

**AGENDA**  
**EAST GOSHEN TOWNSHIP**  
**BOARD OF SUPERVISORS**  
Tuesday, March 20, 2018  
7:00 PM

6:00 PM Executive Session – Legal Matter and Real Estate Matter

1. Call to Order
2. Pledge of Allegiance
3. Moment of Silence – Supervisor Carmen Battavio
4. Ask if anyone is recording the meeting
5. Chairman's Report
  - a. The Board met in executive session prior to tonight's meeting to discuss a legal matter and real estate matter.
  - b. There are two weeks remaining in the Friends of East Goshen Buy a Brick program. It will end on Saturday, March 31<sup>st</sup> after the Egg Hunt. Tax-deductible \$100 bricks can be purchased online at <https://polarengraving.com/FriendsofEastGoshenInc> or in-person at the Township Building.
6. Public Hearing - none
7. Emergency Services Reports
  - WEGO – Chief Brenda Bernot
  - Goshen Fire Co – none
  - Malvern Fire Co – February
  - Good Fellowship – February
  - Fire Marshal – Report on Hazardous Material Awareness
8. Financial Report - February
9. Old Business
10. New Business
  - a. Presentation on Citizens' Risk Assessment
  - b. Consider recommendation on Natural Lands Pond Study
  - c. Consider recommendation on Paoli Pike Trail Segment B Grants
  - d. Consider recommendation on Community Day Activities
  - e. Consider recommendation on Wash Bay
  - f. Consider recommendation for Mower Replacement
  - g. Consider recommendation for Roller Replacement
  - h. Consider recommendation for King Road and Sproul/North Chester Road Intersection
  - i. Consider recommendation for Updated Agreement with the Goshen Fire Company
  - j. Consider recommendation for Stormwater Agreement for 38 Meadow Creek Lane
11. Any Other Matter
12. Approval of Minutes
  - a. March 6, 2018
13. Treasurer's Report – March 15, 2018
14. Liaison Reports -none
15. Correspondence, Reports of Interest

a. March 2, 2018 – Notification of Township’s intention to apply for an NPDES Permit for the Paoli Pike Trail.

16. Public Comment

17. Adjournment

Meetings & Dates of Importance

Mar 30, 2018	Township Office Closed	-----
Mar 31, 2018	Egg Hunt	10:00am
Apr 03, 2018	Board of Supervisors	07:00pm
Apr 04, 2018	Planning Commission	07:00pm
Apr 05, 2018	Parks and Recreation Commission	07:00pm
Apr 09, 2018	Municipal Authority	07:00pm
Apr 10, 2018	Board of Supervisors	07:00pm
Apr 11, 2018	Conservancy Board	07:00pm
Apr 12, 2018	Historical Commission	07:00pm
Apr 14, 2018	Washington D.C. Trip	-----
Apr 16, 2018	Futurist Committee	07:00pm
Apr 17, 2018	Board of Supervisors	07:00pm
Apr 21, 2018	Keep East Goshen Beautiful Day	08:00am
Apr 25, 2018	Zoning Hearing Board	07:00pm

Newsletter Deadlines for Summer of 2018: May 1st

The Chairperson, in his or her sole discretion, shall have the authority to rearrange the agenda accommodate the needs of other board members, the public or an applicant.

**Public Comment** – Pursuant to Section 710.1 of the Sunshine Act the Township is required to include an opportunity for public comment agenda which is intended to allow residents and/or taxpayers to comment on matters of concern, official action or deliberation which are or may be before the Board of Supervisors. Matters of concern which merit additional research will be placed on the agenda for the next meeting.

**Constant Contact** - Want more information about the latest news in the Township and surrounding area? East Goshen Township and Chester County offer two valuable resources to stay informed about important local issues. East Goshen communicates information by email about all Township news through Constant Contact. To sign up, go to [www.eastgoshen.org](http://www.eastgoshen.org), and click the “E-notification & Emergency Alert” button on the left side of the homepage. Chester County offers an emergency notification system called ReadyChesco, which notifies residents about public safety emergencies in the area via text, email and cell phone call. Signing up is a great way to keep you and your loved ones safe when disaster strikes. Visit [www.readychesco.org](http://www.readychesco.org) to sign up today!

**Smart 911** - Smart911 is a new service in Chester County that allows you to create a Safety Profile at [www.smart911.com](http://www.smart911.com) that includes details you want the 9-1-1 center and public safety

response teams to know about your household in an emergency. When you dial 9-1-1, from a phone associated with your Safety Profile that information automatically displays to the 9-1-1 call taker allowing them to send responders based on up-to-date location and emergency information. With your Safety Profile, responders can arrive aware of many details they would not otherwise know. Fire crews can arrive knowing exactly how many people live in your home and where the bedrooms are located. EMS personnel can know family members' allergies or specific medical conditions. And police can access a photo of a missing family member in seconds rather than minutes or hours, helping the search start faster.

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## **Malvern Fire Company**

424 East King Street  
Malvern, PA 19355

Main 610-647-0693

Fax 610-647-0249

[www.malvernfireco.com](http://www.malvernfireco.com)

### **East Goshen Township 2018 EMS Statistics**

#### **January:**

42 Calls; 3 BLS (3 Transports); 39 ALS (29 Transports)

#### **February:**

32 Calls; 2 BLS (1 Transport); 30 ALS (28 Transports)

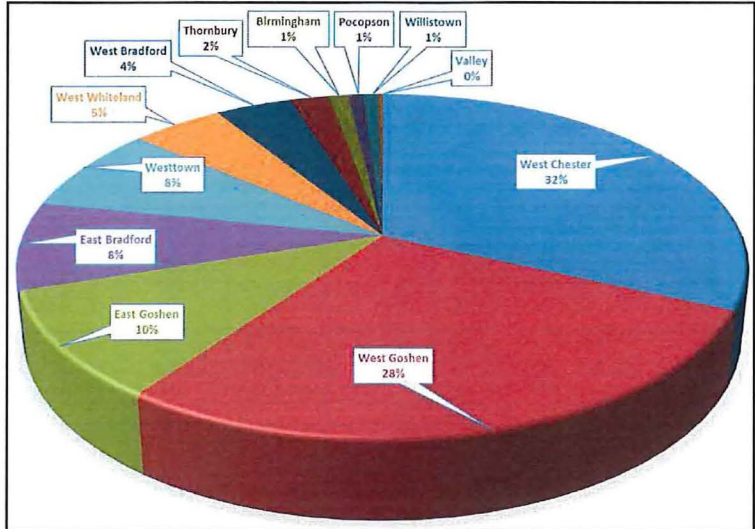




## **February 2018 Operations Report**

## Call Volume

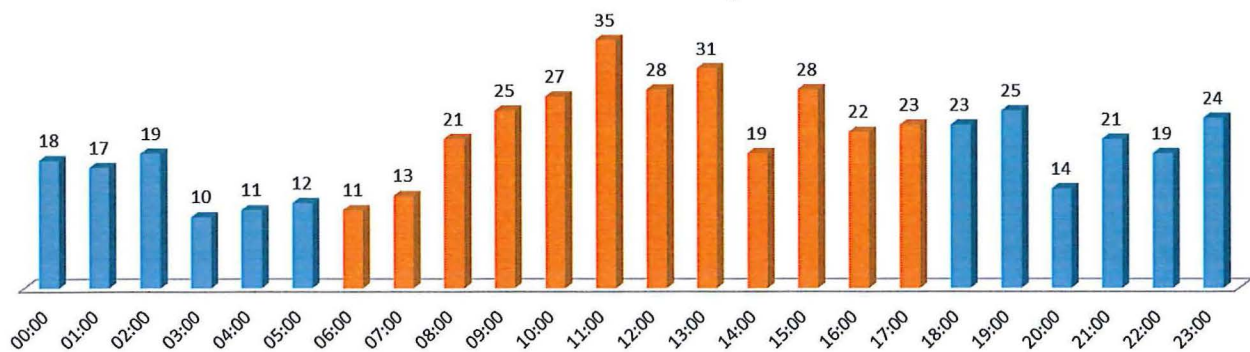
Municipality	Count	% Of Calls
West Chester	158	31.9%
West Goshen	139	28.0%
East Goshen	50	10.1%
East Bradford	41	8.3%
Westtown	40	8.1%
West Whiteland	24	4.8%
West Bradford	20	4.0%
Thornbury	10	2.0%
Birmingham	5	1.0%
Pocopson	4	0.8%
Willistown	4	0.8%
Valley	1	0.2%
	<b>496</b>	



### Non-Transport Breakdown

Refusal	40
Recalled Enroute	21
Recalled On Scene	27
No Services	35
Lift Assist	16
DOA	3
	<b>142</b>

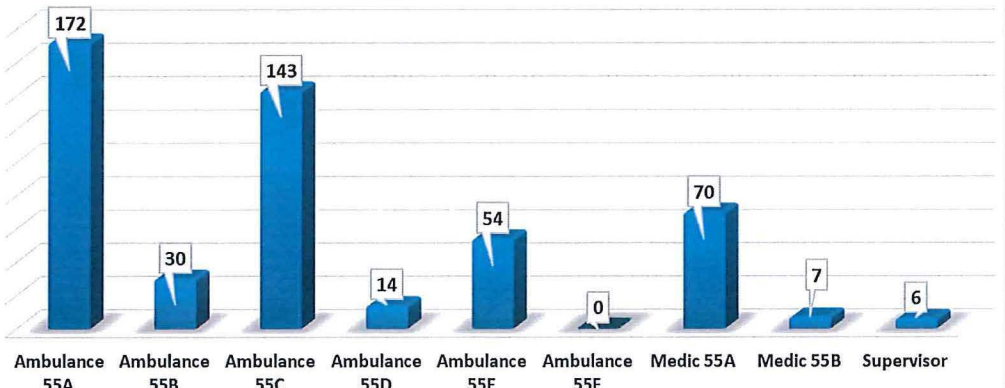
### Total Call Volume By Hour



### Vehicle Utilization

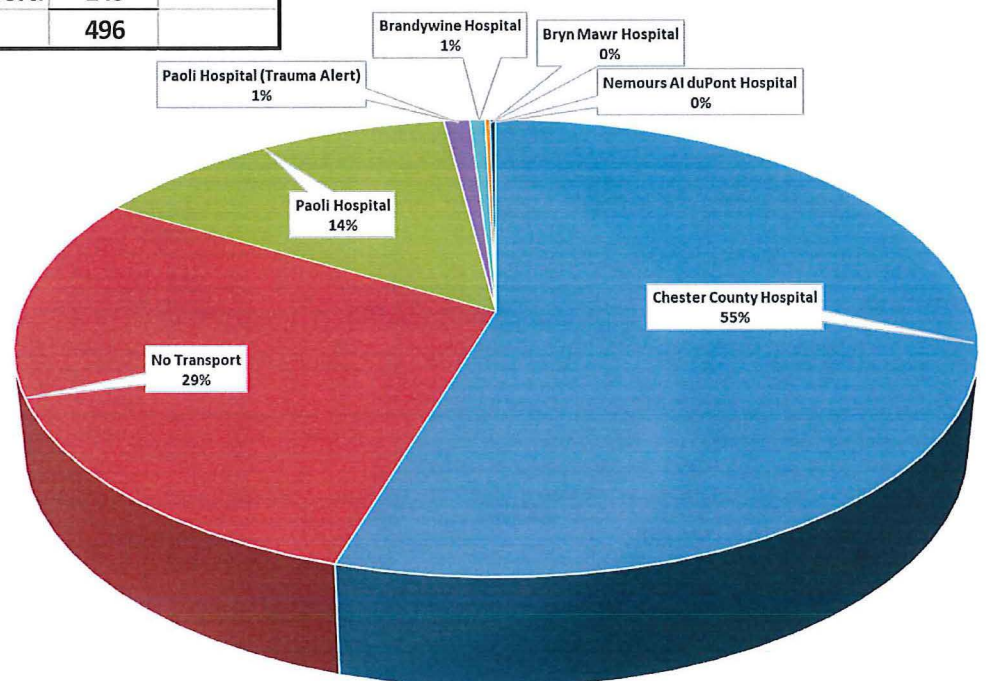
Ambulance 55A	172
Ambulance 55B	30
Ambulance 55C	143
Ambulance 55D	14
Ambulance 55E	54
Ambulance 55F	0
Medic 55A	70
Medic 55B	7
Supervisor	6
<b>Total</b>	<b>496</b>

### Call Volume by Vehicle



## Hospital Destination Information

Disposition	Total	%
Chester County Hospital	271	54.6%
No Transport	143	28.8%
Paoli Hospital	72	14.5%
Paoli Hospital (Trauma Alert)	5	1.0%
Brandywine Hospital	3	0.6%
Bryn Mawr Hospital	1	0.2%
Nemours Al duPont Hospital	1	0.2%
	<b>496</b>	
<b>Transported:</b>	<b>353</b>	
<b>No Transport:</b>	<b>143</b>	
	<b>496</b>	





## Miscellaneous Call Information

Covering Other Agencies	
Organization	Covers
Goshen Fire Co	12
Malvern Fire Co	5
Longwood Fire Co	4
Minquas Fire Co	4
Uwchlan Ambulance	3
	<b>28</b>

Average Times	
Dispatch To Enroute	1.44
Enroute To On Scene	6.53
On Scene Time	13.84
Transport Time	9.71
Dispatch To Available	39.11

Call Types		
Fall / Lift Assist	65	13.1%
Sick Person	52	10.5%
Respiratory Difficulty	49	9.9%
Overdose	38	7.7%
Accident - BLS	31	6.3%
Chest Pain	27	5.4%
Emotional Disorder	24	4.8%
Heart Problems	23	4.6%
Abdominal Pain	18	3.6%
Syncope	18	3.6%
Unresponsive Person	16	3.2%
Injured Person	16	3.2%
Stroke/CVA	14	2.8%
Unconscious Person	14	2.8%
Accident - Entrapment	10	2.0%
Seizures	9	1.8%
Hemorrhaging	8	1.6%
Stand By - Fire	8	1.6%
Unknown Nature	7	1.4%
Allergic / Medication Reaction	6	1.2%
Diabetic Emergency	6	1.2%
Back Pain	5	1.0%
Accident - ALS	5	1.0%
DOA	4	0.8%
Hypo Tension	4	0.8%
Laceration	4	0.8%
Hyper Tension	3	0.6%
Assault	2	0.4%
Choking	2	0.4%
Cardiac /Resp Arrest	2	0.4%
Alarm - Medical BLS	1	0.2%
Alarm - Carbon Monoxide	1	0.2%
Well Person Check	1	0.2%
Neurological / Head Injury	1	0.2%
Non-Emergency EMS Trans	1	0.2%
Poisoning	1	0.2%
	<b>496</b>	

# CERTIFICATE OF TRAINING

## THE PENNSYLVANIA STATE FIRE ACADEMY

hereby congratulates  
Carmen Battavio

upon successfully completing 4 hours of approved instruction in the course

Hazardous Materials Awareness (HMAJB)



Location: Chester County

Date: 2/17/2018

Instructors: Battavio

COMMONWEALTH OF PENNSYLVANIA  
Tom Wolf, Governor  
Mike Stack, Lt. Governor

PENNSYLVANIA STATE FIRE ACADEMY  
Bruce Trego, Acting State Fire Commissioner /  
Fire Training Administrator

# Memo

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To: Board of Supervisors  
From: Jon Altshul  
Re: February 2018 Financial Report  
Date: March 9, 2018

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Net of pass-through accounts, as of February 28<sup>th</sup>, the general fund had revenues of \$1,877,087 and expenses of \$1,758,175 for a year-to-date deficit of \$118,912. Compared to the YTD budget, revenues were \$55,430 over budget and expenses were \$15,547 over budget for a positive budget variance of \$39,883. As of February 28<sup>th</sup>, the general fund balance was \$5,396,557.

On the expense side, Administration, Emergency Services and Public Work are all under budget, while Parks and Recreation and Codes are both slightly over budget. Of particular note, Administration was under-budget by \$42,127 due primarily to higher-than-expected insurance proceeds. On the revenue side, Earned Income Tax, Real Estate Tax and Other Income were all slightly over budget, while Real Estate Transfer Tax, Local Services Tax and Franchise Fees were slightly under budget.

## Other funds

- The **State Liquid Fuels Fund** had \$1 in revenues and \$0 expenses. The fund balance was \$503. Note that the 2018 allocation from the state was made in early March.
- The **Sinking Fund** had \$3,380 in revenues and \$150,986 in expenses. The fund balance is \$5,876,425.
- The **Transportation Fund** had \$873 in revenues and \$0 in expenses. The fund balance is \$1,080,030.
- The **Sewer Operating Fund** had \$762,339 in revenues and \$451,949 in expenses. The fund balance is \$1,197,063.
- The **Refuse Fund** had \$221,181 in revenues and \$156,565 in expenses. The fund balance is \$678,744.
- The **Bond Fund** had \$15,357 in revenues and \$56,707 in expenses. The fund balance is \$7,294,972.
- The **Sewer Sinking Fund** had \$1,332 in revenues and \$15,358 in expenses. The fund balance is \$2,148,652.
- The **Operating Reserve Fund** had \$1,171 in revenues and no expenses. The fund balance is \$2,505,526.

Finally, I would like to schedule the long-range budget planning session for Wednesday, May 23<sup>rd</sup> at 10am. Please advise if this date and time does not work for you.

**EAST GOSHEN TOWNSHIP  
GENERAL FUND SUMMARY  
As of February 28, 2018**

Account Title	Annual Budget	YTD Budget	YTD Actual	Variance
EMERGENCY SERVICES EXPENSES	4,101,440	928,286	929,095	(809)
PUBLIC WORKS EXPENSES	2,637,576	353,128	348,930	4,198
ADMINISTRATION EXPENSES	2,218,972	329,133	335,789	(6,656)
CODES EXPENSES	465,911	71,546	77,546	(6,000)
PARK AND RECREATION EXPENSES	690,256	42,232	48,510	(6,278)
<b>TOTAL CORE FUNCTION EXPENSES</b>	<b>10,114,155</b>	<b>1,724,325</b>	<b>1,739,871</b>	<b>(15,546)</b>
EMERGENCY SERVICES REVENUES	77,628	5,080	6,099	1,019
PUBLIC WORKS REVENUES	1,010,195	2,646	510	(2,136)
ADMINISTRATION REVENUES	334,024	35,875	84,678	48,803
CODES REVENUES	259,725	30,885	36,261	5,376
PARK AND RECREATION REVENUES	140,976	12,516	13,892	1,376
<b>TOTAL CORE FUNCTION REVENUES</b>	<b>1,822,548</b>	<b>87,002</b>	<b>141,440</b>	<b>54,438</b>
<b>NET EMERGENCY SERVICES</b>	<b>4,023,812</b>	<b>923,206</b>	<b>922,996</b>	<b>210</b>
<b>NET PUBLIC WORKS</b>	<b>1,627,381</b>	<b>350,482</b>	<b>348,420</b>	<b>2,062</b>
<b>NET ADMINISTRATION</b>	<b>1,884,948</b>	<b>293,258</b>	<b>251,111</b>	<b>42,147</b>
<b>NET CODES</b>	<b>206,186</b>	<b>40,661</b>	<b>41,285</b>	<b>(624)</b>
<b>NET PARK AND RECREATION</b>	<b>549,280</b>	<b>29,716</b>	<b>34,618</b>	<b>(4,902)</b>
<b>CORE FUNCTION NET SUBTOTAL</b>	<b>8,291,607</b>	<b>1,637,323</b>	<b>1,598,431</b>	<b>38,892</b>
DEBT - PRINCIPAL	549,000	-	-	0
DEBT - INTEREST	249,458	18,303	18,305	(2)
<b>TOTAL DEBT</b>	<b>798,458</b>	<b>18,303</b>	<b>18,305</b>	<b>(2)</b>
<b>TOTAL CORE FUNCTION NET</b>	<b>9,090,065</b>	<b>1,655,626</b>	<b>1,616,735</b>	<b>38,891</b>
<b>NON-CORE FUNCTION REVENUE</b>				
EARNED INCOME TAX	5,181,600	934,463	938,065	3,602
REAL ESTATE PROPERTY TAX	2,026,129	494,404	498,012	3,608
REAL ESTATE TRANSFER TAX	575,000	95,833	95,342	(491)
CABLE TELEVIS.FRANCHISE	489,600	122,400	116,620	(5,780)
LOCAL SERVICES TAX	348,000	76,491	75,438	(1,053)
OTHER INCOME	469,736	11,064	12,171	1,107
<b>TOTAL NON CORE FUNCTION REVENUE</b>	<b>9,090,065</b>	<b>1,734,655</b>	<b>1,735,648</b>	<b>993</b>
<b>NET RESULT</b>	<b>0</b>	<b>79,029</b>	<b>118,912</b>	<b>39,883</b>

SUMMARY OF FUNDS REPORT (AKA "JOE REPORT")  
ALL FUNDS FEBRUARY 2018  
\* NOTE: GENERAL FUND INCLUDES PASS-THROUGH ACCOUNTS

	GENERAL FUND*	LIQUID FUELS STATE FUND	SINKING FUND	TRANSPORT. FUND	SEWER OP. FUND	REFUSE FUND	SEWER SINK FUND	OPERATING RESERVE	TOWNSHIP FUNDS	MUNICIPAL AUTHORITY	BOND FUND
<b>01/01/18 BEGINNING BALANCE</b>	<b>\$5,531,289</b>	<b>\$502</b>	<b>6,024,031</b>	<b>1,079,157</b>	<b>886,672</b>	<b>614,128</b>	<b>\$2,162,678</b>	<b>\$2,504,354</b>	<b>\$18,057,119</b>	<b>\$142,331</b>	<b>7,336,323</b>
<b>RECEIPTS</b>											
310 TAXES	\$1,730,824	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,730,824	\$0	\$0
320 LICENSES & PERMITS	\$330	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$330	\$0	\$0
330 FINES & FORFEITS	\$6,099	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,099	\$0	\$0
340 INTERESTS & RENTS	\$30,029	\$1	\$3,380	\$873	\$521	\$692	\$1,332	\$1,171	\$37,999	\$462	\$15,357
350 INTERGOVERNMENTAL	\$26,060	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,060	\$0	\$0
360 CHARGES FOR SERVICES	\$63,832	\$0	\$0	\$0	\$761,819	\$220,489	\$0	\$0	\$1,046,140	\$846	\$0
380 MISCELLANEOUS REVENUES	\$30,486	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,486	\$423	\$0
390 OTHER FINANCING SOURCES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>\$1,887,661</b>	<b>\$1</b>	<b>\$3,380</b>	<b>\$873</b>	<b>\$762,339</b>	<b>\$221,181</b>	<b>\$1,332</b>	<b>\$1,171</b>	<b>\$2,877,939</b>	<b>\$1,731</b>	<b>\$15,357</b>
<b>EXPENDITURES</b>											
400 GENERAL GOVERNMENT	\$226,050	\$0	\$28,228	\$0	\$0	\$0	\$0	\$0	\$254,278	\$0	\$0
410 PUBLIC SAFETY	\$1,216,031	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,216,031	\$0	\$0
420 HEALTH & WELFARE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
426 SANITATION & REFUSE	\$21,007	\$0	\$0	\$0	\$395,467	\$156,565	\$15,358	\$0	\$588,397	\$53,368	\$0
430 HIGHWAYS,ROADS & STREETS	\$286,462	\$0	\$75,706	\$0	\$0	\$0	\$0	\$0	\$362,168	\$0	\$0
450 CULTURE-RECREATION	\$40,909	\$0	\$46,227	\$0	\$0	\$0	\$0	\$0	\$87,137	\$0	\$56,707
460 CONSERVATION & DEVELOPMENT	\$219	\$0	\$825	\$0	\$0	\$0	\$0	\$0	\$1,044	\$0	\$0
470 DEBT SERVICE	\$18,922	\$0	\$0	\$0	\$56,481	\$0	\$0	\$0	\$75,403	\$0	\$0
480 MISCELLANEOUS EXPENDITURES	\$199,327	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$199,327	\$0	\$0
490 OTHER FINANCING USES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	<b>\$2,008,927</b>	<b>\$0</b>	<b>\$150,986</b>	<b>\$0</b>	<b>\$451,949</b>	<b>\$156,565</b>	<b>\$15,358</b>	<b>\$0</b>	<b>\$2,783,785</b>	<b>\$53,368</b>	<b>\$56,707</b>
<b>2018 SURPLUS/(DEFICIT)*</b>	<b>(\$121,266)</b>	<b>\$1</b>	<b>(\$147,606)</b>	<b>\$873</b>	<b>\$310,391</b>	<b>\$64,616</b>	<b>(\$14,026)</b>	<b>\$1,171</b>	<b>\$94,154</b>	<b>(\$51,637)</b>	<b>(\$41,351)</b>
<b>CLEARING ACCOUNT ADJUSTMENTS</b>	<b>(\$13,467)</b>										
<b>02/28/2018 ENDING BALANCE</b>	<b>\$5,396,557</b>	<b>\$503</b>	<b>\$5,876,425</b>	<b>\$1,080,030</b>	<b>\$1,197,063</b>	<b>\$678,744</b>	<b>\$2,148,652</b>	<b>\$2,505,526</b>	<b>\$18,883,500</b>	<b>\$90,694</b>	<b>\$7,294,972</b>





# Public Input for Determining Risk Assessment Needs

A comprehensive list of public input and discussions  
from various community meetings  
**Citizens' Risk Assessment Initiative**

March 2018

**ISSUED BY**

Citizens' Risk Assessment Committee

Contact: [riskassessmentcommittee@gmail.com](mailto:riskassessmentcommittee@gmail.com)

**REPRESENTATIVE**

Seth Kovnat, Project Engineer

Tom Casey, Risk Assessment Chair



## Introduction

Del-Chesco United for Pipeline Safety is a nonpartisan, fact-based, grassroots coalition of locally-based safety and advocacy groups (*like Protect Penn Delco, Middletown Coalition for Community Safety, Goshen United for Public Safety, West Whiteland Residents for Safety, Uwchlan Safety Coalition, Upper Uwchlan Residents for Safety, Wallace Safety Coalition and East Goshen Safety and Environmental Advocates*), are made up of concerned residents from across Pennsylvania. Del-Chesco United's mission is to unite people through education and to encourage our elected officials to make informed policy decisions for the safety and well-being of our communities.

The Risk Assessment Initiative will use the data from the Quantitative Risk Assessment (QRA) in an attempt to answer all known questions and concerns that the public has inquired about over the past 4 years. The research will undoubtedly produce new questions once the modeling data and reports are revealed. This is an ongoing assessment process and some uncertainties will remain once the data is collected, but this QRA is the critical first step.



## Funding Support

We need your help. Please make a contribution to this effort by choosing a direct payment at our **GO FUND ME** account,

<https://www.gofundme.com/citizens039-risk-assessment-of-me2>

Or you can contribute to this effort by making a donation to **CLEAN AIR COUNCIL** and designate your contribution to the "Citizens' Risk Assessment: Mariner East". By making your contribution through Clean Air Council, your donation will be tax deductible and you will receive an annual membership to CAC as thanks for being a part of this Citizens' project. Your contribution will go 100% in full to the study.

<http://cleanair.org/donate/>



## Public Input

Our process is to review all the factors that RISKS from pipelines bring to all communities. Especially when we are dealing with a company that has a less than stellar performance that could pose higher risks to Health, Safety, & Welfare.

