

**UPPER MERION TRANSPORTATION AUTHORITY**  
**March 13, 2019**  
**7:00 p.m.**

**AGENDA**

- 1. PLEDGE OF ALLEGIANCE**
- 2. ATTENDANCE**
- 3. APPROVAL OF MEETING MINUTES: January 9, 2019**
- 4. NEW BUSINESS**
  - **Proposal for the Church Road Bridge Construction Phase Services.**
- 5. EXECUTIVE SECRETARY'S REPORT**
- 6. ENGINEER'S REPORT**
- 7. SOLICITOR'S REPORT**
- 8. FINANCIAL REPORT**
- 9. REQUISITION APPROVALS: February in the amount of \$ 70,325.83 and March in the amount of \$ 47,922.29**
- 11. ADJOURNMENT**

## UPPER MERION TRANSPORTATION AUTHORITY

January 9, 2019

The members of the Upper Merion Transportation Authority met for their reorganization and regular meeting on Wednesday, January 9, 2019 in the Township Building, 175 West Valley Forge Road, King of Prussia, PA. The meeting was called to order at 7:02 p.m. and commenced with the pledge of allegiance.

### **ATTENDANCE**

Tom Kohler, Chairman

Lou Zotti, Vice-Chairman

Carlton Stuart, Secretary (by phone)

Sally Slook, Executive Secretary

Jack Smyth, Jr., P.E., Consulting Engineers, Boles Smyth Associates, Inc., (BSA)

Nicole Feight, Rudolph Clarke, LLC

Nicholas Hiriak, Director of Finance

### **ABSENT**

Marvin Meneeley, Treasurer

Ian Kingsley, Assistant Secretary/Treasurer

### **Transportation Authority Reorganization for 2019**

It was moved by Mr. Zotti, seconded by Mr. Kohler, all voting "Aye" to appoint Ms. Slook as Temporary Chairman. None opposed. Motion approved 3-0.

It was moved by Mr. Zotti, seconded by Mr. Stuart, all voting "Aye" to appoint Mr. Kohler as Chairman of the Authority. Without further nominations from the floor, the nominations were closed and Mr. Kohler was appointed Chairman by a unanimous vote of 3-0.

It was moved by Mr. Zotti, seconded by Mr. Stuart, all voting "Aye" to approve the following appointments en bloc. None opposed. Motion approved 3-0.

Mr. Zotti was appointed Vice-Chairman of the Authority.

Mr. Stuart was appointed Secretary of the Authority.

Mr. Meneeley was appointed Treasurer of the Authority.

Mr. Kingsley was appointed Asst. Secretary/Treasurer of the Authority.

### **APPOINTMENTS:**

It was moved by Mr. Zotti, seconded by Mr. Stuart, all voting "Aye" to approve the following appointments en bloc. None opposed. Motion approved 3-0.

Ms. Slook was appointed Executive Secretary.

Mr. Hiriak was appointed Finance Director.

The firm of Boles Smyth Associates was appointed as Consulting Engineer, at the rate listed in their letter of intent dated November 29, 2018.

The firm of Rudolph Clarke, LLC was appointed as Solicitor, at the rate listed in their letter of intent dated December 19, 2018.

**ESTABLISHMENT OF MEETING DATE:**

It was moved by Mr. Zotti, seconded by Mr. Kohler, all voting "Aye", to set the second Wednesday of each month, at **7:00 p.m.** as the Authority's regular meeting date and time. Meetings will be held in the Board Room of the Township Building, unless otherwise advertised. None opposed. Motion approved 3-0.

**REQUISITIONS – January, 2019**

Boles, Smyth Assoc., Inc.	\$ 8,552.30	Trout Creek Bridge Replacement Project for work performed for the Period 11-1-18 thru 11-30-18 INVOICE #33
Boles, Smyth Assoc., Inc.	\$ 18,758.28	Relocation of North Gulph Road (SR 3039) for work Performed 11-1-18 thru 11-30-18 INVOICE #60
Rudolph Clarke, LLC Suite 200 Seven Neshaminy Interplex Trevose, PA 19053	\$ 364.50	Professional Services General representation INVOICE #69527
Rudolph Clarke, LLC	\$ 675.00	Church Rd Bridge INVOICE #69525
Rudolph Clarke, LLC	\$ 121.50	Realen INVOICE #69526
<b>TOTAL:</b>	<b>\$28,471.58</b>	

**Authority Action:**

It was moved by Mr. Stuart, seconded by Mr. Zotti, all voting "Aye" to approve the January 2019 requisitions in the amount of \$28, 471.58. None opposed. Motion approved 3-0.

**MEETING MINUTES APPROVAL:**

It was moved by Mr. Zotti, seconded by Mr. Stuart, all voting "Aye" to approve the meeting minutes of December 12, 2018 as submitted. None opposed. Motion approved 3-0.

**NEW BUSINESS**

None.

**EXECUTIVE SECRETARY'S REPORT**

**Development Plan Updates**

Ms. Slook stated there were no changes.

Mr. Kohler said he spoke to Rob regarding going through all of the projects that are still in the budget to ensure all fees are being paid. A letter with this information would be sent out and will include the Solicitor.

## **ENGINEER'S REPORT**

### **Potential New PA Turnpike Interchange at Henderson Road**

A status update was provided by DVRPC, since the September public meeting, the project team has completed existing conditions modeling for the AM and PM peak hours in the study area, particularly US 202 and Henderson Rd and the proximity of the potential interchange.

### **Prince Frederick Extension**

A meeting was held today at the request of the Glasgow Tract development team, with the Township, Transportation Authority and Montgomery County Planning Commission in regards to the project and the process of moving forward. Review of the Glasgow Tract developer's updated roadway design to ensure consistency with the original Prince Frederick Extension and Saulin Boulevard Extension design. Continued coordination with Montgomery County for Chester Valley Trail Extension Project.

### **Relocated North Gulph Road**

The project is in the preliminary engineering wrap up stage with the environmental clearance and safety review submissions. The boring logs were completed for the new road. The draft noise analysis was completed and no noise mitigation is anticipated to be required. There were meetings before the shutdown with Valley Forge and the landscape architect, along with Pat Quigley, environmental sub consultant to talk about the landscape plan. It was noted that a lot of progress was made in the meeting with roadside maintenance and they were especially thrilled to be involved early in the project. There is advancement in the Section 106 process which is the historic and archaeological elements of the projects. A meeting is coming up in mid-January with the Section 106 Specialist at PennDOT to go through the project so construction can begin in the summer. At the December progress meeting it was informed that Montgomery County and PennDOT are both really supportive of introducing the trail into this project but an important caveat is the park service being onboard because the trail would go through their land.

### **Trout Creek Bridge**

Continued progress of the Safety Study and getting that into PennDOT. BSA is developing a preliminary Traffic Signal Plan (TSP), Traffic Control Plan (TCP) and updating the Safety Study with crash records.

### **Church Road Bridge over SEPTA Route 100 Line**

Utility clearances from Sunoco were received, and coordination is ongoing from PECO Gas and Aqua. Comments from PECO were received regarding the request of their branch line in a sleeve as it goes over the trolley lines and having the sleeve extend back beyond the approach slabs of the bridge. This differs from the initial requests made before the structure plans were approved, resulting in structure plan modifications. SEPTA is still working on the reimbursement agreement.

A discussion followed about the pending items needed, noting final comment on Traffic Control Plan (TCP), Constructability Review and the revision of plans which requires PennDOT's review.

## **SOLICITOR'S REPORT** - no report



**FINANCIAL REPORT FOR DECEMBER 2018**

Mr. Nick Hiriak, Finance Director, commented on the December and year-to-date budget report.

**ADDITIONAL BUSINESS**

None.

**ADJOURNMENT**

There being no further business to come before the Authority, the meeting adjourned at 7:43 p.m.

\_\_\_\_\_  
**SALLY SLOOK**  
**EXECUTIVE SECRETARY**

\_\_\_\_\_  
**THOMAS KOHLER**  
**CHAIRMAN**

Minutes Approved:  
Minutes Entered:



**Boles, Smyth** Associates, Inc.  
Consulting Civil Engineers Since 1972

March 6, 2019

Upper Merion Transportation Authority  
175 W. Valley Forge Road  
King of Prussia, PA 19406

Attn: Ms. Sally Slook  
Acting Executive Secretary

Ref: Replacement of Church Road Bridge Over SEPTA  
Route 100 (Norristown High Speed Line)

Sub: Transmittal of Price Proposal for  
Agreement 064129 (Supplement H)  
Construction Phase Services

Dear Sally:

We are herewith transmitting this proposal for Construction Phase Services for replacement of the Church Road Bridge over the SEPTA Route 100 (Norristown High Speed Line) rail line. This proposal is necessary to complete Construction Consultation and other related services by the design team during the project construction phase.

We appreciate the efforts of the Upper Merion Transportation Authority in advancing project. If you have any questions, please contact me.

Sincerely,

A handwritten signature in black ink that reads "John Smyth, Jr." with a stylized flourish at the end.

John Smyth, Jr. P.E.  
Vice-President

Cc: Sidney New, P.E., Gannett Fleming, (w/encl.)

AGREEMENT #064129-H  
 Church Road (T-801) Bridge over SEPTA Route 100 Rail Line  
 (MPMS #16396)  
 MONTGOMERY COUNTY

PROPOSAL SUMMARY  
 Part V - Construction Phase Services

Total Proposal Amount	Total Proposal Amount	\$	132,823.17
	Part I	\$	109,383.68
	Part II	\$	253,892.95
	Part III	\$	99,313.63
	Part IV	\$	314,845.75
(Construction Phase Services)	Part V	\$	132,823.17
	Overall Agreement Amount	\$	910,259.18

This proposal contains \$5,200.00 of certified Disadvantaged Business Enterprise (DBE) participation representing 3.9% of the total proposal amount.

All Parts of this agreement include \$170,332.59 in services performed by certified Disadvantaged Business Enterprises (DBEs) for 18.7% of this Contract.

Proposed Method of Payment:	Specific Rate of Compensation
Estimated Contract Period:	30 Months

Engineers Name:	Boles, Smyth Associates, Inc.
Address:	2400 Chestnut Street Philadelphia, PA 19103

Federal ID No:	23-1863016
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Contact Person:	Jack Smyth Jr., P.E.
Position:	Project Manager

BSA PRICE PROPOSAL  
AGREEMENT #064129-H  
Church Road (T-801) Bridge over SEPTA Route 100 Rail Line  
(MPMS #16396)  
MONTGOMERY COUNTY

Part V - Construction Phase Services

Straight Time Factor 2.5073

Total Proposal Amount \$132,823.17

This proposal contains \$5,200.00 of certified Disadvantaged Business Enterprise (DBE) participation representing 3.9% of the total proposal amount.

