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TO: North Fayette Township Board of Supervisors  
DATE: September 23, 2022  
FROM: Kevin A. Brett, P.E.  
S. O. No.: 0448-01  
cc: File  
SUBJECT: Monthly Engineer's Report  
September 27, 2022 Meeting

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Following is an update to the Summary of the Engineering Work performed for projects in the last 30 days:

### **Roadway and Public Improvement Projects**

1. **2021 Road Program:**

*Work is complete including lawn restoration. Walkthrough held with Contractor and Township. LSSE transmitted pay request in the amount of \$476,595.96 as noted in letter dated December 21, 2021. **2.5% retainage being held (\$12,220.41). Final field review on restoration completed with Contractor. Restoration completed, shrubs need planted.***

2. **2022 Road Program:** *Township to award on April 19, 2022, all others participating in Joint Bid have awarded their portions. **Township summary as follows:***

**Base Bid: \$ 642,857.00**

**Timberglen Drive (Walden to Chelsea)**  
**Brooktree Court (Harvester to Cul-de-Sac)**  
**Western Circle Drive (Pointe West to Cul-de-Sac)**  
**Midfield Circle Drive (Western to Cul-de-Sac)**  
**Santiago Road (Canterbury to Steubenville)**  
**Santiago Road (Canterbury to North Star)**  
**Mahoney Road**

*Base Bid Portion has been awarded. Pre-Construction meeting held May 20, 2022. **Change Order prepared and transmitted to Youngblood Paving, Inc. for review to include additional roads.***

**Paving work has been completed; final walkthrough to be scheduled.**

3. **Roadside Improvements:** *No bids were received in first bid; LSSE transmitted advertisement for re-bid of project on June 29, 2022. No bids were received for re-bid on August 4, 2022. LSSE provided RFP Summary on August 25, 2022; Penn Line was only proposal received.*
  
4. **Summit Park Drive Pedestrian Improvements:** *Revised plans have removed sidewalk at Sam's Club and Walmart to be constructed outside of existing right-of-way from PennDOT grant scope. LSSE submitted updated plans to PennDOT for review on December 13, 2021. Township Solicitor coordinating with property owners for easements. PennDOT provided additional comments on June 29, 2022. Meeting held with PennDOT on July 13, 2022. LSSE to submit response to PennDOT comments.*
  
5. **2022 Grant Application Summary**

Project	Grant Source	Grant Request	Township Match	Due Date
McKee Road/ PTC Road Signal Improv.	PennDOT GLG	\$133,403	\$33,355	January 14, 2022 <b>Submitted</b>
North Fayette Boulevard	ACED Site Dev.	\$3,000,000	\$2,000,000	February 18, 2022 <b>Submitted</b>
Municipal Complex Addition/Renovations	CFA LSA	\$1,000,000	\$7,500,000	March 15, 2022 <b>Submitted</b>
North Fayette Boulevard	CFA LSA	\$1,000,000	\$4,000,000	March 15, 2022 <b>Submitted</b>
Mahoney Bridge Repl.	CFA LSA	\$670,000	Overages	March 15, 2022 <b>Submitted</b>
Hans Bridge Repl.	CFA LSA	\$700,000	Overages	March 15, 2022 <b>Submitted</b>
Donaldson Sidewalk	DCNR	\$148,500	\$148,500	April 6, 2022 <b>Submitted</b>
Hankey Farms, Ph. 1	DCNR	\$321,000	\$323,777	April 6, 2022 <b>Submitted</b>
Municipal Complex Addition/Renovations	CPF (FY23) Connor Lamb	\$5,000,000	\$3,500,000	April 15, 2022 <b>Submitted</b>
8212 Steubenville Pike Demolition	ACED Act 152	\$30,000	Overages	April 22, 2022 <b>Submitted</b>
Donaldson Sidewalks	CFA GTRP	\$250,000	\$47,000	May 31, 2022 <b>Submitted</b>
Hankey Farms, Ph. 1	CFA GTRP	\$250,000	\$394,777	May 31, 2022 <b>Submitted</b>
Stonebridge Stormwater Improvements	CFA Watershed Restoration	\$175,000	\$44,775	May 31 2022 <b>Submitted</b>
North Fayette Trail Connector	RAAC ARPA Trail	\$3,000,000	Overages	June 15, 2022 <b>Submitted</b>
North Fayette Boulevard	CFA MTF	\$3,000,000	\$1,777,644	July 31, 2022 <b>Submitted</b>
North Fayette Boulevard	RACP	\$ 2,388,000	\$ 2,388,000	August 19, 2022 <b>Submitted</b>
North Fayette Boulevard	PennDOT MTF	\$3,000,000	\$1,777,644	November / December 2022
Pointe West ADA Ramps	CD Year 49 Pre-Application	\$24,645	Overages	September 9, 2022 <b>Submitted</b>
North Fayette Boulevard	GEDTF	\$500,000	Overages	September 23, 2022

Project	Grant Source	Grant Request	Township Match	Due Date
North Fayette Boulevard	PennDOT MTF	\$3,000,000	\$1,777,644	November / December 2022
North Fayette Trail Connector	PennDOT MTF	\$2,100,000	\$900,000	November/ December 2022

