



To: Public Works Committee
 Safety & Public Properties Committee

Date: Month ending August, 2021

ENGINEERING DEPARTMENT UPDATE

RESIDENTIAL & COMMERCIAL REVIEWS AND PERMITTING

A. Summary of Permits

Type	August	2021 YTD	
	Submitted	Submitted	Issued
Residential Driveway	16	115	101
Sewer Tap	3	17	16
Erosion/Downspout	0	1	0
Heavy Load	0	7	7
Right of Way	9	76	59
Building Department (Commercial & Residential)	154	1,321	1,237
Totals	182	1,537	1,420

B. Commercial Construction Projects

1. Under Construction

CVIC
 Dr. Buitry - 34570 Aurora
 Oakwood Labs
 Swagelok
 6575 Davis Industrial
 City BBQ

3. Substantially Complete

Aerospace Maintenance Solutions
 Clean Express Car Wash
 Dr. Bomeli (Ortho.) 33695 Bainbridge
 Mercury Machine
 Omni Assisted Living
 Omni HQ
 Omni Assisted Living
 Omni Independent Living
 Pop Culture CLE
 Solon Pre-school Parking Expansion
 Wendy's

2. Completed This Month:

C. Preliminary Planning Meetings: 3

INFRASTRUCTURE PROJECT UPDATE

A. Under Study and/or Design

1. Solon Road Sidewalk Improvements

Status unchanged. Work on this project will be on hold pending the outcome of the Liberty Ford property redevelopment proposal.

2. SOM/Cannon Road Intersection Improvements

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

3. Sanitary Sewer Master Plan

Status unchanged. Smoke and dye testing is complete for areas of the Liberty Road and Pettibone Road. The areas of South Roundhead; from Hambleton Drive to Hollyock Drive and Cheshire Place will start September 14th, 2020. Starting October 5th, Aurora Road east of Highland Drive, Geauga Street, Summit Street, Portage Street, Edith Street and Willow Street will be smoke tested. All testing is complete and letters have been sent out. A proposal from B&N to evaluate the sanitary sewers tributary to the sanitary on South Roundhead was approved. B&N was authorized to start the project. Sewer flow monitors are installed and collecting flow data.

4. US 422/Harper Road Diverging Diamond

The City received \$3M in Safety Federal Funding. The design for the project has been approved. A programming meeting with ODOT was held on August 27th. GPD survey work is complete. The geotechnical work is underway. GPD design work is underway. Project was recommended to receive an additional 2.414M in grant funding through the Surface Transportation Reauthorization Legislation. A project work session is scheduled with GPD for early September.

5. SOM Center/Pettibone Intersection Improvements

Status unchanged. The Engineering Department has completed our review and will make an alignment recommendation to GPD.

6. Solon Road Reconstruction (Aurora to Bainbridge)

Status unchanged. The design work is on-going. The geotechnical work is complete. City requested quote from B&N to replace an additional storm sewer on Bainbridge Road. Dominion East Ohio Gas will be performing a second betterment project to replace gas lines on Solon Road from the Police Station to Bainbridge Road and on Bainbridge Road from Solon Road to SOM Center Road. Therefore, the City's project to reconstruct Solon Road will be delayed a year. A design contract modification for B&N to replace a storm sewer on Bainbridge Road was approved. The project has been postponed pending the Dominion gas relocation project. Reconstruction of the retaining wall at the northwest corner of Solon Road/Bainbridge Road intersection was added to the project.

7. Aurora Road Reconstruction Ph 2 (Liberty to east corp. line)

Status unchanged. Survey work is complete. The City applied for CMAQ funding. The deadline was May 26th.

8. 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. Force main along Richmond Road is being located.

9. Engineering General Services

Contract was extended through the end of 2022. Contract documents have been signed.

