

Section 2 Project Status Report 2018

Project Number	Responsible Jurisdiction	Type (acquisition, relocation, elevation, retrofitting, safe rooms, utility protection, water/sewer, roads/bridges, storm water mgmt., localized flood control for critical facilities, etc.)	Description of Problem and Project	Est. Cost	Rank	Status
16-00-01	County EMA and Municipal Elected Officials	Miscellaneous	Identifying residents with special needs as defined by FEMA in case of emergency. Develop a program to identify residents within the County that have special needs. This would include developing the form, processes used to collect information, maintaining information and implementing information during times of emergencies.	\$10,000	High	Working on funding
16-00-02	County EMA and Municipal Elected Officials	Miscellaneous	Assist residents with completion of Flood Plain Elevation Certificates.	\$40,000	Low	Working on funding
16-00-03	County EMA and Municipal Elected Officials	Miscellaneous	Current county warning system is only setup for county wide tornado warnings. Change the current tornado warning system to an all hazard system with individual fire company activation.	\$12,000	Med	50 % Completed
16-01-01	Ashland Twp. Supervisors	Miscellaneous	Work with DEP to plug 29 Orphaned/Abandon wells within the Township	\$900,000	Low	Working on funding
16-01-02	Ashland Twp. Supervisors	Storm Water Management	Spook Hollow Road washes out every time there is a hard rain. Replace small culvert pipe with larger pipe and grade and resurface the road.	\$80,000	Low	Working on funding
16-01-03	Ashland Twp. Supervisors	Miscellaneous	Bridge removal over old railroad tracks.	\$1 – 2.5 M	Low	Working on funding
16-01-04	Ashland Twp. Supervisors	Bridge	Replace bridge on Route 322 over tributary to Canoe Creek	\$1 – 2.5 M	Low	Completed
16-02-01	Beaver Twp. Supervisors	Storm Water Management	Eagle Furnace Road washes out every time there is a hard rain. Grade and resurface 3,000 feet of the road.	\$70,000	Low	50% Complete Working on funding
16-02-02	Beaver Twp. Supervisors	Miscellaneous	Work with DEP to plug 28 Orphaned/Abandon wells within the Township	\$900,000	Low	Working on funding
16-02-03	Beaver Twp. Supervisors	Storm Water Management	Blair's Corners culvert pipe failing. Repair or replace culvert pipe.	\$18,321	Low	Bid accepted Work to be completed by spring 2019
16-02-04	Beaver Twp. Supervisors	Bridge Project	Deck failing on Burnt Mills Road bridge over Beaver Creek. Replace bridge.	\$700,000	Low	Working on funding

16-03-01	Brady Twp. Supervisors	Miscellaneous	Identifying residents within the Township that have special needs in case of emergency. Complete a survey of all Township residents to identify those with special needs in case of emergency.	\$100	Med	Ongoing
16-04-01	Callensburg Boro. Council	Miscellaneous	No backup power for emergency shelter in the Borough. Install emergency generator at shelter.	\$35,000	Low	No funding
16-04-02	Callensburg Boro. Council	Miscellaneous	Identifying residents within the Borough that have special needs in case of emergency. Complete a survey of all Borough residents to identify those with special needs in case of emergency.	\$500	High	Ongoing
16-05-01	Clarion Borough Council	Miscellaneous	Unable to provide emergency warnings to public (approximately 150,000) during special events. Project would entail installing amplifiers, system controls, outdoor speakers, and several thousand feet of wire, all necessary connections and weather proofing fittings plus significant installation and labor costs. Project completion would require permits, as well as cooperation of local utilities and municipal authorities to use existing street lights and utility poles for mounting speakers.	\$65,000	High	No funding secured yet
16-05-02	Clarion Borough Council	Storm Water Management	The storm water infrastructure located in the Center Place corridor (from South Street to the outfall point in Clarion Township – approximately 2,200 feet) is malfunctioning during moderate to severe rain events. The malfunctions include water backups, local road and property flooding, road edge erosion, surface/ditch erosion and the formation of severe voids underneath the roadway itself. Essentially, these malfunctions are being caused by aged, undersized and deteriorated piping and inlets. The problems will certainly continue and likely worsen over time if no action is taken. This project proposes to completely replace and upgrade the existing storm water piping with larger-bore HDPE smooth-bore pipe (up to 60-inch), replace all inlets and install additional inlets (approximately 12 additional inlets) as needed. The outfall points and area in Clarion Township will be rehabilitated and upgraded as part of this project. Upon installation of the new system, Center Place will be completely restored, graded for effective storm water drainage to its inlets, and re-paved.	\$1,400,000	High	Construction to begin early in 2019.
16-05-03	Clarion Borough Council	Storm Water Management	Deteriorated inlets/piping along Greenville Avenue, causing backups during severe rain events. This project would replace deteriorated 18-24-inch corrugated metal storm sewer piping (CMP) along both sides of Greenville Avenue from Payne Street to Corbett Street, approximately 1,000 feet. The replacement piping would be 18-24-inch HDPE storm sewer piping (smooth bore). Approximately nine concrete inlets and tops would also be replaced. Project restoration would require road base re-installation and top-coat asphalt paving, replacement concrete curbing, and re-installation of affected sidewalks.	\$1,000,000	High	Working on funding with SW Authority