Proposed Method of Payment: Specific Rate of Compensation  
Estimated Contract Period: 30 Months  
Total Estimated Hours: 1025

Engineers Name: Boles, Smyth Associates, Inc.  
Address: 2400 Chestnut Street  
Philadelphia, PA 19103

Federal ID No: 23-1863016

Contact Person: Jack Smyth Jr., P.E.  
Position: Project Manager  
Telephone No.: 215-561-2644

Proposal Prepared By: Michael C. Boles

BSA PRICE PROPOSAL  
AGREEMENT #064129-H  
Church Road (T-801) Bridge over SEPTA Route 100 Rail Line  
(MPMS #16396)  
MONTGOMERY COUNTY

COST SUMMARY

Total Specific Rates of Compensation	\$ 101,490.15
Direct Costs Other Than Payroll	\$ 2,250.00
Direct Cost By Others	\$ 26,449.97
Escalation of Specific Rates of Compensation	\$ 2,633.05
Total Cost	<u>\$ 132,823.17</u>

DERIVATION OF STRAIGHT TIME FACTOR

The Firm's Agreement Overhad Rate is	124.851%
Direct Payroll Portion	1.0000
Overhead (124.851%) Portion	<u>1.2485</u>
Subtotal	2.2485
Profit Portion (11.51% of Direct/Indirect Payroll)	<u>0.2588</u>
Straight Time Factor	2.5073

DERIVATION OF OVERTIME AND/OR HAZARDOUS DUTY FACTOR

None

DIRECT COSTS OTHER THAN PAYROLL

\$2,250.00

DIRECT COST BY OTHERS

\$26,449.97

ESCALATION OF SPECIFIC RATES OF COMPENSATION

\$ 2,633.05

AGREEMENT #064129-H  
 Church Road (T-801) Bridge over SEPTA Route 100 Rail Line  
 (MPMS #16396)  
 MONTGOMERY COUNTY  
 PART V - CONSTRUCTION PHASE SERVICES  
 SPECIFIC RATE OF COMPENSATION

**1 Post-Design Activities**

Senior Engineer	0 hrs. @	\$137.90	=	\$0.00
Senior Prof. Staff	10 hrs. @	\$137.09	=	\$1,370.90
Professional Staff	20 hrs. @	\$94.78	=	\$1,895.60
Technical Staff	50 hrs. @	\$63.81	=	\$3,190.50
Subtotal	80 hrs.			\$6,457.00

**2 Shop Drawing Review**

Senior Engineer	40 hrs. @	\$137.90	=	\$5,516.00
Senior Prof. Staff	100 hrs. @	\$137.09	=	\$13,709.00
Professional Staff	40 hrs. @	\$94.78	=	\$3,791.20
Technical Staff	80 hrs. @	\$63.81	=	\$5,104.80
Subtotal	260 hrs.			\$28,121.00

**3 Construction Consultation**

Senior Engineer	40 hrs. @	\$137.90	=	\$5,516.00
Senior Prof. Staff	110 hrs. @	\$137.09	=	\$15,079.90
Professional Staff	80 hrs. @	\$94.78	=	\$7,582.40
Technical Staff	140 hrs. @	\$63.81	=	\$8,933.40
Subtotal	370 hrs.			\$37,111.70

**4 Other Post-Design Activities**

Senior Engineer	10 hrs. @	\$137.90	=	\$1,379.00
Senior Prof. Staff	80 hrs. @	\$137.09	=	\$10,967.20
Professional Staff	100 hrs. @	\$94.78	=	\$9,478.00
Technical Staff	125 hrs. @	\$63.81	=	\$7,976.25
Subtotal	315 hrs.			\$29,800.45

**TOTAL DIRECT PAYROLL**

Senior Engineer	90 hrs. @	\$137.90	=	\$12,411.00
Senior Prof. Staff	300 hrs. @	\$137.09	=	\$41,127.00
Professional Staff	240 hrs. @	\$94.78	=	\$22,747.20
Technical Staff	395 hrs. @	\$63.81	=	\$25,204.95
Subtotal	1025 hrs.			\$101,490.15

AGREEMENT #064129-H  
 Church Road (T-801) Bridge over SEPTA Route 100 Rail Line  
 (MPMS #16396)  
 MONTGOMERY COUNTY

DIRECT COSTS OTHER THAN PAYROLL

SEPTA Rail Access Training Certifications (5 Employees at \$450.00/Seat) 2250

	Subtotal	\$2,250.00
		\$0.00
	TOTAL	\$2,250.00

DIRECT COST BY OTHERS

GeoStructures, Inc.	\$	21,249.97
PAQ, INC. (PAQ)	\$	5,200.00
		\$ 26,449.97

ESCALATION OF DIRECT/INDIRECT PAYROLL COSTS

We Anticipate a 3% Cost of Living Increase on July 1, 2019  
 The Anticipated Notice to Proceed Date is July 1, 2019  
 Estimated Completion Date 7/31/2016  
 Duration 30 Months  
 \$ 47,952.15 X 5.4910% \$ 2,633.05

ESCALATION OF DIRECT/INDIRECT PAYROLL COSTS

Escalation Factor	12 Month @	1.0300	12.3600
	12 Month @	1.0609	12.7308
	6 Month @	1.0927	6.5564
	30		31.6472
Escalation =	31.6472 divided by	30 Months =	5.491%

AGREEMENT #064129-H  
 Church Road (T-801) Bridge over SEPTA Route 100 Rail Line  
 MONTGOMERY COUNTY  
 EMPLOYEE CLASSIFICATIONS

Rates in Effect  
 From July 1, 2018  
 to June 30, 2019

NAME	CLASSIFICATION	ACTUAL HOURLY RATE	SPECIFIC RATE	AVERAGE SPECIFIC RATE
<b>A. SENIOR ENGINEERS</b>				
J. - Smyth	Senior Engineer	\$55.00	\$137.90	\$137.90
T. F. Boles	Project Engineer	\$55.00	\$137.90	
<b>B. SENIOR PROFESSIONAL STAFF</b>				
J. Smyth, Jr.	Design Engineer	\$53.55	\$134.27	\$137.09
M. C. Boles	Eng. Coordinator	\$55.00	\$137.90	
R. G. Wagenmann	Trans/Public Works Spec.	\$55.00	\$137.90	
S. R. Little	Transportation Specialist	\$55.00	\$137.90	
R. R. Leapson	Prof. Land Surveyor	\$55.00	\$137.90	
W. Au	Structural Engineer	\$54.50	\$136.65	
<b>C. PROFESSIONAL STAFF</b>				
P. J. Boles	Eng. Technician	\$40.10	\$100.54	\$94.78
D. Plett	Designer	\$37.30	\$93.52	
C. J. Zebley	Civil Ewngineer III	\$36.00	\$90.26	
<b>D. TECHNICAL STAFF</b>				
B. F. Hensyl	Eng. Technician	\$18.00	\$45.13	\$63.81
S. L. Gregory	Eng. Technician	\$31.35	\$78.60	
T. J. Rybas	Eng. Technician	\$27.00	\$67.70	



**DRAFT PRICE PROPOSAL**  
**Construction Phase Services**  
**Church Road (T-801) Bridge over SEPTA Route 100 Rail Line (MPMS #16396)**  
**Upper Merion Township, Montgomery Co., PA**

**PROPOSAL SUMMARY**

**Total Estimated Engineering Cost:** **\$21,249.97**

**Total Estimated Man-Hours:** **129**

**Proposed Method of Payment:** **Cost Plus Net Fee**

**Geotechnical Consultant:** **GeoStructures, Inc.**  
**Federal I.D. No.:** **23-3047359**

**Contact Person:** **Bashar S. Qubain, Ph.D., P.E.**

**Proposal Prepared By:** **Bashar S. Qubain, Ph.D., P.E.**

**Cost Summary**

a. Direct Labor Cost	\$7,306.00
b. Overhead (165.04%) x Direct Labor Cost	\$12,057.82
c. Subtotal: Direct + Indirect Costs	\$19,363.82
d. Profit: Subtotal (c) x Profit from ECMS, Category B (0.094)	\$1,820.20
e. Direct Costs Other Than Payroll	\$0.00
f. Mileage expense	\$65.95
g. Subtotal (c)+(d)+(e)+(f)	\$21,249.97
i. Escalation of Direct and Indirect Payroll Costs	\$0.00
j. Premium Pay for Overtime and/or Hazardous Duty	\$0.00

**Total Engineering Cost** **\$21,249.97**

**LIST OF ANTICIPATED PROJECT EMPLOYEES**

NAME	PROJECT ASSIGNMENT	RATE	AVERAGE RATE FOR CATEGORY
Bashar S. Qubain	Chief Geotechnical Engineer	\$83.50	\$83.50
Eric J. Seksinsky Jianchao Li	Senior Project Engineers	\$64.00 \$62.00	\$63.00
Daniel Eshete Kamil Nuzha	Project Engineers	\$42.50 \$40.00	\$41.25
Vasili Martysiuk	Staff Engineers	\$33.00	\$33.00

## Man-Hour/Direct Payroll Cost Estimate

### Task 1 - Post-Design Activities and Project Management

*Review of grouting qualifications, geotechnical related issues with alternatives, coordination, etc.*

Chief Geotechnical Engineer	8	hours @	\$83.50 /hour	\$668.00
Senior Project Engineers	16	hours @	\$63.00 /hour	\$1,008.00
<b>Subtotal</b>	<b>24</b>	<b>hours</b>		<b>\$1,676.00</b>

### Task 2 - Construction Consultation

*Meetings (6): 1 Pre-construction + 5 construction progress (assume 1 hr. prep. + 4 hrs. meeting = 5 hrs.)*

Senior Project Engineers	30	hours @	\$63.00 /hour	\$1,890.00
<b>Subtotal</b>	<b>30</b>	<b>hours</b>		<b>\$1,890.00</b>

*Special purpose field views (5): assess grouting and verify foundation subgrade (assume 5 hrs. each)*

Chief Geotechnical Engineer	5	hours @	\$83.50 /hour	\$417.50
Senior Project Engineers	10	hours @	\$63.00 /hour	\$630.00
Project Engineers	10	hours @	\$41.25 /hour	\$412.50
<b>Subtotal</b>	<b>25</b>	<b>hours</b>		<b>\$1,460.00</b>

*Review and response - 5 geotechnical related RFIs (assume 5 hrs. for each RFI)*

Senior Project Engineers	5	hours @	\$63.00 /hour	\$315.00
Project Engineers	20	hours @	\$41.25 /hour	\$825.00
<b>Subtotal</b>	<b>25</b>	<b>hours</b>		<b>\$1,140.00</b>

### Task 3 - Shop Drawing Review

*Assume 5 geotechnical related shop drawing reviews at 5 hrs. each*

Senior Project Engineers	5	hours @	\$63.00 /hour	\$315.00
Project Engineers	20	hours @	\$41.25 /hour	\$825.00
<b>Subtotal</b>	<b>25</b>	<b>hours</b>		<b>\$1,140.00</b>

<b>TOTAL</b>	<b>129</b>	<b>hours</b>	<b>TOTAL</b>	<b>\$7,306.00</b>
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**Mileage expense**

11 trips x 11 miles/trip = 121 miles @ \$0.545/mile

	\$65.95
<b><i>Mileage expense</i></b>	<b>\$65.95</b>



## PA TURNPIKE Interchange Study



# memorandum

**Date:** February 27, 2019

**To:** Steering Committee, PA Turnpike Interchange Study at Henderson Road

**From:** DVRPC Office of Corridor Planning

**Subject:** February 2019 Project Update

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## Project Status and Next Steps

Since the December 2018 bimonthly update, the project team has completed travel demand modeling for the 2045 No Build Scenario. **This memo presents two types of inputs applied to the 2045 No Build Scenario: 1) locally funded transportation projects that affect roadway capacity, and 2) demographic changes (population, number of households, and employment).** These input changes affect the 4-step travel demand model – trip generation, trip distribution, mode choice, and assignment – and will remain the same for the 2045 Build Scenario. Please note that the 2045 Build Scenario, which will be modeled after the 2045 No Build analysis is complete, will additionally assess the impact of the proposed new interchange on traffic circulation.

