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TO: North Fayette Township Board of Supervisors DATE: October 22, 2021
S. O. No.: 0448-01
FROM: Kevin A. Brett, P.E. cc: File
SUBJECT: Monthly Engineer's Report
October 26, 2021 Meeting

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. **2020 Roadway Improvements Program:**

Add Alternate 39: West Allegheny School Intersection: \$419,324.50. This is for widening and overlay of Road and Temporary Line Striping. Thermoplastic lines will be completed in 2021 with Traffic Signals. This is to be paid for from other funds other than Paving Budget.

*Work awarded to Youngblood Paving, Inc. North Fayette's Portion is \$949,009.50 (Base Bid and Add Alternate No. 39 – West Allegheny Road). Work is complete. Walkthrough held on November 19, 2020. Minor punchlist items remain. LSSE transmitted pay request in the amount of \$370,706.73 as noted in letter dated December 21, 2020. LSSE transmitted Pay Request in the amount of \$19,510.88 as noted in letter dated March 1, 2021. Work on West Allegheny Road began week of June 7, 2021. LSSE transmitted Change Order Nos. 3 and 4 to the Township for execution on June 14, 2021; these change orders were issued to adjust contract value to include costs for additional sidewalk, ADA Ramps, and conduit on West Allegheny Road which are part of the traffic signal permit. **Substantial work is completed; lawn restoration and shrub planting is outstanding. Awaiting final payment from Contractor (Youngblood Paving, Inc.).***

2. **2021 Road Program:** *LSSE to prepare bid documents late March bid opening for the second Joint Bid Program. LSSE to work with Township staff to finalize the list of roads and budget for 2021 roads.*

Bids were opened on March 29, 2021. Work was awarded to Youngblood Paving, Inc. North Fayette's awarded portion noted below:

*Base Bid: \$ 219,818.50
Farm Crest Drive (Steubenville Pike to Palomino Drive
Farm Crest Drive (Palomino Drive to Silo Court)*

*Silo Court (Farmcrest Drive to Cul-de-Sac)
Chelsea Drive (Timberglenn Drive to Cul-de-Sac)*

*Alt 1 - Hankey Farms Drive (Steubenville Pike - Steubenville Pike): \$120,182.00
Alt 2 - Palomino Drive-(Farmcrest Drive to Swiss Drive): \$40,608.50
Alt 3 - Valley Street-(North Branch Road to Township Border): \$93,541.50
Alt 4 - Gay Street-(Ivy Street to Sitarik Street): \$34,380.75
Alt 5 - Ivy Street (Dawn Street to Dead End): \$13,562.75
Alt 6 - Dawn Street (North Road to Ivy Street): \$6,739.80*

Paving to be completed on all streets by early part week of October 25, 2021. Final walkthrough to be completed next week if paving is completed and punch list issued.

3. **2021 Roadway Maintenance Seal Coating** – Bids were opened on May 24, 2021. *Youngblood Paving, Inc. was the apparent low bidder in the amount of \$42,995.00 (Base Bid) as noted in Bid Report letter dated May 25, 2021. Base Bid is Kelso Road from Steubenville Pike to North Branch Road , Add Alternate Number 1 is Pattridge Lane from Kelso Road to Steubenville Pike for \$ 26,013.00 and Add Alternate Number 2 is Kelso Road—Wood waste Entrance to S.R. 22 On Ramp for \$ 38,107.50. Work was awarded to Youngblood Paving, Inc. in the amount of \$107,115.50 on July 28, 2021. Contracts were transmitted to the Township for execution on August 5, 2021. Pre-Construction Meeting to be held week of August 9, 2021. Seal coating completed, final inspection to be completed week of October 25, 2021.*
4. **Summit Park Drive Pedestrian Improvements:** *This is likely a 2021 or later construction schedule due to SPC and PennDOT reviews. This project is allocated in PennDOT budget but after design is 100% approved and reviewed by PennDOT, it will then go in the letting schedule which needs to match up with the State. Township to obtain two easement and construct small section of walk under the 2021 Road Program to save significant amount on project soft costs. This section will be removed from the PennDOT project. LSSE met with PennDOT on October 13, 2021. LSSE preparing plan revisions based on PennDOT discussion. Revised plans have removed sidewalk at Sam’s Club and Walmart to be constructed outside of existing right-of-way from PennDOT grant scope.*
5. **GEDF (Gaming Economic Development Fund) Grant Applications:** *Grants were awarded for the following projects:*
 - a. *Lafayette Plaza PRP Retrofit - \$120,000 was awarded. Surveys and design completed. LSSE working with County for public notifications prior to advertisement being placed. Awaiting County approval for scope amendment of funding for roof replacement. Project to be bid once amendment issue resolved and Contracts are signed with County. Pre-bid meeting held January 13, 2021 with County. NPDES Permit has been issued. Bids were opened on April 6, 2021. Work was awarded to G. Salandro Excavating, LLC in the amount of \$175,300.00. Pre-Construction Meeting held on June 2, 2021. Contract Documents were transmitted to the Township for execution on June 10, 2021. Notice to proceed has been issued. Shop drawings have been received and reviewed. Shop drawings anticipated to proceed in July. Work is complete. LSSE transmitted Partial Payment No. 1 in the amount of \$63,191.70 as noted in*