16-05-04	Clarion Borough Council	Storm Water Management	Collapsed metal piping and deteriorated inlets are a recurring event in Clarion Borough due to the age of the infrastructure. These malfunctions cause localized flooding and road damage. Typically, the repairs involve 150 feet or less of replacement piping and an inlet or two. Concrete curbing, sidewalks and pavement restoration are often needed for these projects.	\$100,000 Annually	High	15% Complete Working on additional funding
16-05-05	Clarion Borough Council	Storm Water Management	Storm flooding around the Borough. Storm Sewer System Study and Evaluation Project, completion of this project would give the Borough a solid, accurate, base of information from which to plan and prioritize future storm sewer system projects. The important data to be gathered includes: exact location, size (bore), and depth of all storm sewer piping, the material from which it is made (metal, plastic, concrete, etc.), and its current physical condition. The location, material, and condition of all inlets would also be determined. Real-time functioning data of the system would be gathered to help answer capacity and possible improvement questions.	\$750,000	High	Working on funding with SW Authority
16-05-06	Clarion Borough Council	Storm Water Management	Storm water overflow from the inlet structure on North 5 th Avenue above the Clarion River bridge has heavily damaged the gabion basket erosion control system installed on the bank above Fireman's Road and Firemans Road itself. This project would stabilize/repair the eroded bank and replace the damaged gabion baskets or install an entirely new system of erosion control plus repair the damaged portions of Fireman's Road.	\$300,000	High	Working on funding with SW Authority
16-05-07	Clarion Borough Council	Storm Water Management	Excessive water runoff and related erosion in the wooded, steep slope area between North 5 th Avenue/Fireman's Road/Clarion River and US 322/First Avenue is overloading the inlet structure on North 5 th Avenue (see 16-05-06). This project would determine the source of excessive runoff and/or uncontrolled runoff and construct a conveyance system which would effectively convey this water to the Clarion River in a controlled manner.	\$2.5 Million	High	Working on funding with SW Authority
16-05-08	Clarion Borough Council	Storm Water Management	Trout Run is a major receiver of Clarion Borough's storm water drainage. The stream needs physical improvements to continue safely conveying this water. This project would provide bank and channel stabilization, removal of in-stream and other obstructions, and channel re-alignment as needed.	\$1.5 Million	High	Working on funding with SW Authority
16-06-01	Clarion Twp. Supervisors	Miscellaneous	Work with DEP to plug 2 Orphaned/Abandon wells within the Township	\$30,000	Low	No Funding
16-06-02	Clarion Twp. Supervisors	Miscellaneous	Replace Bridge on Route 66 over Brush Run	\$1.4 M	Med	No Funding
16-06-03	Clarion Twp. Supervisors	Storm Water Management	4 th Ave. flooding of roadways (and properties) exists during rainfall which washes a great deal of debris onto the streets. Install pipes and catch basins.	\$184,400	Low	No Funding

16-06-04	Clarion Twp. Supervisors	Storm Water Management	Boundary Street flooding this is a joint project with Clarion Borough to address the water running toward the Comet Food Warehouse. Obtain right of way, install pipes and catch basins.	\$127,571	Med	Funding secured
16-06-05	Clarion Twp. Supervisors	Storm Water Management	Flooding exists along Trout Run allowing water to enter the Dollar General and Comet Food. Install pipes and grade pavement.	\$50,190	Med	Funding secured
16-06-06	Clarion Twp. and Millcreek Twp. Supervisors	Bridge Replacement	Asbury Bridge this is a joint project with Millcreek Township to replace the temporary, "jump bridge" with a permanent structure	\$225,000	Med	Funding secured
16-06-07	Clarion Twp. and Millcreek Twp. Supervisors	Bridge Replacement	Replace Fleming Springs Road bridge this is a joint project with Millcreek Twp. Poor Water Conditions have caused the need for at least a temporary bridge to be installed at this location.	\$200,000	Low	Funding secured
16-06-08	Clarion Twp. Supervisors	Storm Water Management	Deer Run Road replacement of a culvert pipe/ possible hydraulic study needed	\$52,000	Low	No Funding
16-06-09	Clarion Twp. Supervisors	Storm Water Management	Staab Road due to poor water conditions, the wing walls have collapsed causing the road to sink. Insert pipe.	\$6,262	Low	No Funding
16-07-01	East Brady Boro. Council	Storm Water Management	Brady St. & Route 68 end wall of 48" culvert, located under a house on Kellys Way, is failing. Failure would lead to loss of the house and closure of Route 68. Route 68 closure will affect travel between Armstrong and Clarion Counties, also causing issues with emergency response. The proposed project will remove and replace the end wall and portions of the culvert.	\$1,486,200	Med	No Funding
16-07-02	East Brady Boro. Council	Storm Water Management	1 st , 2 nd and 3 rd Avenues have no drainage to river. Flooding and icing of this area including electrical transfer station and Borough recreation areas. The proposed project will install 11 inlets to capture runoff, improved road curb and ditches, up to 1,000 feet of pipe to control and direct the flow of stormwater and improvements to an existing stormwater detention pond.	\$284,500	Med	30% Complete
16-07-03	East Brady Boro. Council	Storm Water Management	3 rd through 6 th Streets has no infrastructure or unconstructed path to river. Results in flooding of Purdum St. and surrounding homes. The proposed project will install inlets and pipe and improve curbing to capture, control and convey stormwater to the river for disposal	\$370,000	Med	Completed
16-07-04	East Brady Boro. Council	Storm Water Management	1 st through 3 rd Streets has no infrastructure or unconstructed path to river. Results in flooding of various streets and surrounding homes. The proposed project will install inlets and pipes and improve curbing to capture, control and convey stormwater to the river.	\$610,000	Med	No Funding
16-07-05	East Brady Boro. Council	Storm Water Management	Streets surrounding Clarion Street have no infrastructure or unconstructed path to river. Results in flooding of various streets and surrounding homes. The proposed project will install inlets and pipe and improve curbing to capture, control and convey stormwater to the river.	\$333,000	Med	No Funding

