

To: Public Works Committee
Safety & Public Properties Committee

Date: Month ending December 31, 2018

ENGINEERING DEPARTMENT UPDATE

RESIDENTIAL & COMMERCIAL REVIEWS AND PERMITTING

A. Summary of Permits

Type	December	2018 YTD	
	Submitted	Submitted	Issued
Residential Driveway	0	118	104
Sewer Tap	2	17	17
Erosion/Downspout	0	3	3
Heavy Load	3	91	82
Right of Way	4	61	61
Building Department (Commercial & Residential)	67	1864	1614
Totals	76	2154	1881

B. Commercial Construction Projects

1. Under Construction

Security Self Storage
Discount Tire (Bainbridge Twp/Aurora)
30175 Solon Industrial

2. Completed This Month

C. Preliminary Planning Meetings: 12

INFRASTRUCTURE PROJECT UPDATE

A. Under Study and/or Design

1. Solon Road Sidewalk Improvements

An appraisal for the last right-of-way acquisition at 32500 Solon Road is being completed.

2. SOM/Cannon Intersection Improvements

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

3. Briarhill Culvert

Review comments have been sent to B&N. Dominion has completed their work for the gas line relocation.

4. SOM/Aurora Intersection Improvement

A pre award meeting was held on 12/28. Bids will be presented at the January Public Works meeting.

5. Sanitary Sewer Master Plan Update

Status unchanged. The City has completed smoke testing in the Sherbrook Park Subdivisions. Violation letters have been sent out.

6. Engineering General Services

Work is ongoing as needed.

7. 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.

8. Twinsburg Widening of SR 91 - Phase II

Utilities are being relocated. Installation of temporary pavement for maintaining traffic is complete.

9. Aurora Road Reconstruction Phase 1

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.

10. 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.

11. Harper Road Corridor Traffic Evaluation

GPD has been authorized to complete the Feasibility Study, Interchange Modification Study and Safety Study to be submitted to ODOT.

12. Arbordale Reconstruction

Status unchanged. Design is underway. New centerline profile is complete.

13. Fox Hill Storm Sewer Rehabilitation

Status unchanged. B&N has been authorized to start design.

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

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

15. SOM Center Resurfacing (US 422 EB to Railroad Bridge)

Plans have been reviewed and comments have been sent to B&N.

16. Bainbridge Road/Nestle Traffic Signal

The temporary signal is being advertised for bid. Bid opening is 1/11/19. The preliminary design plans for the permanent signal have been submitted to the City for review.

17. Miles Road Culvert C12 Replacement (31499 w/ Orange)

Status unchanged. Village of Orange applied for OPWC grant funds and did not receive funding.

18. SOM Center/Pettibone Intersection Improvements

Status unchanged. Engineering met with GPD to start design.

19. Bunker Hill/Independence Court Sanitary Sewer

Status unchanged. Survey work is complete. B&N is working on the design.

20. Aurora Road Reconstruction Phase 2 (Liberty to east corp. line)

GPD has been authorized to start the design.

21. Solon Road Reconstruction

Status unchanged. B&N has been authorized to start design.

22. Fire Hydrant Painting

Plans and specifications are being prepared for the 2019 contract.

23. Solon Road Reconstruction (Swagelok)

B&N is preparing a scope and fee for the design.

B. Construction

2017 Annual Contracts	Status
Construction Inspection Services	Work is on-going as needed.
Asphalt Repair	Punch list is complete.
Materials Testing	Work is on-going as needed for the treatment plant project.
2018 Annual Contracts	Status
Concrete Repair	Punch list is complete.
Street Striping	Close out documents are being prepared.
Asphalt Repair	Work is substantially complete.
Catch Basin Repair	Close out documents are being prepared.
Materials Testing	Work is on-going as needed.
Sewer Grouting	Close out documents are being prepared.
Emergency and Miscellaneous Roadway Repair	Work is on-going as needed. Contract has been extended to 2/28/2019.
Sanitary and Storm Repair	Work is on-going as needed. Contract has been extended to 2/28/2019.
2019 Annual Contracts	Status
Concrete Repair	Schedule TBD
Catch Basin Repair	Schedule TBD
Street Striping	Schedule TBD
Preventative Maintenance	Schedule TBD
Asphalt Repair	Schedule TBD
Materials Testing	Schedule TBD
Sewer Grouting	Schedule TBD
Emergency and Miscellaneous Roadway Repair	Bids will be presented at the January Public Works meeting.
Sanitary and Storm Repair	Bids will be presented at the January Public Works meeting.