letter dated September 1, 2021. LSSE transmitted Partial Payment No. 2 in the amount of \$44,100.00 as noted in letter dated September 23, 2021. Final inspection and close out to be scheduled by end of October.

6. List below for grants:

GEDTF

PRP Improvements

- 3 Pond Retrofits
- Grant Request \$500,000

North Fayette Boulevard

- Construction of New Roadway
- Grant Request \$500,000

Park Lane

- Sidewalk Improvements
- Grant Request \$500,000

RACP

Police Station

- Total cost \$11,531,845
- Grant Request \$2,000,000
- Match \$9,531,845

DCNR

Donaldson Sidewalk

- Sidewalk extension from Donaldson Park to Municipal Complex
- Total Cost \$297,000
- Grant Request \$148,500
- Match \$148,500
- Notifications to probably be made towards end of year

DCED Greenways, Trails and Recreation

Donaldson Sidewalk

- Sidewalk extension from Donaldson Park to Municipal Complex
- Total Cost \$297,000
- Grant Request \$250,000
- Match \$47,000
- Notifications to probably be made towards end of year

DCED Multimodal

Donaldson Intersection Improvements

- Total Cost \$1,380,000
- Grant Request \$966,000
- Match \$414,000
- Notifications to probably be made towards end of year

DCED Multimodal
Summit Park Drive Improvements

- Total Cost \$1,861,505
- Grant Request \$1,303,053
- Total Match \$558,452
- NFT Match \$531,243
- Findlay Match \$27,209
 - Notifications to probably be made towards end of year

CDBG Yr 47 Structure Demolition
837 Wall Street and 700 Santiago Road

- Total Cost \$44,850
- Awaiting for County notification of award/denial

7. **CD Year 46 – ADA Drinking Fountains**

*The Township was awarded CDBG grant funding for installation of two ADA drinking fountains within the Municipal Complex. LSSE prepared bid documents for Char-West COG. Bids were opened on October 29, 2020. Swede Construction Corporation is the apparent low bidder in the amount of \$38,070.00 as noted in Bid Report dated November 12, 2020. County issued award. Pre-Construction Meeting was held March 24, 2021. LSSE transmitted Partial Payment No. 1 in the amount of \$10,800.00. LSSE to request updated schedule. **Contractor to remobilize week of October 25, 2021.***

8. **CD Year 47 – Structure Demolitions**

*LSSE prepared Application for submission by COG. **Awaiting notification of award / denial from the County. No change.***

9. **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.*

10. **Mahoney Road:** *PADEP General Permit No. 3 has been submitted to ACCD on August 24, 2020. Permit has been issued. Township public works has started repairs prior to permit expiring in July 2021, and have 12 months to complete.*

11. **Municipal Complex Gas Service:** *LSSE met with Peoples gas and the representatives for Columbia gas on 8/9/21. Columbia Gas has confirmed Peoples will provide the 2 PSI pressure. LSSE confirmed the gas service demand for the entire municipal complex. LSSE working with Township Staff to determine the actual location of the existing gas service. Next step is vacuum excavation. LSSE provided a Bid Report to the Township on September 30, 2021 for the vacuum excavation of the existing gas service line. Robinson Pipe Cleaning was the apparent low bidder at \$3,250/day. Once the physical gas service line is exposed Peoples Gas will make their final review and start installation of their*

portion of the new service line. The Township and TC Energy discussing final location of the service connection.