16-07-06	East Brady Boro. Council	Storm Water Management	Ferry St. and Maple Terrace the stormwater from this area is not adequately controlled or captured. This results in washout of road shoulders and localized flooding and icing of roads. The proposed project will replace and install inlets and pipe, and improve curbing and swales to capture, control and convey stormwater to a nearby creek.	\$93,600	Med	Completed
16-07-07	East Brady Boro. Council	Storm Water Management	Wallce St. from 1 st to 2 nd the stormwater from this area is not adequately controlled or captured. This results in washout of road shoulders and localized flooding and icing of roads. The proposed project will install inlets and pipe, and improve curbing and swales to capture, control and convey stormwater to the Borough stormwater collection system.	\$61,200	Med	50% Completed
16-07-08	East Brady Boro. Council	Storm Water Management	An unnamed tributary to the Allegheny River is channeled in to a piped collection system at the south end of Brady Street. During heavy rains and snowmelt events the stream overflows the pipe entrance and causes localized flooding and significant damage to the road and shoulders. The proposed project will install a larger culvert at the piped system entrance and a trash rach to prevent rocks and other debris from entering the pipe. The unimproved road ditch line will be reconstructed and damaged pavement replaced.	\$70,100	Med	No Funding
16-07-09	East Brady Boro. Council	Miscellaneous	The Borough system is served by a single water storage tank located on the east side of town. Water mains on the west side of town are small diameter and do not have the flow or head capacity to provide fire protection to portions of the west side of town. The proposed project will install an interconnect between the east and west sides of the water distribution system improving the overall system hydraulics, water system quality, and fire protection capabilities to residents and businesses on the west side of the town.	\$260,000	High	No Funding
16-07-10	East Brady Boro. Council	Storm Water Management	Bridge Street from East 2 nd Avenue to McClaine St. the stormwater from this area is not adequately controlled or captured. This results in washout of road shoulders and localized flooding and icing of roads. The proposed project will replace and install inlets and pipe, and improve curbing and swales to capture, control and convey stormwater to the Borough stormwater collection system.	\$37,500	Med	50% Completed
16-07-11	East Brady Boro. Council	Storm Water Management	4 th and Purdum Street stormwater from this area is not adequately controlled or captured. This results in localized flooding of streets. Winter conditions result in ice buildup on the roadways causing unsafe conditions for pedestrians and vehicles. In addition, the sidewalk ramps are not ADA compliant and result in hazards for safe travel by those in wheelchairs and those with walking difficulties. The proposed project will install inlets and improve curbing to capture, control and convey stormwater to the Borough stormwater collection system. It will also install ADA compliance sidewalk ramps and improve sidewalk approaches at the intersection.	\$22,900	Med	No Funding

16-08-01	Elk Twp. Supervisors	Miscellaneous	Install Natural Gas Generator at EOC	\$10,000	Med	No Funding
16-08-02	Elk Twp. Supervisors	Land Acquisition / Relocation of Trailers	Land acquisition of entire Brownie Trailer Court property and relocation of trailers to another court not in flood plain. One death has already occurred due to a flood in 1996.	\$1,000,000	High	No Funding
16-08-03	Elk Twp. Supervisors	Acquisition	Acquisition of both structures (Tarp Shop & Shippen Inn). Both are business; however, Shippen Inn is also a residential structure.	\$600,000	Med	No Funding
16-08-04	Elk Twp. Supervisors	Miscellaneous	Work with DEP to plug 49 Orphaned/Abandon wells within the Township	\$1,000,000	Low	No Funding
16-09-01	Farmington Twp. Supervisors	Miscellaneous	Work with DEP to plug 16 Orphaned/Abandon wells within the Township	\$320,000	Low	Grant money was received to plug 7 wells. 2 wells completed in 2018 No funding for other wells yet
16-10-01	Foxburg Boro. Council	Demolition	North Palmer Ave. - House is condemned. Demolish house to prevent injuries and protect the community.	\$20,000	Low	Waiting for grant approval
16-10-02	Foxburg Boro. Council	Demolition	North Palmer Ave. - House is condemned. Demolish house to prevent injuries and protect the community.	\$20,000	Low	Waiting for grant approval
16-10-03	Foxburg Boro. Council	Miscellaneous	North Palmer Ave. roadway collapsing dead end road. Currently no access for emergency vehicles. Clear area, shore up with gabion basket and rebuild roadway.	\$78,000	Med	50% complete Waiting for grant approval to complete
16-10-04	Foxburg Boro. Council	Storm Water Management	Summit Ave. dead end roadway failing poor access for emergency vehicles. Repair and extend drainage pipes. Widen and rebuild road.	\$62,000	Med	25% complete Working on funding
16-10-05	Foxburg Boro. Council	Storm Water Management	S. Palmer and Main Street flooding in rain storm causing sink hole. Fix drains and sink hole.	\$5,000	Med	No Funding
16-10-06	Foxburg Boro. Council	Miscellaneous	No backup to water plant. Establish interconnectivity line with St. Petersburg Water	\$250,000	High	No Funding
16-10-07	Foxburg Boro. Council	Miscellaneous	Repair emergency siren system	\$1,000	High	10% complete Working on additional funding
16-11-01	Hawthorn Boro. Council	Storm Water Management	Flooding issues on Yost St. to Brookville St. and Center St. Maple St. during heavy rain. Install larger pipe and culverts	\$1,000,000	Low	Working on funding
16-11-02	Hawthorn Boro. Council	Storm Water Management	Flooding issues on Center St. to Brookville St. and 2 nd East St. to Maple St. during heavy rain. Install larger pipe and culverts	\$1,000,000	Low	Working on funding
16-11-03	Hawthorn Boro. Council	Storm Water Management	Flooding issues on Wiants Ln. to Brookville St. and Yost St. to Maple St. during heavy rain. Install larger pipe and culverts	\$1,000,000	Low	Working on funding

