



LSSE Ownership Transition The First Six Months  
“So What Has Changed?”

In the Fall 2018 Newsletter, LSSE announced the completion of the final phase of its internal Ownership Transition Plan (OTP) which was strategically launched in the spring of 2008.

On June 15, 2018, LSSE’s Ned Mitrovich, Kevin Brett and Jason Stanton finalized acquiring 100% of the ownership interest in LSSE while continuing to manage the day-to-day operations with assistance by LSSE’s Unit Managers and Supervisors.

Two key questions that have been posed to all three of us by many of LSSE’s clients:

“So how does it feel to be an Owner of the company?”  
“What has changed since the Ownership Transition?”

And one question we asked ourselves on the sixteenth of June — “What in the world did we do?”

We found over time that LSSE would answer the questions. The training and knowledge we received from Larry, Larry, Dan and Del provided the valuable foundation required for the transition. They all provided guidance when required and space when needed to challenge LSSE to be the best it could be. We certainly want to continue to grow the firm through the character and work ethic of the LSSE staff. Together we’ve learned [we can](#) and LSSE’s [employees can](#) solve any problem presented to them if we work together.

Our motto has been for several years to “*Stay the Course*”. Staying the course continuing to do what we do best generally describes the last six months. Being involved in developing LSSE’s Mission Statement and delivering civil engineering and surveying services with a proven reputation for meeting client expectations and growth attributed to client satisfaction certainly has [NOT](#) changed.

To be frank, becoming Managing Principals has been great, awesome, rewarding but truly a bit anti-climactic in that we’ve been so heavily involved in the daily operations, decision making and have been shareholders of the firm for ten years or more. Another positive trend that we’ve sensed is that staff members have witnessed and been exposed to an internal ownership transition plan being completed and can relate that to their own personal/professional goals.

We want to thank our team for all the support during this transition as they all picked us up when needed during the first six months.

We are looking forward to many more great years with all our clients, friends and staff.

PS: On the 17th of June—we took a deep breath and agreed collaboratively that it’s all good—and has been ever since.....we luv it.

Thank You—  
The Managing Principals  
Kevin, Ned and Jason



**Lennon, Smith, Souleret Engineering, Inc.**

LSSE News is published for the benefit of our clients, associates and friends.  
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Miracles in Moon

On October 24, 2018, Moon Township in conjunction with The Miracle League of Moon Township, held a ground breaking ceremony at Moon Township Park. Moon Township and The Miracle League of Moon have teamed up to construct a state of the art baseball field and playground specifically for individuals with disabilities. The facility will include a Miracle League certified baseball field, 9,500 square feet playground, concession stand with restrooms, pavilion and picnic tables. The baseball field and playground will include a protective rubber play surface, and the restrooms will include facilities specifically designed to accommodate the needs of the players and fans of the organization.

LSSE was responsible for the surveying and engineering services necessary to develop the construction documents for the civil site work associated with the project. This included stormwater management, erosion and sedimentation control, site layout and design, landscaping and site grading. The entire site has been graded to be accessible by individuals with disabilities while ensuring proper stormwater runoff management and safety for the athletes and fans while maintaining the natural character of the park. LSSE is also providing construction phase services including construction stakeout, assisting with coordination between contractors and municipal staff, reviewing of material submission and requests for information.

LSSE Sports Tournament

LSSE has two new events included in this year’s sports tournament. Mini golf and trivia have been added to the roster, followed by bowling, volleyball and softball. The 2019 Tournament kicked off with mini golf at Scally’s Golf and Training Center. Brian Phelan on Team Wright came out on top with the lowest score, but it was Team Bajek that took the win.



Adopt a Family

The LSSE employees donated presents to the Salvation Army “Adopt a Family” program. To help raise money we had a 50/50 Raffle, Candy Sale and Soup Day. LSSE employees Christine Lauble; Samantha Douds; Caitlin Martin; Kevin Brett; Jo Powell; David Kovac and Sara Powell volunteered their time to go shopping for the two families we adopted.

