

ENGINEERING PROJECTS: PROGRESS REPORT

Transportation Capital Improvement Project

Facts:

- ◆ Washed away by storm the week before H. Matthew
- ◆ Closed to traffic September 29, 2016
- ◆ Total Cost= \$1,974,000

Sykes Pond Rd Bridge

Current Status: Sykes Pond Road is closed to traffic due to a section of the roadway being washed out by heavy flood waters the week before Hurricane Matthew. A bridge is needed to re-open the road. The design is 100% complete and permits have been obtained. The last easement has been acquired by the city. Additional funding was appropriated with the FY20 budget. Bid tab has been verified and CCAM completed to be put into Granicus for the January 13th Council Meeting to award contract.



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“Our plan for the Sykes Pond Road City of Fayetteville project during the shutdown due to the Coronavirus is to monitor the project weekly and after larger rainfall events for erosion, if maintenance of the erosion control devices is required we will mobilize to the site and take care of the maintenance issues. We plan to return to work on the project when the Governor lifts his emergency declaration and determines it is safe for normal activity again. Thank you for your understanding. We must consider the health and safety of our employees during this time.”



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Sykes Pond Rd Bridge

Current Status: Sykes Pond Road closed to traffic at Little Rockfish Creek on September 29, 2016, due to a severe weather event that washed out the roadway and culvert. The City will construct a bridge to span the open channel, which will greatly reduce the impact on the stream. Once construction is complete, the City will reopen the road to traffic.

The contractor is Smith-Rowe, and the Notice to Proceed was issued on March 16, 2020. The contractor worked for one week before the "stay at home" order was given from Governor Cooper due to COVID-19. The "stay at home" order will be lifted on May 22, 2020, and construction is expected to restart shortly after. The construction schedule is approximately 10 months.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe worked for one week before the "stay at home" order was given from Governor Cooper due to COVID-19. The "stay at home" order has been lifted, and construction resumed on Wednesday, May 27. The contractor has started to re-mobilize. They have cleared and installed erosion control on the south side. Clearing on the north side is underway, with approximately 75% complete. Once the clearing is complete, the erosion control will be installed.



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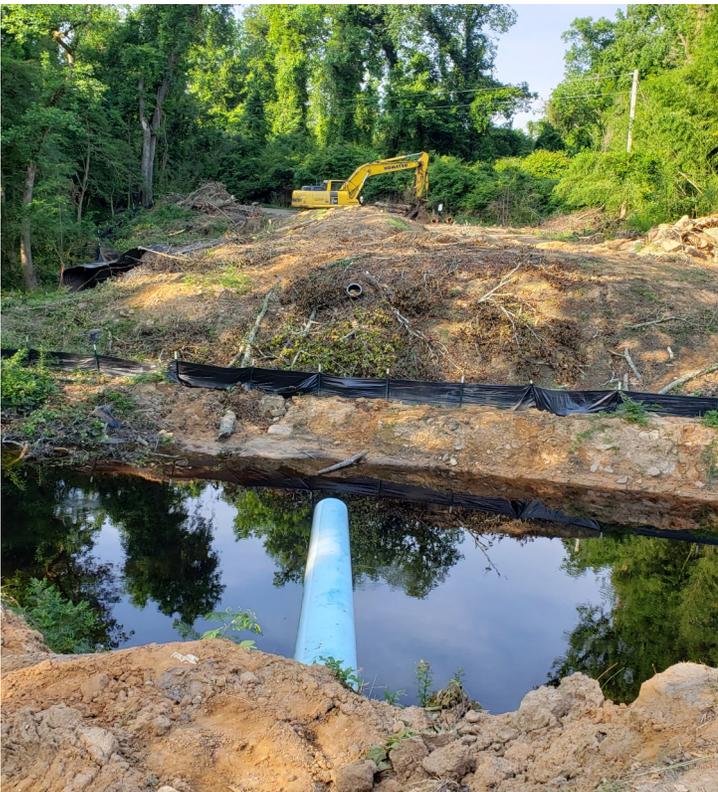
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Sykes Pond Rd Bridge

Current Status: Smith-Rowe resumed construction on Wednesday, May 27th, after the Governor’s “stay-at-home” order was lifted. The contractor has cleared and installed erosion control measures on the south side of the project. The clearing is complete on the north side, and erosion control measures are being installed.