16-12-01	Highland Twp. Supervisors	Miscellaneous	Identifying residents within the Township that have special needs in case of emergency. Complete a survey of all Township residents to identify those with special needs in case of emergency.	\$400	High	Working on funding
16-12-02	Highland Twp. Supervisors	Storm Water Management	Double Sealcoat approximately 700ft of very steep Kinbahe Road that is now dirt and install drainage pipe. This road constantly washes out taking the road surface into Little Toby Creek resulting in constant expense to the Township.	\$12,000	Med	Working on funding
16-12-03	Highland Twp. Supervisors	Miscellaneous	Work with DEP to plug 4 Orphaned/Abandon wells within the Township	\$120,000	Low	Working on funding
16-12-04	Highland Twp. Supervisors	Storm Water Management	Flooding issues on Highland Drive during heavy rain. Install inlet pipe and boxes as well as 660' of drainage pipe	\$70,000	Low	Completed
16-12-05	Highland Twp. Supervisors	Storm Water Management	Flooding and erosion of McCleary Road Bridge. Replace hand cut stone causeway with arch style or pipe suitable for water flows. This a major artery and school bus route in the Township.	\$300,000	High	Working on funding
16-12-06	Highland Twp. Supervisors	Storm Water Management	Flooding issues on various township roads during heavy rain. Replace failing small pipes with larger pipes.	\$10,000	Low	Working on funding
16-13-01	Knox Boro. Council	Miscellaneous	Work with DEP to plug 1 Orphaned/Abandon well within the Borough	\$30,000	Low	Working on funding
16-13-02	Knox Boro. Council	Storm Water Management	Huston Ave storm drains are to small causing flooding during heavy rains impacting High and Elementary schools. Replace small pipes with larger pipes and add additional drains and pipes.	\$500,000	High	Working on funding
16-13-03	Knox Boro. Council	Miscellaneous	Retaining wall on Route 208 is structurally unsound. Could fail and fall on roadway and houses. Grade hill and replace wall.	\$2,000,000	High	Working on funding
16-14-01	Knox Twp. Supervisors	Storm Water Management	Hearst Road - flood waters scour around bridge when debris collects on bridge at Washington Road. Clean upstream channel	\$27,000	Low	No Funding
16-14-02	Knox Twp. Supervisors	Storm Water Management	Fairview Drive - roadway collects sheet flow that channels downhill flooding areas at base of hill. Install cross drains, clear exit ditches, re-crown road and re-grade ditch line	\$174,000	Low	No Funding
16-14-03	Knox Twp. Supervisors	Miscellaneous	Work with DEP to plug 6 Orphaned/Abandon wells within the Township	\$180,000	Low	No Funding
16-15-01	Licking Twp. Supervisors	Bridge replacement	Route 58 bridge replacement over the Clarion River.	\$5.1 M	High	Completed
16-15-02	Licking Twp. Supervisors	Bridge replacement	Route 58 bridge replacement over McMichael Run	\$1 M	High	Scheduled 2019
16-15-03	Licking Twp. Supervisors	Bridge Project	Replace Bridge on Route 58 over Hodil Run	\$1 M	High	No Funding
16-15-04	Licking Twp. Supervisors	Storm Water Management	Mt. Zion Road flooding due to culvert pipes that are too small. Replace with larger pipes.	\$5,000	Low	Completed
16-15-05	Licking Twp. Supervisors	Storm Water Management	Pine Hollow Road flooding due to culvert pipes that are too small. Replace with larger pipes.	\$5,000	Low	No funding