### Three Main Risk Categories:

#### LIFE

1. Loss of Life
  - a. Risk from explosions
    - i. Measure from varying levels underground
    - ii. Public infrastructure issues, ie. sewer systems
  - b. Risk from leaks
    - i. Both pipeline and above ground facilities
  - c. Risk from Horizontal Directional Drilling
    - i. HDD to this extent has never been done
    - ii. Potential impacts on communities
2. Health Concerns
  - a. Air
    - i. Flares, leaks, fire
  - b. Water
    - i. Wells, aquifers, public water
  - c. Ground
    - i. Farms, soil, erosion
  - d. Personal
    - i. Psychological impacts to community
      1. Stress
      2. PTSD type symptoms
      3. Feelings of fear/hopelessness
    - ii. Noise issues & their effects on health
      1. Lead to high blood pressure & heart attacks
      2. Developmental issues in children

### 3. Injury

- a. Fire
- b. Flying debris from over pressurization or explosion
- c. Self-evacuation concerns

## **PROPERTY**

1. QRA output will provide risk of damage as a function of distance from the pipeline
  - a. Have actuary in the real estate field take the risk data and quantify property damage risk in dollars for specific predetermined locations
    - i. Huggins Actuarial located in Media (One example)  
<http://hugginsactuarial.com/>
  - b. Consideration of an economics report on the negative impacts from the pipeline to compare to the Sunoco commissioned “all positive” economics report.
    - i. Would need input data from Sunoco’s source material to compare
  - c. Insurability of property
2. Home values vs. Negative Stigmas
  - a. Get a nationally recognized Appraiser to report on issues surrounding pipeline development and operations
    - i. speak with John Hosey from Shelterfield (has access to national numbers) <http://www.shelterfield.com/>
      1. John evaluated the ME1 flaring tower and gathered credible nationally collected data
      2. Use the Actuary report to get appraisal issues from national sources
      3. Assess negative stigma associated with catastrophic events around the country.
3. Insurance concerns
  - a. Homeowners policy renewals
  - b. Homeowner Association issues (HOAs)
    - i. What happens to premiums
    - ii. Need to get information from Andover insurer
4. Zoning issues
  - a. How does a pipeline alter zoning districts?

- b. What is the impact to Municipal & County Comprehensive Planning
- 5. Quantify loss of different types of property
  - a. Value of lost homes and buildings
    - i. Quantify based on site specific impact radius (examples)
      - 1. CC Library Exton / Exton Mall
      - 2. Wellington and/or church zone
      - 3. Rt. 202 & Boot rd. (impact to loss of business)
      - 4. Marchwood neighborhoods
      - 5. Rt. 1 crossing/Granite Farms
      - 6. Glenwood/Riddlewood neighborhoods
      - 7. Aston/Judy Way area
      - 8. Marcus Hook
      - 9. Glenwood Elementary
      - 10. Boot Road Intersection near Wellington & Church/school
  - b. Value of lost business revenues
    - i. Rt. 202 & Boot road corridor (UPS, QVC, bus. parks)
    - ii. Eagleview area
    - iii. Exton mall and businesses on Rte. 100
    - iv. Goshen Corporate Centers
    - v. Aston (esp. ME1)
  - c. Value of lost schools
    - i. Chester Cty, get specific examples
    - ii. Delco, get specific examples

## **ENVIRONMENT**

- 1. Impacts from HDD to wells, aquifers, lakes, streams
  - a. Get depths of public and private aquifers in the region
  - b. Value of lost well water
  - c. Value of contaminated or drained aquifers
- 2. Loss of wetlands; increased flooding
- 3. Loss of tree cover and habitat due to right-of-way clearing
- 4. What are the concerns regarding air issues
  - a. Consult with Clean Air Council
- 5. Various geologic issues for Mariner East path



- a. Karst topography concerns from drilling
- b. Sinkholes & subsidence (gradual sinking of an area of land)
- c. Regional geologic information



## Risk/Benefit Analysis

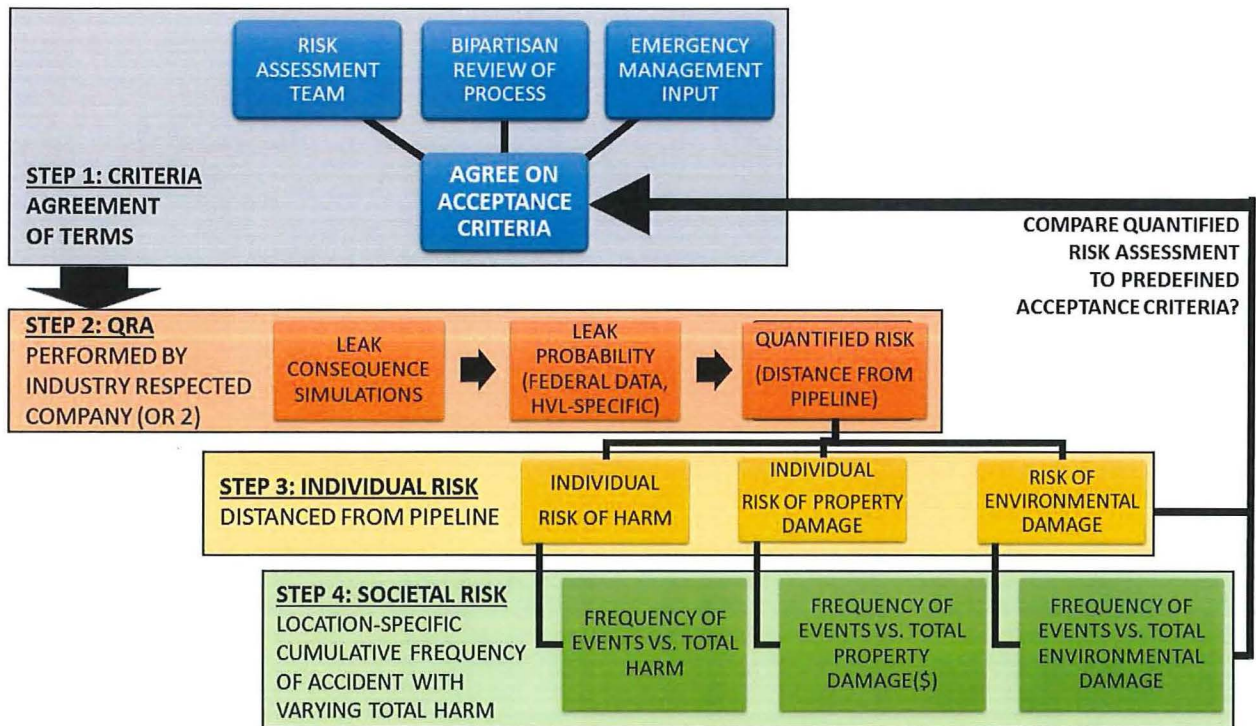
- What benefits are claimed by industry/Sunoco?
- What assurances does industry/Sunoco give about the risks?
- What are the actual benefits when correlated to the QRA?
- What are the actual risks per QRA?
- Better understanding for community.
- Better understanding for municipalities.
- Factual data for individuals to assess personal risk.
- A more informed community overall.



## Conclusion

The community has engaged in the process of trying to understand the risks we are all facing with regards to pipeline development in our communities. They have spoken up at countless township meetings, public events sponsored by the industry, public & private events sponsored by community groups, and even traveled to the state capital to engage with the governor of Pennsylvania and other state representatives. But the questions still remain. What are the risks? What should I do in the event of a gas release? What is the impact to our community? What will happen afterwards? How will these projects impact my home value? These questions, and many more, demand answers. The Citizens' Risk Assessment will attempt to answer them, so that the public & municipalities understand the risks we are being forced to live, work, shop, travel, and play in & around.

## Process Flowchart





## Appendix

Links for comparison assessments

Explanation of F-N plot (Societal Risk)

<http://onlinelibrary.wiley.com/doi/10.1002/9780470552940.app1/pdf>

[http://proceedings.esri.com/library/userconf/petrol16/papers/petrol\\_22.pdf](http://proceedings.esri.com/library/userconf/petrol16/papers/petrol_22.pdf)

<http://www.cheminst.ca/sites/default/files/pdfs/Connect/PMS/Pipeline%20QRA.pdf>

[http://www.pipelinerisk.com/pdf/Enhanced\\_PL\\_Risk\\_Assess\\_Part\\_2%20rev3.3.pdf](http://www.pipelinerisk.com/pdf/Enhanced_PL_Risk_Assess_Part_2%20rev3.3.pdf)

[http://www.windot.com/docs/federal/ntsb/PHMSA\\_research/pdf/DTPH5615T00003L -  
\\_Criticatl\\_Review\\_of\\_Candidate\\_Pipeline\\_Risk\\_Models\\_-\\_Final\\_Report.pdf](http://www.windot.com/docs/federal/ntsb/PHMSA_research/pdf/DTPH5615T00003L_-_Criticatl_Review_of_Candidate_Pipeline_Risk_Models_-_Final_Report.pdf)

[http://www.dec.ny.gov/docs/legal\\_protection\\_pdf/20120216questqra.pdf](http://www.dec.ny.gov/docs/legal_protection_pdf/20120216questqra.pdf)

[http://www.penspen.com/wp-content/uploads/2014/09/risk-assessment-new-guidelines  
.pdf](http://www.penspen.com/wp-content/uploads/2014/09/risk-assessment-new-guidelines.pdf)

<http://www.middletoncoalition.org/copy-of-sen-killion-rep-quinn-lette>





# Quantitative Risk Assessment

**Request For Proposal: Scope of Work**  
**Citizens' Risk Assessment Initiative**

March 2018

**ISSUED BY**

Citizens' Risk Assessment Committee

Contact: [riskassessmentcommittee@gmail.com](mailto:riskassessmentcommittee@gmail.com)

**REPRESENTATIVE**

Seth Kovnat, Project Engineer

Tom Casey, Risk Assessment Chair



## Introduction & Background

The Citizens' Risk Assessment Initiative is accepting proposals in response to this Request for Proposal (this "RFP," or this "Request for Proposal") in order to find qualified firms to quantify the risk associated with operation of artificially liquefied Ethane, Propane, and Butane pipelines in densely populated areas. This data-driven Quantitative Risk Assessment (QRA) will use simulations and statistical likelihood to quantify and assess risk, comparing the results to risk acceptance criteria. The goal of this QRA is to evaluate the risk of highly volatile liquids (HVL) transmission pipelines routed through densely populated areas.

A proposed pipeline project seeks to operate and install 3 co-located HVL transmission pipelines through densely populated suburban Philadelphia. The unique risks to public safety that come with running artificially liquefied, highly combustible gas transmission pipelines through high consequence areas have yet to be adequately assessed. The route was chosen in order to reuse or parallel existing Rights of Way (ROW), but with no federal route oversight (due to classification as an intrastate hazardous liquids pipeline) and no state route oversight (due to Pennsylvania not having a regulatory body responsible for pipeline routing).

The objective of this Request for Proposal is to identify a source that will provide the best overall result to the Citizens' Risk Assessment Initiative. While price is a significant factor, other criteria will form the basis of our award decision, as more fully described in the Evaluation Factors section of this Request for Proposal.

The main goals of this assessment project are:

1. To address the risks & impacts of pipeline development on the identified three main risk categories -- **LIFE, PROPERTY, and ENVIRONMENT**.
2. To help to define unknown risk factor data, then compare/contrast to already established industry risk data.
3. To understand the level of risks posed on each of the three risk categories, and compare it to already established acceptable levels of risk.
4. To provide a risk assessment that is readily available to the general public.



## Project Scope

The scope of the project entails Quantitative Risk Assessment for Natural Gas Liquids pipelines. The Mariner East Project pipeline route will be used to **quantify leak consequences, statistical probability, individual human/property risk, and total human/property loss frequency for a multitude of variables.**

The goal of this assessment is to provide a risk assessment tool not only for evaluating Mariner East pipelines, but any and all existing or future NGL pipelines. In order to do this efficiently, the Mariner East 2 pipeline route will be used as a baseline route to provide flow characteristics for variable pipeline characteristics (i.e. flow materials, pipe characteristics, diameter, pump station discharge pressure, pump station spacing, etc.).

### **Variables Shall Envelope Pipeline Operation Details**

Any and all information that is typically provided by the pipeline operator (i.e. specific NGL mixtures, discharge pressure, flow characteristics, etc.) shall be used as variables and varied to envelope all plausible scenarios to encompass Mariner East project and any other potential NGL project possibilities.

NGL flow shall be simulated appropriately to reflect phase change physical chemistry. Flow simulations can be generic. However, local pressures, temperatures, and density for the flowing product is requested as output at critical features (i.e. valves, pre/post-pumps, end-of-line).

To envelope flow and leak characteristics, analysis is requested for:

- a) Pipe diameter sensitivities:
  - i) 4in, 8in (ME1), 12in, 16in (ME2X), 20in (ME2), 24in, 30in, 36in.
- b) Pumping station sensitivities:
  - i) Pumps assumed to be located 85 miles apart.
  - ii) Intermediate pumping stations added at 43 mile spacing as permitted in approved DEP applications.

- iii) Variable pumping station discharge pressures: 1500psi (MAOP), 1200psi, 1,000psi, 800psi
- iv) Request recommendations based on safe local operating pressures for different NGL mixtures, specifically pure ethane that has highest critical pressure.
- v) Determine local operating pressure lower threshold where risk significantly increases due to volatility within normal operation
- c) Flow material mixtures:
  - i) 100% Ethane
  - ii) 100% Propane
  - iii) 100% Butane
  - iv) Y-Grade NGL
  - v) Other common NGL mixtures
  - vi) Methane Natural Gas

### **Plausible Leak Scenarios**

Plausible leak scenarios shall be simulated using industry approved software.

Independent of actual features along the Mariner East route, hazards shall be simulated with a variety of risk factors. These risk factors include, but are not limited to terrain, topography, geology, presence of buildings/trees, proximity to sewers/karst, proximity to ignition sources, etc. Standard leak analysis shall be simulated. However, consideration of critical leak hole size must be either discussed qualitatively or derived analytically (preferred). There may be a

These variables shall envelope all plausible pipeline uses and characteristics, providing sensitivity analysis that shows how risk varies with each different parameter.

- d) Pinhole leak hole sizes (1/8", 1/4", 1/2" and 3/4" holes, rupture)
  - i) Determine if ALL leaks greater than the "CRITICAL LEAK HOLE SIZE" for each pipe diameter and product (defined below) must be combined and treated with full rupture consequences.
- e) Phase change volatility at cryogenic temperature shall be calculated for each assessed product to determine "CRITICAL LEAK HOLE SIZE":

- 1) Determine mixtures/pipe diameter/leak hole size combinations that have adiabatic expansion gas temperatures below API 5L Carbon Steel embrittlement temperature
  - (a) Discuss whether it is plausible for small leaks of gas below API 5L Carbon Steel embrittlement temperature can propagate a leak hole into full rupture
- 2) Determine mixtures/hole size combinations that have adiabatic expansion gas temperatures below Viton embrittlement temperature. (Viton is used at valve/pump/inspection access above ground features for O-Rings and Seals)
  - (a) Discuss Viton seal performance when subjected to released gas below its embrittlement limit.

#### **Failure Mode Considerations**

- f) Undocumented Digging in someone's yard/land/farm
- g) Trenching failure/error during commercial/institutional/industrial construction
- h) Corrosion (i.e., seam failure, air to ground interface failure, etc.)
- i) Weld failure
- j) Field Bend Failure
- k) Valve Breaking
- l) Valve gasket failure
- m) Equipment port failure
- n) Ground shifting (Karst, heavy rain, etc.)
- o) Shutdown/deinventory issues during emergencies or sudden events elsewhere online

#### **Other Relevant Pipeline Sensitivities**

- p) Use of outdated welding methods (ME1)
- q) Variable age (new, 20 years, 80+ years old)
- r) Large diameter seam-welded (ME2, ME2X)
- s) Straight pipe vs. pipe with excessive field bends as it navigates around residences, roads, etc.
- t) Different Pipeline features

- i) Valve Stations
- ii) Pump Stations
- iii) Variable Depth 3ft, 6ft, 12ft buried pipe, 50ft HDD, 100ft. HDD
  - 1) Consideration in the event that drilling fluid dries out and leaves full/partial open-air annulus surrounding HDD-installed pipe

### **Probability**

- u) Assess leak rates for both industry average AND worst Hazardous Liquids transmission pipeline operator to show sensitivity
- v) Leak data sources:
  - i) Federal leak data (self-reported)
  - ii) Enforcement Actions (Unreported but verified)
  - iii) Other publicly available source with references required
- w) Account for risk factors specific to densely populated areas (Rural vs. Suburban)
  - i) Delayed ignition likelihood in areas with many ignition sources
  - ii) 3rd party damage (accidental or malice) with pipeline located on private property.
- x) Factor in likelihood of HVL pipeline leaks compared to traditional Liquid pipelines
- y) Account for multiple pipelines in shared ROW
- z) Account for crossing other pipelines at specific locations
- aa) Account for different materials (ethane) and thermal risks to pipeline (especially for two-phase flow)
- bb) Consideration of pipeline run through unstable terrain (i.e. karst) that can fail from ground shifting/sinking.
- cc) Consideration of HDD pipe that is in constant bending preload.
- dd) Consideration of large diameter pipe that has be cold-formed in the field.

### **Risk Mitigation Discussion**

- ee) Comment on use of deinventory tanks at valve sites
  - i) Procedures to deinventory lines at each valve site
  - ii) Procedures to reverse flow to deinventory line(s) to place material at safe locations

- iii) Procedures to allow/manage portable/temporary combustion units at valve sites to deinventory line(s)
  - iv) Permits that may be required in advance to allow for reasonably anticipated shutdown procedures?
- ff) Comment on use of Automatic Valves
  - i) Explore difference between best-case Automatic Shutdown and Delayed Shutdown
  - ii) Estimate of minimum time to invoke Emergency Shut-Down (ESD)
  - iii) Estimate of minimum pressure loss to invoke ESD
  - iv) Estimate of expected material loss before control room identifies minimum pressure loss to invoke ESD

### **First Response Comments and Discussion Requested**

- gg) Safe-Distance setbacks for First Responders in different plausible leak scenarios: Prior to Ignition, During Post-Ignition Jet Fire, etc.
  - i) Note time durations for each scenario (i.e. how long until 5 mile isolated segment deinventories via jet fire)
- hh) Amount of space required to accommodate first responders and support equipment in event of valve site failure
  - ii) Amount of space required to accommodate first responders and support equipment in event of line failure
- jj) Valve site detectors to evaluate early warnings of potential leaks, networking of these detectors to first responders, and community warning
- kk) Community notification in densely populated residential and institutional settings?
- ll) Utility protection in emergencies?
- mm) First responder access protocols, incident command hierarchy?
- nn) How to perform a pig dig in HDD segments >>20' below grade?
- oo) What anomalies are smart pigs missing and how to manage pipes the operator cannot visually inspect?
- pp) Leak Response Infrastructure:
  - i) Water supply requirements and protection in emergencies
  - ii) What infrastructure required to extinguish jet fire?



- iii) What infrastructure required to promote gas concentration dissipation below combustion levels?
- iv) Effectiveness of on-site gas leak detectors at valve/pump stations
- v) Can above ground features be enclosed in ballistics bunker?

**Acceptance of the work is contingent on the following acceptance criteria:**

1. Final report providing results with all inputs and assumptions stated clearly, as well as references. The report must include the following:
  - a. Summary of results with discussion of their meaning and description of how the data can be used with stated limitations.
  - b. Hazards zones (i.e. blast radius) identified around pipeline route and features.
  - c. Individual Risk to humans and property quantified around pipeline route and features provided for the different variables identified herein.
  - d. Risk of Total Human (lives) and Property Loss (USD) based on public data from census and tax records or other referenced public sources.
  - e. Individual and Total Loss Risk shall be provided in a way that allows interactive calculation of risk that can be applied to NGL or Natural Gas pipelines in the event of risk factor changes
    - i. Ability to update risk based on presence of different risk factors
    - ii. Ability to transpose risk onto a different route that has same variables and risk factor combinations

## RFP & Project Timelines

The Request for Proposal timeline is as follows:

Request for Proposal Issuance	2/12/2018
Start of Negotiation	2/24/2018
Contract Award / Upon agreement with committee	3/5/2018

The need-date for project completion is 4-6 weeks from time of bid acceptance. Bidders may propose a date earlier or later, and will be evaluated accordingly.





## Budget

The Citizens' Risk Assessment Initiative budget for the project will be determined based on scope of work performed, private fundraising efforts, and municipal partner contributions. Estimates will be directly impacted by the amount of viable options made available to the Risk Assessment. Initially the estimate for completion is **\$50,000 (USD)**.

Costs will be itemized out after preliminary consultation with the chosen vendor. The Citizens' Risk Assessment Initiative will determine the best way to proceed with available funds raised. Scope of work will be a Time & Materials approach. Updates are to be provided from vendor via email or status report on a bi-weekly basis. Invoices are expected every month. The Time & Materials approach will be restricted by a Not to Exceed dollar value based on available funds.



# QRA Vendor Search & Selection Parameters

Vetting outline for selection of a quality company to  
assess levels of risk for pipeline development

**Citizens' Risk Assessment Initiative**

January 2018

**ISSUED BY**

Citizens' Risk Assessment Committee

Contact: [riskassessmentcommittee@gmail.com](mailto:riskassessmentcommittee@gmail.com)

**REPRESENTATIVE**

Seth Kovnat, Project Engineer

Tom Casey, Risk Assessment Chair



## Summary

The Citizens' Risk Assessment Initiative engaged in a comprehensive search to find qualified firms that have the right combination of capability, credentials, integrity, and interest required to properly assess risk from Natural Gas Liquids pipelines across the Commonwealth of Pennsylvania.

There are a multitude of risk factors associated with the operation of artificially liquefied Ethane, Propane, and Butane pipelines in densely populated areas. The importance of finding a qualified company to assess the risks was paramount for the Citizens Risk Assessment Team.

The primary objective of this risk assessment is to quantify risk along the Mariner East pipeline route for any and all reasonable operational and environmental variations. The assessment results will provide any member of the public the ability to determine their own personal life/property risk while also providing government and emergency services the ability to determine the potential risk magnitude to populations and property.

Performing the assessment using a multivariate approach will efficiently provide a very powerful results package for a number of reasons:

- 1) Sensitivity analysis of different operational data ensures that the assessment will cover any and all operational variations throughout the life of the pipeline. This includes material mixtures, pipe diameters, pump station spacing, pump discharge pressure, etc. This analysis can be expanded to include Methane Natural Gas and other materials being shipped via transmission pipelines in our area.
- 2) Sensitivity analysis of different environmental risk factors will allow the results to be used to determine risk in the event risk factors change along the current route. More importantly, this sensitivity allows the results of this risk assessment to be applied to ANY existing or potential new Right of Ways given they have the risk factors covered in this analysis. The ability to determine risk for any existing or future planned NGL pipeline infrastructure is a very power tool that can ensure future planning is data driven.
- 3) Sensitivity analysis will objectively show how potential installation issues (as documented from DEP Notices of Violations) affect risk.
- 4) Sensitivity analysis will objectively show how potential mitigation attempts affect risk.

Under normal circumstances, land-use is regulated at the local level by municipalities many of whom have a comprehensive safety ordinances for zoning. For this pipeline application, most municipalities that have such ordinances have been hesitant to apply them given the project's eminent domain authority that has been applied to Mariner East by the PA PUC. The few municipalities that have tried to enforce their safety-related pipeline zoning ordinances, have not been armed with quantifiable risk data to support safety related municipal concerns. Instead, municipalities have relied on high level federal government regulations, echoed at the state level, that fail to address local risks to communities.

Having quantifiable risk data empowers communities, local municipalities, emergency personnel, schools, and private citizens alike. With quantifiable data:

- 1) Private citizens can decide how much risk they can tolerate.
- 2) Municipalities can see where risks are heightened and decide what measures can be taken to mitigate risks.
- 3) Emergency personnel can see what magnitude of emergency is possible and decide what infrastructure they require to proactively minimize carnage while planning realistic evacuation procedures and routes.
- 4) All of us can use this data to make reasonable requests to the pipeline operator or higher levels of government in the name of risk mitigation.

Overall, we can qualitatively state that the consequences of a Mariner East pipeline leak have the potential to be catastrophic. Many perceive that the probability of a catastrophic leak is low. We must move past qualitative statements and obtain real quantitative data. Data is a very effective tool to mitigate risks, protect property interests, and give landowners the ability to assess levels of risk and how they may impact their health, safety, and welfare. For these reasons it was crucial for our search parameters to find a qualified risk assessment firm that can provide all of the necessary answers in a way that maintains the highest level of integrity.



## Search Parameters

The first level of search parameters focused on what is most important to engaging with a qualified risk assessment firm.

### Required:



- 1) Vendor must regularly work in oil and gas industry.
- 2) Vendor must use simulation to determine flow characteristics and leak consequences.
- 3) Vendor must use well-respected risk assessment process.
- 4) Vendor must have high standards for integrity and unbiased quantifiable risk assessment.
- 5) Vendor must have history of working with industry, government, and emergency services.
- 6) Vendor must be held in high regard with PHMSA and DOT.
- 7) Vendor must recognize and be capable of efficiently assessing any and all potential risk factors that can affect an NGL pipeline in a densely populated area.
- 8) Vendor must be capable of simulating phase change and two phase flow associated with HVLs.
- 9) Vendor must have streamlined process for assessing multiple variables that fully envelope all potential risk factors and operational scenarios.
- 10) Vendor must have strong interest in generating new risk data in an area lacking data driven regulation.

The second level of search parameters were critical for any firm that would be chosen. These parameters would help to ensure the quality of the work being produced. Also, they would allow for limited dispute of findings.

**Preferred:**

- 1) Vendor should be considered a preferred vendor with PHMSA or other regulating agencies.
- 2) Vendor should have no current relationship with Sunoco Logistics, Energy Transfer Partners, or any subsidiaries of these companies.
- 3) Vendor should be an industry leader in risk assessment and consequence modeling.
- 4) Vendor should have history of educating the industry and/or government and/or emergency services.
- 5) Vendor should have option to teach public or other entities.



## **Selected QRA Vendor Qualifications**

1. Vendor has advised and provided for US Department of Transportation (DOT)-sponsored study of pipeline risk management.

2. Provided training for DOT federal and state pipeline risk management auditors.
3. Consulting projects for numerous pipeline operators in the U.S. and in over ten foreign countries.
4. Provided expert witness testimony and report preparations for court proceedings involving previous work.
5. Has helped numerous local and federal government agencies regarding possible impacts arising from pipeline projects.

The company has been in operation for over 25 years, with experts that have a combined 65 years experience in operations, construction, design, and maintenance. The founder is a noted lecturer, software designer, and author. They have a wide range of clients from a variety of sectors including academia, legal firms, engineering companies, insurers, and industry professionals. They specialize in risk assessments and integrity management plans for pipeline development with an emphasis on providing educational workshops that give their clients the power to use the results in the way that best suits the customer needs.

The company's engineering experts have helped to provide consulting services such as:

1. Compliance Assessments – based on current government regulations and industry practices;
2. Risk Management – based on risk reduction versus resource allocation analysis methods; cost/benefit analyses;
3. Risk Assessments – based on new and improved quantitative methods and proven consequence analysis methods;
4. Custom Software Development – risk assessment and management, database management and engineering application program development.
5. Risk Management Workshops – risk management presentations and workshops;
6. Ownership Transfer Due Diligence – compliance and risk assessment approaches;
7. Procedure Development – operations, maintenance, emergency & management procedures;
8. Personnel Training – on site refresher & custom training programs;

The company operates under some guiding principles. First, they are committed to technical excellence. They will continue to develop and efficiently apply the optimal risk management tools in order to best meet the needs of their clients. They strive to consistently provide the most cost effective solutions for their clients. They vow to never advise a client to spend resources in an inefficient manner. Reliability in services provided

helps meet or exceed established client expectations; the result is a long-term client relationship and a reputation for delivering sound solutions under high public and government scrutiny. And finally, they prides themselves in providing objective and unbiased information to clients ensuring an unquestionable level of integrity and professionalism.