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)

Status unchanged. Construction on the second and third buildings is underway.

4. Neptune Oval Estates

Status unchanged. Review comments were sent to the developer.

5. Copley Avenue Reconstruction

As-built drawings have been requested.

6. Roxbury Storm Sewer Replacement

Status unchanged. As-built drawing has been requested.

7. SOM Center Retaining Wall/Fence

Status unchanged. Brick work is complete. Fence is being completed.

8. AT&T Fiber Upgrades

Status unchanged. AT&T completed installing fiber in the following locations: Glenallen Avenue at Aurora Road (near the intersection), Woodlands Subdivision (Woodlands Lane)

AT&T is installing fiber in the following locations: Brenna's Landing Subdivision (Andre Lane), Everton Avenue, Delray Avenue, Crofton Avenue, Cressmont Avenue, and Woodall Drive at Crofton Avenue and Cressmont Avenue, Carrington Court, Ayleshire Drive and SOM Center at Blue Heron Drive.

9. Sharondale Storm Sewer

Status unchanged. Restoration is complete. Contractor is addressing a grading issue.

10. Derby Downs Drive Reconstruction

A field meeting was held on 10/16/2018 with the Illuminating Company, the cable company and the contractor. Shop drawings have been resubmitted.

11. City Hall Entrance Cul-de-Sac

Status unchanged. Work is substantially complete. Punch list has been prepared.

12. Sherwood Culvert Replacement

Status unchanged. Restoration is complete. Change order 1 has been approved. Final quantities are being prepared.

13. Carter Street Reconstruction

The project is substantially complete.

14. Bainbridge Road Tree Planting

Status unchanged. A few trees needing replaced will be completed in the spring.

15. Highpoint Drive, Miles Road and Wintergreen Drive Tree Planting

Status unchanged. Work is substantially complete.

CAPITAL PROJECT UPDATE

A. Under Study and/or Design

1. Traffic Engineering Services

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

2. Fire Station 1 Roof Replacement

Status unchanged. Initial investigative work has been completed. A pre-design report has been submitted to the city by eS. Design plans are in progress.

3. Community Center Building Envelope Repair

Plans have been reviewed and comments have been sent to B&N.

4. Community Center/Senior Center Parking Lot Expansion

Status unchanged. A meeting with Western Reserve Land Conservancy was held on Friday, November 2nd to discuss wetland mitigation. The 401 permit is being submitted.

5. US 422/ SOM Center Beautification

A mock up of the sign size has been placed in the interchange for comment. B&N has submitted a request for additional information from the design architect and Planning Department in order to complete their scope and fee for the design.

6. SOM Center Railroad Bridge

Status unchanged. The Planning Department is scheduling a meeting with the railroad to discuss a future beautification project.

7. Service Department Storage Building Roof Replacement

The City met with A. W. Farrell on 12/21. The City is planning to use A.W. Farrell under the Ohio Schools Cooperative (OSC) contract. An updated quote for the work has been requested.

B. Construction

1. Briar Hill Lake Dam

Status unchanged. ODNR has reviewed and submitted comments.

2. Community Center Tennis Court

Status unchanged. The project is substantially complete. Meeting with the contractor was held on 11/1.

3. Misc. Traffic Signal Improvements (Portz/Aurora, Harper/Bainbridge, Liberty Curve)

The Portz/Aurora signal will be activated on January 3rd. The Harper/Bainbridge crosswalk has been relocated.

C:

Mayor Kraus

Robert Pelunis, Ward 2 Council Representative