10. Aurora Road Reconstruction Phase 1

A utility coordination meeting was held with the utility companies on November 5th. GPD is finalizing the right-of-way plans and environmental documents. ODOT moved the funding back to 2022 due to time frame needed to relocate third party utilities. Contracts, awarded to DLZ and Smith & Nejedlik, are signed. A notice to the residents regarding the right of way acquisition has been sent out. Stage 3 plans were submitted to ODOT the week of October 19th. Appraisal work is on-going. Right of way acquisition work is on-going. The Engineering Department is meeting with the Illuminating Company on Tuesday, June 1st and July 2nd. A revised Stage 3 was submitted to ODOT. A request for appropriation of right of way will be presented to the Public Works Committee at their September meeting.

11. Duneden Avenue Reconstruction (Orchard to Inwood)

Status unchanged. Survey work is complete and being reviewed by the City. A notice was sent to the residents informing them of the project. Existing sewers are being televised by the Service Department. A notice will be sent to the residents notifying them of the upcoming geotechnical work. Geotechnical work is complete.

12. Harper Road Reconstruction

Status unchanged. Typical section options were presented to the Public Works Committee for input at their October meeting. Option 1 was selected. B&N was authorized to move forward with the preliminary alignment utilizing Option 1. B&N prepared the horizontal alignment for City review. Comments were emailed back to B&N. B&N has submitted additional alignment information and it is being reviewed by the Engineering Department.

13. Creekside Trail Drainage Study

City sent out a stormwater questionnaire to the residents on June 1st. Residents had until June 30th to respond. Questionnaire results were compiled and sent to B&N. B&N will present the findings of their study to the Public Works Committee at their September meeting.

14. North Oval Sanitary & Storm Sewer Replacement

Status unchanged. Preliminary Plans have been submitted to the City. Comments were sent to B&N.

15. ODOT Noise Barrier Study along US 422

Status unchanged. Online survey concluded October 31st. IT Department tabulated the results which were reported at the December Public Works Committee meeting. The study results were discussed at the January Public Works Committee meeting. According to ODOT, the City's survey results can be accumulative. A second survey was sent out on March 31st to those property owners within 400 feet of US 422. The Engineering Department has been authorized to submit an application to ODOT to have a noise study completed. The application is being completed.

16. Miles Road Retaining Wall Replacement

Status unchanged. Plans have been resubmitted to the City for our final review.

B. Construction

2020 Annual Contracts	Status
Concrete Repair	Walk through is complete. A punch list was sent to the contractor. Punch list items are underway.
Asphalt Repair	Work is substantially complete. Work at Water Reclamation Facility started the week of July 26th.
Materials Testing	Close out will be presented to the Public Works Committee at their September meeting.
Sewer Grouting	Cuyahoga County Cure in Place Lining contract was approved. Contract is being negotiated with the contractor.
Sanitary and Storm Repair	Closeout documents are being prepared.
2021 Annual Contracts	Status
Concrete Repair	Work is ongoing. A change order for Solon Industrial night work will be presented to the Public Works Committee at their September
Catch Basin Repair	Work is substantially complete.
Street Striping	Summer application is underway.
Preventative Maintenance	Work is underway.
Guardrail Repair Program	Bids were opened on August 6th. Bid tabulation will be presented to the Public Works Committee at their September meeting.
Asphalt Repair	Work is ongoing.
Materials Testing	Work is ongoing as needed.
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.
Traffic Signal Maintenance	Work is on-going as needed.

- 1. 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. Aerials of Davis' pond and the subdivision construction time frame were sent to the Davis'. A permit application to dredge the Davis pond has been submitted. Work on Davis pond is complete.
- 2. Neptune Oval Estates**

Sanitary sewers are installed. Storm sewer installation is substantially complete. The waterline work is complete. The storm sewers on Neptune Drive are substantially complete. Headwalls are under construction. Street subgrade stabilization is complete. Curb work for the street is installed. Asphalt installation is underway.
- 3. Briarhill Lake Dam Rehabilitation**

Status unchanged. As-builts were prepared and sent to the Ohio Dept. of Natural Resources. Comments on the emergency action plan are being addressed.
- 4. SOM/Aurora Intersection Improvement**

Status unchanged. Project is substantially complete. A punchlist has been prepared and is being completed. A final inspection with ODOT was completed August 4th.
- 5. Derby Downs Drive Reconstruction**