16-15-06	Licking Twp. Supervisors	Storm Water Management	Pryor Road floods (in floodplain) needs built up extensively to prevent flooding	\$50,000	Med	No funding
16-15-07	Licking Twp. Supervisors	Storm Water Management	Whitmore Road has water oozing from middle of road. Install underdrains.	\$5,000	Low	No funding
16-15-08	Licking Twp. Supervisors	Storm Water Management	Pine Hollow Road flooding due to culvert pipe erosion. Repair outflow.	\$5,000	Low	No funding
16-15-09	Licking Twp. Supervisors	Storm Water Management	Shirey Road flooding due to culvert pipe erosion. Repair outflow.	\$5,000	Low	No funding
16-15-10	Licking Twp. Supervisors	Storm Water Management	Larkin Road hill is too steep and erodes roadway during heavy rain. Fix hill and surface road.	\$15,000	Low	No funding
16-15-11	Licking Twp. Supervisors	Miscellaneous	Sterner Road intersection with Gibson. Steep incline up to stop sign need to build up road and resurface	\$25,000	Low	25% complete Working on funding
16-16-01	Limestone Twp. Supervisors	Acquisition or Elevation	Village of Kingsville - repetitive flooding Acquisition or elevation of structure	\$100,000 - \$250,000	High	Working on funding
16-16-02	Limestone Twp. Supervisors	Retrofitting	Village of Kingsville - repetitive flooded (basements) purchase sumps for structures	\$500	Low	Working on funding
16-16-03	Limestone Twp. Supervisors	Retrofitting	Houses in water shed - Repetitive flooded (basements) purchase sumps for structures	\$2,000	Low	Working on funding
16-16-04	Limestone Twp. Supervisors	Road Project	Thompson Road - flooding due to undersized pipe Replace existing under drain with 36" pipe and raise the road surface 24"	\$10,000	Low	80% Completed
16-16-05	Limestone Twp. Supervisors	Road Project	Curtinbottom Road - flooding due to undersized pipe Replace existing under drain with 2-4' pipes and raise the road surface 24" for 100' on each side of the pipes	\$10,000	Low	80% Completed
16-16-06	Limestone Twp. Supervisors	Bridge Project	Curl Road - bridge damaged by flooding Replace bridge	\$1,500,000	Med	Working on funding
16-16-07	Limestone Twp. Supervisors	Road Project	Deer Hollow Road - flooding due to undersized pipes Remove current under drain pipes and replace with an Arch pipe or a box culvert	\$500,000	Med	Working on funding
16-16-08	Limestone Twp. Supervisors	Road Project	Spring Road - flooding due to undersized pipe Replace existing under drain with 6' pipe and raise the road surface 36"	\$14,000	Low	70% Completed
16-16-09	Limestone Twp. Supervisors	Road Project	Lenwood Road - flooding due to undersized pipe Replace existing under drain with larger pipe and raise the road surface 36"	\$14,000	Low	80% Completed
16-16-10	Limestone Twp. Supervisors	Miscellaneous	No backup power for emergency shelter in the Township. Install emergency generator at shelter including building.	\$32,000	High	Working on funding
6-16-11	Limestone Twp. Supervisors	Miscellaneous	Work with DEP to plug 15 Orphaned/Abandon wells within the Township	\$500,000	Low	Working on funding

16-16-12	Limestone Twp. Supervisors	Miscellaneous	Bridge removal Forest Drive	\$1 - \$2.5 M	High	Completed
16-16-13	Limestone Twp. Supervisors	Acquisition or Elevation	Repetitive lose structure, acquisition or elevation of structure	\$50,000 - \$ 250,000	High	Working on funding
16-17-01	Madison Twp. Supervisors	Storm Water Management	Buildup of debris in Wildcat Creek. Clear debris, remove vegetation and dredge at outflow into Redbank Creek in Lawsonham.	unknown	Low	No Funding
16-17-02	Madison Twp. Supervisors	Storm Water Management	Clear debris along Friar Point Road tributary stream. Debris buildup causes flooding of a home located nearby.	\$2,500	High	No Funding
16-17-03	Madison Twp. Supervisors	Miscellaneous	Work with DEP to plug 3 Orphaned/Abandon wells within the Township	\$60,000	Low	No Funding
16-17-04	Madison Twp. Supervisors	Miscellaneous	Bridge replacement Sarah Furnace Road over Catfish Run	\$1 - \$2.5 M	High	No Funding
16-17-05	Madison Twp. Supervisors	Bridge Project	Bridge on Wildcat School Road is failing. Repair bridge.	\$50,000	Med	No Funding
16-17-06	Madison Twp. Supervisors	Storm Water Management	Storm pipes collapsing on Rider Road. Replace pipes.	\$600	Low	No Funding
16-17-07	Madison Twp. Supervisors	Storm Water Management	Flooding on Traister Road. Install large drain pipes at 2 locations.	\$9,000	Low	No Funding
16-17-08	Madison Twp. Supervisors	Storm Water Management	Storm pipes collapsing on Sarah Furnace Road. Replace pipes.	\$5,000	Low	No Funding
16-17-09	Madison Twp. Supervisors	Bridge Project	Kissinger Mills Bridge failing. Replace bridge.	\$906,000	Med	Completed
16-18-01	Millcreek Twp. Supervisors	Miscellaneous	Work with DEP to plug 4 Orphaned/Abandon wells within the Township	\$120,000	Low	Working on funding
16-18-02	Millcreek Twp. and Clarion Twp. Supervisors	Bridge Project	Asbury bridge failed on Asbury Rd., replace bridge.	\$225,000	Med	Project to start spring 2019
16-18-03	Millcreek Twp. and Clarion Twp.	Bridge Project	Winklink bridge failed at Old State and Fleming Spring Roads, replace bridge.	\$200,000	Low	Working on funding
16-19-01	Monroe Twp. Supervisors	Storm Water Management	Penny Road - culverts are too small and become obstructed with debris easily, this cause flooding and road damage. Replace two small culverts with one arched culvert.	\$50,000	Med	Applied for grant
16-19-02	Monroe Twp. Supervisors	Bridge, drainage and road project	Replace bridge, upgrade drainage, intersection improvements and widen road on Route 68	\$10-\$12.5 M	Med	Working on funding
16-19-03	Monroe Twp. Supervisors	Miscellaneous	Work with DEP to plug 6 Orphaned/Abandon wells within the Township	\$180,000	Low	Working on funding
16-19-04	Monroe Twp. Supervisors	Miscellaneous	Reidsburg Bridge Curve replace 1 bridge, remove 1 bridge, repair 1 bridge	\$2.5 - \$5 M	High	Working on funding