## Conclusion

The Citizens' Risk Assessment utilized input from years worth of input from the countless public meetings being held across the state. The need for a quality report grows with each new pipeline project being considered in the state of Pennsylvania. The rush to get these projects completed without knowing the true impacts would be a mistake. The industry only tells communities what they want them to know. The community has determined that it wants to know more, to have true understanding of the risks involved.

**XXXXXXXX TOWNSHIP**  
**XXXXX COUNTY, PENNSYLVANIA**

**RESOLUTION NO. XX-2018**

**A RESOLUTION of the Board of Supervisors of XXXXXXXX Township, XXXXX County, Pennsylvania recognizes the real threat to health, welfare and safety of township residents due to the development of hazardous liquids transmission pipeline projects in areas defined by the Pipeline and Hazardous Materials Safety Administration (PHMSA) as a “high consequence area.”**

**WHEREAS**, XXXXXXXX Township is classified by PHMSA as a “high consequence area”, meaning the result of a pipeline incident within XXXXXXXX Township would could have catastrophic impacts to life, property and the environment; and

**WHEREAS**, more than one hazardous liquids pipelines transmitting highly volatile NGL - ethane, butane and propane that are odorless, colorless, heavier than air and under extreme pressure are currently transmitting or planned to transmit through the probable impact radius of residential, school and public spaces within XXXXXXXX Township; and

**WHEREAS**, Title 35, Chapter 77 of the PA Code states that the Governor shall consider on a continuing basis steps that could be taken to prevent or reduce the harmful consequences of disasters; and

**WHEREAS**, Governor Wolf and the PUC have failed to conduct a risk assessment associate with transmission of highly volatile NGLs through high consequence areas like Chester and Delaware Counties; and

**WHEREAS**, Citizens of the Commonwealth of Pennsylvania and XXXXXXXX Township have a right to understand the risks that they face in their homes, schools and communities;

**NOW THEREFORE, BE IT ENACTED AND RESOLVED** by the Board of Supervisors of XXXXXXXX Township, XXXXXXXX County, Pennsylvania that the Board expresses its deep concern about the absence of this information for community outreach and the proper and thorough planning for disaster prevention and emergency response to an NGL pipeline failure within the Township; the Board adopts the following:



1. In response to the absence of a quantitative assessment of the risk related to currently in service and under construction pipeline infrastructure projects within XXXXXX Township, the XXXXXX Township Board of Supervisors support the Citizens-led Risk Assessment.
2. Contributing financial support in the amount of \$15,000 to the funding of an independent study conducted by an independent and reputable firm contracted by the Citizens-led Risk Assessment Committee according to the qualifications outlined in exhibit A.
3. Agree to conduct any further assessment or evaluation based on this data commissioned by XXXXXX Township through the Citizens-led Risk Assessment Committee for a period of one year from the release of the final assessment report.
4. And to support the Citizens' Risk Assessment in any meaningful way possible.

**RESOLVED** this \_\_\_\_\_ day of March, 2018, by the Board of Supervisors of XXXXXX Township, XXXXXX County, PA at the regular meeting of said Board.

**BOARD OF SUPERVISORS**  
XXXXXX TOWNSHIP  
XXXXXXX COUNTY, PENNSYLVANIA

\_\_\_\_\_  
, Chairman

\_\_\_\_\_  
, Vice Chairman

\_\_\_\_\_  
, Supervisor

Attest: \_\_\_\_\_

# Memo

## East Goshen Township

Date: March 8, 2018  
To: Board of Supervisors  
From: Rick Smith, Township Manager  
Re: Natural Lands Pond Study

**Background** - As requested, Mike, David, and I met on March 5, 2018, to develop a plan of action for implementation of the Natural Lands Pond Study. Mark Miller attended the meeting as well.

While the Study encompasses six ponds, it recommends that dredging can be deferred until 2022 for the Pin Oaks Pond and Bow Tree II & III Pond. We therefore directed our attention to the Marydell Pond, Hershey Mill Pond, Bow Tree I Pond, and the Bow Tree II & III Basin.

It was the consensus of the group that we would use the following criteria for ranking the ponds:

- Water Quality – We compared the water quality to the Penn State standards.
- Complexity – We agreed it would be better to start with the ponds that allow for the disposal of the dredged material on site.
- Visibility – We agreed that a pond that was readily visible would maximize the number of people that would be able to view the finished project.
- Self-perform – If the Public Works Department could do the work, it would significantly reduce our out-of-pocket costs.
- Other – Are there some other factors that impact the pond?

**Conclusions** - Water quality is a major issue. While we performed water tests in October 2017, we would recommend that all of the ponds be tested every April and October. This testing will provide us a baseline for each pond, which will enable us to determine the effectiveness of the improvements.

The Public Works Department should do the work to in order to reduce the Township's out-of-pocket costs.

Do one pond a year, which would allow Public Works to fit it into their schedule and minimize the impact on the budget.

We should engage a consultant to work with the Conservancy Board and a residents' pond committee to develop the construction and landscaping plans for each pond.

We would need to develop a specific plan for each pond that would be communicated to the residents. We want to clearly define what the residents can expect to happen and when. We would utilize the Township Engineer for any required permitting or structural improvements.

We recommend that the Marydell Pond be done first. It has the second-worst water quality of all of the ponds. Dredging it would be simple since we can dispose of the dredged material on site and the pond is visible from Barker Drive, which would allow other residents to see the finished product. Public Works can do the work, and most importantly, the outlet structure needs to be replaced.

We would recommend that this group get together again early next year in order to determine what pond should be done next since by that time, the condition of the other three ponds and their components may have changed. In addition, we will have completed additional rounds of water testing.

**Suggested Motion** – I move that we proceed with the dredging and replanting of the Marydell Pond as outlined above.

In addition, the Board hereby appoints the following residents to the Marydell Pond Committee.

(insert names)

This committee is tasked with working with the Conservancy Board with respect to various improvements to be made at the Marydell Pond.

Finally, we should test the water in all of the ponds in April and October.

# Memo

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To: Board of Supervisors  
From: Department of Parks and Recreation  
Re: Paoli Pike Trail, Segment B; PennDOT & DCED-CFA Multimodal Transportation Fund Grant Applications  
Date: March 12, 2018

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The East Goshen Township Paoli Pike Trail Feasibility Study and Master Plan has identified a number of funding sources for its implementation. Both the PennDOT and DCED-Commonwealth Financing Authority Multimodal Transportation Fund grant programs have been identified as potential funding sources for trail segment B. Paoli Pike Trail Segment B anticipated project costs are \$2,712,000, see attached Cost Estimate for detail. Of the Township match, the preliminary engineering, environmental clearance and final design have already been approved and under way via McMahon Associates. Township staff recommends applying for each grant program. The amount requested through the PennDOT Multimodal Transportation Fund amount is \$1,866,000 with an East Goshen Township's matching fund expenditure of \$838,500. The amount requested through the DCED-CFA Multimodal Transportation Fund amount is also \$1,866,000, with an East Goshen Township's matching fund expenditure of \$838,500. It is also important to note, that two other grant programs (DCNR-C2P2; \$500,000 application) and Chester County Municipal Grant (\$150,000 application) would follow in the subsequent grant round following funding through the above two programs.

Motion: I move to authorize application for both the PennDOT and DCED-CFA Multimodal Transportation Fund grant programs in the amount of \$1,866,000 and approve matching funds in the amount of \$838,500.

## Exhibit 1 - Engineer's Conceptual Opinion of Cost

Project: Paoli Pike Trail - Segment B (Ellis Lane to Reservoir Road)

Applicant: East Goshen Township

	Total	MTF Request	Matching Funds
Administrative			
Contingency	\$ 87,000	\$ -	\$ 87,000
Preliminary Engineering	\$ 228,000	\$ -	\$ 228,000
Environmental Clearance	\$ 25,000	\$ -	\$ 25,000
Final Design	\$ 169,000	\$ -	\$ 169,000
Right-of-Way	\$ 322,000	\$ -	\$ 322,000
Utilities	\$ 15,000	\$ -	\$ 7,500
Construction	\$ 1,721,000	\$ 1,721,000	\$ -
Inspection	\$ 145,000	\$ 145,000	\$ -
<b>Total</b>	<b>\$ 2,712,000</b>	<b>\$ 1,866,000</b>	<b>\$ 838,500</b>

Percent of Match 45%

### Notes and Assumptions:

Construction estimates are based on quantities derived from the trail conceptual plan included in the Paoli Pike Trail - Feasibility Study and Master Plan and unit prices from recently bid local projects with PennDOT oversight.

The following costs are rough estimates for budgeting purposes only: Utility Relocations and Right of Way. The costs associated with these items will need to be determined through the development of the project.

Estimates of existing and required right-of-way were developed based on GIS data obtained from Chester County. Existing legal right-of-way lines and property lines have not been independently verified through field survey or deed research. Existing legal rights-of-way and existing property lines, as well as the size and location of any required rights-of-way (temporary or permanent), will need to be determined during the preliminary engineering of the project.

Right-of-way estimates include rough approximations for temporary and permanent easements, but do not include the cost of legal fees associated with right-of-way acquisition process.

The Engineer's Conceptual Opinion of Cost does not include relocating or resetting existing underground utilities within the limits of the project or the provision of any future utilities. Impacts to existing underground utilities will need to be determined during the preliminary engineering of the project through subsurface utility engineering. Due to visible evidence of subsurface utilities within the project area (underground electric, water, sewer, gas and telecommunication) it is recommended (and likely required by law) that utility test pits be performed during the preliminary engineering of the project.

Further evaluation of the existing signalized intersections within the project limits is required during the preliminary engineering of the project. This evaluation may result in the identification of other improvements and costs not identified within this Engineer's Conceptual Opinion of Cost.

The estimate includes a contingency of 5% of infrastructure cost.

The Engineer's Conceptual Opinion of Cost does not include any environmental remediation (including but not limited to removal and replacement of contaminated soils) or environmental impact mitigation. Post-construction stormwater management is included in the estimate for each segment. However, these estimates do not consider credits or deductions from other Township capital projects.

**Disclaimer:** This opinion of cost was prepared at the request of East Goshen Township for the purpose of the Multimodal Transportation Fund (MTF) grant application. This opinion of cost is based on the Paoli Pike Trail - Feasibility Study and Master Plan. Please note that opinions of cost are subject to change based on plan/design revisions, fluctuations in unit costs, field conditions, and differences in locale. Opinions of cost are provided for use in budgeting, but in no way intended to be construed as a final cost for the project. Final costs are contingent only on actual bids from contractors.



Item No.	Description	Comment	Unit	Quantity	Unit Cost	Cost
	<b>Standard Items</b>					
1	Clearing and Grubbing		LS	1	\$130,000.00	\$130,000.00
2	Class 1 Excavation		CY	2,450	\$80.00	\$196,000.00
3	Foreign Borrow		CY	245	\$65.00	\$15,925.00
4	Saw cut existing pavement		LF	434	\$10.00	\$4,340.00
5	Grading (includes topsoil and seeding)	see below	SY	2,964	\$20.00	\$59,280.00
6	Full Depth Bituminous Pavement + Wearing Course (8" Bituminous Base Course & 8" Subbase)		SY	50	\$115.00	\$5,750.00
7	Driveway Adjustments		SY	150	\$75.00	\$11,250.00
8	Plain Cement Concrete Curb		LF	138	\$40.00	\$5,520.00
9	Drainage Upgrades	New Drainage Structures/Pipe	LS	1	\$37,500.00	\$37,500.00
10	Construction Surveying, Schedule, Equipment Package		LS	1	\$20,000.00	\$20,000.00
11	24" White Pavement Markings, Hot Thermoplastic Paint		LF	580	\$10.00	\$5,800.00
12	Signage		EA	10	\$190.00	\$1,900.00
13	ADA Accessible Curb Ramp at signalized intersection	at a signalized intersection	EA	3	\$8,100.00	\$24,300.00
14	Detectable Warning Surface	at a driveway	EA	4	\$3,100.00	\$12,400.00
15	Traffic Signal Upgrades	Push Button upgrades	LS	1	\$25,000.00	\$25,000.00
16	Tree Replacement		EA	25	\$1,100.00	\$27,500.00
17	<b>Special Items</b>					
18	Porous Bituminous Pavement Trail		SY	2,904	\$100.00	\$290,400.00
19	Post Construction Stormwater Management	Approx. 5% of Total	LS	1	\$71,000.00	\$71,000.00
20	Plastic Ribbon Fence		LF	575	\$30.00	\$17,250.00
21	Split Rail Fence		LF	1,900	\$25.00	\$47,500.00
22	Wooden Boardwalk		SF	5,157	\$70.00	\$360,990.00
23	Miscellaneous Relocations	Segmental Stone Wall	LS	1	\$62,500.00	\$62,500.00
23	<b>Subtotal Trail Construction Cost</b>	<b>Items 1 - 23</b>				<b>\$1,433,000.00</b>
24	Maintenance and Protection of Traffic	Approx. 10% of Item 23				\$144,000.00
25	Erosion and Sediment Control	Approx. 5% of Item 23				\$72,000.00
26	Mobilization	5% of Item 23				\$72,000.00
27	Contingency	5% of Items 23 - 26				\$87,000.00
28	<b>Total Trail Construction Cost</b>	<b>Items 23 - 27</b>				<b>\$1,808,000.00</b>
29	Construction Inspection	8% of Item 28				\$145,000.00
30	<b>Total Trail Construction + Inspection</b>	<b>Items 28 - 29</b>				<b>\$1,953,000.00</b>
31	Preliminary Engineering					\$228,000.00
32	Environmental Clearance					\$25,000.00
33	Final Design					\$169,000.00
34	Utilities		LS	1	\$15,000.00	\$15,000.00
35	Right-of-Way		LS	1	\$322,000.00	\$322,000.00
36	<b>Total Trail Project Cost</b>	<b>Items 30 - 35</b>				<b>\$2,712,000.00</b>

**Assumptions & Notes:**

-Wooden Boardwalk unit cost based on material research provided by East Goshen Township.

-Ground restoration (grading) for 8' on front of trail and 2' on back of trail.



## ELLIS LANE TO RESERVOIR ROAD

### Limits

Ellis Lane to Reservoir Road, including improvements at the Reservoir Road intersection

### Length

0.60 miles

### Summary

10-foot wide multi-use trail on the north side of Paoli Pike between Ellis Lane and Reservoir Road, including a new trail boardwalk bridge to cross the East Branch of Chester Creek and wetland/floodplain area and improved bicycle/pedestrian crossings at the Reservoir Road intersection

### Key Connections

- Goshen Corporate Park
- Price Fields for West Chester Area School District

### Potential Future Connections

- Residential developments along Reservoir Road, south of Paoli Pike
- Residential developments north of Paoli Pike, including Grand Oak
- Likely to be implemented in conjunction with Segment A due to right-of-way and other project elements

### Existing Conditions

*Focused on the preferred trail alignment on the north side of Paoli Pike*

- Existing land uses include the Out of Reach horse farm, residential property with agricultural uses, Goshen Corporate Park, and residential properties on the southside
- Paoli Pike is one lane in each direction, with left-turn lanes provided at the signalized intersections with Ellis Lane and Reservoir Road
- Steep slopes adjacent to the roadway between Ellis Lane and the East Branch of Chester Creek and the Goshen Corporate Park frontage
- Crossing of the East Branch of Chester Creek and the associated wetland/flood plain area
- Overhead utility lines on the north side between Airport Road and the East Branch of Chester Creek, where the lines transition and continue on the south side
- Vegetation adjacent to the roadway between the East Branch of Chester Creek and the Goshen Corporate Park
- Limited bicycle and pedestrian facilities include pedestrian path for Price Fields on the south side of Paoli Pike and crosswalks and pedestrian signals at the signalized intersection of Reservoir Road

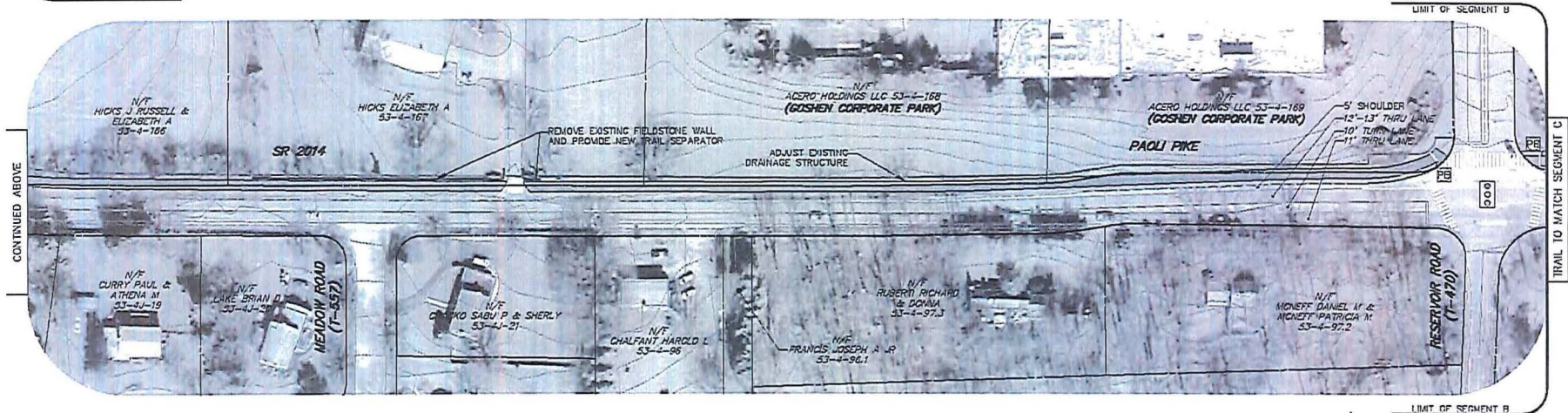
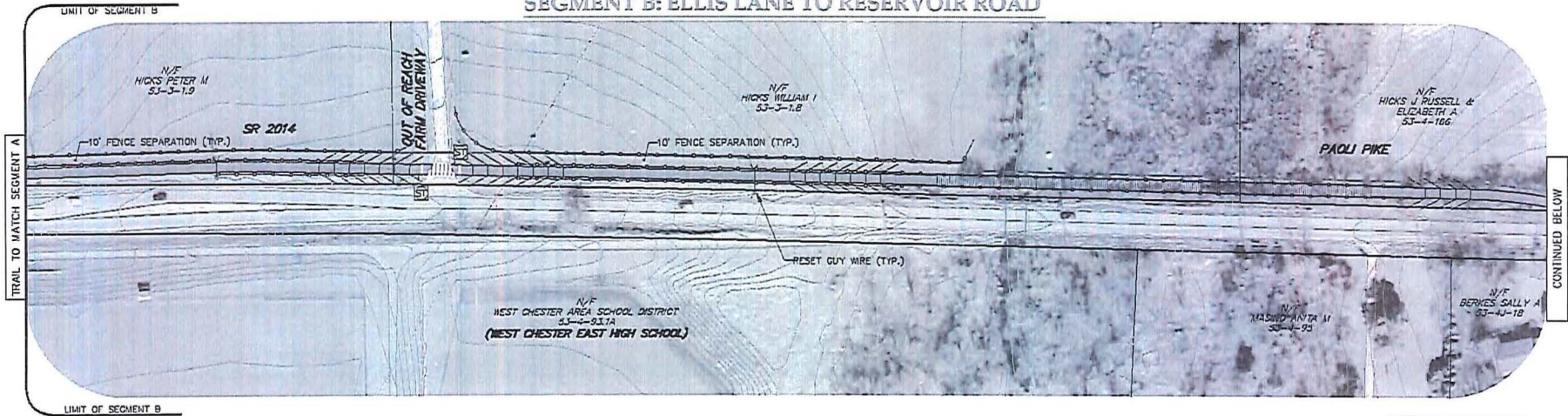


### Key Elements of the Trail Conceptual Plan

- Double split rail fence for the Out of Reach Farm pasture to provide a safe distance between trail users and horses
- Trail alignment generally at the top of steep slopes adjacent to the roadway to provide an adequate buffer area and minimize the need for re-grading or structures
- Pedestrian safety rail (ribbon fence) between the roadway and trail at select locations with steep slopes to provide trail users with a sense of security
- High visibility crosswalks at one commercial and one residential driveway
- Approximately 425-foot new elevated boardwalk trail bridge to cross the East Branch of the Chester Creek and associated wetland/floodplain area
- Remove existing field stone wall and vegetation along the roadway between the East Branch of Chester Creek and Goshen Corporate Park. Replace with new separator or screening between the trail and residential property.
- Utilization of the existing shoulder area immediately west of the Reservoir Road intersection for a portion of the trail and buffer area
- Upgrades at the Reservoir Road signalized intersection to provide four high visibility crosswalks with ADA compliant curb ramps and bicycle detection



# SEGMENT B: ELLIS LANE TO RESERVOIR ROAD



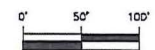
## LEGEND

	PROPOSED MULTI-USE TRAIL (10' WIDTH)		PROPOSED CURB		EXISTING CURB
	PROPOSED TRAIL BOARDWALK		PROPOSED EDGE OF PAVEMENT		EXISTING EDGE OF PAVEMENT
	PROPOSED NEW GRASS BUFFER AREA		PROPOSED PAVEMENT MARKINGS		EXISTING PAVEMENT MARKINGS
			PROPOSED SAFETY RAIL (FENCE)		EXISTING CONTOUR (2 FOOT INTERVAL)
			PROPOSED SIGN		EXISTING RIGHT-OF-WAY LINE
			REQUIRED SIDEWALK EASEMENT		EXISTING PROPERTY LINE
					EXISTING UTILITY POLE

	TRAIL USER STOP SIGN
	PUSH BUTTON SIGN

NOTE:  
REFER TO PAOLI PIKE TRAIL - FEASIBILITY STUDY AND MASTER PLAN FOR ALL ASSUMPTIONS, EXCLUSIONS, AND DESIGN CRITERIA USED IN THE PREPARATION OF THIS CONCEPTUAL DESIGN PLAN.

## SCALE



# Memo

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To: Board of Supervisors  
From: Park and Recreation Commission  
Re: Community Day Activities  
Date: March 12th, 2018

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Community Day has been scheduled for Saturday, June 30<sup>th</sup> with a rain date of Sunday, July 1st. Per Township procurement standards; the Director of Parks and Recreation has received the following price quotes with accompanying recommendations. Quotes were for the exact type, quality and quantity of service. It is important to note, the Friends of East Goshen 501c3 anticipates financially supporting the event in its entirety.

Name	Service Provided	Service Fee
International Fireworks	Fireworks Demonstration	\$9000
D & M Fireworks	Fireworks Demonstration	\$9000
Sky Shooter Displays	Fireworks Demonstration	\$9000

Name	Service Provided	Service Fee
One Stop Party Shop	Inflatables and Carnival Games	\$4830.00 (sent email 2/13 offering additional 15% off, to \$4105.70)
Bette's Bounces	Inflatables and Carnival Games	\$3913.60

After reviewing the above price quotes, the Park Commission recommends selecting D & M Fireworks and Bette's Bounces for Community Day.

D & M Fireworks is the fireworks recommendation because:

- Provided last year's Bicentennial Celebration fireworks, which was universally applauded as the best in years.
- D & M is by far the most responsive vendor the Township has worked with and is personally invested in providing a high quality show.
- D & M's Owner personally comes to the event, supporting efforts if needed.

Bette's Bounces is the inflatables recommendation because:

- Price quote is the lowest
- Customer service (determined at events) has been the best amongst the above vendors.
- Bette's Bounces also provides staff for the trackless train and gas; additional Township cost savings

Motion:

I motion to select D & M Fireworks and Bette's Bounces for the above listed Community Day services.

*Computer/H:/East Goshen Township/Budget*



**Fireworks Proposal**  
East Goshen Township

**Prepared for**  
Jason Lang

**Event Date**  
June 30, 2018



February 10, 2018

Dear Mr. Lang,

Below we have listed our fireworks proposal for **June 30, 2018**. D&M Fireworks has always put our focus on providing customers with fantastic service throughout their entire experience with us, offering competitive pricing, and employing the highest safety measures on all our products. Our goal is to establish positive relationships with our customers that will grow into long-lasting partnerships.

The proposal listed is built using a budget of **\$9,000**. You will find a great variety that will astound your audiences and make this a show they won't forget. Our fee also includes display design, insurance, transportation, all required materials, labor, setup and break down upon completion of the show. Please be sure to remember, that as sponsors, you are responsible for obtaining all necessary permits, security, and safety support from your local fire department for the day of your event.

If any questions or concerns come up, please feel free to reach out to us. We will be more than happy to assist you.





## East Goshen Township

### Opening

30	2.5 Inch Shells Rainbow Peony with Titanium Salutes
6	4 Inch Assorted Display Shells
5	5 Inch Assorted Display Shells
3	6 Inch Assorted Display Shells
100	Variety of Colorful Reports
300	Red White & Blue Salutes

### Body of Display

120	2.5 Inch Assorted Display Shells
144	3 Inch Assorted Display & Fancy Exhibition Shells
72	4 Inch Assorted Display & Fancy Exhibition Shells
54	5 Inch Assorted Display Shells
27	6 Inch Assorted Display Shells

### Mid-Level Display

49	Fan Shaped Big Willow with Green Strobe
150	Silver Whirls to Report
280	3 Time Whistles to Red Flowers and Titanium Salutes
104	Silver Spinning Poison Spiders
100	Sea Blue, Orange, Grass Green Peony with Salutes
49	Fan Shaped Red Time Rain
100	10x10 Rain Storm with Whirling Pin Wheels
100	Z Blue Tails to Blue Brocade Crown
210	X Gold Crackling Split Coconut Trees
100	Double Z Sea Blue to Gold Chrysanthemum



## Grand Finale

210	2.5 Inch Shells Rainbow Peony with Titanium Salutes
120	3 Inch Multi Effect Shells and Titanium Salutes
24	4 Inch Multi Effects Shells
15	5 Inch Multi Effects Shells
6	6 Inch Multi Effects Shells
600	V Brocade Crown with Salute
100	Quick Whistle Birds with Red Crackling Flowers

Included in the above package are salutes, mines, peonies, chrysanthemums, tiger tails, crossettes, coconuts, scatters, dahlias, crowns, willows, and comets. We have also included a vast assortment of dynamic floral and pattern effects that amaze all ages. D&M Fireworks believes there is no substitute for quality in fireworks. With this in mind, we use only the best products available to our customers. Not only will your audience marvel at the difference in the value of the fireworks display, but it also will ensure that safety remains a priority. We are confident that your experience with us will make your decision for fireworks in the future an easy one.

Thank you for your consideration.

Best Regards,

David Albitz / Skip Markacs  
D&M Fireworks, LLC  
Phone: 610-656-1575  
Fax: 888-797-4675  
Email: [dave@dmfireworks.com](mailto:dave@dmfireworks.com)  
Website: [www.dmfireworks.com](http://www.dmfireworks.com)



# **FIREWORK DISPLAY PROPOSAL**

**East Goshen Twp**

**2018**

**\$9,000**

# **Firework Display Details**

## **OPENING FINALE**

2.5" & 3" Red, White, Blue Chrys	60
4" Brocade Crown & Salute	12
5" Brocade crown	5
6" Assorted Chrys	3
Custom Green Time Rain Curtain (2 units)	200
<b><u>Total Opening Finale</u></b>	<b>280</b>

## **BODY OF PROGRAM**

3" Assorted Shells (Shot in pairs of 2 or 3)	120
3" Assorted Shells ( Shot As Singles)	144
4" Assorted Shells (Shot In Pairs of 2 or 3)	72
4" Assorted Shells ( Shot as Singles )	60
5" Assorted Shells ( Shot as Singles & doubles)	72
6" Assorted Shells	45
<b><u>Total Shells Body</u></b>	<b>513</b>

## CURTAINS DURING BODY OF SHOW

ZY is known for our custom created "Super Curtains".

