



BIPARTISAN INFRASTRUCTURE LAW

On November 15, 2021, the Infrastructure Investment and Job Act, also known as the "Bipartisan Infrastructure Law" was signed into law. This law provides \$550 billion in infrastructure funding over fiscal years 2022 through 2026. This includes: funding for elimination of lead pipes in water distribution systems, high-speed Internet access, roadway and bridge improvements, investments in public transit, transportation upgrades including airports and ports among other infrastructure. Information available at this writing suggests funding will be funneled through the traditional funding agencies such as PennVEST, USDA RUS, the Department of Transportation and others. Funding is expected to be disbursed for use in mid to late 2022. Stay tuned for more information from LSSE's Funding Leadership Team as it becomes available. In the meantime, if you have a project, please feel free to discuss with your LSSE client manager to move it to "shovel ready" status to improve your community's chances of taking advantage of these funding opportunities.

MUNICIPAL PHASE II CONSENT ORDER AND AGREEMENT

LSSE was appointed prime consultant for the 3 Rivers Wet Weather (3RWW) Program Management (PM) Team in 2021.

As part of PM Team appointment, LSSE and 3RWW are tasked with representing the interests of the 83 municipalities tributary to the Allegheny County Sanitary Authority (ALCOSAN) system as it relates to the one of the most complicated wet weather sewage facilities plans in the United States including assistance with the municipal Phase II Consent Order and Agreements (COAs) with the Allegheny County Health Department (ACHD) and / or Pennsylvania Department of Environmental Protection (PaDEP).

3RWW has been actively supporting municipal compliance via the development of tools, templates, and recommendations to the region at-large. LSSE has a strong presence at three hybrid monthly meetings including the Wet Weather Working Group (3WG), the Separate Sewer Subcommittee (SSS) and the Combined Sewer Subcommittee (CSS), often times presenting and facilitating multi-municipal and regional stakeholder dialogue pertaining to key wet-weather topics impacting the region.



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ONE PART REFLECTION, THREE PARTS "MOVING IT FORWARD"

Every clock sprung forward a few weeks ago to Daylight Savings Time, signifying the unofficial start to spring. There is something simply magical attributable to spring, whether it be tree buds emerging from dormancy, the NCAA Men's/Women's basketball, wrestling tournaments, baseball spring training or the start of a new construction season refreshing, enhancing or creating new public infrastructure improving the lives of LSSE's communities that we serve.

LSSE's Strategic Business Planning (SBP) meetings allocates time to the past and present followed by emphasis on near-term and longer-term commitment, potential and projection needed to achieve goals and aspirations. In terms of a recipe, these meetings can be considered One Part Reflection, Three Parts "Moving it Forward".

At the spring SBP meeting, LSSE's Managing Principals had a chance to reflect on the past two years dating back to mid-February 2020 when LSSE's Emergency Operations Plan, dual shift approach, was implemented thereby allowing certain teams of employees to care for children during the day while adhering to our client's commitment to community infrastructure progress in the evenings. A brief reflection back to March 19, 2020 (when Pennsylvania's governor mandated physical closure of all non-life-sustaining-businesses effective at 8:00 PM) acknowledged that the LSSE's Evening Shift staff, supported and assisted by employees from the Day Shift, resumed full operation by 8:45 PM!

Since that time and when confronted with adversities in terms of variable health guidance, widespread supply chain challenges and uncertain global political climates, it was acknowledged that LSSE's employees forged a stronger bond with each other AND with the Client's that we serve. It is this family-type bond that has allowed LSSE to continue to advance our service offering profile, client base, geographic footprint and collaborative team-work atmosphere enhancing the opportunity for LSSE employees to progress in diversified personal and professional goals.

In summary, LSSE's past two years mirrors the American resolve of experiencing widespread adversity leading to enhanced perseverance, reinforcing character and inspiring hope in those that we interact with and serve. The One Part Reflection suggested significant momentum toward LSSE's future, the Three Part, "Moving It Forward" is full of hope in continued growth serving LSSE's valued Clients and communities.

ARC GIS ONLINE

ArcGIS Online is a SaaS (software as a service) that provides everyday users with mapping and analysis solutions. This technology can be available to any client that is taking or would like to take advantage of a Geographic Information Services system. Within ArcGIS Online, maps and apps can be shared to collaborate between municipalities, authorities, public works, and engineers. Maps and apps can be accessed through a desktop, mobile device, or smart phones with updates by GIS staff being available in real time with a push of a button or refreshing a web page. Applications can be developed and customized to meet each project requirement or system mapping goals. One of the most utilized capabilities is pairing the ArcGIS Online mapping with mobile applications such as ArcGIS Collector and ArcGIS Field Maps. Within those applications, there is built-in-functionality to tether to GPS equipment to collect or correct location data for assets.

ArcGIS is also the host to data that is available to TRAISR clients. Enhancement to integration with ArcGIS Online applications is in development. Combining the ease of the mobile experience with the power of TRAISR would provide a user friendly interface when entering work orders, permits, inspections. The information collected will feed back between TRAISR and ArcGIS Online to create a seamless workflow.