12. **Traffic Signal Reviews**

LSSE has started review of the traffic signals and is preparing a long term plan for the Township's consideration. The Township Community Development Director and LSSE have been in contact with PennDOT for them to repair the traffic signal loops damaged by the Department's paving contractor in 2019 -2020 at the ramps. PennDOT has sent an email that this work is scheduled to be completed, timing was 4-6 weeks per verbal discussion. LSSE has requested copies of all traffic signal permits and will complete field review over next two weeks once received. LSSE has also requested pricing from Traffic Systems and Services for the items which need immediate maintenance and attention. For Tuesday evenings meeting I've requested they provide the cost for all the immediate items on Summit Park Drive. We will provide this cost prior to the July 13, 2021 meeting if received from Traffic Systems and Services. Additionally, for the August meeting we will have all the costs proposed to repair the remainder of the items listed on the Traffic Systems and Services Maintenance Items Breakdown received by the Township in June or July. LSSE has also started to research two grant programs for traffic signal long term upgrades and will provide timing on submittals and what elements are applicable. Traffic Systems and Services has completed the initial work authorized at July Township meeting.

Contractor to have second group of costs for Township approval at the second meeting in August for remainder of the signals.

Work on 5 points intersections has been authorized via change order to be completed by Power Contracting with the West A intersection per change order prepared by HRG.

LSSE will provide Township with budget number to replace all the control boxes in the Township with new ones.

13. **Municipal Complex Review**

LSSE has transmitted a request for information from Township Departments Directors to provide input into the needs of the staff. LSSE met with BOS after the August 10 meeting to discuss what the BOS thoughts are on various items relating to the expansion. Draft concepts provided to Manager, Assistant Manager and Police Chief for review.

Police Station Review

LSSE is working with Stephen Paxton for renovations to existing building (raft concepts provided to Manager, Assistant Manager and Police Chief for review) and addition updated site plan on two locations at or near the school district property. LSSE to provide concepts for the second meeting in November or first meeting in December.

14. **Growing Greener Grant**

LSSE submitted Grant Application for Pollutant Reduction Plan Implementation.

15. **Sidewalk Review**

*Field work for sidewalk reviews are ongoing. Field Reviews in the southern transportation area are completed. Draft document to be submitted to Planning Director for review the week of July 12, 2021. Once Staff comments have been addressed project can be considered for authorization to advertise. LSSE to meet with Township staff week of August 9, 2021 and review all the walks to be repaired. Township staff to prepare notices to the residents for repairs to be completed. This completes this item for LSSE. **LSSE to review the second area in November and provide the list of repairs to be completed by January. Project to be bid in February 2022 and notices in March 2022 by Township.***

16. **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. The SOA includes surveys, walk design and preparation of permits and bid documents for Board of Supervisors' consideration. Surveys have been started field work scheduled for week of July 20th. Conceptual design to be completed over next 30 days to review with Staff. Conceptual plan to be reviewed with BOS on August 10, 2021. **LSSE is preparing the NPDES Permit Application. LSSE working with Township staff to perform the necessary infiltration tests.***

17. **North Fayette Boulevard**

LSSE Authorized to complete surveys, design and NPDES permitting for roadway construction of future roadway connection at pointe. Surveys have been started and Aerial ordered. Field work for Aerial control and property to begin 7-13-2021. Preliminary design to be completed over next 30 days for review with Board of Supervisors.

Surveys and Aerial completed. Preliminary layout to be reviewed with BOS and property impacts to be discussed.