Our "Super Curtains" are multiple cakes (units) shot at multiple positions.  
This takes our displays a step above the competition presenting an extra breathtaking element to your firework display.

Fan dou lia mi	100
Red Comets to Horse tails	100
Crossett Fan Wall All Red-White-&-Blue (2 Units)	98
2.5" Brocade Crown	72
2.5" Custom Sky Color Creation R-W-B-G-Y Peony	72
Purple to big Crackling Rain	100
Our Falling Leaves Scenery	50
V Shape Golden Rain Curtain	100
2.5" Assorted Rings	72
Assorted chrys	100
2" Crackling palms	50
<b><u>Total Shots in Curtains in Body</u></b>	<b>914</b>



### GRAND FINALE SHELLS

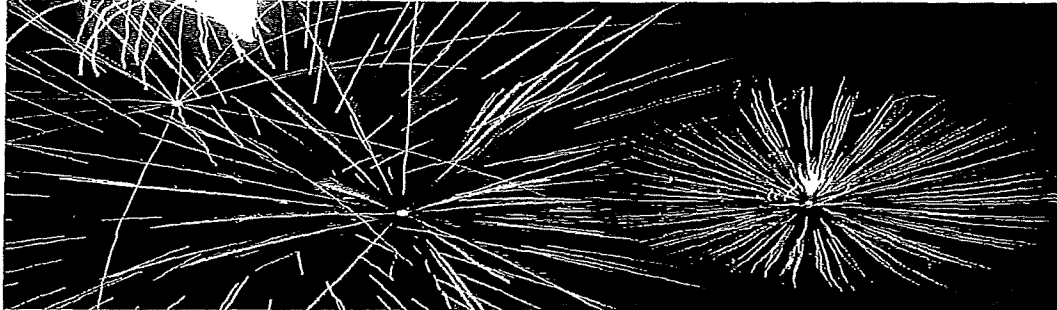
Quick Salute	200
Quick Whistle R/W/B to Salute	300
Custom American Thunder	200
2.5" & 3" Red, White, Blue Strobing Chrys	160
2.5" & 3" Salutes	60
2.5" & 3" Custom Red-Yellow-Purple-Blue-Green color runs	120
4" Brocade Crown	30
5" Brocade Crown & Multi Salute	20
6" Multi Salute	12
<b>Total Shots in Grand Finale</b>	<b>1102</b>

### Total Shots in Show

Opening	280
Body Shells	513
Body Curtains	914
Finale	1102
<b>Total Shots in Show</b>	<b>2809</b>

## Show Proposal

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**A Custom Proposal Designed by  
International Fireworks Manufacturing Company**

**For:**

Applebrook Golf Club

**Dates:**

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Program Date:

6/30/2018

Rain Date:

7/1/2018

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## Show Proposal Details

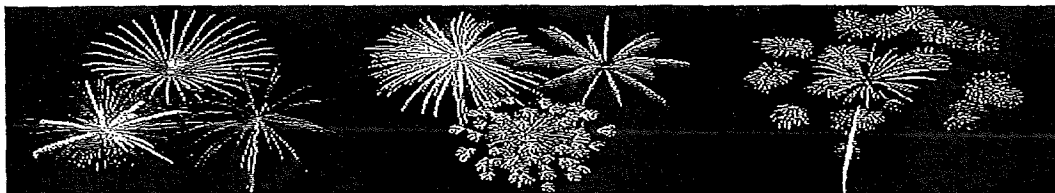
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**Summary:**

This Custom Designed Show for East Goshen Community Day is summarized to have approximately 5337 Total Shots.

Program Cost:

\$9,000



## Opening Display

Total Shots: 1,049

3 Inch Shells	Shell Type	Quantity of Shots
	Flights of Assorted Shells (5 Shells)	30

Total Number of 3 Inch Shots 30

4 Inch Shells	Shell Type	Quantity of Shots
	Flights of Assorted Shells (5 Shells)	10

Total Number of 4 Inch Shots 10

5 Inch Shells	Shell Type	Quantity of Shots
	Flights of Assorted Shells (5 Shells)	5

Total Number of 5 Inch Shots 5

6 Inch Shells	Shell Type	Quantity of Shots
	Flights of Assorted Shells(4 Shells)	4

Total Number of 6 Inch Shots 4

Cakes	Shell Type	Quantity of Shots
	1000 Shot Whistling Dragon	1000

Total Number of Cake Shots 1000

You can expect the following types of effects in the opening portion of the show

- Five Shells Fired Simultaneously...Mini Barrages of Special Effects Such As Rings, Patterns, Brocades, Palm Trees, Assorted Colors & Salutes with Rising Tails.
- Four Shells Fired Simultaneously...Mini Barrages of Special Effects Such As Twinkling Kamuro with Long-Hanging Curtain effect, 3 Color-Changing Peony with Double Pistol & Tail, Large Trailing Tiger Tail to Peony
- The "Angry Birds" Year Of The Dragon Equivalent. Rapid Fire Total Saturation Of Sparks, Flame, Noise And Smoke!
- Extreme-Rapid-Fire Assault With Color In The Near-Air

It is with utmost pleasure that we are thankful to provide you with the newest designs in fireworks displays. Our creativity in selection of the finest products is sure to keep the "oohs" and "aahs" escaping the mouths of your crowd!!!

**Main Body Display****Total Shots:** 3,131

3 Inch Shells	Shell Type	Quantity of Shots
	Superb Unique Multi-Effect Shells1	18
	Superb Unique Multi-Effect Shells2	18
	Fancy Assorted Colors & Effects w/ Tails	36
	Extra Fancy Effect Shells	36
	Assorted Canister w/Color & Special Effects	6
	Flights of Assorted Shells (5 Shells)	90

**Total Number of Three Inch Shots** 204

4 Inch Shells	Shell Type	Quantity of Shots
	Superb Unique Multi-Effect Shells1	18
	Superb Unique Multi-Effect Shells2	18
	Superb Unique Multi-Effect Shells3	18
	Fancy Assorted Colors & Effects w/ Tails	18
	Extra-Fancy Style Pattern Shells	18
	Assorted Canister w/Color & Special Effects	5
	Flights of Assorted Shells (5 Shells)	20

**Total Number of Four Inch Shots** 115

5 Inch Shells	Shell Type	Quantity of Shots
	Superb Unique Multi-Effect#1	24
	Extra Hard-Breaking Shells	24
	Fancy Assorted Colors & Effects w/ Tails	12
	Extra-Fancy Assorted Shells	12

**Total Number of Five Inch Shots** 72

6 Inch Shells	Shell Type	Quantity of Shots
	Superb Unique Multi-Effect#1	10
	Superb Unique Multi-Effect#2	10
	Extra Hard-Breaking Shells	10
	Assorted Fancy Style	10

**Total Number of Six Inch Shots** 40

Cakes	Shell Type	Quantity of Shots
	100 Shot "Z" Silver Wave to Red	100
	100 Shot Red/White/Blue Chrysanthemums	100
	100 Shot Peony & Salute	100
	300 Green Whirl with Red Spinner	300
	300 Silver Giltter and Crackling Crossetti	300
	600 Shot Red/White/Blue Crackling with Reports	600
	600 Shot Hundred Flowers In Blossom	600
	600 Shot Silk Willow	600

Total Number of Cake Shots 2700



**You can expect the following types of effects in the main portion of the show**

- These Shells Will Include Blue and White Peonies With Salutes, Red Crackling Chrysanthemums, Silver Spiders, Glittering Green, Whistle And Stars, Coconut Trees, Color Diadems,
- Peony with Color Changing Cores, Chrysanthemums with Color Changing Pistils
- Premium Shells with Patterns(Triple Rings, Star & Ring, Butterfly),Shell of Shell with 100's of Assorted Breaks, Twinkling Kamuro, Falling Leaves, Crackling Dragon Eggs with Tails
- Shells That Include A Large Burst of Color Followed By An Additional Burst of Either Heavy Titanium Reports, or Additional Color Breaks!
- You Can Expect A Variety of Patterns Such As 5-Pointed Stars, Rings, Saturns, Hearts or Bowtie Shaped Effects.
- Premium Assorted Color Shells with The Latest and Greatest... Color-Changing Chrysanthemums & Peonies w/Pistils & Palm Tree Cores, Splitting Comets, Crackling-Sizzling Stars, Half and Half Colors, Strobing Stars Brocades, Willows & Many More!!
- Authentic Italian Style Shells with A Color Break & Special Effects including Multiple Reports, Screaming Silver-Tail Whistles, Golden Serpents, Heavy Timed Reports, Tourbillions!
- Battle In The Clouds, Fish And Whistles, Serpents, Tourbillions, Gold Brocades, Red Waves, Silver Flashing Rings, Multi-Break Peanut Shells,
- Canister Shells, Titanium Salutes, Silver Dahlias, Red To Blue Peonies, Palm Trees, Chrysanthemums With Salutes That Strobe, Just To Name Just A Few.
- Five Shells Fired Simultaneously...Mini Barrages of Special Effects Such As Rings, Patterns, Brocades, Palm Trees, Assorted Colors & Salutes with Rising Tails.
- Four Shells Fired Simultaneously...Mini Barrages of Special Effects Such As Twinkling Kamuro with Long-Hanging Curtain effect, 3 Color-Changing Peony with Double Pistil & Tail, Large Trailing Tiger Tail to Peony
- A Tropical Island Sunrise of Colour!!
- Fort Knox Does Not have as much Gold as this Effect!
- Fast and Furious Semi-Blinding Crackling and Flashing Nirvana!!
- Blasting 250 Feet Of Air With A 3 Dozen Trilogy Of Triple Effects!
- Extremely Huge Sky Filling Bursts of Aqua Marine and Silver Pistils!!
- In The Far East Where the Sunset Meets The Sunrise.....This Is What it Looks Like in The Sky!
- Extreme-Rapid-Fire Assault With Color In The Near-Air
- Double Breaks Of Noise coupled with U.S.A Colors!
- An Amazing Array Of Crackling Bursts That Culminate With A Bang

**As The Brilliant Colors Are Illuminating The Night Sky Your Crowd Will Be Witnessing The Difference That Sets Us Apart. Our Exclusive Effects, Not Seen In Most Displays, Coupled With Our "Talented Shooters" Will Have Your Crowd Delighted Long After They Have Left The Parking Areas. Our Material Consisting Of The Finest Quality Shells Complimented With Your Custom Designed Display Will Ensure You An Exhibition Of "Fire-In-The-Sky" That Is Truly Magnificent!**

**Grand Finale****Total Shots:** 1,157

3 Inch Shells	Shell Type	Quantity of Shots
	Finale-Assorted Color w/ Tails (10 Shells)	90
	Finale-Titanium Salutes (10 Shells)	90
	Finale -Red/White/Blue Peonies-w/Tails (10 Shells)	60
	Finale-Glittering Long-Duration Brocade w/Tails(10 Shells)	60

**Total Number of 3 Inch Shots** 300

4 Inch Shells	Shell Type	Quantity of Shots
	Finale-Assorted Color w/ Tails (10 Shells)	10
	Finale -Red/White/Blue Peonies-w/Tails (10 Shells)	10
	Finale-Glittering Long-Duration Brocade w/Tails(10 Shells)	10

**Total Number of 4 Inch Shots** 30

5 Inch Shells	Shell Type	Quantity of Shots
	Finale -Red/White/Blue Peonies-w/Tails (5 Shells)	5
	Finale-Glittering Long-Duration Brocade w/Tails(5 Shells)	10

**Total Number of 5 Inch Shots** 15

6 Inch Shells	Shell Type	Quantity of Shots
	Finale -Red/White/Blue Peonies-w/Tails (4 Shells)	8
	Finale-Glittering Long-Duration Brocade w/Tails(4 Shells)	4

**Total Number of 6 Inch Shots** 12

Cakes	Shell Type	Quantity of Shots
	600 Shot "V" Brocade Crown Salute	600
	100 Shot Quick Whistles	200

**Total Number of Cake Shots** 800

**You can expect the following types of effects in the closing portion of the show**

- A Simultaneous Mixture of Flower-Shaped Bursts of Assorted Color!
- Titanium Flash with Ear-Splitting Pounding Thunder Sound!!!
- SPECTACULAR Arrangement of Rapid-Fire Shells of Red, White & Blue Peonies with rising Color Talls & Whistles.
- Without A Doubt...A Magnificent Barrage Arrangement of Suspended Duration Glittering Brocade Diadems w/Sparkling Talls!
- Glittering Gold Exploding Brocade Diadems
- The Crowd Will Observe A Multitude of Instantaneous Ascending Silver Screaming Whistles

To experience the crescendo that is our "Signature" finale is an encounter with the arts that many describe as "Second to None". You will realize why our fans become our clients and our clients "Our Family"



## Bette's Bounces, LLC

1937 MacDade Blvd, Woodlyn, PA 19094  
Phone: 610-358-4772 Fax: 610-884-7999  
Website: www.bettesbounces.com Email: bettesbounces@rcn.com

### East Goshen Township

#### Jason Lang

1661 Paoli Pike

West Chester, PA 19380

Phone: (610)692-7171 3101

Cell Phone: (610)656-8718

Email: jlang@eastgoshen.org

Order No: 42612

Order Date: February 9, 2018

Written by: Matt

InvNo	Name	Qty	Total
INV781	Whacky Obstacle Course	1	\$399.00
P1192	Giant Dual Lane Slide	1	\$599.00
INV627	Animal Kingdom Toddler Town	1	\$399.00
160	Castle Moonbounce	1	\$199.00
IE121	Trackless Train - Electric (Includes Staffing)	1	\$799.00
INV506	World of Sports Game	1	\$399.00
P96	Wrecking Ball	1	\$599.00
P104	Carnival Booth	2	\$550.00
905	3'x8' Rectangular Table for carnival booths	3	\$0.00
708	4 Hour Attendant Giant Dual Lane Slide, Animal Kingdom Toddler Town, Castle Moonbounce, Whacky Obstacle Course, Wrecking Ball	5	\$600.00
INV97	High Striker (10ft)	1	\$199.00
512	High Striker (5ft)	1	\$0.00
P1353	Ring Toss	1	\$0.00
507	Tic Tac Toe	1	\$0.00
509	Crazy Hat	1	\$0.00
903	Generator power provided at no cost	3	\$0.00

Order Subtotal: \$4,742.00

Discount (20.00%): (\$828.40)

Delivery Charge: \$0.00

**TOTAL: \$3,913.60**

Amount Paid: \$0.00

Balance Due: \$3,913.60

Start Date & Time: Jun 30, 2018 4:00 pm

End Date & Time: Jun 30, 2018 8:00 pm

Delivery method: Delivery

Occasion: Community Day

Surface: Grass

#### Additional Notes:

Reserved By: Matt

50% Deposit Required to Secure Date

Rain Date of 7/1/2018

## Bette's Bounces & Carnival Attractions

### RENTAL AGREEMENT, RELEASE AND ASSUMPTION OF RISKS

#### TERMS AND CONDITIONS/WARRANTY

1. By accepting delivery of rented items, customer agrees to all terms and conditions shown on this rental contract. Customer acknowledges the s/he has received in good order all rented items and other goods listed on the contract.

2. Customer assumes full responsibility for all rented items, including their safe and proper use, operation, maintenance, and return to Bette's Bounces. Customer is responsible for all loss, damage or repair.

3. Retaking of Equipment: If customer fails to return all rented items upon agreed time, customer agrees to pay for all additional charges. If customer refuses to return rented items, the customer agrees that Bette's Bounces and its agents may take all reasonable actions necessary to recover rented items without prior notice or legal process.

#### RELEASE OF LIABILITY

4. Duty of Participants: It is recognized that some activities conducted by Bette's Bounces are hazardous to participants regardless of all feasible safety measures which we can take. All participants have a duty to act as a reasonable prudent person when engaging in the recreational activities which are offered by Bette's Bounces. I hereby covenant and agree not to:

A. Act in any way which shall interfere with the running or operation of Bette's Bounces when such activities conform to the rules and regulations of the State of Pennsylvania.

B. Engage in any harmful conduct or willfully or negligently engage in any type of conduct which contributes to or causes injury to any person.

C. To embark in any self initiated activity without first informing Bette's Bounces of my intentions and receiving permission from Bette's Bounces to engage in such self initiated activity.

5. I understand and acknowledge that the activity which I am about to voluntarily engage in as a participant bears certain known risks and unanticipated risks. Those risks include, but are not limited to falling, slipping, crashing and colliding and could result in injury, illness, disease, emotional distress, death and/or property damage to myself or my guests and invitees.

6. In consideration of the services and or property provided, I for myself and any minor children for which I am the parent, legal guardian or otherwise responsible, any heirs, personal representatives or assign, do hereby release Bette's Bounces, it's principals', directors, officers, agents, employees and volunteers from any liability and waive any claim for damages arising from any cause whatsoever (except that which is gross negligence).

7. Rules: Lessee agrees to supervise both the equipment and its use at all times said equipment is in the possession of the lessee. Accompanying this contract is a set of directions for use and safety rules that I agree to follow and utilize at all times during the operation and use of the interactive inflatable game.

Lessee Initial Here \_\_\_\_\_ I have been explained the following: Water Slides that have a pool liner attached shall not be removed. By removing this liner, it creates an unsafe ride, therefore Bette's Bounces & Carnival Attractions and it's employee's will not be responsible for any injuries occurring.

#### **HARMLESS PROVISIONS**

8. Lessee agrees to indemnify and hold lessor harmless from any and all claims, actions, suits, proceeding costs, expenses, damages and liabilities, including reasonable attorney's fees arising by reason of injury, damage or death to persons or property, in connection with or resulting from the usage of equipment including but not limited to the manufacture, selection, delivery, possession, use, operation, or return of the equipment.

9. Lessee hereby releases and holds harmless lessor from injuries or damages incurred as a result of the use of said equipment unless lessor is operating the equipment and is deemed by a court of law to be negligent in its actions. Lessor cannot under any circumstances be held liable for injuries as a result of acts of God, nature, or other conditions beyond its control or knowledge. Lessee also agrees to indemnify and hold harmless lessor from any loss, damage, theft, or destruction of the equipment during the term of this contract and any extension thereof.

#### **DUTY TO MITIGATE**

10. In the event of injury, damage or loss due to lessor's negligence, lessee agrees and assumes the duty to mitigate all costs resulting from said injury, damage or loss.

#### **DISCLAIMER OF CONSEQUENTIAL DAMAGES**

11. By signing this contract, lessee agrees to forego seeking any consequential damages in the event of any injury, damage or loss due to lessor's negligence. *I acknowledge and certify that I have had sufficient opportunity to read this entire document, that I understand its content and that I execute it freely, intelligently and without duress of any kind and agree to be bound by its terms.*

LESSEE:

\_\_\_\_\_

Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **Bette's Bounces & Carnival Attractions**

### **SAFETY RULES & OPERATING INSTRUCTIONS**

- \* Insure that all safety rules and operating instructions posted on the front of the inflatable are followed.
- \* A trained operator(s) must be on duty at all times.
- \* In case of high winds or storms, have all persons exit the inflatable and then unplug the unit and let it deflate.
- \* Remove all sharp or pointed objects from pockets
- \* No Silly String is to come in contact with the inside or outside of the unit
- \* No food, drinks or gum chewing allowed
- \* Remove shoes, eyeglasses and jewelry
- \* No flips, somersaults, rough play, piling on or wrestling
- \* Do not bounce against sides or near the front entrance way. Do not bounce into corner posts.
- \* Do not climb on side walls or nets
- \* Keep a safe distance between kids bouncing in the inflatable
- \* No jumping or sitting on the entrance ramp
- \* No jumping off of the top of the slide
- \* Only allow similar sized riders in the inflatable at once
- \* Follow the maximum number of riders guidelines as posted on the inflatable
- \* Follow the maximum weight limit as posted on the inflatable
- \* Do not let the inflatable rub up against any surface
- \* Do not move the bounce from the location where set up
- \* Individuals with head, neck or back injuries or disabilities, pregnant women, small infants, and others who may be susceptible to injury from falls, bumps, or bouncing are not permitted in the unit at any time.
- \* Water hoses or water must not be used in the inflatable unless specifically manufactured for use with water.
- \* If the inflatable starts to deflate, have all riders exit immediately and then check for one of the following conditions:
  - \* the blower motor has stopped; in which case check the power cord connection at the outlet to make sure that it has not been unplugged. If not, check to make sure a circuit breaker was not tripped.
  - \* If blower motor continues to run; check for blockage of air intake screen on the side of the blower unit. Also check all air tubes on the back of the inflatable for snugness and tighten ties if necessary.
- \* If either of these steps corrects the problem, fully re-inflate the unit prior to permitting anyone to use it.
- \* If you cannot correct the problem, call our office at 610.358.4772

Rain/Weather Cancellations: We don't charge for cancellations due to weather. You must cancel by 8am the morning of the event in order to be refunded.  
Deposits: Are non refundable, but transferable for a one year period of time.

**\*\$500 CHARGE FOR SILLY STRING USED IN INFLATABLE!!!**

**\*NO PERSONAL CHECKS ACCEPTED!**

Rental Agreement for Order # 42612

---

I agree to follow and utilize these Safety Rules & Operating Instructions at all times during the operation and use of the interactive inflatable game.

Customer Name (please print): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## Jason Lang

---

**From:** onestoppartyshop@comcast.net  
**Sent:** Tuesday, February 13, 2018 10:34 AM  
**To:** jlang@eastgoshen.org  
**Subject:** Your Quote from One Stop Party Shop - Quote #2248



One Stop Party Shop

QUOTE #2248:

**Your Quote:**

Please Note: This quote is for informational purposes only. **The inventory has not been reserved.** Please place an order online or call our office to reserve this date. Weekends fill up fast so reserve early for best selection.

Please Note when reserving: Deposits are nonrefundable

510 E. Barnard St. Unit 59

West Chester, Pa 19382 **Important Information - Please Read Below!**

610-431-1203

onestoppartyshop.biz

East Goshen Township

Jason Lang

1661 Paoli Pike

West Chester, PA 19380

jlang@eastgoshen.org

610-692-7171/610-692-7171

Quote Created by: Perry Camerlengo

Customer Comments: 7 EVENT STAFF IS FOR 6 INFLATABLES & TRACKLESS TRAIN OPERATOR - RAIN DATE JULY 1ST

		Sat, Jun 30 4:00 - 8:00 pm
<input type="checkbox"/>	Double Lane Dry Slide	\$500.00 x 1 = \$500.00
<input type="checkbox"/>	Barnyard Petting Zone Toddler Bounce	\$250.00 x 1 = \$250.00
<input type="checkbox"/>	Plain Jumper	\$250.00 x 1 = \$250.00
<input type="checkbox"/>	40' Caustic Obstacle Course	\$400.00 x 1 = \$400.00
<input type="checkbox"/>	Trackless Kiddie Train Ride	\$600.00 x 1 = \$600.00
<input type="checkbox"/>	World Of Sports	\$400.00 x 1 = \$400.00

<input checked="" type="checkbox"/>	Wrecking Ball	\$500.00 x 1 = \$500.00
<input checked="" type="checkbox"/>	Mini Clown Striker	\$75.00 x 1 = \$75.00
<input checked="" type="checkbox"/>	Hi-Striker	\$200.00 x 1 = \$200.00
<input checked="" type="checkbox"/>	Tic Tac Toe	\$40.00 x 1 = \$40.00
<input checked="" type="checkbox"/>	Ring Toss	\$40.00 x 1 = \$40.00
<input checked="" type="checkbox"/>	Can Smash	\$40.00 x 1 = \$40.00
<input checked="" type="checkbox"/>	Carnival Game Booths	\$60.00 x 3 = \$180.00
<input checked="" type="checkbox"/>	5500 Watt Generator	\$100.00 x 3 = \$300.00
<input checked="" type="checkbox"/>	Staff / Attendant	\$140.00 x 7 = \$980.00

SubTotal	\$4,755.00
Delivery fee - Yes I need Delivery	\$75.00 \$4,830.00
Tax: 0%	\$0.00 \$4,830.00

Total \$4,830.00

Min Payment Req'd \$1,449.00

Due \$4,830.00

A few tips and reminders: (PLEASE READ BELOW)

- 1) We accept cash and most credit cards (not AmEx). If paying with cash, please note that our drivers don't carry change. Payment is due at time of set up. Due to the number of returned checks we no longer accept checks as a form of payment.
- 2) Please call our office if you have stairs or a tiered backyard, so we can discuss setup options.
- 3) We can set up on most surfaces but not rocks or slicker patches of any kind. If this type of topography is all you have, please rent "tarping 3 thick" under concessions and add-ons and/or tarp 3 thick before our delivery/setup. Please call us if you are unsure.
- 4) All inflatable units MUST be staked in the ground for safety. If this is not possible, you will need to select jumper placement to be around secure items that we can tie off to, i.e. telephone poles, fence posts, etc. The unit must be secured on atleast 3 corners. Sandbags are not safe for most setups and as a result we do not use them.
- 5) We will call you the day before your event with a set up time (we sometimes have to arrive very early to get all of the jumps out on time but we do not charge for the extra time)
- 6) Please call as early as possible if you need to cancel for weather or any other reason. Once we've set up, we do not give refunds for any reason including weather. Please see the FAQ and Policies pages on our web site.
- 7) If your event will be at a park. Please tell us. It affects our scheduling and your pricing. You will need to either provide electricity within 50' or rent a generator which we can provide at an additional cost.

We want your party to go as smoothly as possible. Please call if you have any questions. Thanks!

# Memo

## East Goshen Township

Date: March 14, 2018  
To: Board of Supervisors  
From: Rick Smith, Township Manager  
Re: Township Building Improvements – Wash Bay

As requested I issued an RFP for a professional consultant to develop plans & specifications and bid documents for the wash bay. The project is divided into three phases: Phase 1 – Design, Phase 2- Bid/Contract Documents, and Phase 3 – Construction Services. I asked for costs for Phases 1 and 2. I did not ask for a cost for Phase 3, since there are some unknowns with the stormwater management, which could affect the amount of inspection that will be required.

We received three responses to the RFP.

Remington & Vernick, Conshohocken PA  
Phase I- \$40,750      Phase 2 - \$10,700      Total \$51,450

Pennoni Associates  
West Chester, PA  
Phase 1- \$63,000      Phase 2 - \$5,000      Total \$68,000

Carroll Engineering  
Warrington PA  
Phase 1- \$34,202      Phase 2 - \$83,989      Total \$118,191

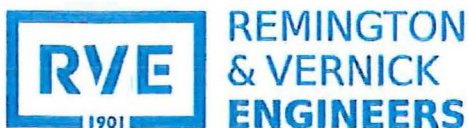
I also asked for references for similar projects. I contacted the references for Remington & Vernick listed below and received positive responses.

Hamilton Township Municipal Authority, Chambersburg, PA - Designed a maintenance building with a wash bay in 2007.

Borough of Paramus, New Jersey – Provided mechanical, electrical & plumbing designs, and structural & civil engineering for a 50,000 sq. ft. maintenance garage in 2016.

Borough of Phoenixville, PA – provide engineering and construction management service for streets department building. Building is still under construction.

Motion - I move that the Board accept the proposal from Remington and Vernick in the amount of \$51,450.



