

DELDOT UTILITIES SECTION
POST-COORDINATION & CONSTRUCTION REVIEW MEETING: FINAL

STATE CONTRACT: T201707102; Br. 1-180 on Grant Avenue over Mill Creek

REVIEW MEETING DATE: March 12, 2025

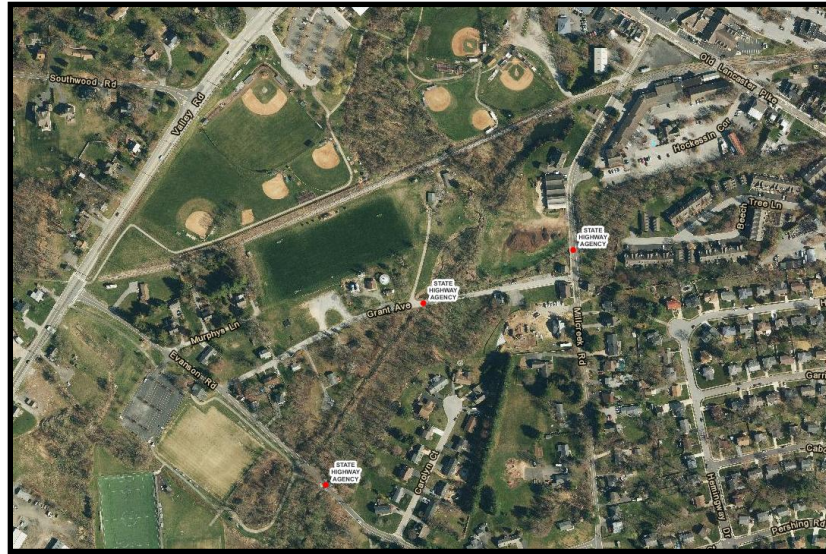
PREPARED BY: Alan K. Marteney, P.E.

Century Engineering, LLC, a Kleinfelder Company

INVITEE	ORGANIZATION	E-mail	ATTENDED
Alan Marteney	Century-Meeting Organizer	amarteney@kleinfelder.com	Y
Eric Cimo	DeIDOT Utilities Engineer	Eric.cimo@delaware.gov	Y
Debbie Kukulich	DeIDOT Utilities Coordinator	Deborah.Kukulich@delaware.gov	Y
Scott Walls	DeIDOT Project Manager	Scott.Walls@delaware.gov	Y
Jonathan Karam	DeIDOT Project Engineer, Bridge	Jonathan.Karam@delaware.gov	Y
Paul Huhn	DeIDOT Design Engineer, Bridge	Paul.Huhn@delaware.gov	Y
Catherine Schwander	DeIDOT Construction	Catherine.Schwander@delaware.gov	N
Chance Malkin	DeIDOT Construction	Chance.Malkin@delaware.gov	N
Joe Spadaro	DeIDOT Construction	Joseph.Spadaro@delaware.gov	Y
Wayne Tyler	Artesian Water	WTyler@artesianwater.com	Y
Dan Netta	New Castle County Dept of Public Works, Sewer	dan.netta@newcastlede.gov	Y
Darren Marstellar	Comcast Cable c/o Americomm, LLC	dmarstellar@americomm-llc.com	N
Tom Smith	DP-L Electric	thomas.smith1@delmarva.com	Y
George Zang	Verizon	George.w.zang@verizon.com	N
Joe Keenan	Verizon	Joseph.keenan1@verizon.com	N

BRIEF PROJECT DESCRIPTION: The project is located on Grant Avenue that has a Functional Classification as an Urban Local—see picture snapshot below. The project included the construction of a new 24' x 8'-7" Precast Concrete Frame structure to replace four 4' x 5' corrugated metal pipes. The new bridge was constructed on the alignment of the existing road and bridge and the roadway was closed during construction. Environmental Compliance Restrictions required no in-water construction from March 1 to June 30 (inclusive).

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- Artesian Water Company-16-inch and 8-inch water mains
- Comcast Cable-Communication
- DelMarVa Power-Electric Distribution
- New Castle County Department of Special Services-Sanitary Sewer Gravity Lines
- Verizon Delaware-Communication

ADVANCE UTILITY RELOCATIONS: Temporary relocation of Comcast, Delmarva Power and Verizon aerial lines were done for constructability of the new structure. The Utility Companies returned after the structure construction was completed to move their facilities back to the original locations. These temporary relocations were eligible for reimbursement requiring executed Utility Agreements.

PROJECT CONTRACTOR: Zack Excavating, Inc.

DELDOT PROJECT DEVELOPMENT SECTION/PROJECT MANAGER: Bridge; Jason Hastings-retired prior to the review meeting.

DELDOT CONSTRUCTION REPRESENTATIVES: Chance Malkin

CONSTRUCTION INSPECTION FIRM: None.

DELDOT UTILITY COORDINATOR: Debbie Kukulich

MAJOR PROJECT CHALLENGES: None of the utility services could be interrupted during construction. Artesian Water has a well field/plant just to the west of the project site. Interruption of the 3-phase feed to this site due to the temporary DPL-E relocations and re-establishing them had to be coordinated and time allotted.

LESSONS LEARNED from this project included:

- As early as possible, identify utility work that is to be included in the DeIDOT Contract so that required agreements can be developed and executed well in advance of PS&E since they are required prior to advertisement.
- Identifying constructability issues and addressing them with temporary relocations expedited the overall project and avoided issues during construction.
- Understanding the fisheries time of year restrictions and scheduling the contract around these restrictions expedited the work and avoided issues during construction.
- Including the sewer relocation work in the DeIDOT contract worked well, especially coordinating new stream crossing with stream diversions needed for the structure work. Notifications to NCCo were timely for inspections and resolving issue resolutions.
 - Relocation work included manholes that required shop drawing submittals and reviews. Initial shop drawings were only reviewed by DeIDOT resulting in some changes that needed to be made to the delivered materials.
 - Lesson learned is that shop drawings or any submittal for design work done by others should be reviewed directly by the designers of that work.
- Including the water relocation work in the DeIDOT contract generally worked well. This work was reimbursable to DeIDOT from Artesian per the executed agreement. DeIDOT approved some change orders associated with this work that were later rejected by Artesian when they were first made aware of them with the final invoicing.
 - Lesson learned is that change orders affecting reimbursable work need to be coordinated and reviewed with the appropriate utility company prior to DeIDOT approving them.
- Open and complete communication is critical during all phases of the project.