Moving forward, the project team will work on the 2045 No Build microsimulation model to determine the impact of this future growth on the local roadway network *without the proposed interchange*. The 2045 No Build microsimulation model results will be shared with the steering committee in the April 2019 bimonthly update.

## Inputs to the 2045 No Build Scenario

Two types of changes were made to the regional model network in the development of the 2045 No Build Scenario: 1) changes to the transportation network and 2) changes to household, population, and employment inputs. The scenario includes locally funded and regionally significant transportation projects, and it captures the impact of background growth and new land developments. Transportation network and demographic changes affect the 4-step travel demand model: trip generation, trip distribution, mode choice, and assignment.

**It is important to note that this memo shows data inputs, and it is not an assessment of traffic volumes generated by the presence or absence of the proposed new interchange.** The 2045 No Build Scenario does not include the proposed new interchange, and projected **2045 No Build** traffic volumes will be shared with the steering committee in the April 2019 memo.

## *Local Transportation Projects Included in the 2045 No Build Scenario*

By default, the regional model network includes regionally significant projects that are funded in the DVRPC Long-Range Plan. In addition to these, the project team added local projects implemented with local funding sources that will alter traffic operations or roadway capacity.

### Connecting People, Places & Prosperity in Greater Philadelphia

The Delaware Valley Regional Planning Commission (DVRPC) fully complies with Title VI of the Civil Rights Act of 1964 and related nondiscrimination statutes in all activities. For more information, visit [www.dvrpc.org/GetInvolved/TitleVI](http://www.dvrpc.org/GetInvolved/TitleVI).

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## PA TURNPIKE Interchange Study



The locally-funded projects added to the 2045 No Build model for this study are:

### **Brooks Road and South Gulph Road Improvements**

- New eastbound right-turn lane and overlap phase on South Gulph Road
- New westbound through lane on South Gulph Road from Church Road to west of Brooks Road
- New eastbound through lane on South Gulph Road between Brooks Road and Croton Road

### **Church Road and South Gulph Road Improvements**

- New traffic signal
- New southbound left-turn lane on Church Road

### **South Gulph Road and Crooked Lane Improvements**

- New eastbound through lane on South Gulph Road
- New westbound through lane on South Gulph Road from Gypsy Lane to Crooked Lane
- New southbound right-turn lane on Crooked Lane

### **Prince Frederick Street and Saulin Boulevard Extension**

- Construction of loop road from intersection of US 202 and Saulin Boulevard to intersection of Henderson Road and Prince Frederick Street: one lane in each direction and an inside left-turn lane for access to neighborhood streets
- Intersection improvements at US 202 and Saulin Boulevard and Henderson Road and Saulin Boulevard






### *Demographic Changes*

As mentioned previously, population, household, and employment changes affect the 4-step travel demand model. These demographic changes may lead to the generation of more trips and different types of trips, which must be distributed throughout the transportation network.

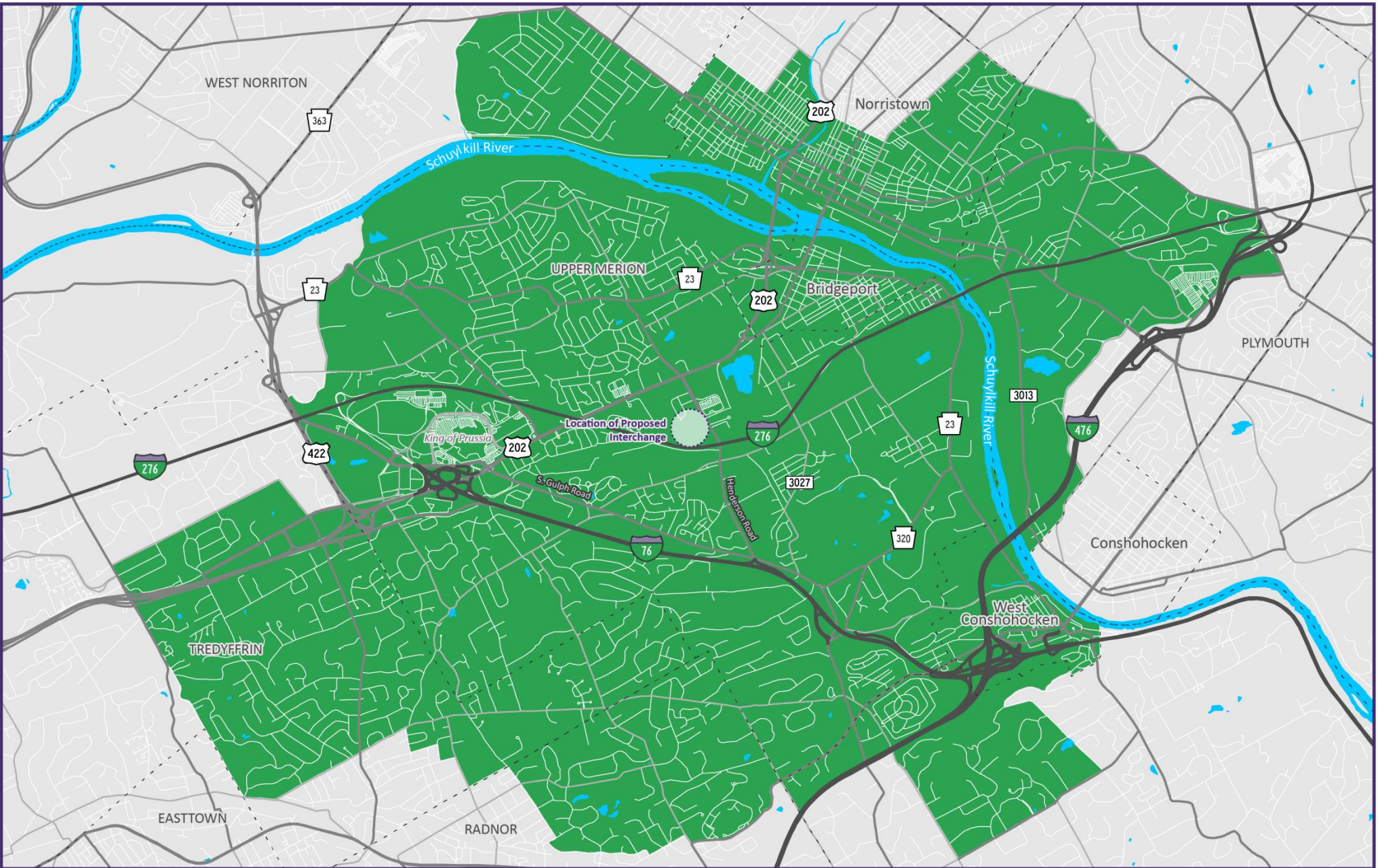
The 2045 No Build Scenario incorporates population, household, and employment changes resulting from background growth and new developments. **The map on the next page shows the percentage change in these demographic indicators between the base year regional model and the 2045 regional model for study area Traffic Analysis Zones (TAZs).** These demographic inputs will also apply to the 2045 Build Scenario.

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**PA TURNPIKE**  
Interchange Study  
**dvrpc**

Population % Change



**18%**

Household % Change



**18%**

Employment % Change



**22%**

**Demographic Changes (2015–2045)**



Source: DVRPC



**UPPER MERION TRANSPORTATION AUTHORITY  
REQUISITIONS FOR FEBRUARY 20, 2019**

<b>PAYEE</b>	<b>AMOUNT</b>	<b>DESCRIPTION</b>
<b>Boles, Smyth Assoc.</b>	<b>\$ 15,848.69</b>	<b>Trout Creek Bridge Replacement Project for Work performed for the Period 12-1-18 thru 12-31-18 INVOICE #34</b>
<b>Boles, Smyth Assoc.</b>	<b>\$ 53,424.14</b>	<b>Relocation of North Gulph Road (SR 3039) for work Performed 12-1-18 thru 12-31-18 INVOICE #61</b>
<b>Rudolph Clarke, LLC Suite 200 Seven Neshaminy Interplex Trevose, PA 19053</b>	<b>\$ 189.00</b>	<b>Professional Services General representation invoice#69989</b>
<b>Rudolph Clarke, LLC</b>	<b>\$ 675.00</b>	<b>Church Rd Bridge invoice #69987</b>
<b>Rudolph Clarke, LLC</b>	<b>\$ 189.00</b>	<b>Realen invoice #69988</b>
	<b><u>\$ 70,325.83</u></b>	



**Boles, Smyth Associates, Inc.**  
Consulting Civil Engineers Since 1972

January 28, 2019

Upper Merion Transportation Authority  
175 W. Valley Forge Road  
King of Prussia, PA 19406

Attn: Mr. Nick Hiriak

Ref: SR 0023, Section TCB  
Preliminary & Environmental Phase Services  
Upper Merion Township, Montgomery County

Sub: Transmittal of Invoice #34  
BSA# 2019-01-009-69.09

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #34 for the SR 0023, Section TCB – Trout Creek Bridge Replacement Project for work performed for the period December 1, 2018 through December 31, 2018.

If you have any questions about this submission, please contact me.

Thank you.

Sincerely,

A handwritten signature in blue ink that reads "Michael C. Boles". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Michael C. Boles

MCB:slg

Enclosures



ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No.