6. **Grant Award Summary**

Project	Grant Source	Grant Award	Township Match	Comments
Summit Park Drive West Improvements	DCED MTF	\$100,000	TBD	Reduced Scope to be prepared and approved by DCED
PRP Improvements	Growing Greener	\$70,125	\$12,375	Reimbursement Request Submitted
Lafayette PRP	GEDTF	\$205,000	Overages	Ongoing- to be used for fence
Pointe West ADA Ramps	CDBG Yr 48	\$20,013.00	Overages	Surveys to be scheduled
McKee Road/ PTC Road Signal Improv.	PennDOT GLG	\$133,403	\$33,355	LSSE to coordinate design

7. **Community Center / Public Works / Municipal Building:**

a. **Municipal Complex Pipe Removal:** *PADEP issued a Chapter 105 General Permit No. 11. LSSE met with Public Works regarding removal and replacement of the existing culvert. Public Works anticipates completion of the work spring of 2022.*

8. **Mahoney Road Culvert Repair:** *LSSE reviewed culvert and recommended repairs to be completed as soon as possible, LSSE to prepare Emergency Permit for the scour repair and begin preparation of GP-11 for replacement of the bridge. Permit application has been submitted. Incompleteness response issued on August 31, 2022.*

9. **Traffic Signal Repairs**

*Repairs ongoing at Point – Walmart Intersection: Preemption heads need replaced. Police checked the system after wiring repaired and heads still not operable. Traffic systems need authorized by Township to repair for \$2,150.00. Township authorized work to be completed. Preemption equipment has been received and installed. Testing completed. Working on 2023 Budget for traffic signal repairs.*

10. **Municipal Complex/Police Station Review**

*LSSE prepared revised conceptual plan based on comments by the Police Chief and the Township Manager and Assistant Township Manager. Cost estimate being prepared for Township’s use in applying for grants.*

11. **Sidewalk Review**

*LSSE preparing draft notification letters and reviewing scope for missing sidewalk areas within the review locations. LSSE to support Township as requested.*

12. **Park Lane Drive/Summit Park Drive Sidewalks**

*LSSE authorized to design and prepare bidding documents of construction of sidewalks along Summit Park Drive and Park Lane Drive. NPDES Permit issued May 24, 2022. LSSE submitted the PCSM Recording document to the Township for execution so it can be recorded at the Recorder of Deeds. LSSE to meet with Township Staff on next steps.*

13. **North Fayette Boulevard**

*The geotechnical investigation has been completed. NPDES Permit Application submitted on June 16, 2022. NPDES Permit issued September 13, 2022. Working with Township on funding / phasing strategy.*

14. **The Pointe at North Fayette Streetscape Improvements**

*LSSE has coordinated with Township Staff on development of lighting improvement plan for street lights and pedestrian lights along Summit Park Drive, Park Lane Drive, Chauvet Drive, Home Drive and Andrew Drive. Fixtures have been selected for review and approval of the Board, along with standards for additional future amenities such as benches, waste receptacles and bike racks. The proposed lighting layout plan and associated anticipated costs will be incorporated in the Streetlight District Ordinance being developed by the Township Solicitor. Standard details to be updated to include these items. This concludes this item of work for LSSE. A separate service order has been provided for the detail updates. **No change.***

*The Pointe Street Light Retrofit: Architectural Lighting, Inc. providing a cost to purchase a new CoStar approved, LED light fixture to replace the light fixtures within the development. To facilitate the retrofit it is necessary to get aluminum caps fabricated for the top of the light poles. LSSE is working with Township Staff to find a fabricator for the caps. **Awaiting sample cap.***

15. **Summit Park Drive Bridge**

*LSSE provided memo on Loading Recommendations on August 3, 2021.*

*LSSE and Township Staff met with Allegheny County on April 5, 2022. Allegheny County to coordinate with PennDOT and review funding opportunities. Project needs placed on SPC TIP program to receive both State and Federal Funding. Additional meeting held on May 10, 2022 with County to discuss the project, the process to fund, design and construct the project. **Township Staff coordination with PennDOT regarding consultant selection for preliminary design.***

16. **Quinn Drive Traffic Signal: Surveys schedule for traffic signal design. Traffic counts have been completed.**

17. **Bateman Road, Route 22/30 Signal: Project scoping ongoing. Initial scoping meeting held with PennDOT. LSSE preparing improvement options for review with Township.**
18. **Traffic Impact Fee Study: Kickoff meeting to be held with Township Staff in September/October 2022.**
19. **Hankey Farms Pool: LSSE to prepare HOP application.**

### **Active Developments**

1. **Fayette Farms: Lot construction is ongoing for Phases 11 and 12.**
2. **Princeton Place: Developer to place final wearing course in spring and complete landscaping and dedicate roads in spring.**
3. **North Fayette Business Park, Phase 1: LSSE completed a field review regarding E&S concerns at the site. A draft notification letter was provided to the Township and then issued to the Developer to address observed issues. **Infrastructure work is ongoing.****

### **Subdivisions and Land Developments**

1. Pointe West Expansion – Land Development Plan: LSSE issued letter dated August 26, 2022.
2. Pointe West, Phase 12B – Storm Sewer As-Built: LSSE issued letter dated September 15, 2022.
3. North Fayette Business Park – Revised Tentative PRND: LSSE issued letter dated September 12, 2022.
4. Skarupa Lot Line – Subdivision Plan: LSSE issued letter dated August 29, 2022.
5. Summit Data Center – Minor Land Development Plan: LSSE issued letter dated August 26, 2022.