922 Fayette Street  
Conshohocken, PA 19428  
O: (610) 940-1050  
F: (610) 940-1161

March 8, 2018

**EAST GOSHEN TOWNSHIP**

1580 Paoli Pike  
West Chester, PA 19380-6199

**Attn: Rick Smith, Township Manager**

**Subj: Request for Proposals  
Professional Consultant to Develop Plans & Specifications  
Wash Bay to be Constructed at the Township Building**

Dear Mr. Smith:

**REMINGTON & VERNICK ENGINEERS (RVE)** is pleased to submit this proposal to provide engineering and construction support services for a new Wash Bay at the East Goshen Township Building. This submission has been prepared in accordance with the requirements set forth in the Township's Request for Proposals (RFP), issued February 9, 2018.

We are one of the oldest, established consulting engineering firms in the country, founded in 1901 by J.C. Remington. Our professional engineering staff represents a diverse group of public and private clients. **We have served some of these clients for more than a century!**

The professional staff available to support East Goshen Township includes experts in all areas of engineering and construction management support. Service is what sets us apart. Our staff delivers attentive, responsive, professional services. The staff applies its knowledge, creativity and commitment to meet the varied and complex needs of our County clients.

You will find all the information requested in this proposal. We begin with the cost and scope of our services, along with a proposed project schedule. Then you will find more detailed information on RVE's capabilities and the experience of the project team we have selected to support this project in East Goshen.

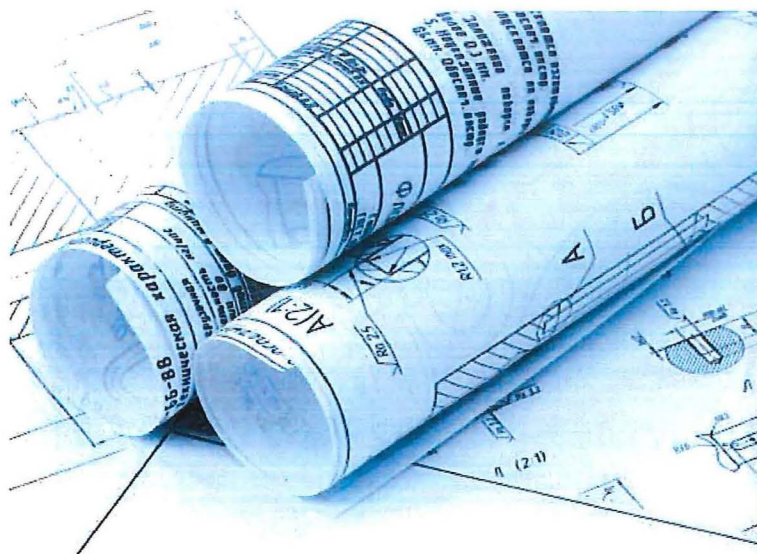
RVE is the personnel and abilities to complete the services required and construct the new Wash Bay at the Township Building. We trust the information provided deems us qualified. Should you have any questions or require additional information, please do not hesitate to call at (609) 645-7110.

Sincerely,

**REMINGTON & VERNICK ENGINEERS**

By

Edward Vernick, PE, CME  
President



# TABLE OF CONTENTS

Wash Bay  
Township Building

TOWNSHIP OF EAST GOSHEN  
CHESTER COUNTY, PENNSYLVANIA



## ARCHITECTURAL & ENGINEERING CONSULTING SERVICES

### Section

#### 1 TECHNICAL PROPOSAL

DETAILED BREAKDOWN OF PROJECT COSTS	Page   2
SCOPE OF SERVICES	Page   2
SAMPLE STANDARD CONTRACT	Page   4
PROJECT SCHEDULE	Page   4
MUNICIPAL REFERENCES	Page   4
THE RVE TEAM	Page   5
EXPERIENCE & KNOWLEDGE	Page   8
LOCATION OF OFFICE TO SUPPORT THE CONTRACT	Page   14

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#### 2 PROJECT TEAM RESUMES

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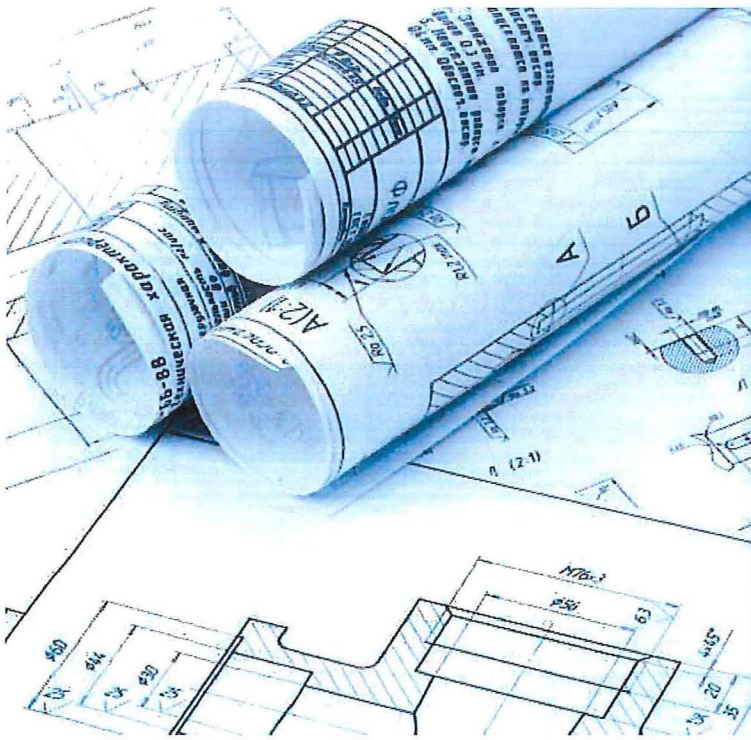
#### 3 PROJECT EXPERIENCE

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#### 4 SAMPLE CONTRACT

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## SECTION 1 TECHNICAL PROPOSAL

Wash Bay  
Township Building

TOWNSHIP OF EAST GOSHEN  
CHESTER COUNTY, PENNSYLVANIA



### PROFESSIONAL CONSULTANT SERVICES

Remington & Vernick Engineers (RVE) is one of the oldest, established consulting engineering firms in the country, founded in 1901 by J.C. Remington. Our professional engineering staff represents a diverse group of public and private clients. *We have served some of these clients for more than a century!*

The *Engineering News Record* consistently ranks the firm in the top 300 design firms and top 100 construction management firms in the nation. The *Philadelphia Business Journal* lists the company as one of the top 10 engineering firms in the tri-state area. These achievements attest to the professionalism and commitment to quality the firm has possessed throughout its century in business.

Today, our team of highly skilled, committed professionals takes great pride in the work they do . . . recognizing it proclaims their leadership and expertise in serving our diverse clients

***RVE offers the Township of East Goshen the services and experience presented in this proposal. As requested, we start with a detailed breakdown of the costs, the services to be performed and a proposed project schedule.***

#### EXPERTISE ACROSS THE BOARD



Pre-Design Work



Site Analysis Services



Schematic Design



Design Development



Cost Estimating



Construction Documents



Post-Construction  
Administration



Structural Engineering



Civil Engineering



Mechanical, Plumbing &  
Fire Protection Engineering  
Electrical & Lighting  
Engineering



Geotechnical Engineering



Soils Testing



Phase I & II Environmental  
Assessments

*Specific details of our specific service capabilities are provided later in this section for your review*



J.C. REMINGTON  
FOUNDER & ENGINEERING PIONEER

*"Let the Work  
Proclaim the people..."*

**The role of the Consulting Engineer remains constant:  
To responsively serve and realize the needs of the  
public sector in a precise, timely and cost-effective  
manner.**





## DETAILED BREAKDOWN OF PROJECT COSTS

Phase 1 Design:	\$40,750.00
Phase 2 Contract Documents & Bidding:	\$10,700.00
Phase 3 Construction Services:	\$25,460.00
<i>(This one may be awarded separately per the RFP)</i>	

## SCOPE OF SERVICES

The general scope of engineering services for this project will include the preparation of design documents for the proposed construction of the new Wash Bay Addition located in East Goshen Township, PA. The building will be connected to the existing Township Building. The proposed structure will be approximately 24 feet by 50 feet with brick facing exterior finishes and roof configurations to match the existing building. The detailed breakdown of the Scope of Work as listed in the Request for Proposals is included in our Scope of Engineering Services for this project. The tasks will be completed in the following project phases.

### Phase 1: Design

Provide design information to the Township for their review. The following tasks will be included.

1. Review any existing drawings on the Township building.
2. Perform a site visit to verify the existing site conditions.
3. Coordinate with the Township to prepare a concept building and site layout plan.
4. Review and use any available existing geotechnical information from previous investigations at this site.
5. Survey
  - a. Provide a topographic partial survey of the site.
  - b. Survey will include verification of existing property corners and setting any new corners as required.
6. Mechanical
  - a. Perform HVAC heating, cooling, & ventilation calculations in accordance with all applicable codes and standards.
  - b. Investigate the adequacy of the existing mechanical systems to determine the ability of these systems to service the new addition.
  - c. Design HVAC system, including all equipment, ductwork, controls, piping, and accessories.
  - d. Provide Mechanical designs in accordance with all applicable codes and standards.
7. Plumbing:
  - a. Investigate the adequacy of the existing plumbing systems to determine the ability of these systems to service the new addition.
  - b. Design/specify plumbing fixtures such as floor drains, hose bibs, wash down hose, mop sink, and an electric gas or water heater.
  - c. Design water distribution piping and hot water systems.
  - d. Provide Plumbing designs in accordance with all applicable codes and standards.
8. Electrical:
  - a. Investigate the adequacy of the existing electrical systems to determine the ability of these systems to service the new addition.
  - b. Perform calculations of lighting levels, power distribution, and other electrical calculations required to design the project.
  - c. Design the lighting system, fire alarm system, generators/backup power, power distribution system, and IT/Data system distribution to support the proposed building.
9. Fire Protection:
  - a. Investigate the adequacy of the existing fire suppression system to determine the ability of these systems to service the new addition.





10. Civil/Site
  - a. Determine the extent of the existing underground storm water management basin that needs to be relocated to accommodate the addition.
  - b. Investigate options to re-configure the basin to maintain the existing capacity.
11. Structural
  - a. Provide structural design for the foundations, roof framing, and wall framing of the proposed wash bay addition.
  - b. Provide miscellaneous structural plans, details and specifications as required for any site or building improvements.
12. Prepare budget construction cost estimates.
13. Prepare a complete set of building plans and details for construction.
14. Prepare a complete set of building specifications for construction.
15. Submit completed plans and specifications to the Township for coordination, review and approval.
16. Revise the plans and specifications to address any comments from the Township.
17. Provide signed and sealed plans for any required reviews or permitting.

### **Phase 2: Bid/Contract Documents**

Based on the approved design plans and specifications, prepare construction plans and specifications for the bidding of the proposed project. The final design documents will incorporate comments received from the design submission. The following structural tasks will be included:

1. Submit final bidding documents to Township for final review.
2. Finalize all bid documents.
3. Advertise the project for bid using PennBid.
4. Respond to bidder's questions.
5. Issue Addenda to clarify the scope of work, if required.
6. Review bids and provide award recommendation. Submit plans to the local code official as required.
7. Attend bid opening, review project bids and provide an award recommendation.

### **Phase 3: Construction Services**

The following services will be provided during the construction services phase:

1. Set up and conduct the pre-construction meeting with the contractor and the Township.
2. Attend project coordination meetings with contractor during construction.
3. Prepare agenda and meeting minutes for all project meetings.
4. Provide monthly progress reports to the Township.
5. Review all shop drawing submissions to verify compliance with the contract documents.
6. Review all change order requests.
7. Respond to Request for Information, including preparing necessary sketches to resolve unforeseen field conditions, if required.
8. Review all laboratory and test reports provided for this project.
9. Provide engineering support, periodic inspection, and direction during construction.
10. Provide observation of all performance testing required by the specifications.
11. Review payment requests and provide recommendation for payment.
12. Prepare punch list prior to final inspection.
13. Set up final inspection and provide report of completed project, including as-built plans of the final project.
14. Complete project close out.

March 8, 2018

EGOS 0012

Board of Supervisors  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**RE: Request for Proposal  
Wash Bay at Township Building**

Dear Supervisors:

We are pleased to submit the following proposal for the above referenced project. Pennoni has a vast range of experience in the design of Publics Works Facilities including new facilities recently completed in Valley, Haverford and Lower Merion Townships.

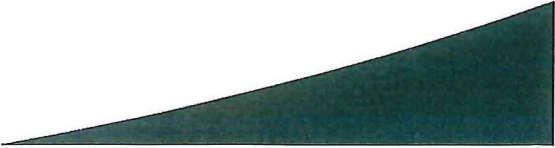
In accordance with the February 9, 2018 Request for Proposals, please find the following requested information and the associated costs for each of the Phases indicated:

Phase 1 – Design

Our anticipated scope of work within this Phase shall include:

1. Review available plans and perform site visits to verify key components, dimensions and elevations.
2. Investigate the adequacy of the existing electrical, mechanical, and fire suppression systems to determine the ability of these systems to service the new addition.
3. Determine the extent of the existing underground stormwater management basin that needs to be relocated to accommodate the addition.
4. Investigate options to re-configure the basin to maintain the existing capacity.
5. Prepare draft Architectural, Structural, Electrical, Plumbing, HVAC and Fire Protection drawings and details depicting the proposed addition and associated improvements.
6. Prepare a limited site plan depicting the location of the addition, existing features, key utilities and modifications to the stormwater management basin.
7. Meet with the Township to review the design and associated details.
8. Revise the plans to incorporate Township comments.
9. Provide two (2) sets of signed and sealed drawings.

Our estimated lumps sum fee to complete the above scope of services for Phase 1 is **\$63,000.**

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Please note, the above fee does not include any upgrade or re-design of the existing Electrical, Plumbing, HVAC or Fire Protection Systems to accommodate the new facility, meet current code requirements, or retrofit systems that are no longer supported by the manufacturer.

The design also does not include the reconfiguration nor extension of the Township's current building access/security system.

Phase 2 – Bid/Contract Documents:

Our anticipated scope of work within this Phase shall include:

1. Prepare plans and specifications for public bidding and review with Township.
2. Finalize bid documents.
3. Complete advertisement, post bid documents using PennBid.
4. Conduct one (1) pre-bid meeting; prepare meeting minutes.
5. Respond to questions from bidders.
6. Review submitted bids, prepare bid tabulation and award recommendation.

Our estimated lump sum fee to complete the above scope of services for Phase 2 is **\$5,000**.

Phase 3 – Construction Services:

The scope of work outlined under this Phase shall include:

1. Review of shop drawings for major components of the project.
2. Provide inspection services during construction as requested by the Township.
3. Attend pre- and post-construction meetings and interim meetings as requested by Township.
4. Complete a final inspection, prepare a punch list and complete a review of contract closeout documents.

An estimated fee will be provided to the Township upon request.

Other Items:

1. Sample Contract for Services:  
Please refer to Appendix A for Pennoni *Standard Terms and Conditions*.

2. Project Schedule:

*a. Phase 1- Design*

- i. Commencement of work: Within ten (10) days after Notice to Proceed
- ii. Completion of all tasks: Within ninety (90) days after commencement of work

*b. Phase 2 - Bid/Contract Documents*

- i. Tasks 1-2: Commence work within five (5) days after approval of design by Township; Complete work within fourteen (14) days.
- ii. Tasks 4-6: Concurrent with bidding process.

3. Municipal References:

Please refer to Appendix B for municipal references within the surrounding area.

Should you have any further questions, please contact me.

Sincerely,

**PENNONI ASSOCIATES INC.**



Nathan M. Cline, PE  
Township Engineer

cc: Mark Miller, Director of Public Works (via email)





March 9, 2018

Rick Smith, Township Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380-6199

rsmith@eastgoshen.org

Dear Mr. Smith:

Subject: Proposal for Professional Services; Vehicle Wash Bay

We propose to render professional engineering services in connection with the design for the Vehicle Wash Bay as described in detail in the Township's Request for Proposals dated February 9, 2018 (hereinafter called the "Project"). You are expected to furnish us with full information as to your requirements including any special or extraordinary considerations for the Project or special services needed, and also to make available all pertinent existing data.

Our engineering services will consist of preparing a Preliminary Design and Final Design Documents and assistance during the Bidding Phase. We shall provide Basic and Additional Services as set forth below.

A. Preliminary Design Phase Services

1. Prepare Preliminary Design documents consisting of final design criteria, preliminary drawings, outline specifications and written descriptions of the Project.
2. Provide necessary field surveys and topographic and utility mapping for design purposes. Utility mapping will be based upon information obtained from utility owners.
3. Based on the information contained in the Preliminary Design Phase documents, submit an opinion of probable Construction Cost.
4. Furnish two copies of the Preliminary Design Phase documents to and review them with the Township.

*Today's Commitment to Tomorrow's Challenges*

Corporate Office:  
949 Easton Road  
Warrington, PA 18976  
215.343.5700

630 Freedom Business Center  
Third Floor  
King of Prussia, PA 19406  
610.489.5100

101 Lindenwood Drive  
Suite 225  
Malvern, PA 19355  
484.875.3075

105 Raider Boulevard  
Suite 206  
Hillsborough, NJ 08844  
908.874.7500

- B. Final Design Phase Services. After acceptance by the Township of the Preliminary Design Phase documents and the opinion of probable Construction Cost, but subject to any Township-directed modifications or changes in the character or design requirements of or for the Project, we shall:
1. On the basis of the above acceptance and direction, prepare and furnish final Drawings indicating the scope, extent, and character of the Work to be performed and furnished by Contractor. Specifications will be prepared, where appropriate, in general conformance with the standard format of the Construction Specifications Institute.
  2. Prepare and furnish Bidding Documents for review and approval by the Township, its legal counsel, and other advisors, as appropriate.
  3. Advise the Township of any adjustments to the opinion of probable Construction Cost and any adjustments to the Total Project Costs known to us.
  5. Furnish two copies of the Final Design Phase (bidding/contract) documents to and review them with the Township.
- C. Bidding Phase Services
1. Assist the Township in advertising for and obtaining bids for the Work, maintain a record of prospective bidders to whom Bidding Documents have been issued, and attend the pre-Bid conference.
  2. Issue Addenda as appropriate to clarify, correct, or change the Bidding Documents.
  3. Attend the Bid opening, prepare Bid tabulation sheets, and assist the Township in evaluating Bids and in assembling and awarding contracts for the Work

We propose to perform the above described engineering services for a not-to-exceed fee of \$118,191.00 based on the following assumed distribution of compensation outlined in Exhibit "A" of this Agreement. Expenses including reproduction, advertising, mileage and tolls, postage, and photographs, will be billed as an extra to this proposal at our standard reimbursable expense rates. We would expect to start our services promptly after receipt of your acceptance of this proposal and to complete the Preliminary Design documents in accordance with the attached schedule. Our basic services will be considered complete upon commencement of the Construction Phase.

A property boundary survey of the existing plant site is not included in the above fees. The number of prime contracts for Work designed or specified by us upon which our compensation has been established under this Agreement is three.

Construction phase services including resident services during construction shall be compensated for either on a time-and-material basis as set forth in the attached Schedule of Rates or by means of a separate, individual contract for a negotiated fee.

East Goshen Township  
Page Three  
March 9, 2018

Additional Services. The following services are not included, but are available if required: public and/or regulatory agency meeting attendance, material testing, environmental assessments, providing assistance in resolving any Hazardous Environmental Condition, re-bidding of the project, Record Drawing preparation, preparation of applications and supporting documents for private or governmental grants, loans or advances in connection with the Project, preparation of zoning permit or other Township land development applications, and preparing to serve or serving as a consultant or witness for OWNER in any litigation, arbitration or other dispute resolution process related to the Project. If additional services are required, fees will be invoiced on the basis of our standard hourly rates in addition to the fee indicated.

The fees stated herein are for the basic engineering services described in this proposal. If additional services are required, fees will be invoiced on the basis of our standard hourly rates in addition to the basic fee stated.

This proposal, Exhibit "A", Exhibit "B", and the Standard Consulting Contracting Terms and Conditions attached represent the entire understanding between you and this office with respect to this project, and may only be modified in writing, signed by both of us. If this proposal satisfactorily sets forth your understanding of the arrangement between us, we would appreciate your signing the enclosed copy of this letter in the space provided below, and returning same to this office.

Thank you for this opportunity to work with you. Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

CARROLL ENGINEERING CORPORATION



Allen B. Mason, P.E.  
Senior Vice President

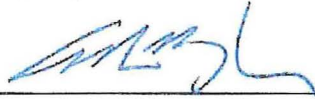
ABM:cam  
Enclosures



East Goshen Township  
Page Four  
March 9, 2018

Accepted this 9<sup>th</sup> day of March, 2018, for:

Carroll Engineering Corporation, by: Allen B. Mason, P.E.  
Name (Print)

  
Signature

Senior Vice President  
Title

Accepted this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for:

\_\_\_\_\_, by: \_\_\_\_\_  
Name (Print)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title



This is EXHIBIT "A", consisting of two pages, referred to in and part of the Agreement between EAST GOSHEN TOWNSHIP (OWNER) and CARROLL ENGINEERING CORPORATION (ENGINEER) for Professional Services dated March 9, 2018.

Initial: \_\_\_\_\_  
OWNER \_\_\_\_\_  
ENGINEER \_\_\_\_\_

**Payments to ENGINEER for Services and Reimbursable Expenses**

**COST PROPOSAL**

**Phase 1 – DESIGN**

1.	Review of Existing Plans and Conditions	\$ 1,500.00
2.	Site Visits and Measurements	\$ 3,106.00
3.	Preliminary Drawings <sup>1, 2</sup>	\$22,310.00
4.	Meeting with Township Staff	\$ 1,680.00
5.	Revisions to Preliminary Design Documents	\$ 5,606.00

**Phase 2 – BID/CONTRACT DOCUMENTS**

1.	Prepare Construction Documents and Specifications <sup>1</sup>	\$68,973.00
2.	Meeting with Township Staff	\$ 1,680.00
3.	Finalize Bid Documents	\$ 3,600.00
4.	Bidding Phase Services (including Pre-Bid Meeting, Responses to Bidder RFI's, Evaluation of Bids, etc.)	<u>\$ 9,736.00</u>

**Total Cost (Not to Exceed)** \$118,191.00

**Footnotes:**

<sup>1</sup>The RFP indicated that the HVAC design was to consider a heated floor as an alternative to gas powered infrared heaters. We will consider an electric radiant heating system alternative for the floors. Evaluations and/or design for a hydronic system would be completed as an Additional Service.

<sup>2</sup>While the RFP indicated that the existing sprinkler system is to be extended into the proposed wash bay, based on the building materials to be used, and the use, extension of the sprinkler system would not seem to be required by Code. It is assumed that the existing service or fire pump, if any, is appropriately sized to accommodate the proposed addition. Evaluations and/or design of new fire service piping or upgrades to the pumping system, if needed, would be completed as an Additional Service.

**BOARD OF SUPERVISORS**  
EAST GOSHEN TOWNSHIP  
CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

March 12, 2018

To: Board of Supervisors

From: Mark Miller

Re: Mower Replacement

We are scheduled to replace two Z Radius Mowers. Both mowers are fully depreciated. We budgeted 20,000.00 to replace the mowers. I contacted two local vendors for COSTARS pricing. Below is a cost breakdown.

Vendor	Make /Model	Price without trade-in	Price with trade-in
Conway Power	Ex-Mark 60" deck	\$23,308.00	\$17,308.60
		\$11,654.30 each	\$6000.00 total trade
Power Pro Equip.	Hustler Super Z 60"	\$24,350.00	\$17,250.00
	deck	\$12,175.00 each	\$7,100.00 total trade

I recommend that we purchase the two Hustler Super Z mowers from Power Pro Equipment in the amount of \$17,250.00

**BOARD OF SUPERVISORS**  
EAST GOSHEN TOWNSHIP  
CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

March 12, 2018

To: Board of Supervisors

From: Mark Miller

Re: Roller Purchase

We budgeted 50,000.00 to replace our 1997 roller, which is fully depreciated. I have received prices for a new roller from two vendors below. The pricing is on COSTAR contract.

Vendor	Make /Model	Purchase Price
Penn Jersey Machinery	DD35B Volvo	\$57,000.00
	asphalt compactor	
	54 inch drums	
Ransome Cat	CB36B Cat Vibratory	\$63,48.00
	roller 55 inch drums	
Stephenson Equipment	Bomag 138	\$48,000.00

Both vendors offered us \$1,500.00 for our roller. I feel that number is very low and recommend that we put our roller on municipal bid for \$10,000.00. At this price point, the net replacement cost would be under budget.

I would recommend that we purchase the Bomag roller for \$48,000.00

# Memo

## East Goshen Township

Date: March 12, 2018  
To: Board of Supervisors  
From: Rick Smith, Township Manager  
Re: King Road and Sproul/North Chester Road Intersection Project

Last year, both East Goshen and East Whiteland Townships engaged McMahon Associates to update the 2005 Traffic Study that McMahon had prepared on what can be done to reduce the traffic backups that occur at the King Rd-Sproul/N Chester Road intersection. McMahon determined that we could improve the intersection by adding a left turn lane at all of the approaches. While this would not correct the geometry of the intersection, which in itself lengthens the signal cycles, it would allow us to eliminate the split phasing on King Road, under which westbound King Road traffic and eastbound King Road traffic each have separate signal movements. Both the geometry of the intersection and the split phasing result in longer traffic signal cycles, which in turn causes traffic to back up on all of the approaches. The estimated cost of the proposed project is just over \$2 million.

McMahon also advised that the PennDOT rules have changed since 2005 and that we should look at alternatives to the above improvements, especially if we intended to seek grant money to fund them. Accordingly, McMahon also developed a concept plan for a roundabout, which from a traffic perspective would work better than the adding left turn lanes. McMahon will need to develop a cost estimate for the “round about”.

On March 9<sup>th</sup>, we met with PennDOT to discuss the King Road and Sproul/North Chester Road Project. PennDOT concurred that we needed to look into the roundabout alternative, but recognized that it may not be feasible.

There is grant money available for intersection projects; however, the process is very competitive. Roundabouts are the new “hot ticket,” so a roundabout project would probably score higher in the grant process than a typical road widening and signalization project.