District 6-0 County Montgomery  
 S. R. 0023 Section TCB

State Project No. \_\_\_\_\_

Estimate No. 34  
 Estimate Period From 12/1/18 To 12/31/18

Federal Project No. \_\_\_\_\_

MPMS NO. 48172 Invoice # 2019-01-009-69.09

EXPIRATION DATE - THIS PART \_\_\_\_\_

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL  MAXIMUM \$342,518.21  75% OF MAXIMUM \$256,888.66	DIRECT/INDIRECT TO DATE	\$310,792.17	
	DIRECT/INDIRECT PREVIOUS	\$296,158.24	
	PAYROLL BILLED THIS ESTIMATE	\$6,508.28	
	OVERHEAD 124.851%	\$8,125.65	
	AMOUNT DUE		\$14,633.93
2. DIRECT COSTS OTHER THAN PAYROLL  MAXIMUM \$3,550.00  75% OF MAXIMUM \$2,662.50	TO DATE	\$3,449.50	
	PREVIOUS	\$3,449.50	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS  MAXIMUM \$187,626.02  75% OF MAXIMUM \$140,719.52	TO DATE	\$36,653.03	
	PREVIOUS	\$35,994.09	
	AMOUNT DUE		
4. NET FEE  \$14,626.79	NET FEE EARNED TO DATE 77.5% OF \$14,626.79	\$11,335.76	
	PREVIOUS	\$10,779.94	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$548,321.02	MAXIMUM AGREEMENT AMOUNT \$548,321.02		TOTAL THIS INVOICE  \$15,848.69
	TOTAL INVOICES TO DATE (THIS PART) \$362,230.46		

Boles, Smyth Associates, Inc.  
 2400 Chestnut Street  
 Philadelphia, PA 19103

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

SAP VENDOR NO. 120823

*Michael C. Boles*

Federal ID No: 23-1863016

Project Manager

1/28/19

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: \_\_\_\_\_

PART \_\_\_\_\_ I \_\_\_\_\_

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
1	Project Management / Administration	3.0%	99.6%	100.0%	3.0%
2	Preliminary Engineering (Through Safety Review & DFV)	22.1%	100.0%	100.0%	22.1%
3	Environmental Clearance	8.6%	100.0%	100.0%	8.6%
4	Structural / Geotechnical Engineering Coordination	19.2%	100.0%	100.0%	19.2%
5	Preliminary Right-of-Way Plans	9.4%	56.0%	70.3%	6.6%
6	Preliminary Traffic Control Plans	12.8%	24.1%	43.0%	5.5%
7	Preliminary Traffic Signal, Pavement Marking and Signing Plans	8.8%	32.9%	32.9%	2.9%
8	Preliminary Utility Coordination / Plans	6.9%	100.0%	100.0%	6.9%
9	Public Involvement	4.7%	46.5%	49.2%	2.3%
10	Norfolk & Southern Railroad Coordination	4.4%	9.4%	9.4%	0.4%
		100.0%	N/A	N/A	77.5%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: \_\_\_\_\_

PART                     I                    

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Reproduction	\$2,175.00	\$2,316.50	\$0.00
Traffic Counts	\$1,375.00	\$1,133.00	\$0.00
<b>TOTAL</b>	<b>\$3,550.00</b>	<b>\$3,449.50</b>	<b>\$0.00</b>
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
PAQ, Inc.	\$35,000.00	\$13,084.56	\$658.94
CHRS, Inc.	\$16,891.06	\$14,490.78	\$0.00
RK&K	\$67,500.00	\$9,077.69	\$0.00
PennDOT Subsurface Program *(Estimated)	\$68,234.96	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$187,626.02</b>	<b>\$36,653.03</b>	<b>\$658.94</b>

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT  
DIRECT PAYROLL TABULATION

Agreement No. \_\_\_\_\_

PART 1

PERIOD: FROM 11/1/18 TO 11/30/18

EMPLOYEE	CLASSIFICATION	DESCRIPTION OF WORK ITEMS										TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE APPROVED BY DEPARTMENT	PAYROLL THIS PERIOD			
		1	2	3	4	5	6	7	8	9	10							
J. Smyth, Jr.	Sr. Civil Engineer					11.0	13.0								24.0	\$53.55	7/1/18	\$1,285.20
M. C. Boles	Eng. Coord.	2.0	3.0			4.5			3.0						12.5	\$59.75	7/1/18	\$746.88
P. J. Boles	Eng. Technician						3.5								3.5	\$40.10	7/1/18	\$140.35
D. Plett	Eng. Technician					34.0	65.0								99.0	\$37.30	7/1/18	\$3,692.70
C. J. Zebley	Civil Engineer														0.0	\$32.70	7/1/18	\$0.00
V. R. Motlukpally	Trans. Engineer						15.0								15.0	\$25.25	7/1/18	\$378.75
R. G. Wagenmann	Trans. Specialist								2.0						2.0	\$59.60	7/1/18	\$119.20
W. Au	Structural Engineer														0.0	\$54.50	7/1/18	\$0.00
E. Jacinto	Structural Designer					4.0									4.0	\$36.30	7/1/18	\$145.20
J. B. Singer	Eng. Technician														0.0	\$17.50	4/1/18	\$0.00
TOTAL HOURS THIS ESTIMATE		2.0	3.0	0.0	0.0	53.5	96.5	0.0	5.0	0.0				160.0				
TOTAL HOURS PREVIOUS ESTIMATE		119.5	980.0	356.0	1019.0	210.0	123.0	115.0	282.5	86.0	16.5			3307.5				
TOTAL HOURS TO DATE		121.5	983.0	356.0	1019.0	263.5	219.5	115.0	282.5	91.0	16.5			3467.5				
CONTRACT TOTAL HOURS		120.0	880.0	340.0	765.0	375.0	510.0	350.0	275.0	185.0	175.0			3975.0				
% HOURS USED TO DATE		100.0	100.0	100.0	100.0	70.3	43.0	32.9	100.0	49.2	9.4			87.2				

**PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS NET FEE AGREEMENT**

S.R. 0023, Section TCB

NA  
STATE PROJECT NO.      ALLOT.

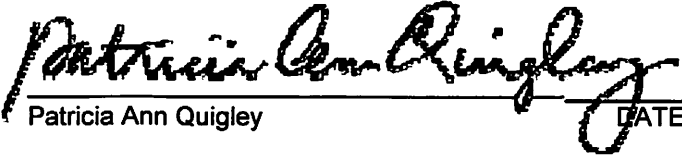
DIST. 6-0 Montgomery County

NA  
FEDERAL PROJECT NO.

ESTIMATE NO. 5      PAQ Invoice      2018-49

EXPIRATION DATE - THIS PART

ESTIMATE PERIOD FROM      September 1, 2018      TO      December 31, 2018

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$31,818.18 75% OF MAXIMUM \$23,863.64	DIRECT/INDIRECT TO DATE	\$11,895.05	
	DIRECT/INDIRECT PREVIOUS	\$11,296.02	
	PAYROLL BILLED THIS EST.	\$294.00	
	OVERHEAD      103.752%	\$305.03	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL - MAXIMUM \$0.00 75% OF MAXIMUM \$0.00			
	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS MAXIMUM \$0.00 75% OF MAXIMUM \$0.00			
	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
4. NET FEE  \$3,181.82	NET FEE EARNED TO DATE 10.00% of Dirct/Indirect	\$1,189.51	
	NET FEE PAID PREVIOUS	\$1,129.60	
	AMOUNT DUE		
TOTAL (THIS PART)  \$35,000.00	MAXIMUM AGREEMENT AMOUNT \$ 35,000.00		TOTAL THIS INVOICE
	TOTAL INVOICES TO DATE (THIS PART) \$13,084.56		
Patricia Ann Quigley, Inc 1080 Quarry Hall Rd. RD #1, Norristown, PA 19403  FEDERAL ID No. 23-2329184	I certify that the above invoice represents services rendered on this project and is true and correct, and all expenditures were incurred under a fully executed contract.   Patricia Ann Quigley		1/5/19 DATE

**PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS NET FEE AGREEMENT**

PAQ Invoice No. 2018-49

PERIOD FROM September 1, 2018 TO December 31, 2018

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Reproduction / printing Miscellaneous Expenses		0.00	0.00
<b>TOTALS</b>		0.00	0.00
<b>DIRECT COSTS BY OTHERS</b>			
<b>TOTALS</b>		0.00	0.00

**PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS NET FEE AGREEMENT**

**DIRECT PAYROLL  
TABULATION**

Period From September 1, 2018

TO

December 31, 2018

PAQ Invoice No. 2018-49

EMPLOYEE	CLASSIFI- CATION	DESCRIPTION OF WORK ITEMS						TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE RATE APPRVD BY DEPT	PAYROLL THIS PERIOD
		TASK 1 Project Management	TASK 2 PE Assistance	TASK 3 Environmental Clearance	TASK 4 Mitigation Concepts	TASK 5 Permit Coord	TASK 6 Public Involvement				
P. QUIGLEY	Principal			5.0				5.0	58.800	1/27/2017	\$294.00
S. Willig	Sr. Biologist							0.0	40.000	1/27/2017	\$0.00
C. Mulvey	Project Biol							0.0	43.000	1/27/2017	\$0.00
TOTAL HOURS THIS ESTIMATE		0.0	0.0	5.0	0.0	0.0	0.0	5.0		TOTAL PAYROLL THIS PERIOD	\$294.00
TOTAL HOURS PREV. ESTIMATE		8.0	4.0	87.0	0.0	0.0	0.0	99.0			
TOTAL HOURS TO DATE		8.0	4.0	92.0	0.0	0.0	0.0	104.0			
CONTRACT TOTAL HOURS		10.0	40.0	90.0	40.0	128.0	15.0	323.0			
% HOURS USED TO DATE		80.0%	10.0%	102.2%	0.0%	0.0%	0.0%	32.2%			

**Activities this Period:**

Update of PNDI including verification of lack of local habitat for RBT; coordination of CEE with Mark Radatti for approval.

**Anticipated Work Next Period:**

Continued coord w BSA on stream impacts in support of project permitting.



**Boles, Smyth Associates, Inc.**  
Consulting Civil Engineers Since 1972

January 28, 2019

Upper Merion Transportation Authority  
175 W. Valley Forge Road  
King of Prussia, PA 19406

Attn: Mr. Nick Hiriak

Re: Local Agreement No. 164228  
Montgomery County  
Relocation of North Gulph Road (SR 3039)  
Upper Merion Township

Sub: Transmittal of Invoice #61  
Tracking No. 2019-01-010-61.03

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #61 for the Relocation of North Gulph Road (SR 3039) in Upper Merion Township for work performed for the period December 1, 2018 through December 31, 2018.

If you have any questions about this submission, please contact me. Thank you.

Very truly yours,

A handwritten signature in blue ink that reads "Michael C. Boles". The signature is fluid and cursive.