16-19-05	Monroe Twp. Supervisors	Miscellaneous	Bridge replacement on Curllsville Road over Licking Creek	\$1 - \$2.5 M	High	Working on funding
16-19-06	Monroe Twp. Supervisors	Acquisition or Elevation	Flood plain structures, acquisition or elevation of structures	\$1,500,000-\$3,200,000	High	Working on funding
16-19-07	Monroe Twp. Supervisors	Storm Water Management	Craggs Run under Pennsy Road roadway & property floods during heavy rainfall; washing debris into pipes & onto property. Remove two small pipes, install long box culvert with headwalls & corner wing walls, backfill & raise roadway, clean banks & debris, seed & mulch stream banks	\$125,500	Med	Working on funding
16-19-08	Monroe Twp. Supervisors	Storm Water Management	Reids Run under Curll Road water goes over pipe & floods roadway during heavy rainfall & debris goes into pipe. Excavate & remove old small cement pipe, install larger plastic pipe, install headwalls & endwalls, clean stream banks of debris, seed & mulch	\$15,000	Low	Completed
16-19-09	Monroe Twp. Supervisors	Storm Water Management	Unknown tributary under Moggey Road roadway & property floods during heavy rainfall & washes out around pipe Excavate & remove small pipe, install larger pipe & backfill, install headwalls & endwalls, clean stream banks, seed, & mulch	\$15,000	Low	Working on funding
16-19-10	Monroe Twp. Supervisors	Bridge	Replace Bridge on Route 68 over Craggs Run	\$1- 2.5 M	Low	Completed
16-20-01	New Bethlehem Boro. Council	Storm Water Management	Replace deteriorating small storm drains on Wood and Penn Streets with larger drains.	\$50,000	Low	Working on funding
16-20-02	New Bethlehem Boro. Council	Miscellaneous	Repair retaining wall along Wood street. Retaining wall is failing. Work in conjunction with PENNDOT on this project.	\$500,000 to \$1,000,000	Med	Working on funding
16-20-03	New Bethlehem Boro. Council	Miscellaneous	No backup power for emergency shelter in the Borough. Install emergency generator at shelter including building.	\$32,000	High	Working on funding
16-20-04	New Bethlehem Boro. Council	Miscellaneous	Work with DEP to plug 2 Orphaned/Abandon wells within the Borough	\$60,000	Low	Working on funding
16-20-05	New Bethlehem Boro. Council	Acquisition or Elevation	Repetitive lose structures, acquisition or elevation of structures	\$1,500,000 - \$3,400,000	High	Working on funding
16-20-06	New Bethlehem Boro. Council	Demolition	Two structures on Broad Street are vacant and deteriorating. Purchase properties and demolish.	\$70,000	Low	Working on funding
16-20-07	New Bethlehem Boro. Council	Miscellaneous	Fire siren is old and failing also used for emergency notifications. Replace and relocate siren for better coverage.	\$25,000	Low	Working on funding
16-20-08	New Bethlehem Boro. Council	Miscellaneous	Identifying residents within the Borough that have special needs in case of emergency. Complete a survey of all Borough residents to identify those with special needs in case of emergency.	\$1,000	High	20% complete Working on funding
16-20-09	New Bethlehem Boro. Council	Miscellaneous	Tree debris in Redbank Creek at various locations that may lead to additional flooding and stress on dam. Clear debris from Redbank Creek at locations	\$5,000	Low	Working on funding

16-20-10	New Bethlehem Boro. Council	Miscellaneous	Debris buildup in Leasure Run and Redbank Creek is directing water to the side of Penn Street Bridge, this is deteriorating the bridge. This bridge is the only access to the Smucker Plant. Remove debris from both waterways.	\$10,000	High	Working on funding
16-21-01	Paint Twp. Supervisors	Bridge / Miscellaneous	Doe Run Bridge - bridge catches debris scours at wing walls. Clean channel up and down stream, repair scour holes, regrade and stabilize tail ditches to bridge.	\$35,000	Low	Working on funding
16-21-02	Paint Twp. Supervisors	Bridge / Miscellaneous	Hearst Road - bridge catches debris, backs up water on road. Install new bridge with greater clear span opening.	\$35,000	Low	Working on funding
16-21-03	Paint Twp. Supervisors	Storm Water Management	Poor drainage leading to sheet flow and erosion damage to roads. Replace undersized and damaged culvert pipes, add new locations where needed, reshape and stabilize ditches throughout the township.	\$200,000	Low	Working on funding
16-21-04	Paint Twp. Supervisors	Storm Water Management	Marianne Estates - flooding during heavy rains. Install adequate drainage to Marianne Estates in form of storm water system.	\$2,500,000	Med	Working on funding
16-21-05	Paint Twp. Supervisors	Miscellaneous	Work with DEP to plug 3 Orphaned/Abandon wells within the Township	\$120,000	Low	Working on funding
16-21-06	Paint Twp. Supervisors	Storm Water Management	Amsler Road flooding from undersized and lack of culverts. Obtain right of way and install culverts.	\$176,000	Low	Working on funding
16-21-07	Paint Twp. Supervisors	Storm Water Management	Kiser-Wagner Road bridge catches debris scours at wing walls. Install new bridge with greater clear span opening.	\$700,000	Med	Working on funding
16-22-01	Perry Twp. Supervisors	Storm Water Management	Flooding of Stevens Road. Elevate Road above Stream Grade.	\$100,000	Low	75% Complete Working on funding
16-22-02	Perry Twp. Supervisors	Miscellaneous	Work with DEP to plug 4 Orphaned/Abandon wells within the Township	\$90,000	Low	No funding
16-22-03	Perry Twp. Supervisors	Acquisition or Elevation	Repetitive lose structure, acquisition or elevation of structure	\$50,000 - \$ 500,000	High	No funding
16-22-04	Perry Twp. Supervisors	Storm Water Management	Flooding on Foust Road. Install large drain pipes.	\$1,200	Low	No funding
16-22-05	Perry Twp. Supervisors	Storm Water Management	Flooding on Pickard Valley Road. Install large drain pipes cut bleeders.	\$2,500	Low	No funding
16-22-06	Perry Twp. Supervisors	Storm Water Management	Flooding on Bartow Road. Install large drain pipes.	\$3,000	Low	No funding
16-22-07	Perry Twp. Supervisors	Storm Water Management	Flooding on Sportman Road. Install more drain pipes.	\$2,500	Low	No funding
16-22-08	Perry Twp. Supervisors	Storm Water Management	Flooding on Monterey Road. Install more drain pipes.	\$3,500	Low	No funding
16-22-09	Perry Twp. Supervisors	Storm Water Management	Flooding on Pollack Lane. Install more drain pipes.	\$2,500	Low	No funding

