

To: Public Works Committee
 Safety & Public Properties Committee

Date: Month ending April 31, 2018

ENGINEERING DEPARTMENT UPDATE

RESIDENTIAL & COMMERCIAL REVIEWS AND PERMITTING

A. Summary of Permits

Type	April	2018 YTD	
	Submitted	Submitted	Issued
Residential Driveway	7	16	12
Sewer Tap	0	0	0
Erosion/Downspout	0	0	0
Heavy Load	2	31	31
Right of Way	4	11	11
Building Department (Commercial & Residential)	194	655	397
Totals	207	713	451

B. Commercial Construction Projects

1. Under Construction

Mitchell's
 Townplace Suites
 Greatlakes Cold Storage
 30175 Solon Industrial
 Nestle

2. Completed This Month

First National Bank
 Rose's Italian Kitchen

3. Special Projects

EPA Report
 2018 NPDES Organizational Chart
 2017 Cuyahoga Soil & Water Inspection Recommendation Follow up

C. Preliminary Planning Meetings: 15

INFRASTRUCTURE PROJECT UPDATE

A. Under Study and/or Design

1. Solon Road Sidewalk Improvements

Status unchanged. Dominion East Ohio Gas will be replacing their gas line along Solon Road in 2017 and 2018 in the area of the proposed sidewalk. The sidewalks will be installed by the City in late 2018.

2. SOM/Cannon Intersection Improvements

R.E. Warner submitted a preliminary alignment of the intersection for the City's review.

3. The Preserve Subdivision Modifications Phase II

Status unchanged. The Engineering Department completed a walk thru with B&N and the Army Corps on 4/15/16 to discuss the permitting options.

4. The Preserve Subdivision Modifications Phase III

Status unchanged. This phase included a comprehensive study of the sanitary and storm sewers in the Silkwood and Nightshade area. The Engineering Department is considering a proposal from the Consultant with regard to the design of a relief storm sewer on Silkwood. This project will be evaluated upon the completion of the Preserve Subdivision Modifications Phase III project.

5. Briarhill Culvert

The Service Department had located utilities on site for for the designers. Design is ongoing.

6. SOM/Aurora Intersection Improvements

ROW- CEI has completed the utility relocation. AT&T, Spectrum and the City are relocating utilites to finalize the relocation.

The bid opening was April 20th. No bids were received. The Engineering Department is reviewing the engineers estimate with ODOT.

7. Sanitary Sewer Master Plan Update

Status unchanged. The City completed smoke testing in the McAfee and Sherwood Subdivisions. City repairs have been completed. Resident violation notices have been sent out.

8. Engineering General Services

Work is ongoing as needed.

9. Naiman Parkway Pump Station & Force Main

Status unchanged. B&N met with the Engineering Department to go over the final report. The final report has been submitted.

10. Twinsburg Widening of SR 91 - Phase II

Project is out for bid.

11. Sharondale Storm Sewer

Bids will be presented to the Public Works Committee at the May Public Works meeting.

12. Sherwood Culvert Replacement

Bid opens 4/27.

13. Aurora Road Reconstruction

Status unchanged. The City was awarded \$1.5 million in federal funding for the project which will be available in the state's fiscal year 2021. Option 2 (integral bike lanes on the north side of Aurora) was selected by the Safety & Public Properties Committee and City Council. A temporary traffic signal will be installed at Portz Parkway. GPD has been authorized to start the final design. GPD has prepared a centerline grade and typical section plan and will be submitting it to the City for review in April.

14. Valley Forge Headwater Stream Restoration

Status unchanged. The Engineering Department has sent out a resident notification for the project. Chagrin River Watershed Partners will be assisting the City of Solon with the preparation of the contract documents.

15. Derby Downs Drive Reconstruction

B&N is working on City comments. Dominion East Ohio has started the gas relocations for the project.

16. Community Center/Senior Center Parking Lot Expansion

Status unchanged. Engineering has submitted the Army Corp Permit required for the parking lot expansion.

17. Harper Road Corridor Traffic Evaluation

GPD presented their recommendations to the S&PP Committee. The design for the relocation of the crosswalk at Harper/Bainbridge was approved by Council. The next steps are to meet with Nestle to discuss the study's recommendations.

18. Miles Road Tree Planting

Status unchanged. Schedule TBD.

19. Arbordale Reconstruction

Status unchanged. The Service Department is televising the sewers.

20. Fox Hill Storm Sewer Rehabilitation

Status unchanged. Engineering is investigating using the ODOT state bid contract for culvert lining.

21. Woodsdale Drive Sanitary Sewer Replacement

The City is getting a quote to replace the Sanitary Sewer as part of the City's Sanitary and Storm Sewer Contract as approved by the Public Works Committee.

22. Carter Street Reconstruction

Status unchanged. Plans and specifications are being prepared to bid this spring. Construction is dependent on Dominion's restoration schedule on Solon Road which would be the alternate route for Carter Street.