GRANTS/LOANS FUNDING UPDATE

LSSE is pleased to announce recent funding awards totaling **\$11,397,506.00** to our Clients:

LSA Statewide Funding: Many of LSSE's Clients took advantage of the Commonwealth Financing Authority's Local Share Account (LSA) grant program funding through the PA Race Horse and Development and Gaming Act, Act 71 of 2004. This funding has traditionally been reserved to counties where casinos were built, however the program was opened up state-wide in early 2022 with applications due March 15. We expect those applications to be acted on in Fall 2022. Our sources with CFA and DCED have advised that this state-wide program is expected to open annually.

The Department of Community and Economic Development (DCED): Commonwealth Financing Authority: Bridgeville Borough \$74,520 Grant – Structure Demolitions.

PHMC Keystone Grant: Moon Township \$100,000 Grant – Mooncrest Community Center Window Replacement.

Beaver County American Rescue Plan Infrastructure Program: Brighton Township Municipal Authority \$527,400 Grant – Dawson Ridge Area Waterline Replacement and Tank Painting; Brighton Township \$204,000 Grant – Beaver Woods Stormwater Pond; Center Township \$107,000 Grant – Pollution Reduction Plan; Center Township Sanitary Authority \$320,000 Grant – Chapel Road Sanitary Sewer Line Improvements; Center Township Water Authority \$830,000 Grant – Brodhead Road Waterline Replacement; Patterson Township \$110,000 Grant – Pollution Reduction Plan; New Sewickley Township Municipal Authority \$1,250,000 Grant – Weaver Waterline Extension and Tri-County WVWA Interconnect; Municipal Water Authority of Aliquippa \$2,000,000 Grant – Monaca Interconnect, Todd Road Waterline Replacement and Emergency Sewer Repairs; Midland Borough \$250,000 Grant – Railroad Storm sewer Repair and Sanitary Project; North Sewickley Township Water Authority \$146,000 Grant – Tank Painting; North Sewickley Township Sewer Authority \$177,000 Grant – Brighton Road Lift Station; Rochester Area Joint Sewer Authority \$76,000 Grant – Delaware Avenue/Giant Eagle Sewer Improvements, \$50,425 Grant – 2021 Sewer Improvements, \$116,000 Grant – New York Harmony Rain Garden; White Township \$151,000 Grant – Old Steffin Hill Road and 11th Avenue Sanitary Sewer Repair, 21st Avenue Sanitary Sewer Improvements and Orchard Avenue Sanitary Sewer Improvements.

Commonwealth Financing Authority Multimodal Transportation Programs: Coraopolis Borough \$800,000 Grant – Main Street Roadway and Sidewalk Replacement; North Fayette Township \$100,000 Grant – Summit Park Drive West Improvements and Pine Township \$400,000 Grant - 2022 Babcock/Bakerstown Signal and Turning Lane.

Commonwealth Financing Authority Local Share Account: Cecil Township Municipal Authority \$300,000 Grant – Village of Lawrence Sewage Facilities Project and Peters Creek Sanitary Authority \$207,375 Grant – Interceptor Manhole Rehabilitation Project.

Allegheny County Economic Development ACT 152 Blight Remediation: Avalon Borough \$42,250 -- Structure Demolition; Bridgeville Borough \$41,000 -- Structure Demolition; Neville Township \$24,150 -- Structure Demolition and Sewickley Borough \$30,690 -- Structure Demolition.

Allegheny County Gaming, Economic, Development and Tourism Fund: Scott Township \$100,000 – Splash Pad Restroom; Avalon Borough \$179,160 – Basketball Court Improvements; Moon Township \$249,411 – Boggs Water Line Extension and Mooncrest Sewer Extension; Ohio Township \$200,000 – PRP Improvements; and Collier Township \$100,000 – Public Works Sanitary Sewer Extension; Bridgeville Borrow \$500,000 Grant – Werner Street Retaining Wall; Castle Shannon Borough \$150,000 Grant – Saw Mill Run Stream Improvements; Edgeworth Borough \$200,000 Grant – Church Lane Sanitary Sewer Lining and Beaver Road Bridge Repairs.

Commonwealth Financing Authority Act 13 Programs: Mount Pleasant Township \$112,000 Grant – Slope Hill Road Culvert Replacement; Baldwin Borough \$50,000 Grant – Pool Improvements; Castle Shannon Borough \$125,000 Grant – Lower Hamilton Park Pavilion and Site Improvements and Delmont Borough \$225,000 Grant - PRP Stormwater Improvements.

PA Department of Conservation and Natural Resources: Coraopolis Borough \$306,500 Grant - Further Development of Riverfront Park and Ohio Township \$250,000 Grant - Rehabilitation and Further Development of Ohio Township Community Park.

Pennsylvania Department of Environmental Protection: Castle Shannon Borough \$108,000 Grant – PRP Implementation; North Fayette Township \$70,125 Grant – PRP Improvements.