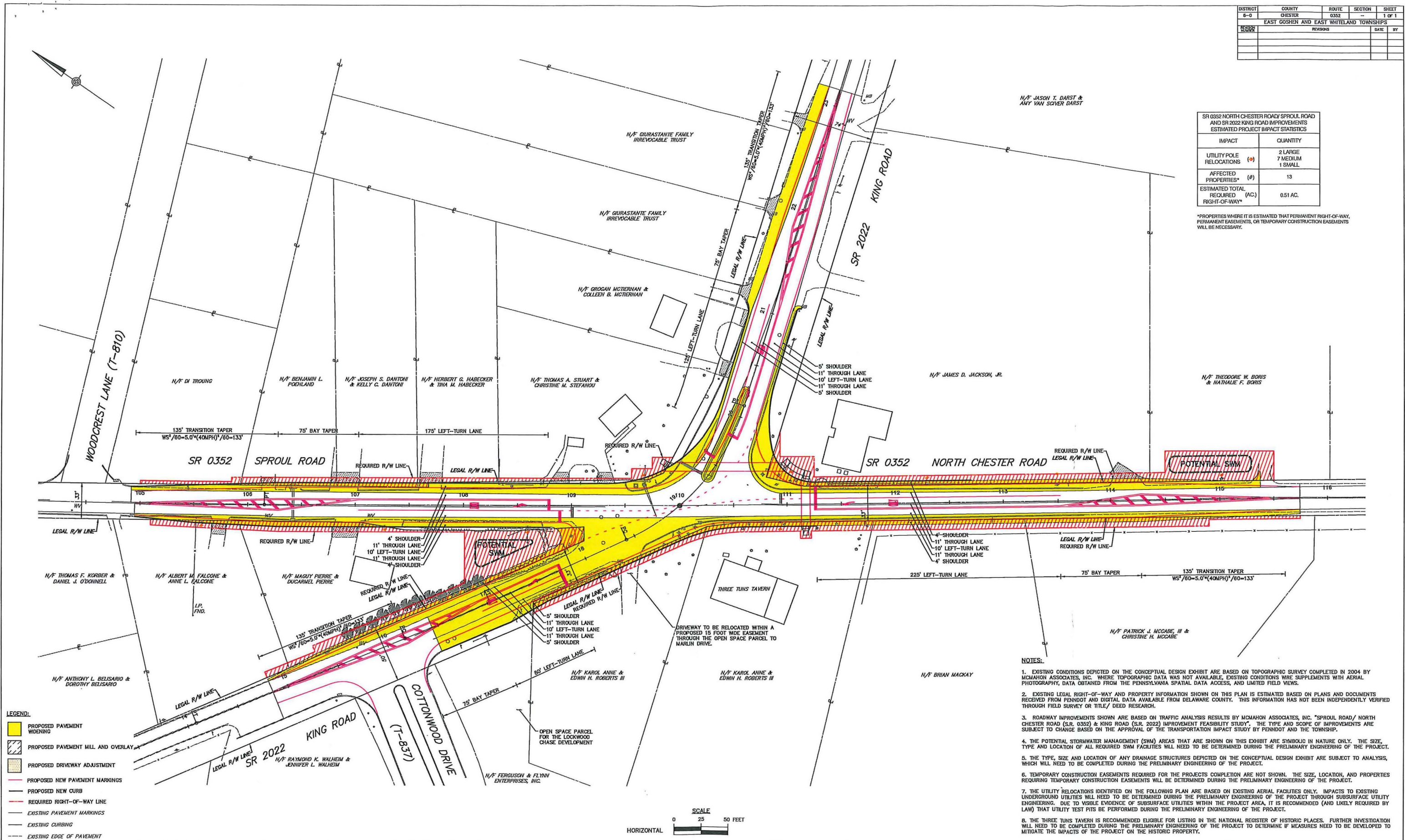
I would suggest that the next step would be to schedule a meeting to solicit public comment from the property owners who would be directly impacted by this project.



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	CHESTER	0352	--	1 OF 1
EAST GOSHEN AND EAST WHITELAND TOWNSHIPS				
REVISION NUMBER	REVISIONS		DATE	BY

SR 0352 NORTH CHESTER ROAD SPROUL ROAD AND SR 2022 KING ROAD IMPROVEMENTS ESTIMATED PROJECT IMPACT STATISTICS	
IMPACT	QUANTITY
UTILITY POLE RELOCATIONS (#)	2 LARGE 7 MEDIUM 1 SMALL
AFFECTED PROPERTIES* (#)	13
ESTIMATED TOTAL REQUIRED RIGHT-OF-WAY* (AC)	0.51 AC.

\*PROPERTIES WHERE IT IS ESTIMATED THAT PERMANENT RIGHT-OF-WAY, PERMANENT EASEMENTS, OR TEMPORARY CONSTRUCTION EASEMENTS WILL BE NECESSARY.



- LEGEND:**
- PROPOSED PAVEMENT WIDENING
  - PROPOSED PAVEMENT MILL AND OVERLAY
  - PROPOSED DRIVEWAY ADJUSTMENT
  - PROPOSED NEW PAVEMENT MARKINGS
  - PROPOSED NEW CURB
  - REQUIRED RIGHT-OF-WAY LINE
  - EXISTING PAVEMENT MARKINGS
  - EXISTING CURBING
  - EXISTING EDGE OF PAVEMENT

**NOTES:**

1. EXISTING CONDITIONS DEPICTED ON THE CONCEPTUAL DESIGN EXHIBIT ARE BASED ON TOPOGRAPHIC SURVEY COMPLETED IN 2004 BY MCMAHON ASSOCIATES, INC. WHERE TOPOGRAPHIC DATA WAS NOT AVAILABLE, EXISTING CONDITIONS WERE SUPPLEMENTED WITH AERIAL PHOTOGRAPHY, DATA OBTAINED FROM THE PENNSYLVANIA SPATIAL DATA ACCESS, AND LIMITED FIELD VIEWS.
2. EXISTING LEGAL RIGHT-OF-WAY AND PROPERTY INFORMATION SHOWN ON THIS PLAN IS ESTIMATED BASED ON PLANS AND DOCUMENTS RECEIVED FROM PENNDOT AND DIGITAL DATA AVAILABLE FROM DELAWARE COUNTY. THIS INFORMATION HAS NOT BEEN INDEPENDENTLY VERIFIED THROUGH FIELD SURVEY OR TITLE/DEED RESEARCH.
3. ROADWAY IMPROVEMENTS SHOWN ARE BASED ON TRAFFIC ANALYSIS RESULTS BY MCMAHON ASSOCIATES, INC. "SPROUL ROAD/ NORTH CHESTER ROAD (S.R. 0352) & KING ROAD (S.R. 2022) IMPROVEMENT FEASIBILITY STUDY". THE TYPE AND SCOPE OF IMPROVEMENTS ARE SUBJECT TO CHANGE BASED ON THE APPROVAL OF THE TRANSPORTATION IMPACT STUDY BY PENNDOT AND THE TOWNSHIP.
4. THE POTENTIAL STORMWATER MANAGEMENT (SWM) AREAS THAT ARE SHOWN ON THIS EXHIBIT ARE SYMBOLIC IN NATURE ONLY. THE SIZE, TYPE AND LOCATION OF ALL REQUIRED SWM FACILITIES WILL NEED TO BE DETERMINED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT.
5. THE TYPE, SIZE AND LOCATION OF ANY DRAINAGE STRUCTURES DEPICTED ON THE CONCEPTUAL DESIGN EXHIBIT ARE SUBJECT TO ANALYSIS, WHICH WILL NEED TO BE COMPLETED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT.
6. TEMPORARY CONSTRUCTION EASEMENTS REQUIRED FOR THE PROJECTS COMPLETION ARE NOT SHOWN. THE SIZE, LOCATION, AND PROPERTIES REQUIRING TEMPORARY CONSTRUCTION EASEMENTS WILL BE DETERMINED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT.
7. THE UTILITY RELOCATIONS IDENTIFIED ON THE FOLLOWING PLAN ARE BASED ON EXISTING AERIAL FACILITIES ONLY. IMPACTS TO EXISTING UNDERGROUND UTILITIES WILL NEED TO BE DETERMINED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT THROUGH SUBSURFACE UTILITY ENGINEERING. DUE TO VISIBLE EVIDENCE OF SUBSURFACE UTILITIES WITHIN THE PROJECT AREA, IT IS RECOMMENDED (AND LIKELY REQUIRED BY LAW) THAT UTILITY TEST PITS BE PERFORMED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT.
8. THE THREE TUNS TAVERN IS RECOMMENDED ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES. FURTHER INVESTIGATION WILL NEED TO BE COMPLETED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT TO DETERMINE IF MEASURES NEED TO BE DEVELOPED TO MITIGATE THE IMPACTS OF THE PROJECT ON THE HISTORIC PROPERTY.



840 SPRINGDALE DRIVE  
EXTON, PA 19341  
PH: (610) 594-9995  
FAX: (610) 594-9565

DESIGN BY: JHW  
DRAWN BY: JHW  
CHECKED BY: JJK  
DATE: 7/20/2017

EAST GOSHEN TOWNSHIP  
1580 PACHU PIKE  
WEST CHESTER, PA 19380  
(610) 692-7171

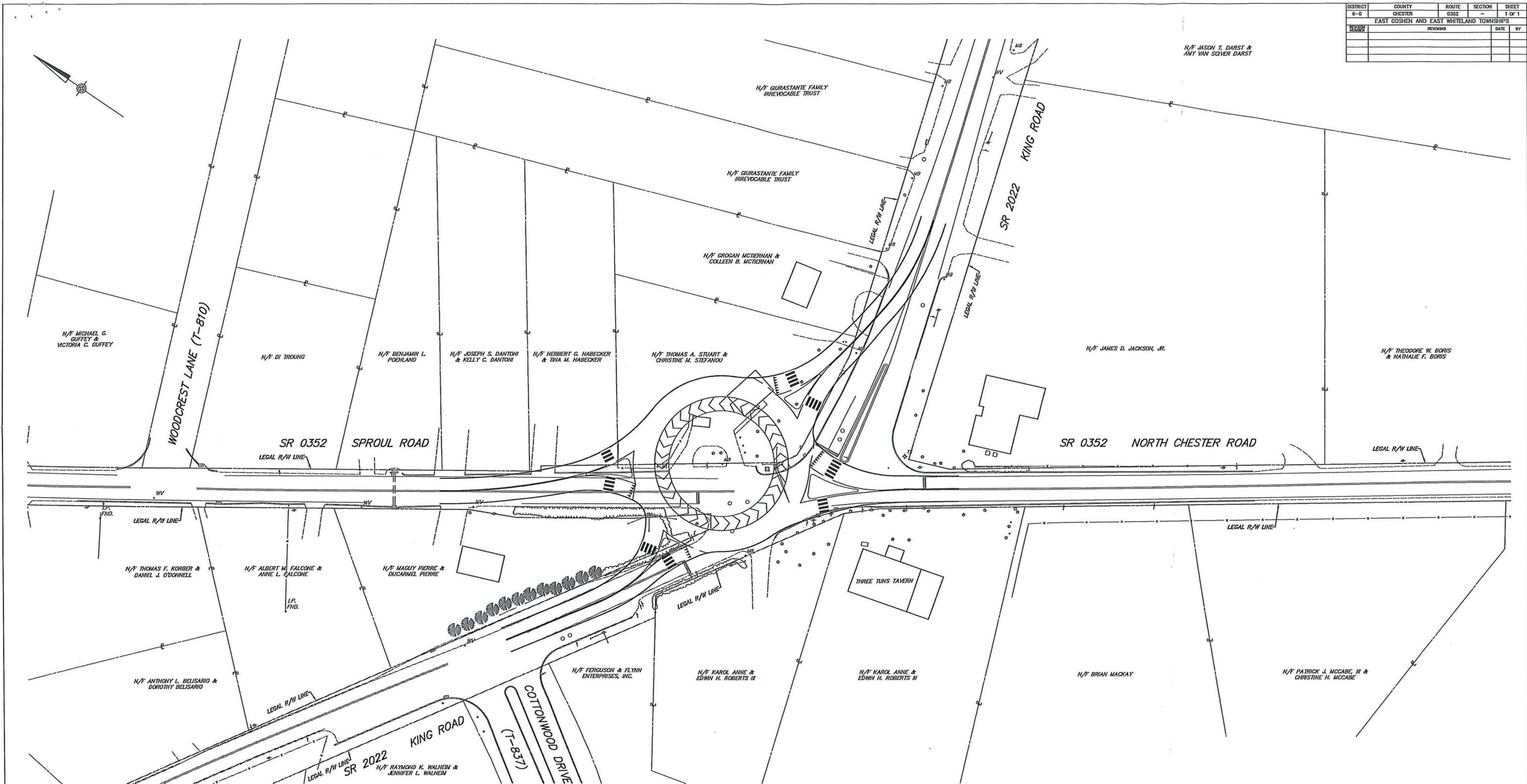
EAST WHITELAND TOWNSHIP  
209 CONESTOGA ROAD  
FRAZER, PA 19355  
(610) 848-0600

IMPROVEMENT FEASIBILITY STUDY FOR THE INTERSECTION OF  
NORTH CHESTER ROAD/ SPROUL ROAD (S.R. 0352) AND KING ROAD (S.R. 2022)  
EAST GOSHEN AND EAST WHITELAND TOWNSHIPS

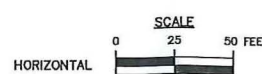
CHESTER COUNTY  
CONCEPTUAL DESIGN EXHIBIT  
(NOT FOR CONSTRUCTION)



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	CHESTER	0352	—	1 OF 1
EAST GOSHEN AND EAST WHITELAND TOWNSHIPS				
REVISION	REVISIONS	DATE	BY	



**LEGEND:**  
 — EXISTING PAVEMENT MARKINGS  
 — EXISTING CURBING  
 — EXISTING EDGE OF PAVEMENT



- NOTES:**
- EXISTING CONDITIONS DEPICTED ON THE CONCEPTUAL DESIGN EXHIBIT ARE BASED ON TOPOGRAPHIC SURVEY COMPLETED IN 2004 BY MCMAHON ASSOCIATES, INC. WHERE TOPOGRAPHIC DATA WAS NOT AVAILABLE, EXISTING CONDITIONS WERE SUPPLEMENTED WITH AERIAL PHOTOGRAPHY, DATA OBTAINED FROM THE PENNSYLVANIA SPATIAL DATA ACCESS, AND LIMITED FIELD VIEWS.
  - EXISTING LEGAL RIGHT-OF-WAY AND PROPERTY INFORMATION SHOWN ON THIS PLAN IS ESTIMATED BASED ON PLANS AND DOCUMENTS RECEIVED FROM PENNDOT AND DIGITAL DATA AVAILABLE FROM DELAWARE COUNTY. THIS INFORMATION HAS NOT BEEN INDEPENDENTLY VERIFIED THROUGH FIELD SURVEY OR TITLE/DEED RESEARCH.
  - THE CONCEPTUAL ROUNDABOUT DESIGN EXHIBIT IS PURELY CONCEPTUAL IN NATURE. NO DESIGN OR ANALYSIS HAS BEEN COMPLETED WITH REGARD TO HORIZONTAL & VERTICAL GEOMETRY, TRAFFIC, DRAINAGE, POST CONSTRUCTION STORMWATER MANAGEMENT, RIGHT-OF-WAY OR UTILITIES.
  - A FULL TRAFFIC ANALYSIS AND DETAILED CONCEPTUAL DESIGN PLAN WILL NEED TO BE DEVELOPED IN ORDER TO FURTHER INVESTIGATE THE ROUNDABOUT OPTION.
  - THE THREE TUNS TAVERN IS RECOMMENDED ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES. FURTHER INVESTIGATION WILL NEED TO BE COMPLETED DURING THE PRELIMINARY ENGINEERING OF THE PROJECT TO DETERMINE IF MEASURES NEED TO BE DEVELOPED TO MITIGATE THE IMPACTS OF THE PROJECT ON THE HISTORIC PROPERTY.

# Memo

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To: Board of Supervisors  
From: Jon Altshul  
Re: Updated Agreement with the Goshen Fire Company  
Date: March 13, 2018

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Attached please find a copy of the updated agreement between the Goshen Fire Company and the Township for your consideration. This agreement updates the 1987 Agreement, as amended, to reflect the current level of administrative and overhead services that the Township provides to the Fire Company.

**Recommended Motion:** Mr. Chairman, I make a motion to adopt the attached agreement with the Goshen Fire Company to provide overhead and support services.

## AGREEMENT

THIS AGREEMENT is made the \_\_\_\_\_ day of \_\_\_\_\_, 2018 between EAST GOSHEN TOWNSHIP (hereinafter referred to as "Township"), a township of the second class, located in Chester County, Pennsylvania, and GOSHEN FIRE COMPANY (hereinafter referred to as "Fire Company"), a Pennsylvania not-for-profit corporation, located at Park Avenue, East Goshen Township, Chester County, Pennsylvania.

WHEREAS, the Township and the Fire Company entered an Agreement dated May 5, 1987 (the "1987 Agreement") which outlined the terms and conditions under which the Township agreed to provide overhead and support services for paid employees of the Fire Company; and

WHEREAS, the 1987 Agreement was subsequently revised and amended in January of 2001 and then again in July of 2017 (collectively the "Amendments"); and

WHEREAS, the parties desire to amend and restate in its entirety the terms of the 1987 Agreement and Amendments in this Agreement;

NOW, THEREFORE, in consideration of the mutual promises herein contained, the parties hereto agree as follows:

1. **Definitions.**

A. **Collective Bargaining Agreement** – The Collective Bargaining Agreement between the Fire Company and The Goshen Professional Firefighters' Association IAFF Local 4752, January 1, 2014 through December 31, 2018, and any successor agreements.

B. **Paid Firefighters** - Employees of the Fire Company who work a minimum of forty (40) hours per week for the Fire Company on a permanent basis and who, during those work hours, devote their efforts exclusively to the business and operation of the fire protection and emergency response services afforded by the Fire Company.

C. **Other Paid Personnel** – Paid employees of the Fire Company who are not eligible for the benefits outlined in the Collective Bargaining Agreement. Other Paid Personnel may include, but are not limited to, part-time firefighters, emergency medical technicians and administrative professionals.

D. **Overhead and Support Services** - Those services provided by the Township to the Fire Company pursuant to the terms of this Agreement, including salary administration, insurance coverage, pension plan administration as hereinafter identified with more particularity.

2. **Overhead and Support Services** - The Township shall supply the following Overhead and Support Services for the Fire Company:

A. **Salary Administration** - The Township shall issue paychecks to the Paid Firefighters and Other Paid Personnel and shall prepare and file all financial and tax reports for the Paid Firefighters and Other Paid Personnel that would normally be required if the Township were their employer. As part of this service, the Township shall withhold union dues from the salary check for the Paid Firefighters in amounts as directed by the Fire Company. This salary administration service shall be provided for both Paid Firefighters and any Other Paid Personnel.

B. **Insurance** - The Township shall be the plan sponsor for all insurance products that the Paid Firefighters are entitled to receive pursuant to the Collective Bargaining Agreement. The Township shall pay the premiums for these insurance products as part of its group plan for all Township employees subject to reimbursement from the Fire Company pursuant to paragraph 4 below. Prior to entering any new Collective Bargaining Agreement, the Fire Company shall consult with the Township to determine if such benefits are available to the Township. The Township reserves the right to change insurance providers or plans provided that the insurance coverage and benefits provided are comparable to the coverage and benefits provided by the prior carrier and provider. The Fire Company is responsible for paying the cost of providing such insurance to the Paid Firefighters. The Township shall provide to the Paid Firefighters, Other Paid Personnel and any other members of the Fire Company who may be entitled by law to certain insurance coverage that the Township is required by law to provide, which as of the date of this Agreement is workers compensation and unemployment insurance. As part of the Overhead and Support Services that the Township provides to the Fire Company, the Township shall not make any determination as to whether or not a Paid Firefighter or Other Paid Personnel are entitled to a specific insurance coverage or benefit. The Township shall be solely responsible for being the plan sponsor and administrator. The Fire Company agrees to indemnify and hold the Township harmless for any dispute between an insurance provider and a Paid Firefighter.

C. **Pension Plan** - The Township shall continue to be the pension plan administrator of a defined benefit pension plan for Paid Firefighters which shall comply with the guidelines of the Commonwealth of Pennsylvania and shall be eligible for state financial support under the Municipal Pension Plan Funding Standard and Recovery Act, Act No. 205 of December 18, 1984, as amended, as is outlined in Township Ordinance 78, adopted May 5, 1987, and as amended in Township Ordinance 129-K-09, adopted on October 6, 2009, and again in Township Ordinance 129-K-11, adopted on October 18, 2011. As part of its duties in administering the pension plan, the Township shall withhold and remit weekly any required employee contributions to the investment manager of the pension plan.

D. **Deferred Compensation Plan** – The Township shall provide the Paid Firefighters with access to the Township’s Section 457 deferred compensation plan for both voluntary employee contributions and any employer contributions, as stipulated under the Collective Bargaining Agreement.

E. **Personnel Rules and Regulations Administration** – The Township shall track the sick leave, vacation leave, holiday compensation and personal time balances of all Paid Firefighters on a weekly basis and provide that information to the Fire Company upon request.

3. **Fire Company Responsibilities** - The responsibilities of the Fire Company with respect to the Paid Firefighters’ employment shall include, but not be limited to, the following:

A. The Fire Company shall promptly notify the Township of any signed employment agreements with new Paid Firefighters or Other Paid Personnel, as well as the termination of any Paid Firefighters or Other Paid Personnel.

B. The Fire Company shall promptly provide the Township with any successor agreement(s) to the Collective Bargaining Agreement and shall provide the Township with guidance on interpreting and/or implementing its provisions in a timely manner.

4. **Cost of Overhead and Support Services** - The parties agree and understand that the obligation of the Fire Company shall be to pay the actual costs attributable to the Overhead and Support Services being provided by the Township pursuant to this Agreement. The costs for the Overhead and Support Services described in this Agreement shall be based upon the actual cost of the program elements. In the case of staff support items which do not have separate costs attributable thereto, the Township shall estimate as carefully as possible the pro rata share of the total of such expenses attributable to the Paid Firefighters. The Township’s personnel costs for providing Overhead and Support Services shall be determined by adding the number of hours that Township staff spent on providing these services multiplied by the respective staff member’s hourly regular recharge rate, which includes both the employee’s hourly salary and benefit costs. The invoices that the Township submits to the Fire Company for reimbursement for wages and Overhead and Support Services provided to the Fire Company shall be payable by the Fire Company in quarterly installments upon statements rendered by the Township. The Fire Company’s pro-rata share of any insurance dividends that the Township receives from the Township’s participation in a pooled insurance trust (such as DVIT) shall be deducted from the invoice. The Fire Company shall send to the Township the reimbursement for the fourth quarter of any calendar year no later than 2:00pm on December 31<sup>st</sup>, so that the payment can be entered in the same calendar year that the expense was incurred.

5. **Employees of Fire Company** - Notwithstanding anything contained in this Agreement, the parties agree and understand that the Township shall provide Overhead and Support Services only for the Paid Firefighters and Other Paid Personnel who shall be and remain for all purposes employees of the Fire Company. The services being provided by the Township shall be deemed contracted-for services that are provided as an accommodation to the Fire Company in recognition of the benefits that the Fire Company provides to the residents of East Goshen Township and neighboring communities. The Fire Company is the employer of the Paid Firefighters and Other Paid Personnel.

6. **No Managerial Control** – Nothing in this Agreement shall be construed to give Township staff or elected officials any managerial control over the activities of the Paid Firefighters, Other Paid Personnel or the Fire Company.

7. **General Indemnification** - The Fire Company agrees to indemnify and hold harmless the Township from any and all claims which may be asserted against the Township as a result of the conduct of the Paid Firefighters, Other Paid Personnel and volunteers of the Fire Company in the performance of their official duties for the Fire Company. The Fire Company shall also cause the Township to be named an additional insured on its liability insurance policies as its interests may appear. The Fire Company further agrees to indemnify and hold harmless the Township from any and all claims which may be asserted against the Township as a result of a legal determination that any aspect of this Agreement violates federal, state or local laws or regulations. The Township agrees to indemnify and hold harmless the Fire Company from any and all claims which may be asserted against the Fire Company as a result of the performance by the Township of the services, obligations and tasks set forth in this Agreement.

8.

9. **Miscellaneous Provisions.**

A. **Pennsylvania Law to Apply** - This Agreement shall be construed under and in accordance with the laws of the Commonwealth of Pennsylvania, and all obligations of the parties created hereunder are performable in Chester County, Pennsylvania.

B. **Assignment** - This Agreement may not be assigned by either party without the consent of the other party.

C. **Term** - This Agreement shall have an initial term of one (1) year from the date of approval by the last party as indicated in the signature line hereinbelow and thereafter shall renew for successive one (1)-year terms unless terminated by either party giving written notice to the other at least ninety (90) days prior to the end of the initial or any renewal term.

D. **Legal Construction** - In the case of any one or more of the provisions contained in this Agreement shall for any reason be held to be invalid, illegal or

unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision thereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

E. **Prior Agreements Superseded** - This Agreement constitutes the sole and only Agreement of the parties hereto and supersedes any prior understandings or written or oral agreements between the parties respecting the within subject matter, including the 1987 Agreement and Amendments.

IN WITNESS WHEREOF, the parties have executed this agreement the day and year first above written.

ATTEST:

**EAST GOSHEN TOWNSHIP  
BOARD OF SUPERVISORS**

\_\_\_\_\_  
Louis F. Smith, Jr., Secretary

\_\_\_\_\_  
E. Martin Shane, Chairman

\_\_\_\_\_  
Carmen R. Battavio, Vice Chairman

\_\_\_\_\_  
Charles W. Proctor, III, Esquire, Member

\_\_\_\_\_  
Janet L. Emanuel, Member

\_\_\_\_\_  
Michael P. Lynch, Member

ATTEST:

**GOSHEN FIRE COMPANY**

*Rhoades H. Horvath*

BY:

*[Signature]*

Name:

Robert B. Hall

Title:

President



# Memorandum

---

East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

Voice: 610-692-7171  
Fax: 610-692-8950  
E-mail: [mgordon@eastgoshen.org](mailto:mgordon@eastgoshen.org)

---

Date: 3/15/2018  
To: Board of Supervisors  
From: Mark Gordon, Township Zoning Officer   
Re: Operation and Maintenance Agreements

---

Dear Board Members:

Daniel and Wendy Van Knippenberg, owners of 38 Meadow Creek Ln., are proposing to construct a swimming pool. The project requires Stormwater management and thus a SWM O&M Agreement.

I have the following Storm water management for the Board's approval.

**Draft Motion:**

I move that we authorize the Chairman to execute the storm water management operation and maintenance agreement for 38 Meadow Creek Ln.

**EAST GOSHEN TOWNSHIP  
BOARD OF SUPERVISORS MEETING  
1580 PAOLI PIKE  
TUESDAY, MARCH 6, 2018  
DRAFT MINUTES**

**Present:** Chairman Marty Shane; Vice Chairman Carmen Battavio; Supervisors David Shuey, Janet Emanuel and Mike Lynch; Township Manager Rick Smith; Finance Director Jon Altshul; Conservancy Board Chairman Erich Meyer.

**Call to Order & Pledge of Allegiance**

Marty called the meeting to order at 7:00 p.m. and led the pledge of allegiance.

**Moment of Silence**

Carmen called for a moment of silence to honor our troops and emergency responders.

**Recording**

None.

**Chairman's Report**

Marty announced that the Board met in executive session immediately prior to tonight's meeting to discuss a legal and real estate matter. He also announced that John Scheidt had resigned from the Conservancy Board.

**Goshen Fire Company Report**

Carmen reported that the Goshen Fire Company responded to 13 fire calls, 213 ambulance calls and 7 fire police calls in East Goshen in January.

**Consider Recommendation for Updated Continuing Disclosure Agreement with DVRFA**

Jon explained that due to changing federal rules on continuing disclosures for municipal securities, the Township needed to update its continuing disclosure agreements with the Delaware Valley Regional Finance Authority. Carmen made a motion to authorize the Chairman to execute the updated Continuing Disclosure Agreement for our outstanding loans with the Delaware Valley Regional Finance Authority. Janet seconded. The motion passed 5-0.

**Consider Recommendation to Close Out the New Kent II Escrow Account**

Carmen made a motion to close out the Hankin Group's letter of credit put up as escrow in the amount of \$548,579.69 for New Kent II. Mike seconded. The motion passed 5-0.