Michael C. Boles

MCB:slg

Enclosures



**ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

Agreement No. 164228-A  
 District 6-0 County Montgomery  
 S. R. 0023 Section 2NG  
 Estimate No. 61  
 Estimate Period From 12/1/18 To 12/31/18  
 MPMS NO. 66952 2019-01-010-61.03

5-00422-04-2NG-064-313  
 State Project No.  
0020201-LY40  
 Federal Project No.  
August 14, 2019  
 EXPIRATION DATE - THIS PART

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
<b>1. DIRECT/INDIRECT PAYROLL</b>  MAXIMUM \$780,815.87  75% OF MAXIMUM \$585,611.90	DIRECT/INDIRECT TO DATE	\$346,855.76	
	DIRECT/INDIRECT PREVIOUS	\$333,880.76	
	PAYROLL BILLED THIS ESTIMATE	\$5,770.49	
	OVERHEAD 124.851%	\$7,204.51	
	AMOUNT DUE		
<b>2. DIRECT COSTS OTHER THAN PAYROLL</b>  MAXIMUM \$9,430.00  75% OF MAXIMUM \$7,072.50	TO DATE	\$4,669.00	
	PREVIOUS	\$4,669.00	
	AMOUNT DUE		
<b>3. DIRECT COST BY OTHERS</b>  MAXIMUM \$358,012.36  75% OF MAXIMUM \$268,509.27	TO DATE	\$161,842.54	
	PREVIOUS	\$122,576.77	
	AMOUNT DUE		
<b>4. NET FEE</b>  \$78,891.61	NET FEE EARNED TO DATE 39.7% OF \$78,891.61	\$31,319.97	
	PREVIOUS	\$30,136.60	
	AMOUNT DUE		
<b>5.</b>	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
<b>TOTAL (THIS PART)</b>  \$1,227,149.84	MAXIMUM AGREEMENT AMOUNT \$1,227,149.84		<b>TOTAL THIS INVOICE</b>  \$53,424.14
	TOTAL INVOICES TO DATE (THIS PART) \$544,687.27		

Boles, Smyth Associates, Inc.  
 2400 Chestnut Street  
 Philadelphia, PA 19103  
 SAP VENDOR NO. 120823

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

*Michael C. Boles*

Federal ID No: 23-1863016

1/28/19

Vice-President

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
1.1	Project Management / Administration	2.8%	51.9%	53.8%	1.5%
1.3	Public/Agency Involvement	3.5%	48.2%	50.0%	1.8%
4, 2.10.991A	Rightsizing Design	11.3%	92.1%	93.4%	10.5%
8.7/4.10	Safety Review/Design Field View	10.3%	66.5%	68.5%	7.0%
9	Pre-Final Utilities and Right-of-Way	4.6%	100.0%	100.0%	4.6%
10.1/10.2	CEE Reevaluation & Final Roadway Design	15.2%	51.5%	54.2%	8.2%
10.2.1/2, 4.2, 4	Final Drainage/Pavement Design, Specs. & X Sections	14.4%	17.5%	18.4%	2.7%
10.5	Final Right-of-Way Plan	4.6%	20.9%	26.2%	1.2%
10.8.4	Utility Clearance (D-419)	2.5%	71.7%	76.4%	1.9%
10.14/15	Traffic Control Plan & Traffic Signal Plans	8.3%	1.7%	3.9%	0.3%
10.25/26/27	E&S Plan/NPDES Permit & SWM Plan	12.3%	0.0%	0.0%	0.0%
10.28/29	Final Plans Check/FDOM & Assemble Bid Documents	8.6%	0.0%	0.0%	0.0%
11.1	Post Design Activities	1.6%	0.0%	0.0%	0.0%
		100.0%	N/A	N/A	39.7%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No 164228-A

PART I

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Reproduction	\$4,430.00	\$4,669.00	\$0.00
Infiltration Testing (PDA)	\$5,000.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$9,430.00</b>	<b>\$4,669.00</b>	<b>\$0.00</b>
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
AECOM (Formerly URS CORP. [URS])	\$93,511.51	\$67,729.22	\$17,130.04
PAQ, Inc.	\$63,287.51	\$14,644.79	\$3,747.65
CHRS, Inc.	\$72,138.87	\$7,412.94	\$6,416.03
Ground Reconsidered, Inc.	\$60,359.83	\$14,833.43	\$6,138.38
Gannett Fleming	\$68,714.64	\$57,222.16	\$5,833.67
<b>TOTAL</b>	<b>\$358,012.36</b>	<b>\$161,842.54</b>	<b>\$39,265.77</b>



ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. 164228-A  
 District 6-0 County Montgomery  
 S. R. 0023 Section 2NG  
 Estimate No. 12  
 Estimate Period From 12/8/18 To 1/11/19  
 MPMS NO. 66952

5-00422-04-2NG-064-313  
 State Project No. 0020201-LY40  
 Federal Project No. August 14, 2019  
 EXPIRATION DATE - THIS PART

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$56,617.13  75% OF MAXIMUM \$42,462.85	DIRECT/INDIRECT TO DATE	\$47,019.90	
	DIRECT/INDIRECT PREVIOUS	\$46,237.82	
	PAYROLL BILLED THIS ESTIMATE	\$330.20	
	OVERHEAD 136.850%	\$451.88	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$31,040.20 75% OF MAXIMUM \$23,280.15	TO DATE	\$15,920.60	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS MAXIMUM \$0.00 75% OF MAXIMUM \$0.00	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
4. NET FEE  \$5,854.18	NET FEE EARNED TO DATE 81.8% OF \$5,854.18	\$4,788.72	
	PREVIOUS	\$4,361.36	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$93,511.51	MAXIMUM AGREEMENT AMOUNT \$93,511.51		TOTAL THIS INVOICE
	TOTAL INVOICES TO DATE (THIS PART) \$67,729.22		\$17,130.04

AECOM Technical Services  
 1700 Market Street, Suite 1600  
 Philadelphia, PA 19103

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

SAP Vendor No. 172593

Federal ID No: 95-2661922

*Moreen E. Nolan*

1/22/2019

Project Manager  
 EXHIBIT "I"

**PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

Agreement No: 164228-A

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
2.1.1A	Project Management / Administration	3.2%	80.0%	85.0%	2.7%
2.5.1	Roadway Borings	36.2%	60.0%	80.0%	28.9%
2.5.2	Preliminary Geotechnical Report (PGER)	18.8%	100.0%	100.0%	18.8%
2.5.3	Pre-Final and Final Geotechnical Engineering Report	0.0%	0.0%	0.0%	0.0%
2.10.1A	Environmental Activities	41.8%	75.0%	75.0%	31.4%
2.10.29A	Assemble Bid Package Documents	0.0%	0.0%	0.0%	0.0%
		100.0%	N/A	N/A	81.8%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Travel	\$699.20	\$0.00	\$0.00
Printing	\$290.00	\$0.00	\$0.00
Drilling	\$21,755.00	\$0.00	\$15,920.60
Supplies	\$8,125.00	\$0.00	\$0.00
Miscellaneous	\$171.00	\$0.00	\$0.00
TOTAL	\$31,040.20	\$0.00	\$15,920.60
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
None	\$0.00	\$0.00	\$0.00
TOTAL	\$0.00	\$0.00	\$0.00

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. \_\_\_\_\_

164228-A

DIRECT PAYROLL TABULATION

PART \_\_\_\_\_

1

PERIOD: \_\_\_\_\_

FROM \_\_\_\_\_

12/8/18

EMPLOYEE	CLASSIFICATION	DESCRIPTION OF WORK ITEMS						TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	PAYROLL THIS PERIOD
		Project Management / Administration	Roadway Borings	Prelim. Geotechnical Engineering Report (PGER)	Pre-Final and Final Geotechnical Engineering Report	Environmental Activities	Assemble Bid Package Documents			
Noreen Nolan	Project Manager	2.1.1A	2.5.1	2.5.2	2.5.3	2.10.1A	2.10.29A	0.0	\$62.98	\$0.00
Bruce Shelly	Geotech Manager		4.0					4.0	\$74.57	\$298.28
Mary H Demarco	Geotech Inspector/Lab Coordinator		1.0					1.0	\$31.92	\$31.92
	TOTAL HOURS THIS ESTIMATE	0.0	5.0	0.0	0.0	0.0	0.0	5.0		\$330.20
	TOTAL HOURS PREVIOUS ESTIMATE	18.0	125.5	129.5	9.5	179.0	0.0	461.5		
	TOTAL HOURS TO DATE	18.0	130.5	129.5	9.5	179.0	0.0	466.5		
	CONTRACT TOTAL HOURS	18.0	204.0	106.0	0.0	236.0	0.0	564.0		
	% HOURS USED TO DATE	100%	64%	122%	0%	76%	0%	82.7%		





14 Gabriel Drive  
 Augusta, ME 04330  
 207-620-3800

**INVOICE**

**PLEASE REMIT TO:**  
 TRC Lockbox  
 P. O. Box 536282  
 Pittsburgh, PA 15253-5904

Bruce Shelly  
 AECOM Inc  
 625 West Ridge Pike  
 Suite E-100  
 Conshohocken, PA 19428

January 11, 2019  
 Project No: 314778.0000.0000  
 Invoice No: 58251  
 Project Manager Karen Reed

Project 314778.0000.0000 North Gulph Road Relocation

**Professional Services for the period of November 19, 2018 - December 3, 2018**

**Unit Billing**

201.02 Mobilization	1.0 Unit @ 3,500.00	3,500.00	
210.03(a) Cement Grout Backfill	292.7 Units @ 6.00	1,756.20	
220.01 Soft Dig for Utility Clearance	13.0 Units @ 185.00	2,405.00	
221.01 Nat'l Parks Spec. Use Permit	1.0 Unit @ 75.00	75.00	
Bond	1.0 Unit @ 537.00	537.00	
202.04(a)1 Cont Soil SPT Sampling	155.2 Units @ 30.75	4,772.40	
202.04(a)4 Unsampled	51.0 Units @ 18.00	918.00	
204.03(a) NX or NQ Rock Coring	51.5 Units @ 38.00	1,957.00	
<b>Total Units</b>	<b>1.0 times</b>	<b>15,920.60</b>	<b>15,920.60</b>
	<b>Total this Invoice</b>		<b>\$15,920.60</b>

Please reference Project # and Invoice # on payment. Payment Terms – Net 30



**North Gulph Road Relocation**  
 AECOM Technical Services, Inc. Attn: Bruce Shelly  
 625 West Ridge Pike, S. E-100, Conshohocken, PA 19428

**DRILLER'S BORING LOG TABULATION SHEET**

Driller	Boring No.	Date (s) Drilled	201.02 Mobilization LS	202.04(a)1 Cont Soil SPT Sampling LF	202.04(a)4 Unsampled LF	203.04(a) Thin-wall Tube Sampling Each	204.03(a) NX or NQ Rock Coring LF	210.03(a) Cement Grout Backfill LF	212.03(a) Standby, Borings on Land Eq/Cw Hour	218.03(a) Recall, Drill Rig LS	220.01 Soft Dig for Utility Clearance* Each	221.01 Nat'l Parks Spec. Use Permit* LS	Bond Each	
BH	Soft Dig	11/19/18	(PK-4, NG-1, NG-2, NG-3, NG-4, NG-5 & NG-6)									7	1	1
SW	NG-1	12/3/18		9	5		8	22						
SW	NG-2	12/3/18		12.5	5		7.5	25						
SW	NG-3	11/30-12/3		17.1	5		9	31.1						
SW	NG-4	11/29/18		20	5		1.5	26.5						
SW	NG-4B	11/29-11/30			21		6.5	32.5			1			
SW	NG-5	11/28/18		11.2	5		5	21.2						
SW	NG-6	11/28/18		18.9	5			23.9						
SW	PK-1	11/27/18		16.9				21.9			1			
SW	PK-2	11/26/18		6			7	18			1			
SW	PK-3	11/28/18		5.5				10.5			1			
SW	PK-4	11/20/18	1	22.6			5	32.6						
SW	SLA-1	11/27/18		15.3			2	22.3			1			
SW	SLA-3	11/27/18		0.2				5.2			1			

#DIV/0!