16-23-01	Piney Twp. Supervisors	Storm Water Management	Flooding of Campbell Road caused by debris in Little Licking Creek between Campbell Road and Logue Road Clean creek channel from Campbell Road to Logue Road	\$30,000	Low	No funding
16-23-02	Piney Twp. Supervisors	Miscellaneous	Install backup generator at the Township EOC.	\$10,000	Med	No funding
16-23-03	Piney Twp. Supervisors	Miscellaneous	Work with DEP to plug 2 Orphaned/Abandon wells within the Township	\$60,000	Low	No funding
16-23-04	Piney Twp. Supervisors	Storm Water Management	Campbell Road flooding issues culvert pipe failing. Replace culvert pipe with larger pipe.	\$12,500	Low	No funding
16-23-05	Piney Twp. Supervisors	Miscellaneous	Anti-skid/salt building to small and crumbling. Replace with larger building.	\$70,000	Low	Completed
16-23-06	Piney Twp. Supervisors	Miscellaneous	On site systems are too small. Extend sewage line to nursing facilities.	\$150,000	Med	25% completed Rest to be completed 2019
16-23-07	Piney Twp. Supervisors	Miscellaneous	Building are condemned. Purchase and demolish structures to prevent injuries and protect the community.	\$50,000	Low	No funding
16-23-08	Piney Twp. Supervisors	Miscellaneous	Lack of notification capabilities. Establish means of reaching residents, i.e. website, text message/call chains, other means of communications. Newsletter/mailings	\$1,500	Low	No funding
16-23-09	Piney Twp. Supervisors	Storm Water Management	Laurel Road flooding. Replace undersized with larger pipes.	\$75,000	Low	No funding
16-24-01	Porter Twp. Supervisors	Miscellaneous	No backup power for Township Building which is used for EOC. Install a generator to provide backup power.	\$4,000	High	No funding
16-24-02	Porter Twp. Supervisors	Road Project	Stewart Road - flooding caused by excessive water runoff over flowing current drains. Replace current piping with either larger or more pipes.	\$5,000	Low	No funding
16-24-03	Porter Twp. Supervisors	Miscellaneous	Work with DEP to plug 12 Orphaned/Abandon wells within the Township	\$360,000	Low	No funding
16-24-04	Porter Twp. Supervisors	Miscellaneous	Replace bridge on Route 861 over Leatherwood Creek	\$1.5-\$2.5 M	High	No funding
16-24-05	Porter Twp. Supervisors	Miscellaneous	Replace bridge on Olean Trail over Jack Run	\$1 M	High	Completed
16-24-06	Porter Twp. Supervisors	Miscellaneous	Replace bridge on Reidsburg Road over Jack Run	\$1 M	High	No funding
16-25-01	Redbank Twp. Supervisors	Storm Water Management	Piney Creek - flooding during heavy rains Clear vegetation from approximately 3 miles of Pine Creek	\$100,000	Low	No Funding
16-25-02	Redbank Twp. Supervisors	Bridge Project	Replace bridge over Piney Creek on Shannondale Road	Unknown	Low	No Funding

16-25-03	Redbank Twp. Supervisors	Miscellaneous	Abandoned deep mine water run-off into small streams. Reclamation of abandoned mine to include removal of underground storage tank, removal/disposal of mine structure, piping of direct water runoff to alkaline area then into small streams and seal 2 mine entries.	\$300,000 - \$500,000	Med	No Funding
16-25-04	Redbank Twp. Supervisors	Miscellaneous	Work with DEP to plug 12 Orphaned/Abandon wells within the Township	\$540,000	Low	No Funding
16-26-01	Richland Twp. Supervisors	Miscellaneous	Work with DEP to plug 20 Orphaned/Abandon wells within the Township	\$700,000	Low	No Funding
16-26-02	Richland Twp. Supervisors	Storm Water Management	Smokey Road floods from heavy rain. Replace small drainage pipes with larger pipes.	\$35,000	Low	50% Completed
16-26-03	Richland Twp. Supervisors	Miscellaneous	Identifying residents within the Township that have special needs in case of emergency. Complete a survey of all Township residents to identify those with special needs in case of emergency.	\$500	High	Ongoing
16-26-04	Richland Twp. Supervisors	Storm Water Management	Roads flood from heavy rain. Replace small drainage pipes with larger pipes.	\$40,000	Low	50% Completed
16-26-05	Richland Twp. Supervisors	Storm Water Management	Heeter Road floods from heavy rain. Replace small drainage pipes with larger pipes.	\$50,000	Low	50% Completed
16-26-06	Richland Twp. Supervisors	Bridge	Master Road Bridge failure over Interstate 80. Replace bridge	\$3.4 million	Med	Completed
16-27-01	Rimersburg Boro. Council	Miscellaneous	Install backup generator (50KW) at the water pump station along Route 68 near East Brady Borough. The water plant provides water for 4 municipalities.	\$50,000	High	Research Working on funding
16-27-02	Rimersburg Boro. Council	Miscellaneous	Waste water plant and infrastructure at end of life. Upgrade and replacement of plant and infrastructure.	\$6 Million	High	Working on funding
16-28-01	Salem Twp. Supervisors	Miscellaneous	Work with DEP to plug 10 Orphaned/Abandon wells within the Township	\$300,000	Low	Working on funding
16-28-02	Salem Twp. Supervisors	Miscellaneous	Identifying residents within the Township that have special needs in case of emergency. Complete a survey of all Township residents to identify those with special needs in case of emergency.	\$500	High	Ongoing
16-28-03	Salem Twp. Supervisors	Miscellaneous	Install backup generator at the Township EOC.	\$35,000	Low	Working on funding
16-28-04	Salem Twp. Supervisors	Storm Water Management	Roads flood from heavy rain. Replace small drainage pipes with larger pipes.	\$60,000	Low	Working on funding
16-28-05	Salem Twp. Supervisors	Storm Water Management	Lakeview Road flood from heavy rain. Replace small drainage pipes with larger pipes	\$20,000	Low	Working on funding
16-29-01	Shipperville Boro. Council	Storm Water Management	2 nd Street washes out in heavy rain. Replace small drainage pipes with large pipes.	\$10,000	Low	No Funding
16-29-02	Shipperville Boro. Council	Storm Water Management	South School Street washes out in heavy rain. Replace small drainage pipes with large pipes.	\$10,000	Low	No Funding