**Consider Recommendation Concerning PA PUC Regulations**

1 Rick explained that the PA Public Utility Commission (PUC) allows any interested  
2 party to petition the PUC for the issuance, amendment, repeal or waiver of  
3 regulations and suggested that he be permitted to work with the Township Solicitor  
4 and Engineer to come back with a proposal for the Board. Marty stated that this  
5 option may be an effective alternative to appealing to state elected officials for  
6 changes to pipeline regulations. He also noted that this issue would be discussed  
7 next Tuesday at the CCATO Spring Conference. Both Mike and David noted that this  
8 process is likely to be extended and thorough, but that they also support pursuing it.  
9 Mike added that the Township needs to be realistic about the types of regulatory  
10 changes that it could achieve and encouraged the Board to look at the "gestalt" or  
11 big picture. Janet made a motion to authorize Rick to work with the Township  
12 Solicitor and Engineer to prepare petitions for the PUC for the Board's future  
13 consideration. David seconded. The motion passed 5-0.

14  
15 **Consider Storm Water Maintenance Agreement and In-Law Suite for 315**  
16 **Franklin Court**

17 Carmen made a motion to authorize the Chairman to execute the Storm Water  
18 Management and In-Law Suite Agreements for 315 Franklin Court. Janet seconded  
19 the motion. Carmen asked Rick if the property owner understood that the property  
20 could not be rented out to a new tenant if there were to be a change in  
21 circumstances, and Rick indicated that they did. The motion passed 5-0.

22  
23 **Consider Recommendation for Paoli Pike Trail Easements**

24 Rick explained that in order to proceed in obtaining easements along Segments C, D  
25 & E of the trail, we would need have a facts and data book prepared and get a waiver  
26 valuation performed for each affected parcel, pursuant to PENNDOT requirements.  
27 Rick stated that PennDOT had recommended that we use Appraisal Review  
28 Specialists to perform this work. Janet made a motion to accept the proposal from  
29 Appraisal Review Specialists to prepare a facts and data book for a cost of \$4,500  
30 and prepare waiver valuations as needed for a cost of \$800 each. David seconded  
31 the motion. The motion passed 5-0.

32  
33 **Any Other Matter**

34 David made a motion to appoint Kathleen Lynch to the Historical Commission. Janet  
35 seconded the motion. The motion passed 4-0, with Mike abstaining as Ms. Lynch is  
36 his sister.

37  
38 **Approval of Minutes of February 27, 2018**

39 Janet made a motion to approve the minutes of February 27, 2018, as corrected.  
40 Carmen seconded. The motion passed 5-0

41  
42 **Treasurer's Report of March 1, 2018**

43 Carmen moved to graciously accept the Treasurer's Report and the Expenditure  
44 Register Report as recommended by the Treasurer, to accept the receipts and to  
45 authorize payment of the invoices just reviewed. David seconded. The motion  
46 passed 5-0.

1  
2 **Correspondence, Reports of Interest**

3 The Board acknowledged the following correspondence and reports of interest:

- 4 • February 15, 2018 Letter from Governor Wolf regarding HB 1620  
5 • 2017 Financial Statements for the Non-Uniformed Defined Contribution  
6 Pension Plan, Frozen Non-Uniformed Defined Benefit Plan and Firefighters  
7 Defined Benefit Plan.  
8

9 Carmen observed that the Governor's letter did not indicate whether he supported  
10 our position or not and asked Rick to follow up with another letter to the Governor  
11 for clarification.  
12

13 **Liaison Reports**

14 Mike stated that he, David, Rick and Mark Miller had had a productive meeting about  
15 the ponds. He noted that Public Works can likely perform much of the work in  
16 house. He also stated that he did a walk-through of the Malvern Institute last week.  
17 He observed that the facility is in need of renovations, whether as proposed in the  
18 variance application or not. Carmen added that he's concerned about an adjacent  
19 parcel, also owned by the Malvern Institute, that may be an ideal "drop off" spot for  
20 contraband and suggested that there be 24/7 monitoring of that location.  
21

22 **Adjournment**

23 There being no further business, Janet motioned to adjourn the meeting at 8:00 pm.  
24 Carmen seconded the motion. The motion passed 5-0.  
25

26 Respectfully submitted,

27 *Jon Altshul*

28 *Recording Secretary*  
29

30 Attachments: March 1, 2018 Treasurer's Report  
31

March 1, 2018

**TREASURER'S REPORT**  
**2018 RECEIPTS AND BILLS**

**GENERAL FUND**

Real Estate Tax	\$168,336.96	Accounts Payable	\$463,085.22
Earned Income Tax	\$96,300.00	<u>Electronic Pmts:</u>	
Local Service Tax	\$2,700.00	Credit Card	\$0.00
Transfer Tax	\$0.00	Postage	\$0.00
<i>General Fund Interest Earned</i>	\$0.00	Debt Service	\$0.00
Total Other Revenue	\$88,273.46	Payroll	\$119,264.19
Total Receipts:	<u>\$355,610.42</u>	Total Expenditures:	<u>\$582,349.41</u>

**STATE LIQUID FUELS FUND**

Receipts	\$2,320.00		
<i>Interest Earned</i>	\$0.00		
Total State Liquid Fuels:	<u>\$2,320.00</u>	Expenditures:	<u>\$0.00</u>

**SINKING FUND**

Receipts	\$0.00	Accounts Payable	\$83,900.50
<i>Interest Earned</i>	\$0.00	Credit Card	\$0.00
Total Sinking Fund:	<u>\$0.00</u>	Total Expenditures:	<u>\$83,900.50</u>

**TRANSPORTATION FUND**

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Sinking Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

**SEWER OPERATING FUND**

Receipts	\$281,115.33	Accounts Payable	\$21,920.23
<i>Interest Earned</i>	\$0.00	Debt Service	\$0.00
Total Sewer:	<u>\$281,115.33</u>	Credit Card	\$0.00
		Total Expenditures:	<u>\$21,920.23</u>

**REFUSE FUND**

Receipts	\$93,742.95		
<i>Interest Earned</i>	\$0.00		
Total Refuse:	<u>\$93,742.95</u>	Expenditures:	<u>\$7,652.55</u>

**BOND FUND**

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Sewer Sinking Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

**SEWER SINKING FUND**

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Sewer Sinking Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

**OPERATING RESERVE FUND**

Receipts	\$0.00		
<i>Interest Earned</i>	\$0.00		
Total Operating Reserve Fund:	<u>\$0.00</u>	Expenditures:	<u>\$0.00</u>

March 15, 2018

**TREASURER'S REPORT  
2018 RECEIPTS AND BILLS**

**GENERAL FUND**

Real Estate Tax	\$835,364.90
Earned Income Tax	\$235,334.70
Local Service Tax	\$0.00
Transfer Tax	\$0.00
General Fund Interest Earned	\$3,557.19
Total Other Revenue	\$22,965.83
Total Receipts:	<u>\$1,097,222.62</u>

Accounts Payable	\$128,222.98
Electronic Pmts:	
Credit Card	\$4,913.83
Postage	\$1,000.00
Debt Service	\$9,460.82
Payroll	\$127,194.56
Total Expenditures:	<u>\$270,792.19</u>

**STATE LIQUID FUELS FUND**

Receipts	\$550,991.40
Interest Earned	\$0.56
Total State Liquid Fuels:	<u>\$550,991.96</u>

Expenditures:	<u>\$0.00</u>
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**SINKING FUND**

Receipts	\$0.00
Interest Earned	\$1,599.74
Total Sinking Fund:	<u>\$1,599.74</u>

Accounts Payable	\$4,649.89
Credit Card	\$0.00
Total Expenditures:	<u>\$4,649.89</u>

**TRANSPORTATION FUND**

Receipts	\$0.00
Interest Earned	\$408.09
Total Sinking Fund:	<u>\$408.09</u>

Expenditures:	<u>\$0.00</u>
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**SEWER OPERATING FUND**

Receipts	\$59,678.61
Interest Earned	\$205.77
Total Sewer:	<u>\$59,884.38</u>

Accounts Payable	\$60,609.89
Debt Service	\$28,240.59
Credit Card	\$0.00
Total Expenditures:	<u>\$88,850.48</u>

**REFUSE FUND**

Receipts	\$23,605.76
Interest Earned	\$318.98
Total Refuse:	<u>\$23,924.74</u>

Expenditures:	<u>\$74,073.92</u>
---------------	--------------------

**BOND FUND**

Receipts	\$0.00
Interest Earned	\$7,387.01
Total Sewer Sinking Fund:	<u>\$7,387.01</u>

Accounts Payable	\$125,077.08
Credit Card	\$5,760.00
Total Expenditures:	<u>\$130,837.08</u>

**SEWER SINKING FUND**

Receipts	\$0.00
Interest Earned	\$631.92
Total Sewer Sinking Fund:	<u>\$631.92</u>

Expenditures:	<u>\$15.00</u>
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**OPERATING RESERVE FUND**

Receipts	\$0.00
Interest Earned	\$551.92
Total Operating Reserve Fund:	<u>\$551.92</u>

Expenditures:	<u>\$15.00</u>
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**EAST GOSHEN TOWNSHIP  
MEMORANDUM**

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**TO:** BOARD OF SUPERVISORS  
**FROM:** BRIAN MCCOOL  
**SUBJECT:** PROPOSED PAYMENTS OF BILLS  
**DATE:** 03-15-2018

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Please accept the attached Treasurer's Report and Expenditure Register Report for consideration by the Board of Supervisors. I recommend the Treasurer's Report and each register item be approved for payment.

General Fund expenses include \$49,140 for health insurance. Real Estate Tax revenue is much higher than usual due to the discount due date approaching.

State Liquid Fuel Revenues reflect the 2018 allocation from the state that was received in early March.

Bond Fund expenses include \$106,145 for engineering costs for both the Milltown Dam and Hershey's Mill Dam, \$13,172 for engineering costs associated with Segment C of the Paoli Pike trail and \$5,760 for basketball court expenses (credit card charge reimbursed general fund).

Please advise if the Board decides to make any changes or if the reports are acceptable as drafted.

EAST GOSHEN TOWNSHIP  
MONTHLY DEBT PAYMENT BREAKDOWN  
March 25, 2018

**GENERAL FUND:**

Interest payment	Principal payment	Year of Issuance	Loan Description	Original loan amount	Remaining Principal	Retirement Date
\$7,589.19	\$0	2003	Multi purpose 9 projects	\$5,500,000	\$2,113,000	2023
\$1,563.10	\$0	1999	Applebrook Park	\$3,000,000	\$462,000	2019
\$308.53	\$0	2000	Spray Irrigation	\$287,000	\$89,000	2021

**SEWER FUND:**

Interest payment	Principal payment		Loan Description	Original loan amount	Remaining Principal	Retirement Date
\$22,859.10	\$0	2008	RCSTP Expansion	\$9,500,000	\$6,927,000	2032
\$5,381.49	\$0	2013	Diversion Projects	\$2,500,000	\$2,118,000	2033

Report Date 03/08/18

Expenditures Register  
GL-1803-62224

PAGE 1

MARPO5 run by BARBARA

9 : 33 AM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01		GENERAL FUND								
3955				BAYARD PRINTING GROUP						
	54327	1	01401 3420	NEWSLETTERS	030718	03/08/18	03/08/18	03/08/18	15034	1,353.00
				POSTAGE FOR SPRING 2018 NEWSLETTERS						
										1,353.00
										1,353.00
1 Printed, totaling										1,353.00

## FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	1,353.00	GENERAL FUND
		1,353.00	

## PERIOD SUMMARY

Period	Amount
1803	1,353.00
	1,353.00

12 : 16 PM

	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
GENERAL FUND									
68			AMS APPLIED MICRO SYSTEMS LTD.						
	54337	1 01401 3120	CONSULTING SERVICES FEBRUARY 2018	64319	03/13/18		03/13/18		1,097.00
	54337	2 01414 5001	ZONING IT CONSULTING FEBRUARY 2018 - GEO PLAN	64319	03/13/18		03/13/18		28.00
									1,125.00
1657			AQUA PA						
	54338	1 01411 3630	HYDRANT & WATER SERVICE 000309987 0309987 1/31-2/28/18 HY6	030118 HY6	03/13/18		03/13/18		137.52
	54339	1 01411 3630	HYDRANT & WATER SERVICE 000310033 0310033 1/31-2/28/18 186	030118 279	03/13/18		03/13/18		4,696.50
	54339	2 01411 3631	HYDRANTS - RECHARGE EXPENSE 000310033 0310033 1/31-2/28/18 93	030118 279	03/13/18		03/13/18		2,348.25
	54340	1 01409 3600	TWP. BLDG. - FUEL, LIGHT, WATER 000309801 0309801 1/23-2/23/18 BS	022718 BS	03/13/18		03/13/18		16.80
									7,199.07
82			ASSOCIATED TRUCK PARTS						
	54344	1 01430 2330	VEHICLE MAINT AND REPAIR 12 CONTAINERS "TOTAL POWER"	212503	03/13/18		03/13/18		95.76
									95.76
102			B&D COMPUTER SOLUTIONS						
	54345	1 01401 3120	CONSULTING SERVICES FEBRUARY 2018	00003159	03/13/18		03/13/18		2,000.00
									2,000.00
119			BEE.NET INTERNET SERVICES						
	54346	1 01401 3210	COMMUNICATION EXPENSE MARCH 2018 BEE-MAIL ACCTS.	20183011	03/13/18		03/13/18		315.00
									315.00
1198			BRANDYWINE VALLEY SPCA						
	54347	1 01410 5400	S.P.C.A. CONTRACT STRAY PICK-UP - FEBRUARY 2018	11653	03/13/18		03/13/18		154.50
									154.50



Report Date 03/13/18

Expenditures Register

PAGE 3

GL-1803-62303

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12 : 16 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01				GENERAL FUND						
296				COMCAST 8499-10-109-0028306						
	54357	1	01401 3210	COMMUNICATION EXPENSE	022218	03/13/18		03/13/18		114.90
				0028306 MARCH 2018						
										114.90
3613				DELAWARE VALLEY HEALTH TRUST						
	54360	1	01486 1560	HEALTH, ACCID. & LIFE	14309	03/13/18		03/13/18		49,140.36
				MARCH 2018 PREMIUM - MEDICAL/RX						
	54360	2	01213 1000	DENTAL INSURANCE W/H	14309	03/13/18		03/13/18		1,345.00
				MARCH 2018 PREMIUM - DENTAL						
										50,485.36
3872				EAGLE TERMITE & PEST CONTROL						
	54361	1	01409 3840	DISTRICT COURT EXPENSES	192746	03/13/18		03/13/18		50.00
				EXTERMINATOR SERVICE FEB.2018 - DC						
	54362	1	01409 3740	TWP. BLDG. - MAINT & REPAIRS	192743	03/13/18		03/13/18		105.00
				EXTERMINATOR SERVICE FEB.2018 - TWP						
	54365	1	01409 3745	PW BUILDING - MAINT REPAIRS	192745	03/13/18		03/13/18		45.00
				EXTERMINATOR SERV. FEB.2018 -PW						
										200.00
1876				FOLEY INC.						
	54369	1	01432 3840	SNOW - EQUIPMENT RENTAL	W2587901	03/13/18		03/13/18		4,411.00
				WHEEL LOADER & GP BUCKET RENTAL						
				1/17-2/14/18						
										4,411.00
2631				GRAPHIC IMPRESSIONS OF AMERICA INC.						
	54375	1	01401 2110	STATIONERY	18-8812	03/13/18		03/13/18		50.00
				DESIGN PLANNING COMM. LETTERHEAD &						
				PROVIDE SAMPLES						
										50.00
638				HOME DEPOT CREDIT SERVICES						
	54376	1	01401 2100	MATERIALS & SUPPLIES	021318	03/13/18		03/13/18		116.64
				PLYWOOD FOR SUE'S TABLE, LUMBER &						
				SUPPLIES FOR PRINTER TABLES						
	54376	2	01409 3840	DISTRICT COURT EXPENSES	021318	03/13/18		03/13/18		2.36
				NAME PLATES - DIST.CT.						
	54376	3	01437 2460	GENERAL EXPENSE - SHOP	021318	03/13/18		03/13/18		95.43
				DECK SPRAY, SAW BLADES, PLASTIC						
				WOOD, SAND PAPER & BRUSHES						
	54376	4	01454 3740	EQUIPMENT MAINT. & REPAIR	021318	03/13/18		03/13/18		27.88
				HOOKS FOR PARK						



Report Date 03/13/18

Expenditures Register  
GL-1803-62303

PAGE 4

MARP05 run by BARBARA

12 : 16 PM

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Report Date 03/13/18

Expenditures Register  
GL-1803-62303

PAGE 5

MARP05 run by BARBARA

12 : 16 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
2352				PECO - 99193-01400						
	54390	1	01434 3610	STREET LIGHTING 99193-01400 1/26/18 - 2/26/18	030218	03/13/18		03/13/18		704.10
	54390	2	01433 2470	UTILITIES - TRAFFIC LIGHTS 99193-01400 1/26/18 - 2/26/18	030218	03/13/18		03/13/18		571.07
										1,275.17
3153				PECO - 01360-05046						
	54391	1	01409 7505	BOOT & PAOLI LED SIGN 01360-05046 1/30 - 2/28/18 BOOT LED	030118	03/13/18		03/13/18		70.38
										70.38
1555				PECO - 45168-01609						
	54389	1	01409 3840	DISTRICT COURT EXPENSES 45168-01609 1/25/18 - 2/23/18 GAS	022618	03/13/18		03/13/18		1,487.63
	54389	2	01409 3605	PW BLDG - FUEL,LIGHT,SEWER & WATER 45168-01609 1/25/18 - 2/23/18 ELEC.	022618	03/13/18		03/13/18		811.34
										2,298.97
1005				PENNSYLVANIA ONE CALL SYSTEM						
	54392	1	01438 3840	EQUIPMENT RENTAL MONTHLY ACTIVITY - FEBRUARY 2018	0000760508	03/13/18		03/13/18		132.40
										132.40
1161				REILLY & SONS INC						
	54393	1	01430 2320	VEHICLE OPERATION - FUEL 512.1 GALLONS DIESEL	139247	03/13/18		03/13/18		1,106.14
	54394	1	01430 2320	VEHICLE OPERATION - FUEL 276.01 GALLONS GASOLINE	139316	03/13/18		03/13/18		531.85
	54395	1	01430 2320	VEHICLE OPERATION - FUEL 865.5 GALLONS DIESEL	139555	03/13/18		03/13/18		1,821.01
	54396	1	01430 2320	VEHICLE OPERATION - FUEL 290.3 GALLONS DIESEL	138501	03/13/18		03/13/18		602.37
										4,061.37
3731				RINEHART'S SANITATION SERVICES INC.						
	54397	1	01452 3204	COMMUNITY DAY 50% DEPOSIT - COMFORT STATIONS	414-1175751	03/13/18		03/13/18		1,451.26
										1,451.26

PAGE 6

12 : 16 PM

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PAGE 7

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Report Date 03/13/18

Expenditures Register  
GL-1803-62303

**PAGE 8**

MARP05 run by BARBARA

12 : 16 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
05	SEWER OPERATING									
1658	AQUA PA									
	54341	1	05420 3602	C.C. COLLECTION -UTILITIES 000309826 0309826 1/23-2/23/18 TH	022718 TH	03/13/18		03/13/18		29.40
	54342	1	05420 3602	C.C. COLLECTION -UTILITIES 000305003 0305003 1/24-2/26/18 WW	022818 WW	03/13/18		03/13/18		28.88
	54343	1	05422 3601	R.C. COLLEC.-UTILITIES 001533998 1087842 1/23-2/23/18 TWN	022718 TWN	03/13/18		03/13/18		59.54
										117.82
197	BUCKLEY BRION MCGUIRE & MORRIS									
	54349	1	05429 3140	ADMIN - LEGAL LEGAL SERVICE 2/1/18 - 2/28/18	15537	03/13/18		03/13/18		2,382.73
										2,382.73
241	C.C. SOLID WASTE AUTHORITY									
	54351	2	05422 4502	R.C. SLUDGE-LAND CHESTER WEEK 2/16/18 - 2/22/18	49881	03/13/18		03/13/18		485.75
										485.75
3872	EAGLE TERMITE & PEST CONTROL									
	54363	1	05422 3700	R.C. STP-MAINT.& REPAIRS EXTERMINATOR SERV. FEB.2018 -RCSTP	192744	03/13/18		03/13/18		45.00
	54364	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. EXTERMINATOR SERV. FEB.2018 -ASHBRG	192747	03/13/18		03/13/18		25.00
										70.00
1876	FOLEY INC.									
	54367	1	05420 3704	C.C. COLLECT.-MAINT & REP - I&I SWING BOOM,BUCKETS & COUPLER RENTAL 1/24/18 - 2/21/18	W2582001	03/13/18		03/13/18		4,174.00
	54368	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. CREDIT ON ACCT. PER STATEMENT	AR_A 866	03/13/18		03/13/18		-612.50
										3,561.50
638	HOME DEPOT CREDIT SERVICES									
	54376	6	05420 3702	C.C. COLLEC.-MAINT.& REPR. SIDING, MOULDING/LATTICE & ALE PLUS CLEAR - BARKWAY PS	021318	03/13/18		03/13/18		327.98
										327.98

Report Date 03/13/18

Expenditures Register  
GL-1803-62303

PAGE 9

MARP05 run by BARBARA

12 : 16 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
1817				LOWES BUSINESS ACCOUNT/GECF						
	54380	5	05420	3702 C.C. COLLEC.-MAINT.& REPR. REPLACEMENT GROUND PADS - SEWER JOB	021718	03/13/18		03/13/18		186.32
										186.32
3675				NETCARRIER TELECOM INC. 67889						
	54382	1	05420	3602 C.C. COLLECTION -UTILITIES 3/1/18 - 3/31/18	503946	03/13/18		03/13/18		49.23
										49.23
3676				NETCARRIER TELECOM INC. 67890						
	54383	1	05422	3600 R.C STP -UTILITIES 3/1/18 - 3/31/18	503947	03/13/18		03/13/18		48.87
										48.87
3677				NETCARRIER TELECOM INC. 67887						
	54384	1	05420	3602 C.C. COLLECTION -UTILITIES 3/1/18 - 3/31/18	503944	03/13/18		03/13/18		49.12
										49.12
3678				NETCARRIER TELECOM INC. 67888						
	54385	1	05420	3602 C.C. COLLECTION -UTILITIES 3/1/18 - 3/31/18	503945	03/13/18		03/13/18		48.98
										48.98
3725				NETCARRIER TELECOM INC. 68255						
	54388	1	05420	3702 C.C. COLLEC.-MAINT.& REPR. 3/1/18 - 3/31/18	504138	03/13/18		03/13/18		50.01
										50.01
2914				TOWLER, SCOTT A.						
	54401	1	05422	4500 R.C. STP-CONTRACTED SERV. SERVICES RE: RCSTP JANUARY 2018	18-010131-1	03/13/18		03/13/18		14,500.09
	54402	1	05422	4500 R.C. STP-CONTRACTED SERV. SERVICES RE: RCSTP FEBRUARY 2018	18-020128-1	03/13/18		03/13/18		13,235.39
										27,735.48
3529				VERIZON - MODEMS						
	54405	1	05420	3601 C.C. INTERCEPTOR-UTILITIES 1/26/18 - 2/25/18 MODEMS	9802374160	03/13/18		03/13/18		102.41
										102.41



PAGE 10

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
05	SEWER OPERATING									
2773	VERIZON - PW FIOS 0001-15									
	54404	1	05422	3601 R.C. COLLEC.-UTILITIES 2/28/18 - 3/27/18 FIOS - PW	022718-0001-15	03/13/18		03/13/18		89.99
										89.99

Report Date 03/13/18

Expenditures Register  
GL-1803-62303

PAGE 11

MARP05 run by BARBARA

12 : 16 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
06	REFUSE									
2762	54336	1	06427	4500	AJB A.J. BLOSENSKI INC. CONTRACTED SERV. RESIDENTIAL PICK-UP MARCH 2018	83105279	03/13/18	03/13/18		57,910.03
										57,910.03
197	54349	2	06427	3140	BUCKLEY BRION MCGUIRE & MORRIS LEGAL SERVICES LEGAL SERVICE 2/1/18 - 2/28/18	15537	03/13/18	03/13/18		2,382.72
										2,382.72
241	54350	1	06427	4502	C.C. SOLID WASTE AUTHORITY LANDFILL FEES WEEK 2/23/18 - 2/27/18	49949	03/13/18	03/13/18		3,044.79
	54351	1	06427	4502	LANDFILL FEES WEEK 2/16/18 - 2/22/18	49881	03/13/18	03/13/18		5,284.41
	54352	1	06427	4502	LANDFILL FEES WEEK 3/01/18 - 3/06/18	50008	03/13/18	03/13/18		4,105.71
										12,434.91
3958	54398	1	06364	2000	SCHIEBER III, JOSEPH REVENUE - REFUSE FEES REFUND OF CREDIT BALANCE	022818	03/13/18	03/13/18		214.04
										214.04

Report Date 03/13/18

Expenditures Register  
GL-1803-62303

PAGE 12

MARPO5 run by BARBARA

12 : 16 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
08				BOND FUNDS (CAPITAL PROJECTS)						
425				EAST GOSHEN TOWNSHIP - GENERAL						
54366	1	08454	6008	FIELD IMPROVEMENTS	030618	03/13/18		03/13/18		5,760.00
				REIMBURSE 01 FUND FOR CREDIT CARD						
				CARD EXPENSE - BASKETBALL HOOPS &						
				RIMS						
										5,760.00
1970				GANNETT FLEMING COMPANIES						
54371	1	08454	6050	HERSHEY'S MILL ENGINEERING	060466.12*50510	03/13/18		03/13/18		68,365.00
				ENGINEERING SERV. 9/30/17-2/2/18						
				HERSHEY MILL DAM ENHANCMT.						
54372	1	08454	6010	MILLTOWN DAM ENGINEERING	060466.06*50507	03/13/18		03/13/18		4,670.00
				ENGINEERING SERV. 9/30/17-2/2/18						
				MILLTOWN DAM - HAZARD REDUCTION						
54373	1	08454	6010	MILLTOWN DAM ENGINEERING	060466.10*50508	03/13/18		03/13/18		5,600.00
				ENGINEERING SERV. 9/30/17-2/2/18						
				MILLTOWN DAM - RED BELLY TURTLE						
54374	1	08454	6010	MILLTOWN DAM ENGINEERING	060466.11*50509	03/13/18		03/13/18		27,510.00
				ENGINEERING SERV. 9/30/17-2/2/18						
				MILLTOWN DAM - RESERVOIR ENHANCMTS						
										106,145.00
										307,586.42
										0 Printed, totaling 307,586.42

## FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	87,023.64	GENERAL FUND
03	03	409.89	SINKING FUND
05	05	35,306.19	SEWER OPERATING
06	06	72,941.70	REFUSE
08	08	111,905.00	BOND FUNDS (CAPITAL PROJECTS)
		307,586.42	

## PERIOD SUMMARY

Period	Amount
1803	307,586.42
	307,586.42

PAGE 1

3 : 27 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01	GENERAL FUND									
3140				ACE PORTABLES INC.						
	54419	1	01438	2450 MATERIALS & SUPPLIES-HIGHWAYS PORTABLE TOILETS 3/8-3/31/18	131165	03/15/18		03/15/18		109.93
										109.93
2762				AJB A.J. BLOSENSKI INC.						
	54422	1	01438	2450 MATERIALS & SUPPLIES-HIGHWAYS 30 YD ROLLOFF HAULING FEE	82M00739	03/15/18		03/15/18		400.00
										400.00
1903				ALTHOUSE, GARY						
	54423	1	01401	3000 GENERAL EXPENSE REIMBURSEMENT FOR TOLLS - PENNBOC MTG. 3/8/18	030818	03/15/18		03/15/18		5.20
										5.20
2690				ASFFPM						
	54424	1	01413	3000 GENERAL EXPENSE 2018 MEMBERSHIP DUES - M.GORDON	031418	03/15/18		03/15/18		160.00
										160.00
1703				BATTAVIO, CARMEN						
	54426	1	01401	3000 GENERAL EXPENSE REIMBURSEMENT FOR LUNCH - ADELPHIA EASEMENT MEETING	031218	03/15/18		03/15/18		37.56
	54426	2	01401	3300 AUTO ALLOWANCE MILEAGE ADELPHIA MTG. 32 MILES @ \$.545	031218	03/15/18		03/15/18		17.44
										55.00
3249				COMCAST 8499-10-109-0107712						
	54429	1	01401	3210 COMMUNICATION EXPENSE 0107712 3/5-4/4/18 E.G. PARK LED	030418	03/15/18		03/15/18		105.75
										105.75
3490				COMCAST 8499-10-109-0111284						
	54428	1	01401	3210 COMMUNICATION EXPENSE 0111284 3/9-4/8/18 FW SPEC.VIDEO	030418	03/15/18		03/15/18		16.88
										16.88