Totals			1	155.2	51	0	51.5	292.7	0	0	13	1	1
Unit Price			\$3,500.00	\$30.75	\$18.00	\$125.00	\$38.00	\$6.00	\$50.00	\$100.00	\$185.00	\$75.00	\$537.00
Totals	\$15,920.60		\$3,500.00	\$4,772.40	\$918.00	\$0.00	\$1,957.00	\$1,756.20	\$0.00	\$0.00	\$2,405.00	\$75.00	\$537.00

ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. 164228-A  
 District 6-0 County Montgomery  
 S. R. 0023 Section 2NG  
 Estimate No. 3  
 Estimate Period From 5/1/2018 To 12/31/2018

5-00422-04-2NG-064-313  
 State Project No.  
0020201-LY40  
 Federal Project No.  
August 14, 2019

MPMS NO. 66952

PAQ Invoice 18-48  
 EXPIRATION DATE - THIS PART

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL  MAXIMUM \$55,818.94  75% OF MAXIMUM \$41,864.21	DIRECT/INDIRECT TO DATE	\$13,091.33	
	DIRECT/INDIRECT PREVIOUS	\$9,739.51	
	PAYROLL BILLED THIS ESTIMATE	\$1,646.40	
	OVERHEAD 103.585%	\$1,705.42	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL  MAXIMUM \$0.00  75% OF MAXIMUM \$0.00	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS  MAXIMUM \$0.00  75% OF MAXIMUM \$0.00	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
4. NET FEE  \$7,468.57	NET FEE EARNED TO DATE 20.8% OF \$7,468.57	\$1,553.46	
	PREVIOUS	\$1,157.63	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$63,287.51	MAXIMUM AGREEMENT AMOUNT \$63,287.51		TOTAL THIS INVOICE  \$3,747.65
	TOTAL INVOICES TO DATE (THIS PART) \$14,644.79		

Patricia Ann Quigley, Inc  
 1080 Quarry Hall Rd.  
 RD #1, Norristown, PA 19403

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.



Federal ID No: 23-2329184

1/5/19

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
2.1.1A	Project Management / Administration	2.8%	26.7%	26.7%	0.8%
2.1.3A	Public/Agency Involvement	25.0%	7.6%	7.6%	1.9%
2.3.99A	Other Environmental Clearance/Design Activities	26.5%	5.7%	5.7%	1.5%
2.7.4A	Waterway Permits – 105/404 Permit /401	14.0%	0.0%	0.0%	0.0%
2.10.1A	Environmental Activities	31.8%	35.7%	52.4%	16.6%
		100.0%	N/A	N/A	20.8%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No 164228-A

PART I

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
None	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
None	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



# UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY

## ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

AGREEMENT NO. \_\_\_\_\_  
 DIST. 6-0 COUNTY Montgomery  
 S.R. 0023 SECTION 2NG  
 ESTIMATE NO. 3 DATE 10/2/2018  
 PERIOD FROM 8/1/2018 TO 9/30/18/2018  
 CLIENT NUMBER \_\_\_\_\_

STATE PROJECT NO. \_\_\_\_\_ ALLOT. \_\_\_\_\_  
 FEDERAL PROJECT NO. \_\_\_\_\_  
 EXPIRATION DATE - THIS PART \_\_\_\_\_

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$ 65,174.36 75% OF MAXIMUM \$ 48,880.77	DIRECT/INDIRECT TO DATE	\$ 2007.62	
	DIRECT/INDIRECT PREVIOUS	880.49	
	PAYROLL BILLED THIS EST.	436.00	
	OVERHEAD (158.515%)	691.13	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$ 642.60 75% OF MAXIMUM \$ 481.95	TO DATE	\$ 51.68	
	PREVIOUS	34.24	
	AMOUNT DUE		
3. DIRECT COSTS BY OTHERS MAXIMUM \$ 0.00 75% OF MAXIMUM \$ 0.00	TO DATE	\$ 0.00	
	PREVIOUS	0.00	
	AMOUNT DUE		
4. NET FEE \$ 6321.91	NET FEE EARNED TO DATE		
	2.90 % OF \$ 6321.91	\$ 183.34	
	NET FEE PAID PREVIOUS	82.18	
	AMOUNT DUE		\$ 101.16
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$ 72,138.87	MAXIMUM AGREEMENT AMOUNT \$ 72,138.57		TOTAL THIS INVOICE \$ 1245.73
	TOTAL INVOICES TO DATE (THIS PART) \$ 2242.64		

**Cultural Heritage Research Services, Inc.**  
 395 N. Cannon Avenue  
 Lansdale, PA 19446-2247

I certify that the above invoice represents services rendered on this project and is true and correct, and all expenditures were incurred under a fully executed contract.

  
 Kenneth J. Basalik, President - CHRS, Inc.

10/2/2018  
 Date

Federal ID No.: 51-0259208

Department's Technically Responsible Person \_\_\_\_\_  
 Date \_\_\_\_\_

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____					
PART: _____ I _____			CLIENT NUMBER: _____		
ITEM NUMBER	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETE LAST REPORT	% ITEM COMPLETE TO DATE	% OF TOTAL NET FEE TO DATE
1.	Task 2.1.1 – Project Management/Administration	3.3 %	0.0 %	8.7 %	0.3 %
2.	Task 2.2 Preliminary Engineering and Environment	87.4 %	1.5 %	3.0 %	2.6 %
3.	Task 2.3 Environmental Clearance /Designation	9.3 %	0.0 %	0.0 %	0.0 %
<b>TOTALS:</b>		<b>100.0 %</b>			<b>2.9 %</b>



**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____			
PART: _____ I _____		CLIENT NUMBER: _____	
DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
1. Travel	1. 405.00	1. 51.68	1. 17.44
2. Printing std	2. 30.00	2. 0.00	2. 0.00
3. Printing color oversized	3. 8.00	3. 0.00	3. 0.00
4. Printing color std	4. 12.00	4. 0.00	4. 0.00
5. Printing binding	5. 112.50	5. 0.00	5. 0.00
6. Tolls	6. 25.10	6. 0.00	6. 0.00
7. Repository Fees	7. 50.00	7. 0.00	7. 0.00
TOTALS:	\$ 642.60	\$ 51.68	\$ 17.44
<b>DIRECT COSTS BY OTHERS</b>			
TOTALS:	\$ 0.00	\$ 0.00	\$ 0.00



CHRS, Inc.

14

Name Kenneth J. Basalik

Monthly Time Sheet

Pay Period

September 2018

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	hrs \$		
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31		
administrative						1		2			1	3	3	3	2			15.00		
HOLIDA18				8														8.00		
SRT-0002					1	2	1				1	2	2	2				11.00		
DAWOOD08					1	4	4	4			5	3	2	3	5			31.00		
ROUT422A					1.5		2	1.5			1							6.00		
E04231-1					4.5		1	0.5							1			7.00		
RIDGEPIK						1												1.00		
BELTWAY2													1					1.00		
																		0.00		
																		0.00		
																		0.00		
																		0.00		
<b>1<sup>st</sup> Half Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>		<b>80.00</b>		
administrative			1	1	2	1	4			4	4	3	4					24.00		
PTCBEAV3 °			3	1						1			2	1				8.00		
SRT-0002			2	2			1				1							6.00		
E03649-2 °				1	2									1				4.00		
ROUT4030 °			1		1	3						1						6.00		
UMTA3031 °				1	1	3				1								6.00	✓	
DRESHER01 °			1			1	3						2	1				8.00		
PAOLI-02 °				2	2							1		2				7.00		
RIDGEPK										1	1							2.00		
UMTA-2NG °										1	2							3.00	✓	
BRIDG196 °												3						3.00		
SICKDA18														3				3.00		
																		0.00		
																		0.00		
																		0.00		
																		0.00		
																		0.00		
<b>2<sup>nd</sup> Half Totals</b>		<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>		<b>80.00</b>		
Approved	<i>Kenneth J. Basalik</i>																	Employee Signature:	<i>Kenneth J. Basalik</i>	

CHRS, Inc.

Name Kenneth J. Basalik

Monthly Time Sheet

Pay Period August 2018

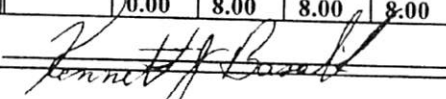

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	hrs \$		
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31	hrs	\$
administrative																			0.00	
E03649-2		4	4																8.00	
SRT-0002		2	1	2															5.00	
DAWOOD08		1		1															2.00	
ROUT422A		1		1															2.00	
DELDOT10			1																1.00	
E04231-1			2																2.00	
VACAT18				4			8	8	8	8	8			8	8	4			64.00	
E03649-6																2			2.00	
VALLEYFG																2			2.00	
																			0.00	
																			0.00	
<b>1<sup>st</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>		<b>88.00</b>		
administrative						2											2		4.00	
VACAT18		6																	6.00	
PAOLI-02 °		2	4				1	2	2	3			4	3		1			22.00	
BRIDGE21 °			2				1												3.00	
VALLEYFG			1				1												2.00	
AMTRAK1 °			1			1													2.00	
E03649-6						1										1			2.00	
SRT-0002						2	3									1			6.00	
E03649-2						1			2	1			2		1				7.00	
BELTWAY2 °						1													1.00	
DAWOOD08							1	4		3			2	4	3	2	2		21.00	
UMTA3017 °								1		0.5									1.50	✓
ROUT422A									2						4	3			9.00	
RIDGEPIK °										3.5									3.50	
SR3101-1 °											1								1.00	
KEIMST01 °															1				1.00	
PTVBEAV3 °																	4		4.00	
<b>2<sup>nd</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>96.00</b>		
Approved	<i>Kenneth J. Basalik</i>																	Employee Signature:	<i>Kenneth J. Basalik</i>	

CHRS, Inc.