Status unchanged. Closeout process is complete. Contractor submitted electronic as-builts on April 26, 2021. As-builts were rejected and Contractor was advised to resubmit. As-builts were rejected and being re-done by the contractor. Revised as-builts have been submitted by the contractor and are being reviewed.
- 6. SOM Center Resurfacing (US 422 EB to Railroad Bridge)**

Status unchanged. The contractor is working on punchlist items. Paperwork for Change Order 2 has been sent to the contractor. A final cost & quantity form has been sent to the contractor. Change order 2 was approved. A letter was sent regarding the balance of the punch list items.
- 7. Water Reclamation Facility Claifier Painting Project- ReBid**

Contracts signed. A pre-construction meeting was held and work is scheduled to start Wednesday, August 25th.
- 8. Water Reclamation Facility Concrete Repairs**

Project is out for bid. A pre-bid meeting is scheduled for August 27th
- 9. Fox Hill Storm Sewer Rehabilitation**

Status unchanged. Work started September 14th. The storm sewer rehabilitation work is complete. Retaining wall work is complete. Contractor and the City met on February 23rd to discuss the wall construction. Proposed wall revisions were submitted by the contractor. They were reviewed and sent back to the contractor.
- 10. Carrington Court Subdivision Ph II**

Status unchanged. Construction is underway. Sanitary and storm work is being completed. The waterline work is also complete. Subbase is complete and roadway stone base is installed. Road work is substantially complete. Electric is installed.
- 11. Painting of Miscellaneous Traffic Poles**

Status is unchanged. Work is substantially complete. Punchlist was prepared and sent to the contractor. Work is underway.
- 12. Solon Road Reconstruction (Swagelok)**

Shop drawings are being reviewed. Utility pot holing is complete. Pre-cast structures will not be delivered for 6-8 weeks.
- 13. Briarhill Drive Culvert Replacement**

Construction is underway. Temporary road is constructed. Drilled Shafts are being installed.
- 14. Brookland Avenue Reconstruction**

Resident notice was sent out. Replacement of the sanitary sewer main is completed. Sanitary laterals are complete. Storm sewer mainline is being installed. The storm across Inwood Road is complete and the concrete replacement is complete. Storm sewer mainline is complete. Storm sewer laterals are being completed.

15. SOM Center School Zone Project

Foundations and conduits are complete. Pole delivery is anticipated at the end of October.

16. Clearwater Court Extension to Portz Parkway

Contracts are signed. A pre-construction meeting was held. Tree clearing is starting the week of August 23rd.

17. US 422/ SOM Center Beautification

Contract was awarded to Cultrona Landscaping. Contracts are signed. A pre-construction meeting was held on June 3, 2021. Sign mock-up is prepared and being reviewed by the contractor. A meeting was held on July 27th. Foundation is being installed.

18. Water Reclamation Influent Aerial Sewer Pipe Replacement

Status unchanged. Final comments are being addressed. Project will advertise for bid starting October 8th. Prebid was held October 19th. Bid opening is Friday, October 30th. Pre-award meeting was held on November 18th. Bid results will be presented to the Public Works Committee at their December meeting.

CAPITAL PROJECT UPDATE

A. Under Study and/or Design

1. SOM Center Railroad Bridge

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

2. Grantwood Exterior Parking Lot Lighting Improvements

Status unchanged.

3. Community Center/Senior Center Parking Lot Expansion

Status unchanged. Wetland mitigation was approved. The Engineering Department is working on the design. Army Corps & OEPA permits have been granted. The WRLC submitted the conservation easement revisions to the City for our review. The conservation easement revision will be presented to the Safety & Public Properties Committee at their January meeting.

4. Recreation Pickle Ball Court

Status unchanged. Project will be postponed due to potential budget constraints.

B. Construction

1. Police Department Chiller Replacement

Status unchanged. Construction is substantially complete. A project walk through was completed on May 25th. A punch list is complete.

2. Service Department HVAC Upgrade

Status unchanged. Work is substantially complete. A project walk-through was held. Punch list items are substantially completed.

C:

Mayor Kraus

Macke Bentley, Ward 1 Council Representative