### Family FUN

Mitch and Zach Hartman, (Sons of LSSE Employee Marie Hartman and Husband Carl Hartman) are NCAA Division I Wrestlers at Bucknell University. Mitch is a Junior and is majoring in Civil Engineering. Zach is a Freshman and is majoring in Biology/Pre-med. Zach is currently ranked #10 in the country at 157 pounds.



Josh Callender and his wife, Tatum welcomed their third daughter Bria on December 18, 2018, 8 lbs, 11 oz.





Grants and Funding UPDATE

We are pleased to announce several recent funding awards to our clients:

- PA Small Water and Sewer Program Grants (Commonwealth Financing Authority):**
- Avalon Borough – \$192,043 – Sanitary Sewer Improvements
  - Municipal Water Authority of Aliquippa – \$425,000 – Valve Replacement Project
  - Cochranon Borough – \$35,000 – Emergency Generators
  - Coraopolis Water and Sewer Authority – \$200,000 – Howard Street Sanitary Sewer Inflow Removal
  - Neville Township – \$350,000 – Neville Road Waterline Improvements
  - Pleasant Hills Borough – \$393,340 – Tassel Lane Lift Station and Terrance Drive Storm Sewer Project
  - Unity Township Municipal Authority – \$424,996 – Donohoe Road Sanitary Sewer Extension

- Community Conservation Partnerships Program (Department of Conservation and Natural Resources):**
- Avalon Borough – \$77,500 – Rehabilitation of Avalon Community Park
  - Castle Shannon Borough – \$185,000 – Hamilton Park Rehabilitation
  - Collier Township – \$20,000 – Comprehensive Recreation Plan
  - Coraopolis Borough – \$200,000 – Riverfront Park Rehabilitation

- Projects Funded by the Landmark Penalty Against Sunoco – Mariner East 2 (Department of Environmental Protection):**
- Delmont Borough – \$114,500 – Stormwater Management in Turtle Creek
  - Rostraver Township - \$327,000 – Stormwater Management in Cedar Creek and Pollock Run

- Allegheny County Department of Economic Development – Gaming Economic Development Fund (GEDF):**
- Pleasant Hills Borough – \$100,000 – Tassel Lane Lift Station and Terrance Drive Storm Sewer Project

- ALCOSAN GROW:**
- Castle Shannon Borough – \$307,100 – 2015 Operation and Maintenance Repairs
  - Fox Chapel Borough – \$658,417 – 2014-2017 O&M Sanitary Sewer Lining Program
  - Scott Township – \$258,900 – 2019 Source Flow Reduction and Sanitary Sewer Improvements Project

- Local Share Account (LSA):**
- Peters Creek Sanitary Authority – \$182,000 – 2018 CIPP Repair Program Project B

The budget for the Department of Agriculture saw a significant increase in FY 2018 compared to FY 2017 and prior years. The Rural Development within the Department of Agriculture provides various loans and grants for water and wastewater projects and other community facilities (to support public safety services and equipment). With this increase in budget, LSSE has several clients looking at and applying for these funding opportunities for their upcoming projects.

- LSSE anticipates that the Commonwealth Financing Authority will once again open applications for the Act 13 Marcellus Legacy Fund programs in 2019 with applications being due May 31, 2019 and including:
- Flood Mitigation Program
  - Greenways, Trails and Recreation Program
  - Sewage Facilities Program
  - Watershed Restoration Protection Program
  - Orphan or Abandoned Well Plugging Program
  - Baseline Water Quality Data Program
  - Abandoned Mine Drainage Abatement & Treatment Program

Please feel free to call Emily A. Palmer, P.E., S.E.O. (epalmer@lsse.com) or Josh R. Callender, E.I.T. (jcallender@lsse.com) with any questions or for additional information.

GIS

LSSE assists local municipalities with the web-based mapping through the utilization of ArcGIS Online web apps (AGOL) and implementation of TRAISR® by McMahon. LSSE can assist with defining the appropriate application(s) for both the near-term task at hand and larger, long-term objectives. These services are continually evolving as the demand for the technology increases and client specific operations are factored in. Through TRAISR, LSSE has been providing clients with methods to cost effectively and efficiently manage systems through the application of work orders, permits, asset tracking, fleet management, inspections and code enforcement.

