “alternate” prices to install a variety of cost-effective streetscape and/or parking improvements. These alternate items primarily consist of improved pedestrian access through the Tanner Street, Euclid Avenue and Haddon Avenue intersection and the provision of approximately nine new parking spaces along Tanner Street at the Library property. Additionally, the alternate items will include “historic” clay brick paver crosswalks and curb extensions along Tanner Street at Stiles Avenue, Wilkins Avenue, Clement Street and Kings Highway East.