### **Bonds**

1. North Fayette Business Park, Phase 1 – Bond Reduction No. 10: LSSE issued letter dated September 9, 2022
2. Pointe West, Phase 12B – Bond Reduction No. 2: LSSE issued letter dated July 26, 2022
3. Nappies Food Service, Phase 5 Expansion – Project Bonding Summary: LSSE issued letter dated September 16, 2022.

### Grading Permit Applications

1. None

### Logging Permit Applications

1. None

### Road Occupancy Permit Applications

1. None

### Stormwater Management Review

1. None

### Conditional Use Applications

1. None.

### Sanitary Sewers

1. **Consent Order:** *TAP request approved February 17, 2021, until June 2021 for 150 taps. Tap Extension submitted at End of July by Township. LSSE prepared extension request. LSSE reviewed order with Township Staff and will review with Board of Supervisors the second meeting in September. The Township executed the Consent Order and returned to ACHD. COA tasks to be initiated. ALCOSAN has requested numerous meetings in last 60 days to discuss transfer of the municipal sewers from the various entities to ALCOSAN. Some of the lines need upsized to address capacity issues as projected in the Act 537 Plan. LSSE met with ALCOSAN on April 1, 2022 to discuss general Regionalization status. ALCOSAN strategizing on how to incorporate Act 537 Plan improvements into the timeline for Regionalization effort.*
2. **Act 537 Update:** *Township adopted resolution at April 19, 2022 meeting. Resolutions provided to McDonald, Oakdale and South Fayette Township. ACT 537 submitted to DEP on July 27, 2022.*

### MS4

1. *The Permit was issued on March 6, 2018. 2022 BMP Reviews have been completed and summary memo provided to Township. **Outfall screening is completed; LSSE provided summary memo week of September 12. LSSE reviewed Annual Report with Township Staff on September 15; report is due September 30.***

2. **PRP Improvements:** *LSSE to meet with Township Staff to review potential PRP Projects week of January 17, 2022.*
  - a. **Public Works Project:** *LSSE transmitted package for Oak Moss for Public Works to complete. LSSE met with Public Works to review Oak Moss; anticipate late fall project for Public Works to complete once the vegetation dies down. **Public Works has begun work on facility.***
  - b. **Bid Project:** *Work was awarded to JS Paris Excavating in the amount of \$382,500.00. Pre-construction meeting held on May 12, 2022. LSSE transmitted Partial Payment No. 1 in the amount of \$154,605.37 on June 29, 2022. LSSE transmitted Partial Payment No. 2 in the amount of \$152,334.88 on August 5, 2022. **Work is completed; final walkthrough held August 26, 2022; restoration items remain outstanding. LSSE submitted Growing Greener Reimbursement Request.***
  - c. **Robinson Run:** *LSSE provided summary of scope of work. LSSE reviewed with Township Staff on September 15, 2022. LSSE to review with Public Works in Fall 2022.*
3. **Lafayette Plaza Fence:** *First bid was rejected; no bidders submitted second bid. LSSE working on COSTARS proposal for materials for chain link fencing.*
4. **PRP Summary**

<b>Montour Run</b>				
<b>Project</b>	<b>Status</b>	<b>lbs Sediment Removed</b>	<b>Project Cost</b>	<b>Cost per lb Removed</b>
Lafayette Plaza	Completed	35,747	\$173,250.00	\$4.85/lb
Summit Park 3	Completed-punchlist remains	31,521	\$228,000.00 (OPC)	\$7.23/lb
Darlene	Completed punchlist remains	6,018	\$58,575.00 (OPC)	\$9.73/lb
Green Meadow	Completed, Punchlist remains	13,372	\$119,650.00 (OPC)	\$8.95/lb
Oak Moss	To be completed by Public Works-95% complete by Township PW	25,384	To be completed by Public Works	
<b>Required Sediment Reduction (lbs)</b>		<b>109,838</b>		
<b>Anticipated Sediment Reduction (lbs)</b>		<b>112,042</b>		

<b>Lower Chartiers Creek, Robinson Run</b>				
<b>Project</b>	<b>Status</b>	<b>lbs Sediment Removed</b>	<b>Project Cost</b>	<b>Cost per lb Removed</b>
Anchor	PW to complete	4,854	Outlet Structure Modifications	
Seabright	To be bid	10,280	Approx \$125,000.00	\$3.77/lb
Cove	PW to Complete	33,920	Outlet Structure Modifications	
North Road	PW to Complete	5,587	Outlet Structure Modifications	
<b>Required Sediment Reduction (lbs)</b>		49,687		
<b>Anticipated Sediment Reduction (lbs)</b>		54,641		