*Next steps prepare NPDES permit for roadway and waste area. Target date for permit submittal is November 15, 2021 as we need geotechnical investigation completed prior to permit being completed. This will take right of entry to complete geotechnical engineering. LSSE obtained proposals from Geotechnical Engineers and provided a recommendation to the Township for consideration at second meeting in September. **Rights of Entry is next step for Geotech.***

18. **Chief of Police Office Repairs**

*LSSE meeting with contractor to remove flooring in two office areas and pour with concrete. LSSE to provide cost for repairs when received, goal is prior to July 13, 2021 meeting. LSSE has prepared plans and specifications and provided ad for Township to request bids or floor to be repaired with concrete. **Bids were opened on September 10,***

2021; Project awarded to Grahamboys, LLC for \$39,369.00, award letter sent October 8, 2021. Contract Documents have not been received as of today but Contractor indicated verbally they have been mailed. Preconstruction meeting to be held week of October 25, 2021 if contract documents are received and executed.

19. **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.

20. **Summit Park Drive Bridge**

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

*Once report issued LSSE will review findings with BOS. **LSSE has researched and been provided the dedication documents which does refer to the bridge surface. LSSE has a files request in to PennDOT and the County for their records as well as Findlay Township.***

21. **Summit Park Drive and Park Lane Drive Intersection Signal**

Wooster is preparing summary of warrant analysis. LSSE to review results when received, but the analysis does not meet warrants for signal at this intersection.

Active Developments

1. **Fayette Farms:** *Utility installation is complete for Phases 11 and 12. Roadway has been paved for Phases 11 and 12. LSSE issued As-Built Grading review letter dated February 26, 2021 for Phases 11 and 12. LSSE and Township Staff coordinate with Developer for submission of items for dedication of Phases 5, 7, 8, and 9 roadways at the June Board of Supervisors Meeting. LSSE and Township Staff met with the Developer and ACCD on September 17, 2021 to review the site regarding conversion of stormwater facilities and termination of the NPDES Permit to allow of release of the Developer's bond.*
2. **Princeton Place:** *Installation of utility infrastructure (storm and sanitary sewers) is complete for Phase 1. Roadway has been paved. Phase 2 construction resumed in May 2020. Initial paving completed for Phase 2 week of July 20, 2020. LSSE and the Township met with the Developer to discuss installation of sidewalks and various outstanding development items.*

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.*

Subdivisions and Land Developments

1. Fayette Farms – Revised Tentative PRD: LSSE issued review letter dated September 24, 2021.
2. Standee Property – Final PRD: LSSE issued letter dated October 4, 2021.
3. Walker Subdivision – Subdivision Plan: LSSE issued letters dated October 8, 2021 and September 28, 2021.

Bonds

1. None.

Grading Permit Applications

1. Columbia Gas Transmission, LLC: LSSE issued letter dated September 22, 2021.

Logging Permit Applications

1. None.

Road Occupancy Permit Applications

1. None

Stormwater Management Review

1. None

Conditional Use Applications

1. None.

Sanitary Sewers

1. North Road Sanitary Sewer Extension: *LSSE issued letter regarding settlement near manhole on North Road on May 17, 2021. LSSE issued letter dated July 29, 2021 regarding additional roadway settlement areas. No Change.*

2. Consent Order: **Draft document received from Health Department.** *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.*

3. **Act 537 update**
 - Existing conditions model completed
 - Proposed model calibrated
 - Request for flow allocation sent to ALCOSAN by Township on July 13, 2021
 - August 13 - Model and conclusions – what needs upsized
 - August 16 - Letter from Township to ALCOSAN sending our model results for them to consider for pump station upgrades
 - August 20 – Rest of Act 537 –finished including cost analysis for work needed, draft to EAP for review, pending ALCOSAN response (we asked for response by Labor Day)
 - September 10 – Final draft to KAB/JES for review at October meeting
 - October 1 – Initiate Planning Agency review / public notice period
 - December– Municipal Adoption (is this all or just North Fayette and possibly others)
 - December/January – Submit to DEP

MS4

1. *The Permit was issued on March 6, 2018. LSSE transmitted Annual Progress Report to PADEP on September 30, 2019. LSSE completed outfall screening and provided summary memo to Township on July 29, 2020. LSSE transmitted 2020 Annual Report. LSSE provided summary memo of BMP review findings to Township and draft notification letters for their use. LSSE provided outfall testing summary memo to Township. **LSSE completed mock inspection with Township in September; LSSE is updating MS4 files for Township use.***