23. Dominion East Ohio Gas Line Replacement-Solon/Bainbridge Roads

Dominion East Ohio Gas has put the project on hold. Preliminary plans have been submitted to the City for review.

B. Construction

2014 Annual Contracts	Status
Construction Inspection Services	Engineering is working with ODOT to close out the City Wide Traffic Signal Project.
2017 Annual Contracts	Status
Construction Inspection Services	Work is on-going as needed.
Concrete Repair	Work is complete. The punch list is complete. Restoration will be completed in the spring.
Asphalt Repair	Restoration will be completed in the spring. Grantwood work began in April.
Materials Testing	Work is on-going as needed for the treatment plant project.
Sanitary and Storm Repair	Final quantities are being prepared.

2018 Annual Contracts	Status
Concrete Repair	Work began on April 24, 2018
Street Striping	Contracts have been signed. Striping will begin as weather permits.
Preventative Maintenance	Bids will be presented at the May Public Works meeting.
Asphalt Repair	Schedule TBD.
Catch Basin Repair	Bids will be presented at the May Public Works meeting.
Materials Testing	Preconstruction meeting on April 26, 2018
Sewer Grouting	Schedule TBD.
Emergency and Miscellaneous Roadway Repair	Work is on-going as needed.
Sanitary and Storm Repair	Work is on-going as needed.

1. Hunter's Ridge Infrastructure Improvement Project

Status unchanged. The project has been completed.

2. Stone Creek Estates

Status unchanged. The Engineering Department is working with the developer to seal the existing sanitary connections along Cannon Road. The surface course has been applied to the road.

3. Woods of Solon (SOM/Miles)

Second and third phases have been submitted for review. Comments were sent to the developer.

4. Brainard Road over US 422 Bridge Project (ODOT)

Status unchanged. ODOT has completed the work on the bridge. The City met with ODOT on April 4th to discuss. Engineering has requested a status of our request to resolve the staining on the parapets.

5. Miles Road Sanitary Sewer Replacement

Status unchanged. Work is substantially complete. Project punch list is being prepared.

6. Dominion East Ohio Gas Line Replacement-Solon Road

Work is substantially complete. Drive apron replacement is underway.

7. Liberty Road Bridge under US 422 Slope Repair (ODOT)

Status unchanged. The embankment work has been completed. Restoration will follow.

8. Bainbridge Road Culvert C-004

The new culvert is complete. The access point is being poured back in place. Lanes closure has been removed.

9. Richmond Road Resurfacing (Columbus to Southern Corp Line) - Village of Oakwood

Status unchanged. Work is substantially complete. Contractor is working on punch list items.

10. Copley Avenue Reconstruction

Status unchanged. Restoration will be completed in the spring.

11. Roxbury Storm Sewer Replacement

Status unchanged. Restoration touch up will be completed in the spring.

12. Cochran Road Reconstruction Phase 2

Status unchanged. Work is substantially complete. Punch list work will be completed in the spring.

13. Bainbridge Road Sidewalks

Status unchanged. Work is substantially complete. A walk through will be scheduled.

14. Bainbridge Road Tree Planting

Project is substantially complete.

15. SOM Center Retaining Wall/Fence

Contracts are signed. A preconstruction meeting is scheduled for May 3rd. Shop drawings are being reviewed.

16. AT&T Fiber Upgrades

AT&T is installing fiber in the following locations: Glenallen Avenue at Aurora Road (near the intersection), Woodlands Subdivision (Woodlands Lane), Brenna's Landing Subdivision (Andre Lane), Everton Avenue, Delray Avenue, Crofton Avenue, Cressmont Avenue, and Woodall Drive at Crofton Avenue and Cressmont Avenue.

CAPITAL PROJECT UPDATE

A. Under Study and/or Design

1. Traffic Engineering Services

GPD's contract was extended for 2 year, expiring May of 2020. Work is on-going as needed.

2. City Hall Entrance Cul-de-Sac

Advertised for bid. Bid open May 18, 2018

3. Fire Station 1 Roof Replacement

A kick-off meeting was held. Initial investigative work has been completed.

4. Community Center Building Envelope Repair

Status unchanged. Investigative work is being completed to prepare the plans and specifications for the

B. Construction

1. Briar Hill Lake Dam

Status unchanged. AE/Com (formerly URS) has to finalize the as-builts and the operation and maintenance manual. ODNR has to finalize the Emergency Action Plan. The Construction Project Administrator has followed up with both entities to finalize the project.

2. Community Center Tennis Court

Status unchanged. The surface course of Phase I is complete. The leveling coat and playing surface will be installed in the spring.

3. Community Center Indoor Pool HVAC Unit Replacement

Punch list is complete. Closeout documents were sent to the contractor.

C: **Mayor Kraus**
Robert Pelunis, Ward 2 Council Representative