16-29-03	Shippenville Boro Council	Storm Water Management	Upgrade and repair exiting storm water facilities and pipes in various locations in the Borough. Locations currently prone to flooding during heavy rain events. The project would also map and inventory the assets to identify additional areas that contribute to hazardous conditions.	1 million	High	No Funding
16-29-04	Shippenville Boro Council	Miscellaneous	Vegetation control would identify and evaluate hazardous trees within the Borough limits, remove or trim trees within right of ways to correct the hazard. Possible extension of the project would be to work with private owners to correct hazards to private structures.	\$90,00	High	No Funding
16-30-01	Sligo Boro. Council	Storm Water Management	Licking Creek - exceeding banks during heavy rains Remove debris and dredge Licking & Little Licking Creeks	Unknown	High	Clear what we can. Working on funding
16-31-01	St. Petersburg Boro. Council	Water Plant	Upgrade current water treatment plant to add two filter systems as per DEP requirements.	\$2,000,000	High	Completion in 2019
16-31-02	St. Petersburg Boro. Council	Miscellaneous	Work with DEP to close open deep mine shafts	Unknown	High	Working with DEP
16-31-03	St. Petersburg Boro. Council	Miscellaneous	Work with DEP to plug 2 Orphaned/Abandon wells within the Borough	\$60,000	Low	Working with DEP
16-32-01	Strattanville Boro. Council	Miscellaneous	No backup power for emergency shelter in the Borough. Install emergency generator at shelter.	\$10,000	High	No Funding
16-32-02	Strattanville Boro. Council	Miscellaneous	Sludge buildup at sewage plant. Remove sludge in compliance with DEP regulations.	\$70,000	High	Completed
16-32-03	Strattanville Boro. Council	Storm Water Management	Water runoff from rain storms is causing ponding on 1 st Street. Place storm drains and piping to drain water.	\$15,000	Low	No Funding
16-32-04	Strattanville Boro. Council	Storm Water Management	Water runoff from rain storms is causing ponding on North Pine Street. Place storm drains and piping to drain water.	\$27,000	Low	No Funding
16-32-05	Strattanville Boro. Council	Storm Water Management	Water runoff from rain storms is causing ponding on South Pine Street. Place storm drains and piping to drain water.	\$28,600	Low	No Funding
16-33-01	Toby Twp. Supervisors	Miscellaneous	Work with DEP to plug 4 Orphaned/Abandon wells within the Township	\$120,000	Low	Working on funding
16-33-02	Toby Twp. Supervisors	Storm Water Management	Roads flood from heavy rain. Replace small drainage pipes with larger pipes.	\$10,000	Low	No Funding
16-33-03	Toby Twp. Supervisors	Bridge Project	Deck and wing walls failing on Henry Road bridge. Replace bridge.	\$50,000	Med	No Funding
16-34-01	Washington Twp. Supervisors	Bridge Project	Dempsytown Road - Bridge to small, road and bridge floods, enlarge bridge	\$715,000	Low	No Funding
16-34-02	Washington Twp. Supervisor.	Bridge Project	Eisenman Road - 2 Bridges are too small, roads and bridges flood, Enlarge both bridges	\$260,000 each	Low	No Funding
16-34-03	Washington Twp. Supervisors	Miscellaneous	Work with DEP to plug 9 Orphaned/Abandon wells within the Township	\$270,000	Low	No Funding
16-34-04	Washington Twp. Supervisors	Bridge Project	Gowdy Bridge - bridge to small, road and bridge floods, enlarge bridge	\$460,000	Low	No Funding

16-34-05	Washington Twp. Supervisors	Storm Water Management	Licking Rd. lack of cross culverts causes road washouts. Install 9 additional culverts.	\$54,000	Low	No Funding
16-34-06	Washington Twp. Supervisors	Storm Water Management	Dempsytown Road – roads floods during heavy rain, washes out ditches and floods basements. Install storm water system, replace undersized pipes and create sediment traps.	\$415,000	Med	No Funding