Report Date 03/15/18

Expenditures Register  
GL-1803-62327

PAGE 2

MARP05 run by BARBARA

3 : 27 PM

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PAGE 3

3 : 27 PM

[illegible]

PAGE 4

3 : 27 PM

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Report Date 03/15/18

Expenditures Register  
GL-1803-62327

PAGE 5

MARP05 run by BARBARA

3 : 27 PM

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PAGE 6

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
03		SINKING FUND								
3962				MOON NURSERIES						
	54445	1	03454 7450	CAPITAL PURCHASE - PARK & REC SIX RED MAPLES & ONE WEEPING WILLOW TREES - PLAYGROUND	SO00059466	03/15/18		03/15/18		4,200.00
										----- 4,200.00

PAGE 7

3 : 27 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
05	SEWER OPERATING									
3140				ACE PORTABLES INC.						
	54420	1	05422 3701	R.C. COLLEC.-MAINT.& REPR PORTABLE TOILETS 2/6-2/27/18	130344	03/15/18		03/15/18		250.00
										250.00
2918				ALS ENVIRONMENTAL						
	54412	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 12/12/18	40-2222835	03/15/18		03/15/18		120.00
	54413	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 12/28/17-1/5/18	40-2224452	03/15/18		03/15/18		408.00
	54414	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 1/12/18	40-2225938	03/15/18		03/15/18		6.00
	54415	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 1/09/18-1/23/18	40-2228526	03/15/18		03/15/18		321.00
	54416	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 1/30/18	40-2230538	03/15/18		03/15/18		18.00
	54417	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 1/30 - 2/9/18	40-2232490	03/15/18		03/15/18		349.00
	54418	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 2/13/18	40-2235338	03/15/18		03/15/18		12.00
	54421	1	05422 4500	R.C. STP-CONTRACTED SERV. LAB TESTING RCSTP 1/23-1/29/18	40-2229437	03/15/18		03/15/18		180.00
										1,414.00
3598				CEDAR HOLLOW RECYCLING						
	54427	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. BLACKTOP, MIXED MATER & DIRT	00013296	03/15/18		03/15/18		2,387.37
	54427	2	05420 3704	C.C. COLLECT.-MAINT & REP - I&I BLACKTOP, MIXED MATER & DIRT	00013296	03/15/18		03/15/18		2,387.37
										4,774.74
2960				COMMONWEALTH OF PENNSYLVANIA						
	54430	1	05422 3700	R.C. STP-MAINT.& REPAIRS ANNUAL FEE- NPDES PERMITS/CHAP. 92A	1043798	03/15/18		03/15/18		500.00
										500.00
800				MACANGA INC.						
	54442	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. TRACKHOE, TRUCKS & DUMP 20 LOADS	030918	03/15/18		03/15/18		2,609.53
	54442	2	05422 3701	R.C. COLLEC.-MAINT.& REPR TRACKHOE, TRUCKS & DUMP 10 LOADS	030918	03/15/18		03/15/18		1,304.76
										3,914.29

PAGE 8

3 : 27 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
05	SEWER OPERATING									
1031				PECO - 99193-01204						
	54452	1	05420 3602	C.C. COLLECTION -UTILITIES 99193-01204 1/26-3/1/18	030818	03/15/18		03/15/18		917.48
	54452	2	05420 3600	C.C. METERS - UTILITIES 99193-01204 1/26-3/1/18	030818	03/15/18		03/15/18		9.06
	54452	3	05422 3601	R.C. COLLEC.-UTILITIES 99193-01204 1/26-3/1/18	030818	03/15/18		03/15/18		373.07
	54452	4	05422 3600	R.C STP -UTILITIES 99193-01204 1/26-3/1/18	030818	03/15/18		03/15/18		10,017.94
										11,317.55
1083				PIPE LINE PLASTICS INC.						
	54454	1	05422 3701	R.C. COLLEC.-MAINT.& REPR 4" PVC THREADER PLUGS	304585	03/15/18		03/15/18		73.55
	54455	1	05422 3701	R.C. COLLEC.-MAINT.& REPR 4" PVC THREADER PLUGS, COUPLING, FEMALE ADAPTERS & VENT CAPS	304611	03/15/18		03/15/18		233.22
										306.77
1087				PIPE XPRESS INC.						
	54456	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. PVC PIPE, ADAPTERS, CEMENT, PRIMER, COUPLINGS, ADAPTERS & PLUG THREADS	90071	03/15/18		03/15/18		376.39
	54457	1	05422 3701	R.C. COLLEC.-MAINT.& REPR FEMALE ADAPTERS & PLUG THREADS	90141	03/15/18		03/15/18		342.60
	54458	1	05422 3701	R.C. COLLEC.-MAINT.& REPR DBL WALL CORR PIPING	90045	03/15/18		03/15/18		55.60
										774.59
1161				REILLY & SONS INC						
	54462	1	05422 3700	R.C. STP-MAINT.& REPAIRS 24.0 GALLONS DIESEL - HUNT CNTRY.	139574	03/15/18		03/15/18		71.98
	54463	1	05422 3700	R.C. STP-MAINT.& REPAIRS 415.0 GALLONS DIESEL - RCSTP	139573	03/15/18		03/15/18		1,244.59
	54464	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. 81.6 GALLONS DIESEL - MANLEY	139572	03/15/18		03/15/18		244.72
	54465	1	05420 3702	C.C. COLLEC.-MAINT.& REPR. 31.0 GALLONS DIESEL - BARKWAY	139571	03/15/18		03/15/18		92.97
										1,654.26

PAGE 9

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Report Date 03/15/18

Expenditures Register  
GL-1803-62327

PAGE 10

MARF05 run by BARBARA

3 : 27 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount	
08		BOND FUNDS (CAPITAL PROJECTS)									
3551				MCMAHON ASSOCIATES INC.							
	54440	1	08459 6003	SEGMENT C ENGINEERING	157708	03/15/18		03/15/18		13,172.08	
				PROF.SERVICE 1/1-2/2/18 PAOLI PK							
				TRAIL SEGMENT C							
										13,172.08	
										82,566.54	
0 Printed, totaling										82,566.54	

## FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	39,528.54	GENERAL FUND
03	03	4,200.00	SINKING FUND
05	05	24,906.20	SEWER OPERATING
06	06	759.72	REFUSE
08	08	13,172.08	BOND FUNDS (CAPITAL PROJECTS)
		82,566.54	

## PERIOD SUMMARY

Period	Amount
1803	82,566.54
	82,566.54

PLGIT 1107.1010

DATE	DESCRIPTION	TOTAL	1401.3000	1401.3070	1407.2130	1437.2460	1452.2010	1452.3000	1487.1910	8454.6008
	RICK SMITH									
12/27/2017	WP ENGINE - JANUARY 2018	29.00			29.00					
1/17/2018	PSATS - CONFERENCE	1,200.00		1,200.00						
1/22/2018	PEPPER MILL - LUNCH MTG. RE: POLICE	50.19	50.19							
1/25/2018	SEPTA - MALVERN - EEOC HEARING	27.00	27.00							
		\$1,306.19								
	MARK MILLER									
1/6/2018	GIANT - Refreshments - Goals Mtg.	78.84	78.84							
1/15/2018	RED WING SHOES - Shoes & socks	184.58							184.58	
1/16/2018	WORKBOOTS.COM - Workboots	2,505.95							2,505.95	
1/19/2018	SUMMIT SIGN & SAFETY - Safety Vests & Raingear	211.60							211.60	
1/22/2018	OVERSTOCK.COM Linens & bed wear for bunk room	292.79				292.79				
1/23/2018	AT&T DATA - S. Walker	30.00			30.00					
1/24/2018	BASKETBALL HOOPS- Basketball backboards & rims	5,760.00								5,760.00
1/24/2018	HONEYBROOK HARDWARE - Stihl Parts	33.88				33.88				
		\$9,097.64								
	JASON LANG									
1/2/2018	NATIONAL RECREATION - Membership dues	170.00						170.00		
1/8/2018	ARNOLD'S FAMILY FUN - Deposit Summer Camp trip	100.00					100.00			
		\$270.00								
	GRAND TOTAL	10,673.83	156.03	1,200.00	59.00	326.67	100.00	170.00	2,902.13	5,760.00

10,673.83

J/E's made

X

Add to Master Cred.Card List

X

08 to reimburse General Fund for 08 expense.

X



## ACH DEBITS TO GENERAL FUNDS

## EXPENSE REPORT

Attachment 2 of 2

Meeting Date

3/20/2018

2/16-3/15/18

01	Amount				
TRX#	Charged	Date	Name	Description	
62188 1	95.00	3/6/2018	REIMBURSE S/R FOR BANK FEES	POSITIVE PAY & ACH MONITOR FEES	
62195 1	29.90	3/6/2018	CREDIT CARD FEES - AUTHNET	CREDIT CARD FEES - AUTHNET	
62196 1	112.90	3/6/2018	CREDIT CARD FEES - BANKCARD	CREDIT CARD FEES - BANKCARD	
62201 1	80.00	3/6/2018	PRIMEPAY - FEBRUARY 2018	MISC. EMPLOYEE BENEFITS	
	<b>317.80</b>				
03					
TRX#					
62189 1	40.00	3/6/2018	REIMBURSE S/R FOR BANK FEES	POSITIVE PAY & ACH MONITOR FEES	
	<b>40.00</b>				
05					
TRX#					
62190 1	350.00	3/6/2018	REIMBURSE S/R FOR BANK FEES	LOCK BOX FEE	
62190 2	47.50	3/6/2018	REIMBURSE S/R FOR BANK FEES	POSITIVE PAY & ACH MONITOR FEES	
	<b>397.50</b>				
06					
TRX#					
62191 1	350.00	3/6/2018	REIMBURSE S/R FOR BANK FEES	LOCK BOX FEE	
62191 2	22.50	3/6/2018	REIMBURSE S/R FOR BANK FEES	POSITIVE PAY & ACH MONITOR FEES	
	<b>372.50</b>				
09					
TRX#					
62193 1	15.00	3/6/2018	REIMBURSE S/R FOR BANK FEES	POSITIVE PAY & ACH MONITOR FEES	
	<b>15.00</b>				
10					
TRX#					
62194 1	15.00	3/6/2018	REIMBURSE S/R FOR BANK FEES	POSITIVE PAY & ACH MONITOR FEES	
	<b>15.00</b>				

March 22, 2018

**TREASURER'S REPORT**  
**2018 RECEIPTS AND BILLS**

**GENERAL FUND**

Real Estate Tax	\$1,045,842.42
Earned Income Tax	\$256,934.70
Local Service Tax	\$6,938.13
Transfer Tax	\$22,729.48
General Fund Interest Earned	\$3,557.19
Total Other Revenue	\$46,369.61
<b>Total Receipts:</b>	<b>\$1,382,371.53</b>

Accounts Payable	\$211,498.60
Electronic Pmts:	
Credit Card	\$4,913.83
Postage	\$1,000.00
Debt Service	\$9,460.82
Payroll	\$185,663.67
<b>Total Expenditures:</b>	<b>\$412,536.92</b>

**STATE LIQUID FUELS FUND**

Receipts	\$550,991.40
Interest Earned	\$0.56
<b>Total State Liquid Fuels:</b>	<b>\$550,991.96</b>

Expenditures:	<b>\$0.00</b>
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**SINKING FUND**

Receipts	\$0.00
Interest Earned	\$1,599.74
<b>Total Sinking Fund:</b>	<b>\$1,599.74</b>

Accounts Payable	\$4,649.89
Credit Card	\$0.00
<b>Total Expenditures:</b>	<b>\$4,649.89</b>

**TRANSPORTATION FUND**

Receipts	\$0.00
Interest Earned	\$408.09
<b>Total Sinking Fund:</b>	<b>\$408.09</b>

Expenditures:	<b>\$0.00</b>
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**SEWER OPERATING FUND**

Receipts	\$79,025.18
Interest Earned	\$205.77
<b>Total Sewer:</b>	<b>\$79,230.95</b>

Accounts Payable	\$61,965.07
Debt Service	\$28,240.59
Credit Card	\$0.00
<b>Total Expenditures:</b>	<b>\$90,205.66</b>

**REFUSE FUND**

Receipts	\$28,960.70
Interest Earned	\$318.98
<b>Total Refuse:</b>	<b>\$29,279.68</b>

Expenditures:	<b>\$74,073.92</b>
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**BOND FUND**

Receipts	\$0.00
Interest Earned	\$7,387.01
<b>Total Sewer Sinking Fund:</b>	<b>\$7,387.01</b>

Accounts Payable	\$125,077.08
Credit Card	\$5,760.00
<b>Total Expenditures:</b>	<b>\$130,837.08</b>

**SEWER SINKING FUND**

Receipts	\$0.00
Interest Earned	\$631.92
<b>Total Sewer Sinking Fund:</b>	<b>\$631.92</b>

Expenditures:	<b>\$15.00</b>
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**OPERATING RESERVE FUND**

Receipts	\$0.00
Interest Earned	\$551.92
<b>Total Operating Reserve Fund:</b>	<b>\$551.92</b>

Expenditures:	<b>\$15.00</b>
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**EAST GOSHEN TOWNSHIP  
MEMORANDUM**

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**TO:** BOARD OF SUPERVISORS  
**FROM:** BRIAN MCCOOL  
**SUBJECT:** PROPOSED PAYMENTS OF BILLS  
**DATE:** 03-22-2018

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Please accept the attached Treasurer's Report and Expenditure Register Report for consideration by the Board of Supervisors. I recommend the Treasurer's Report and each register item be approved for payment.

The attached report includes all of the receipts and expenses reported for the meeting that was cancelled last week as well as receipts and expenditures for this week.

General Fund expenses include \$50,149 for the 3<sup>rd</sup> of 4 installments for worker's compensation insurance, \$49,140 for health insurance and \$25,204 for the first payment for the 2017 audit. Real Estate Tax revenue is much higher than usual due to the discount due date approaching.

State Liquid Fuel Revenues reflect the 2018 allocation from the state that was received in early March.

Bond Fund expenses include \$106,145 for engineering costs for both the Milltown Dam and Hershey's Mill Dam, \$13,172 for engineering costs associated with Segment C of the Paoli Pike trail and \$5,760 for basketball court expenses (credit card charge reimbursed general fund).

Please advise if the Board decides to make any changes or if the reports are acceptable as drafted.

EAST GOSHEN TOWNSHIP  
MONTHLY DEBT PAYMENT BREAKDOWN  
March 25, 2018

**GENERAL FUND:**

Interest payment	Principal payment	Year of Issuance	Loan Description	Original loan amount	Remaining Principal	Retirement Date
\$7,589.19	\$0	2003	Multi purpose 9 projects	\$5,500,000	\$2,113,000	2023
\$1,563.10	\$0	1999	Applebrook Park	\$3,000,000	\$462,000	2019
\$308.53	\$0	2000	Spray Irrigation	\$287,000	\$89,000	2021

**SEWER FUND:**

Interest payment	Principal payment		Loan Description	Original loan amount	Remaining Principal	Retirement Date
\$22,859.10	\$0	2008	RCSTP Expansion	\$9,500,000	\$6,927,000	2032
\$5,381.49	\$0	2013	Diversion Projects	\$2,500,000	\$2,118,000	2033

Report Date 03/22/18

Expenditures Register  
GL-1803-62396

PAGE 1

MARP05 run by BARBARA

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Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
01	GENERAL FUND									
2226	54486	1	01401 3400	21ST CENT.MEDIA NEWS #884433 ADVERTISING - PRINTING NOTICE - EAST GOSHEN TWP HISTORICAL	1541508	03/22/18		03/22/18		84.03
										84.03
2695	54488	1	01454 3100	BRICKHOUSE ENVIRONMENTAL PROFESSIONAL SERVICES PROF.SERVICE FEBRUARY 2018 - WATER QUALITY CHECK - EGT PARK	1101	03/22/18		03/22/18		447.00
										447.00
2491	54489	1	01401 3210	COMCAST 8499-10-109-0107472 COMMUNICATION EXPENSE 0107472 3/17-4/16/18 PW TV	031018	03/22/18		03/22/18		10.52
										10.52
418	54491	1	01430 2330	EAGLE POWER AND EQUIPMENT VEHICLE MAINT AND REPAIR SPACERS, RINGS & BUCKET PINS	T452445	03/22/18		03/22/18		128.60
										128.60
489	54492	1	01454 3740	FISHER & SON COMPANY INC EQUIPMENT MAINT. & REPAIR BUILDERS MIX, LIME & MESA	0000182132-IN	03/22/18		03/22/18		2,403.00
										2,403.00
2999	54493	1	01414 3100	FITZPATRICK, CARA M. COURT REPORTERS TRANSCRIPT - MALVERN INST. 2/13/18	030618	03/22/18		03/22/18		175.00
										175.00
3000	54494	1	01430 2330	GARNET FORD VEHICLE MAINT AND REPAIR REPLACE LEAKING COOLER FORD F-350	C39857	03/22/18		03/22/18		1,280.34
										1,280.34

Report Date 03/22/18

## Expenditures Register

PAGE 2

GL-1803-62396

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Expenditures Register  
GL-1803-62396

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Report Date 03/22/18

## Expenditures Register

PAGE 4

MARP05 run by BARBARA

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GL-1803-62396

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Report Date 03/22/18

Expenditures Register  
GL-1803-62396

PAGE 5

ARF05 run by BARBARA 3 : 11 PM

Vendor	Req #	Budget#	Sub#	Description	Invoice Number	Req Date	Check Dte	Recpt Dte	Check#	Amount
07				MUNICIPAL AUTHORITY						
808				MAILLIE FALCONIERO & CO.						
	54505	1	07424	3110 MUNIC.AUTH.-AUDITING	1000073248	03/22/18		03/22/18		6,964.00
				PROGRESS BILLING - M.AUTHORITY 2017						
				FINANCIAL STATEMENTS						
										6,964.00

20 Printed, totaling 91,594.80

FUND SUMMARY

Fund	Bank Account	Amount	Description
01	01	83,275.62	GENERAL FUND
05	05	1,355.18	SEWER OPERATING
07	07	6,964.00	MUNICIPAL AUTHORITY
		91,594.80	

PERIOD SUMMARY

Period	Amount
1803	91,594.80
	91,594.80



McMAHON ASSOCIATES, INC.  
840 Springdale Drive  
Exton, PA 19341  
p 610-594-9995 | f 610-594-9565

PRINCIPALS

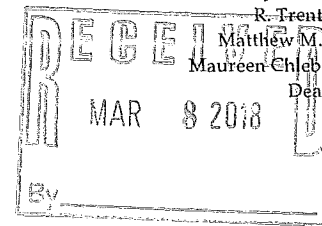
Joseph W. McMahon, P.E.  
Joseph J. DeSantis, P.E., PTOE  
John S. DePalma  
William T. Steffens  
Casey A. Moore, P.E.  
Gary R. McNaughton, P.E., PTOE

ASSOCIATES

John J. Mitchell, P.E.  
Christopher J. Williams, P.E.  
R. Trent Ebersole, P.E.  
Matthew M. Kozsuch, P.E.  
Maureen Chlebek, P.E., PTOE  
Dean A. Carr, P.E.

March 2, 2018

Mr. Louis (Rick) Smith, Jr.  
Township Manager, East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380



**RE: Paoli Pike Shared Use Path Project: Segments C through G  
East Goshen Township, Chester County  
McMahon Project No. 816417.21, .22, .23**

Dear Mr. Smith :

As you are aware, it is our intent to submit a NPDES Permit application to the Pennsylvania Department of Environmental Protection (DEP) for the following project in East Goshen Township's name:

1. **Project Name:** Paoli Pike Shared Use Path Project: Segments C through G
1. **Project Description:** This project is construction of segments of the Paoli Pike Shared Use path between Reservoir Road and Applebrook Park in East Goshen Township. This project will consist of the construction of approximately 4,800 linear feet (0.90 miles) of an 8-foot to 10-foot wide shared use path along adjacent to Paoli Pike through the Township. The path will consist of pervious asphalt pavement with concrete ADA curb ramps at intersections and major driveways.

Segment C will consist of a 10-foot wide shared use path on the north side of Paoli Pike between Reservoir Road and Boot Road, with a horizontal and vertical alignment independent to Paoli Pike. Segments D and E will consist of a shared use path on the south side of Paoli Pike. The path will cross an unnamed tributary to Ridley Creek utilizing an existing culvert within the Goshen Village Shopping Center. Additionally, the shoulder on the south side of Paoli Pike will be removed and replaced with a new curb and a 5-foot wide curbed grass buffer separating the path from the roadway between the Goshen Village Shopping Center Access and North Chester Road. Path segments F & G will continue east from North Chester Road and complete connections within Applebrook Park to the east of the Township Park Driveway/Hibberd Lane.

Other project improvements include modification of existing drainage structures (stormwater inlets) as necessary to accommodate the new path, installation of protective fencing where required, paving Paoli Pike between Saratoga Drive and North Chester Road, and installing a new 200' mountable grass median on the east side of North Chester Road within Paoli Pike.

Acts 14, 67, 68 and 127, which amended the Municipalities Planning Code, direct state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities and infrastructure, and specify that state agencies may rely upon comprehensive plans and zoning ordinances under certain conditions as described in Sections 619.2 and 1105 of the Municipalities Planning Code. The Pennsylvania Department of Environmental Protection's Policy for Consideration of Local Comprehensive Plans and Zoning Ordinances in DEP Review of Permits for Facilities and Infrastructure (DEP's Land Use Policy) provides direction and guidance to DEP staff, permit applicants, and local and county governments for the implementation of Acts 67, 68 and 127 of 2000. This policy can be found at [www.depweb.state.pa.us](http://www.depweb.state.pa.us); keyword: Land Use.

In accordance with DEP's Land Use Policy, enclosed please find a Municipal Land Use Letter that is to be submitted with our permit application to DEP. Please complete the attached form and return within 30 days to Mr. Stephen Giampaolo, P.E.

Please do not send this form to DEP, as we must include the Municipal Land Use Letter with our permit application. If we do not receive a response from you within 30 days, we shall proceed to submit our permit application to DEP without the Municipal Land Use Letter. If the Municipal Land Use Letter is not submitted with our permit application, and we provide proof to DEP that we attempted to obtain it, DEP will assume there are no substantive land use conflicts and proceed with the normal application review process.

**Please recognize receipt of the notification by signing for the certified mail.** The certified mail receipt will be forwarded to the PA DEP and the Chester County Conservation District as evidence of your notification. We appreciate your time and efforts. Should you have any questions or require additional information, feel free to contact me at 610-594-9995 (ext. 5129).

Respectfully,



Steve Giampaolo, P.E.

Senior Project Manager

SCG/jmw

cc: Ryan Gallagher, Assistant Manager, DVRPC

**MUNICIPAL LAND USE LETTER**

Date: \_\_\_\_\_

To: East Goshen Township (Name of Applicant)

From: East Goshen Township/Borough/City

Re: East Goshen Township, Paoli Pike Shared Use Path Project Segments C – G  
(Name of DEP Permittee)

The municipality of East Goshen states that it:

\_\_\_\_\_ has adopted a municipal or multi-municipal comprehensive plan.

If yes, please provide date of adoption:

\_\_\_\_\_ has not adopted a municipal or multi-municipal comprehensive plan.

The municipality of \_\_\_\_\_ states that it:

\_\_\_\_\_ has adopted a county zoning ordinance, or a municipal or joint-municipal zoning ordinance.

\_\_\_\_\_ has not adopted a county zoning ordinance, or a municipal or joint-municipal zoning ordinance.

If applicable:

The municipality of \_\_\_\_\_ states that its zoning ordinance is generally consistent with its municipal comprehensive plan and the county comprehensive plan.

The above referenced proposed project  
\_\_\_\_\_ meets the provisions of the local zoning ordinance

If zoning approval is required for the project to proceed, the above referenced project:

\_\_\_\_\_ has received zoning approval.

\_\_\_\_\_ has not received zoning approval.

If the proposed project has not received zoning approval:

What is the status of the zoning request for the proposed project? (e.g., Special Exception Approval from the Zoning Hearing Board required, Conditional Use approval from the Governing Body required)

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Is there a legal challenge by the applicant with regard to zoning for the proposed project?

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Name and Contact Information for Municipal Zoning Officer:

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Additional Comments (attach additional sheets if necessary):

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Submitted By:

Name	
Title	
Contact Information (Address & Phone)	
Signature	
Date	

RECEIVED AFTER  
AGENDA  
WAS PRINTED

## Memo

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To: Board of Supervisors  
From: Jason Lang & Conservancy Board  
Re: Township Parkland Greening and Reforestation Project  
Date: March 19th, 2018

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The PECO Green Region Open Space Program has been identified as a potential grant funding source to augment Conservancy Board resources, allowing for rapid expansion of 2018 park plantings. This grant program was successfully used to partially fund the 2016 Pat King Pollinator Garden in EGT Park, which was later named a Pennsylvania Horticulture Society "Garden of Distinction", one of 9 out of 300 such awardees.

If awarded a 2018 PECO Green Region Open Space Program Grant, the Township Conservancy Board will focus the additional resources to plantings in park space along East Boot Road and Clymer's Woods, in Applebrook Park. The result would be 33 additional trees planted in these parklands.



Clymer's Woods Aerial Picture



East Boot Road (Blacksmith Shop & Boardwalk)

The grant application is due Friday, March 30<sup>th</sup>, 2018. Selections are generally made in September.

### Motion:

I motion to apply for a PECO Green Region Open Space Grant in the amount of \$3,000 and approve a matching expenditure of \$3,000.

*Computer/H:/East Goshen Township/Budget*

RESOLUTION NO. \_\_\_\_\_

TOWNSHIP/BOROUGH/CITY OF East Goshen  
Chester COUNTY, PENNSYLVANIA

A Resolution Authorizing Application to the 2018  
PECO Green Region Open Space Program  
for the East Goshen Township Parkland Greening and Reforestation Project

**WHEREAS**, the Township/Borough/City of East Goshen Township ("Township"/  
"Borough"/"City") desires to undertake the **Parkland Greening and Reforestation**  
project; and

**WHEREAS**, the Township/Borough/City desires to apply to the PECO Green Region  
Open Space Program for a grant for the purpose of carrying out this project; and

**WHEREAS**, the Township/Borough/City has received and understands the 20 PECO  
Green Region Open Space Program Guidelines.

**THEREFORE, BE IT RESOLVED THAT** the Township/Borough/City Board of  
Supervisors/Council hereby approves this project and authorizes application to the PECO  
Green Region Open Space Program in the amount of \$ 3,000, and

**BE IT FURTHER RESOLVED, THAT**, if the application is granted, the  
Township/Borough/City commits to the expenditure of matching funds in the amount of  
\$3,000 necessary for the project's success.

**SO RESOLVED** this 20<sup>th</sup> day of March 2018 .

*Attest*

*Signatures*