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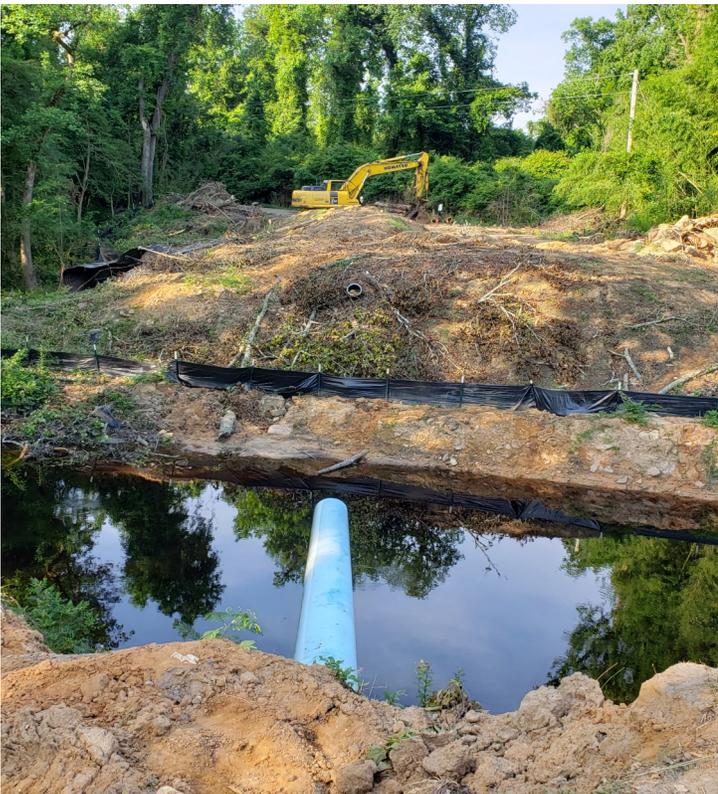
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Sykes Pond Rd Bridge

Current Status: Smith-Rowe resumed construction on Wednesday, May 27th, after the Governor lifted the “stay-at-home” order. The contractor cleared and installed erosion control measures on the south side of the project. The clearing is now complete on the north side, and erosion control measures installed. A grading crew mobilized to the project site and started to grade the end slope of the bridge and place rip-rap for slope protection. The contractor is in the process of demolishing and removing remnants of old concrete that remained in place from previous structures.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe resumed construction on Wednesday, May 27th, after the Governor lifted the “stay-at-home” order. The contractor cleared and installed erosion control measures on the south side of the project. The clearing is now complete on the north side and installed the erosion control measures on that side. The contractor is still hauling off brush piles from the clearing operations, removing asphalt pavement at the proposed bridge ends, and removing some of the pieces of old corrugated metal pipe that had washed downstream during the flood event. Also, they have started mobilizing the crane to the site.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe has cleared and installed erosion control measures on the north and south sides of the project. The contractor has finished mobilizing the crane, and the grading crew has completed earthwork on the approaching north side and the end slope. Placement of geo tech fabric and rip-rap on the north end slope is complete. Structure crew continues to remove and haul off pieces of arch pipe from the creek. Materials (rebar and other structural related items) are being delivered to the site.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe resumed construction on Wednesday, May 27th, after the Governor’s “stay-at-home” order was lifted. The contractor has cleared and installed erosion control measures on the north and south sides of the project. The contractor installed additional silt fencing in the northwest quadrant of the project. Subcontractor was on site doing temporary seeding. One area of the erosion control fencing had to be repaired due to a washout that happened during a rain event this week, also added an additional rock check dam to help with sediment washing. Concrete forms have been received and they are working on the early stages of preparing the pour of end-bent1.



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Sykes Pond Rd Bridge

Current Status: The contractor has cleared and installed erosion control measures on the north and south sides of the project. The contractor installed additional silt fencing in the northwest quadrant of the project. The contractor completed work of setting forms and placing rebar in preparation for pouring the first end bent and completed the pour, also working on forms for the wing walls for this end bent. The contractor is in the process of driving piles and PDA testing on the second end bent.



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Sykes Pond Rd Bridge

Current Status: The contractor has poured concrete for the wing walls and continued wrecking forms on the first end bent located on the south side. The contractor is also backfilling with ABC on this end bent. The second end bent, located on the north side, the contractor has cut off piles, assembled and set the rebar cage and is in the process of erecting forms.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe, Smith-Rowe completed assembling the rebar cage for the second end bent; completed forms and poured concrete for second end bent. Forms for the wing walls are set, and concrete poured for the wing walls. Galvanized piles for the aerial waterline have been delivered to the site. On both the north and south sides, two galvanized piles for the waterline have been driven, and pile top cut to elevation. Geo-fabric and rip-rap have been placed at first end bent.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe completed assembling the rebar cage for end bent 2; completed forms and poured concrete for end bent 2. The contractor set forms for the wing walls and poured concrete for the wing walls. The galvanized piles for the aerial waterline have been delivered to the site. The contractor has also driven galvanized piles for the waterline on the north and south sides and the pile top cut to elevation. They also placed geo-fabric and rip-rap placed at first end bent. Smith-Rowe has placed rip-rap at end bent 2 and attending to erosion control items this week due to the recent rainfall event from Hurricane Isaias.



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Sykes Pond Rd Bridge

Current Status: Smith-Rowe completed assembling the rebar cage for end bent 2; completed forms and poured concrete for end bent 2. The contractor set forms for the wing walls and poured concrete for the wing walls. The galvanized piles for the aerial waterline have been delivered to the site. The contractor has also driven galvanized piles for the waterline on the north and south sides and the pile top cut to elevation. Smith-Rowe continues to place geo-fabric and rip-rap at end bent 2 and attend to erosion control items due to recent rainfall events.



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Current Status: Smith-Rowe has started to place the box beams for the bridge. They have half of them installed and will have the remaining placed by next week. Once all beams are in place, they will tension them and will start to prepare the approach slabs so they can be poured.



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Current Status: Smith-Rowe has installed all of the box beams for the bridge. The box beams have been post-tensioned, and all grout placed between them. The contractor cut waterline piles to grade, and the cranes and removed the crane mats. They have also begun forming for the sidewalk.