Name Kevin Quigg

Monthly Time Sheet

Pay Period September 2018

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		Total	
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	hrs	\$
administrative											2	4	2	2					
HOLIDA18				8															10.00
VACATI18					8	8	8	8											8.00
ROUT422A																			32.00
BELTWAY2											6	3		1					10.00
DAWOOD08												1	2	1					4.00
SICKDA18													4	4					8.00
															8				8.00
																			0.00
																			0.00
																			0.00
																			0.00
																			0.00
<b>1<sup>st</sup> Half Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>		<b>80.00</b>	
administrative			3	2	4					6	6	6	4	4					35.00
ROUT422A			4	4	2					1				1					12.00
BELTWAY2			1		1					1	1		2						6.00
PTCBEAV3				2	1						1	1	1	1					7.00
SICKDA18						8	8												16.00
PAOLI-02												1	1						2.00
UMTA-2NG														2					2.00 ✓
																			0.00
																			0.00
																			0.00
																			0.00
<b>2<sup>nd</sup> Half Totals</b>		<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>80.00</b>	
Approved																	Employee Signature:		

# UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY

## ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

AGREEMENT NO. \_\_\_\_\_  
 DIST. 6-0 COUNTY Montgomery  
 S.R. 0023 SECTION 2NG  
 ESTIMATE NO. 4 DATE 11/7/2018  
 PERIOD FROM 10/1/2018 TO 10/31/2018  
 CLIENT NUMBER \_\_\_\_\_

STATE PROJECT NO. \_\_\_\_\_ ALLOT. \_\_\_\_\_  
 FEDERAL PROJECT NO. \_\_\_\_\_  
 EXPIRATION DATE - THIS PART \_\_\_\_\_

AGREEMENT AMOUNTS	AMOUNTS EARNED	AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$ 65,174.36 75% OF MAXIMUM \$ 48,880.77	DIRECT/INDIRECT TO DATE	\$ 3124.40
	DIRECT/INDIRECT PREVIOUS	2007.62
	PAYROLL BILLED THIS EST.	432.00
	OVERHEAD (158.515%)	684.78
	AMOUNT DUE	\$ 1116.78
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$ 642.60 75% OF MAXIMUM \$ 481.95	TO DATE	\$ 51.68
	PREVIOUS	51.68
	AMOUNT DUE	\$ 0.00
3. DIRECT COSTS BY OTHERS MAXIMUM \$ 0.00 75% OF MAXIMUM \$ 0.00	TO DATE	\$ 0.00
	PREVIOUS	0.00
	AMOUNT DUE	\$ 0.00
4. NET FEE \$ 6321.91	NET FEE EARNED TO DATE	
	3.50 % OF \$ 6321.91	\$ 221.27
	NET FEE PAID PREVIOUS	183.34
	AMOUNT DUE	\$ 37.93
5.	TO DATE	
	PREVIOUS	
	AMOUNT DUE	\$ 0.00
TOTAL (THIS PART) \$ 72,138.87	MAXIMUM AGREEMENT AMOUNT \$ 72,138.57 TOTAL INVOICES TO DATE (THIS PART) \$ 3397.35	TOTAL THIS INVOICE \$ 1154.71

**Cultural Heritage Research Services, Inc.**  
 395 N. Cannon Avenue  
 Lansdale, PA 19446-2247

I certify that the above invoice represents services rendered on this project and is true and correct, and all expenditures were incurred under a fully executed contract.

  
 Kenneth J. Basalik, President - CHRS, Inc.

11/7/2018  
 Date

Federal ID No.: 51-0259208

Department's Technically Responsible Person \_\_\_\_\_  
 Date \_\_\_\_\_

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.:		CLIENT NUMBER:			
PART: I					
ITEM NUMBER	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETE LAST REPORT	% ITEM COMPLETE TO DATE	% OF TOTAL NET FEE TO DATE
1.	Task 2.1.1 – Project Management/Administration	3.3 %	8.7 %	8.7 %	0.3 %
2.	Task 2.2 Preliminary Engineering and Environm	87.4 %	3.0 %	3.7 %	3.2 %
3.	Task 2.3 Environmental Clearance /Designation	9.3 %	0.0 %	0.0 %	0.0 %
<b>TOTALS:</b>		<b>100.0 %</b>			<b>3.5 %</b>



**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____			
PART: _____ I _____		CLIENT NUMBER: _____	
DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
1. Travel	1. 405.00	1. 51.68	1. 0.00
2. Printing std	2. 30.00	2. 0.00	2. 0.00
3. Printing color oversized	3. 8.00	3. 0.00	3. 0.00
4. Printing color std	4. 12.00	4. 0.00	4. 0.00
5. Printing binding	5. 112.50	5. 0.00	5. 0.00
6. Tolls	6. 25.10	6. 0.00	6. 0.00
7. Repository Fees	7. 50.00	7. 0.00	7. 0.00
<b>TOTALS:</b>	<b>\$ 642.60</b>	<b>\$ 51.68</b>	<b>\$ 0.00</b>
<b>DIRECT COSTS BY OTHERS</b>			
<b>TOTALS:</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>





CHRS, Inc.

16

Name Kenneth J. Basalik

Monthly Time Sheet

Pay Period

October 2018

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total hrs \$	
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
administrative		2	3	2	2	6				1		1	4			4	25.00	
E03649-2		1			1												2.00	
PAOLI-02		3	2														5.00	
DRESHER1		1		1				1	2		1						6.00	
DAWOOD08		1						1	1								3.00	
SRT-0002			2	2	1						1	1					7.00	
BELTWAY2			1	1		1				1			1				5.00	
THOMPSON				1	1												2.00	
UMTA-2NG				1	2	1		2					2				8.00	
E04231-1					1			2	1	8	2					4	18.00	
ROUTE307								2	1		1						4.00	
AMTRAK02										1		2					3.00	
<b>1<sup>st</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>88.00</b>	
administrative			1	1						1	1				1	1	6.00	
E04231-1		1	4	1	3			2	2		1	2			2	1	19.00	
SRT-0002		2						0.5	1.5	1		1					6.00	
AMTRAK02		2	1	1	1					1						1	7.00	
ROUTE030 *		3	1	5	2			1	2	1		1					16.00	
VALLEYFG *			1														1.00	
ROUTE307					1							1					2.00	
BELTWAY2					1						1	1			1	1	5.00	
ROUT422A *								0.5	0.5	1				1	0.5		3.50	
DELDOT10 *								2	1	1						0.5	4.50	
E03649-2								2	1	2	1				1	1	8.00	
BRIDG196 *										1							1.00	
I-95-AFC *											1.5					1	2.50	
UMTA-2NG											1				1		4.00	
PAOLI-02											1.5						1.50	
THOMPSON												1			1	1	4.00	
PINECRK1 *																1	4	5.00
<b>2<sup>nd</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>96.00</b>
Approved	<u>Kenneth J. Basalik</u>																	
Employee Signature:	<u>Kenneth J. Basalik</u>																	

# UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY

## ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

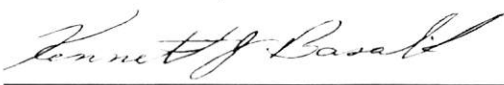
AGREEMENT NO. \_\_\_\_\_  
 DIST. 6-0 COUNTY Montgomery  
 S.R. 0023 SECTION 2NG  
 ESTIMATE NO. 5 DATE 1/4/2019  
 PERIOD FROM 11/1/2018 TO 12/31/2018  
 CLIENT NUMBER \_\_\_\_\_

STATE PROJECT NO. \_\_\_\_\_ ALLOT. \_\_\_\_\_  
 FEDERAL PROJECT NO. \_\_\_\_\_  
 EXPIRATION DATE - THIS PART \_\_\_\_\_

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$ 65,174.36 75% OF MAXIMUM \$ 48,880.77	DIRECT/INDIRECT TO DATE	\$ 6738.44	
	DIRECT/INDIRECT PREVIOUS	3124.40	
	PAYROLL BILLED THIS EST.	1398.00	
	OVERHEAD (158.515%)	2216.04	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$ 642.60 75% OF MAXIMUM \$ 481.95	TO DATE	\$ 86.56	
	PREVIOUS	51.68	
	AMOUNT DUE		
3. DIRECT COSTS BY OTHERS MAXIMUM \$ 0.00 75% OF MAXIMUM \$ 0.00	TO DATE	\$ 0.00	
	PREVIOUS	0.00	
	AMOUNT DUE		
4. NET FEE \$ 6321.91	NET FEE EARNED TO DATE 9.30 % OF \$ 6321.91	\$ 587.94	
	NET FEE PAID PREVIOUS	221.27	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART) \$ 72,138.87	MAXIMUM AGREEMENT AMOUNT \$ 72,138.57 TOTAL INVOICES TO DATE (THIS PART) \$ 7412.94	TOTAL THIS INVOICE \$ 4015.59	

**Cultural Heritage Research Services, Inc.**  
 395 N. Cannon Avenue  
 Lansdale, PA 19446-2247

I certify that the above invoice represents services rendered on this project and is true and correct, and all expenditures were incurred under a fully executed contract.

  
 Kenneth J. Basalik, President - CHRS, Inc.

1/4/2019  
 Date

Federal ID No.: 51-0259208

Department's Technically Responsible Person \_\_\_\_\_  
 Date \_\_\_\_\_

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____					
PART: _____ I _____			CLIENT NUMBER: _____		
ITEM NUMBER	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETE LAST REPORT	% ITEM COMPLETE TO DATE	% OF TOTAL NET FEE TO DATE
1.	Task 2.1.1 – Project Management/Administration	3.3 %	8.7 %	17.0 %	0.6 %
2.	Task 2.2 Preliminary Engineering and Environment	87.4 %	3.0 %	10.0 %	8.7 %
3.	Task 2.3 Environmental Clearance /Designation	9.3 %	0.0 %	0.0 %	0.0 %
<b>TOTALS:</b>		<b>100.0 %</b>			<b>9.3 %</b>

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____			
PART: _____ I _____		CLIENT NUMBER: _____	
DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
1. Travel	1. 405.00	1. 86.56	1. 34.88
2. Printing std	2. 30.00	2. 0.00	2. 0.00
3. Printing color oversized	3. 8.00	3. 0.00	3. 0.00
4. Printing color std	4. 12.00	4. 0.00	4. 0.00
5. Printing binding	5. 112.50	5. 0.00	5. 0.00
6. Tolls	6. 25.10	6. 0.00	6. 0.00
7. Repository Fees	7. 50.00	7. 0.00	7. 0.00
<b>TOTALS:</b>	<b>\$ 642.60</b>	<b>\$ 86.56</b>	<b>\$ 34.88</b>
<b>DIRECT COSTS BY OTHERS</b>			
<b>TOTALS:</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>







Name Kenneth J. Basalik

CHRS, Inc.