Services Provided:

- |                                  |                             |
|----------------------------------|-----------------------------|
| • Custom Application Development | • Data Analysis & Migration |
| • Needs Assessment/Analysis      | • ESRI Software Solutions   |
| • Systems Integration            | • Training                  |
|                                  | • Support                   |

3D Laser Scanning

Over the years LSSE has implemented all types of surveying methods. Starting with Vernier transits and chains, then Electronic Measuring Devices (EDM), Total Stations, Global Positioning System (GPS) with Virtual Reference Station (VRS) and now Robotic Station with 3D Laser Scanning capabilities. A recent wetland location project was completed using this method. The site was in a swampy area too wet to access by foot and too small and not cost effective to have flown and used aerial photography. This also was located in an FAA restricted area where drones could not be utilized. In turn, the Robotic Station with 3D Laser Scanning capabilities was used with very cost effective and successful results.



- Wyatt D. Dishler, Civil Engineer  
Jeffery A. Galgon, Project Manager  
Marie S. Hartman, P.E., Senior Project Manager  
Rosemarie Lachell, Engineering Clerical  
Richard L. Ley, Resident Project Representative  
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Brian J. Phelan, E.I.T., Assistant Engineer  
Nicholas G. Polka, Resident Project Representative

What is Warm Mix Asphalt (WMA)?

WMA is a general term for a variety of relatively new asphalt technologies that allow producers to mix pavement materials at lower temperatures (30° - 120° F lower) compared to Hot Mix Asphalt (HMA). Less heat means a decrease in energy and fuel consumption as well as safer working conditions during production. In addition to the environmental benefits, WMA provides performance benefits as well. The additives used during the mixing process reduces the viscosity of the liquid asphalt cement, allowing the liquids and aggregates to be mixed at lower temperatures. This also makes the mix easier to manipulate and compact in the field, especially at lower temperatures which extends the paving season. Better compaction increases the performance and lifespan of the pavement as well as making the final product more aesthetically pleasing.

WMA Moving Forward

In general, WMA technology saves time in production and during construction. In addition to the reduced fuel and energy consumption this saves costs overall. However, since WMA technology is relatively new, it is still a slight cost increase to implement for bidding as producers still are not completely switched over. As the industry shifts to using WMA more regularly the costs will decrease and it will most likely become the standard over HMA. PennDOT is in the process of completely switching to WMA on all projects state wide. In 2017, 88 percent of the asphalt tonnage used on PennDOT projects was WMA, with numerous state districts solely using WMA.

In 2018, the Pennsylvania Department of Environmental Protection (DEP) issued renewed MS4 (Municipal Separate Storm Sewer) Permits to many municipalities. The renewed permit introduced a significant new requirement, development and implementation of a Pollutant Reduction Plan, for many permittees. Pollutant Reduction Plans are required for municipalities that discharge to streams impaired for specific pollutants of concern, identified by DEP as sediment and nutrients. Permittees must reduce the discharge of sediment and nutrients by 10% and 5%, respectively, by March 2023.

To achieve the pollutant reduction goals required by DEP, permittees must design and construct Best Management Practices (BMPs) to treat stormwater runoff that is collected or conveyed by their MS4. The Pollutant Reduction Plans reviewed and approved by DEP identified potential BMP types and location. In many instances, the proposed improvements include retrofit of existing dry detention basins into water quality BMPs, construction of new water quality BMPs such as rain gardens or bioretention areas, and stream restoration projects. With approval of plans by DEP in 2018, survey, design and permitting is underway for commencement of initial project construction in 2019. Reporting of Pollutant Reduction Plan progress is required in each year’s Annual MS4 Report due to DEP on September 30th. Reporting includes confirmation of continued operation and maintenance of installed BMPs. Continual progress towards meeting the minimum reduction by March 2023 must be reported. Accordingly, current and future annual municipal budgets must account for the costs associated with final design, construction and continued operation and maintenance of Pollutant Reduction Plan BMPs.