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

WHAT'S NEW?

On November 19, 2021 the Pennsylvania Society of Land Surveyors issued their updated standards of practice for Professional Land Surveyors in the Commonwealth of Pennsylvania. LSSE surveyors practice and use these standards, along with other agencies and authorities' standards (i.e. ALTA/NSPS Land Title Survey Standards, PennDOT Survey and Mapping Manual, etc.) and the use of professional judgment on a regular basis while performing and preparing surveys.



LSSE's NEWBORNS

LSSE would like to congratulate...

Brian J. Phelan, E.I.T. and his wife Kelli Phelan welcomed their daughter Olivia Renee Phelan on November 12, 2021.



CTWA PERMANENT PLANT TRANSITION

Construction of the Center Township Water Authority's (CTWA) new Water Filtration Plant started in October 2021. Foundation construction is proceeding as illustrated in the photo below.

This nearly \$70 million potable water supply and treatment project is expected to be completed in the fall of 2024. Once complete, this project ends a 13-year planning, design and construction effort by the CTWA and LSSE. This complex public works project was delivered in phases to maintain uninterrupted service to CTWA's customer base of 18,000 people and to coordinate work with the Shell Plant. This project is being completed at no cost to the CTWA customers.

Phase I included the construction and start-up of an Interim River Intake and Interim Water Treatment Plant in just 20 months. The project was delivered using fifteen separate concurrent material and construction contracts to meet schedule demands. Phase I was completed in September 2016. The capacity of the interim facility is 3 million gallons per day (MGD). Phase II included a new 5 MGD River Intake and a Residuals Processing Facility. The River Intake is a multistory facility that collects raw water from the Ohio River using tunnels and screens constructed below the Ohio River. Once collected; raw water is lifted to the treatment plant by high pressure vertical turbine pumps. The new Residuals Processing Facility is located adjacent to the Interim Water Treatment Plant. Filter backwash water generated during water plant operation is treated in this facility prior to discharge to the Ohio River.

Phase III includes construction of the new Water Filtration Plant. This Water Filtration Plant will have the capacity to produce 5 million gallons of water per day. It features many advancements in drinking water treatment including enclosed supervisory control and data acquisition (SCADA), lamella plate clarifier's, granulated activated carbon (GAC) absorbers and Ultraviolet (UV) treatment. All facilities are provided with redundant power supplies to maintain operation during extended power outages.

The Phase I Interim Facility Project was awarded two local engineering awards – the 2016 Project Award in the Industrial Category by the Engineers' Society of Western Pennsylvania (ESWP) and the 2016 Award of Merit by the American Society of Civil Engineers (ASCE) Pittsburgh Section.

CASTLE SHANNON BOROUGH SIX PARKS PLUS PLAN

"...It started with a railroad line that attracted citizens to Castle Shannon. Schools, churches, houses and businesses continued to grow and expand from the tracks and develop into the charming community that Castle Shannon is today."

LSSE provided Castle Shannon Borough with visions and concepts for the Six Parks Plus Plan. The Borough's Parks will evolve around Hamilton Park, Municipal Park, Riehl Park, Prospect Park, Myrtle Park, O'Brien Field and the Castle Shannon Library. The plan will evolve Castle Shannon's park systems into vibrant, outdoor, public destinations continuing to respond to community needs, creating spaces that encourage community involvement through recreation, and providing opportunities for neighborhood connectivity. A wide range of improvements ranging from water features to enhancing baseball and soccer opportunities, dek hockey and improved trail systems promoting healthy lifestyles and continuing expansion on the Borough's goal of promoting a sense of community and maintaining/enhancing the Borough's character and quality of life. Construction of plan elements will take 3-4 years to complete.



EMPLOYEE SPOTLIGHT

NEW HIRES:

Allegheny County Office (Headquarters):
Cody A. Colarusso, E.I.T.; John Kielar; Dave Rogers; Keegan W. Ramser; Alexander J. Gercak; Michael A. Babusci, P.E.; Kevin D. Hilling, E.I.T.

Erie County Office (Branch):
Jude B. Lampman and Nathaniel Roche

Westmoreland County Office (Branch):
Sean B. Fyock, P.E.; Michael B Vadas, P.L.S. and Jacob B. Stoner, S.I.T.; Timothy Fyock, P.E., P.L.S.

Beaver County Office (Branch):
Evan D. Williamson

Franklin County Office (Branch):
Brandon Clay

WELCOME NEW CLIENTS!

Green Tree Borough, Allegheny County
Rochester Township, Beaver County
North and South Shenango Joint Municipal Authority,
Crawford County
Sandy Lake Borough, Mercer County
Borough of Dormont, Allegheny County
Borough of Franklin Park, Allegheny County
Borough of Oakmont, Allegheny County
Logisticus Projects Group, Greenville, South Carolina
Leet Township, Allegheny County



Foundation Construction Adjacent to the Existing Interim Water Treatment Plant