Monthly Time Sheet

Pay Period

December 2018

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		31
administrative																	hrs	\$
E03649-2				3	1		1										0.00	
BELTWAY2				3	2		1	1					2		1		8.00	
TRILEAF2				1	3		3					2			1		10.00	
BRIDG167				1	1				2					1			9.00	
SRT-0001					1								1				5.00	
VACATI18							8										1.00	
AMTRAK02									1	2				3	4		15.00	
PTCBEAV3									2	2			1	1		2	7.00	
E04231-1									2	2							4.00	
UMTA-2NG																	1.00	
ROUTE030											8	2	2	4			16.00	
BRIDG221												1	1				2.00	
<b>1<sup>st</sup> Half Totals</b>			0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	0.00	2.00	
administrative																	80.00	
E3649-10				3	1	1											0.00	
TRILEAF2				0.5	1												5.00	
VACATI18				3			8	8									1.50	
HOLIDA18										8		8	8	8			59.00	
UMTA-2NG				1	2	2					8						8.00	
MARGARET				0.5													5.00	
BELTWAY2					1	1											0.50	
AMTRAK02					2	1											2.00	
ROUT422A					1	1											3.00	
TOWAMEN						2											2.00	
																	2.00	
																	0.00	
																	0.00	
																	0.00	
																	0.00	
<b>2<sup>nd</sup> Half Totals</b>			0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	8.00	8.00	8.00	0.00	0.00	8.00	0.00
<b>Approved</b>	<u>Kenneth J. Basalik</u>																88.00	
<b>Employee Signature:</b>	<u>Kenneth J. Basalik</u>																	



Name Kevin Quigg

Monthly Time Sheet

Pay Period December 2018

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total	
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	hrs \$
administrative																		0.00
TRILEAF2				3	3	4					3	1	1					15.00
BELTWAY2				2	2	2					2	2	2					12.00
UMTA-2NG				1	1						1	1						4.00
AMTRAK02				1	2	2					2	3	2					12.00
BRIDG150				1														1.00
VACATI18							8											8.00
E03649-2													1					1.00
SRT-0001													1					1.00
ROUTE030												1	1					2.00
																		0.00
																		0.00
<b>1<sup>st</sup> Half Totals</b>		0.00	0.00	8.00	8.00	8.00	8.00	0.00	0.00	0.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	56.00
administrative																		0.00
TRILEAF2			1	2			4					4	4					15.00
BELTWAY2			1	1		2						2	1					7.00
E3649-2			2															2.00
AMTRAK02			3	4										4				11.00
UMTA-2NG			1	1														2.00
VALLEYFG													3	1				7.00
HOLIDA18						2						1						8.00
DRESHER2												1						1.00
TRILEAF														1				1.00
																		0.00
																		0.00
<b>2<sup>nd</sup> Half Totals</b>		0.00	8.00	8.00	0.00	0.00	8.00	0.00	0.00	0.00	8.00	8.00	8.00	6.00	0.00	0.00	0.00	54.00
<b>Approved</b>																		

Employee Signature:

*Kevin Quigg*



ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. 164228-A

5-00422-04-2NG-064-313

District 6-0 County Montgomery

State Project No.

S. R. 0023 Section 2NG

0020201-LY40

Estimate No. 3

Federal Project No.

Estimate Period From 6/1/18 To 12/31/18

August 14, 2019

MPMS NO. 66952

EXPIRATION DATE - THIS PART

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL  MAXIMUM \$53,904.05  75% OF MAXIMUM \$40,428.04	DIRECT/INDIRECT TO DATE	\$13,255.95	
	DIRECT/INDIRECT PREVIOUS	\$7,574.97	
	PAYROLL BILLED THIS ESTIMATE	\$2,180.80	
	OVERHEAD 160.500%	\$3,500.18	
	AMOUNT DUE		\$5,680.98
2. DIRECT COSTS OTHER THAN PAYROLL  MAXIMUM \$798.00  75% OF MAXIMUM \$598.50	TO DATE	\$259.22	
	PREVIOUS	\$237.47	
	AMOUNT DUE		\$21.75
3. DIRECT COST BY OTHERS  MAXIMUM \$0.00  75% OF MAXIMUM \$0.00	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		\$0.00
4. NET FEE  \$5,657.78	NET FEE EARNED TO DATE 23.3% OF \$5,657.78	\$1,318.26	
	PREVIOUS	\$882.61	
	AMOUNT DUE		\$435.65
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$60,359.83	MAXIMUM AGREEMENT AMOUNT \$60,359.83		TOTAL THIS INVOICE
	TOTAL INVOICES TO DATE (THIS PART) \$14,833.43		\$6,138.38

Ground Reconsidered, Inc.  
230 S. Broad Street, Suite 604  
Philadelphia, PA 19102

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

*Julia A. Bush*

Federal ID No: 23-2659889

1/09/19

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
2.1.1A	Project Management / Administration	3.4%	13.6%	43.2%	1.5%
2.10.1.3A	Environmental Re-Evaluation	21.9%	22.9%	67.4%	14.7%
2.10.27A	Roadside Development	62.2%	16.2%	11.4%	7.1%
2.10.30A	Assemble Bid Package Documents	12.5%	0.0%	0.0%	0.0%
		100.0%	N/A	N/A	23.3%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Travel	\$214.00	\$143.47	\$0.00
Reproduction	\$584.00	\$115.75	\$21.75
<b>TOTAL</b>	<b>\$798.00</b>	<b>\$259.22</b>	<b>\$21.75</b>
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
None	\$0.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>



JOB #	ITEM	VENDOR	AMOUNT	HOW PAID	TOTAL
1719.00	PHONE	VERIZON			
	FAX	COLOR CO			
	POSTAGE	GR - PO			
	COURIER	IDS			
	AIR EXPRESS	FEDEX			
	COLOR COPY	COLOR CO			
	B & W COPY	COLOR CO	\$9.75		
	PRINTS	COLOR CO			
	PLOTS	COLOR CO			
	TRAVEL	SEPTA			
	TRAVEL	CARSHARE/RENTAL			
	TRAVEL	TAXI			
	TRAVEL	MILAGE			
	SUPPLIES	STAPLES			
	SUPPLIES				
	SUPPLIES				
					\$9.75

JOB #	ITEM	VENDOR	AMOUNT	HOW PAID	TOTAL
1719.00	PHONE	VERIZON			
	FAX	COLOR CO			
	POSTAGE	GR - PO			
	COURIER	IDS			
	AIR EXPRESS	FEDEX			
	COLOR COPY	COLOR CO			
	B & W COPY	COLOR CO			
	PRINTS	COLOR CO			
	PLOTS	COLOR CO	\$11.00		
	TRAVEL	SEPTA			
	TRAVEL	CARSHARE/RENTAL			
	TRAVEL	TAXI			
	TRAVEL	MILAGE			
	SUPPLIES	STAPLES			
	SUPPLIES				
	SUPPLIES				
					\$11.00



## Detailed Hours Job Report for the Month

**Job Full Path: 1719.00 PennDOT- Relocated North Gulph Road wBoles/Smyth**

**Last, First Name: Bush, Julie**

Date	Hours
11/13/2018	1.50
12/04/2018	0.50
12/06/2018	1.00
12/12/2018	0.50
12/20/2018	4.00
<b>Subtotal ( Last, First Name: Bush, Julie )</b>	
	<b>7.50</b>

**Last, First Name: Adams, Brittany**

Date	Hours
11/13/2018	1.00
11/14/2018	6.00
11/15/2018	2.00
11/20/2018	0.75
12/04/2018	3.00
12/05/2018	4.00
12/06/2018	5.50
12/07/2018	5.50
12/10/2018	7.00
12/11/2018	2.50
12/12/2018	7.00
12/13/2018	7.00
12/14/2018	7.50
12/18/2018	2.00
12/19/2018	0.50
12/20/2018	6.00
12/21/2018	1.00
<b>Subtotal ( Last, First Name: Adams, Brittany )</b>	
	<b>68.25</b>

**Subtotal ( Job Full Path: 1719.00 PennDOT- Relocated North Gulph Road wBoles/Smyth )**

	<b>75.75</b>
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**OVERHEAD RATE**

Ground Reconsidered, Inc. - 004043

[Qualifications Package](#)

Type: Corporation

DBE Type: DBE SBE: Y

Fiscal Year End: 12/31/2017  
Report Submitted: 06/20/2018  
Premium Pay: No

Status: Approved  
Expiration: 06/30/2019

Dual Overhead: No  
Audited: No  
Overhead: 160.500%

Overtime: 50.00%  
Hazardous: 20.00%

Comments: Ground Reconsidered, Inc., does not have any executive whose annual compensation exceeds \$120,000.00, so we have not submitted the Executive Compensation Worksheet as part of our overhead rate.

Attachments: [2018 SIGNED Overhead Rate Package - submission 2.pdf](#)

**Workflow**

Status	Name	Disposition	Date/Time
Draft	Anita T Lager/PennDOT BP-004043	Submit	06/20/2018 04:23:36 PM
Pending	Thomas O Miller/PennDOT	Approve	07/02/2018 10:37:33 AM

*This rate is subject to audit verification by the Bureau of Fiscal Management. Our acceptance of this overhead rate does not extend beyond contracts with the Pennsylvania Department of Transportation. Any other entity contracting with your firm is responsible for determining the acceptability of your overhead statement. Proposals for new agreements that are Federally-funded should use the above stated rate. If you are party to an agreement that requires you to develop a FAR rate and to submit a request for a supplement to adjust the Agreement amount, please make your supplemental agreement request through the appropriate Department Project Manager, using the above stated rate. The terms and conditions of all existing Agreements remain in full force and effect. An overhead rate for billing purposes must be developed accordingly. As the overhead rate is unaudited, its use is limited to the provisions set forth in PennDOT Publication 93, Section 3.6.3. The consultant that submits an unaudited FAR overhead rate(s) statement will be limited to being a subconsultant on PennDOT projects with direct plus indirect costs for each subconsultant agreement limited to a maximum of \$250,000.*

**Audit Information**

Created By	Created On	Modified By	Modified On
Anita T Lager/PennDOT BP-004043	06/20/2018 04:23:21 PM	Thomas O Miller/PennDOT	07/02/2018 10:37:33 AM

You are currently logged in as Anita T. Lager. If this is incorrect, please [login](#). Your session will timeout in 29 minutes.



# INVOICE

*Excellence Delivered As Promised*

**ACH/EFT Payment Information:**  
ABA: 031312738  
Account No.: 5003165655  
Account Name: Gannett Fleming

Boles Smyth Associates, Inc.  
Attn: Mr. Michael C. Boles, Vice President  
2400 Chestnut Street  
Philadelphia, PA 19103-4316

**Check Payment Information:**  
Gannett Fleming, Inc.  
PO Box 829160  
Philadelphia, PA 19182-9160

**Project:** 063697.01  
**Invoice No:** 063697.01\*68036  
**Invoice Date:** January 18, 2019

**Federal EIN:** 25-1613591  
**Send Remit Info:** AccountsReceivable@gfnet.com

**For Professional Services Rendered through: December 28, 2018**

**Project Manager :** Ahmed A. El-Aassar      [aelaassar@envact.com](mailto:aelaassar@envact.com)      **703 277-9501**

Prime Agreement Number 164228-A  
SR0023, Section 2NG Project, Relocated North Gulph Road, Montgomery County, MPMS# 66952  
Subconsulting Agreement No. 2017-6103-003

		<u>Previously Invoiced</u>	<u>Current Invoice</u>	<u>Total Invoiced</u>
Direct Salaries		\$ 17,658.00	\$ 2,071.40	\$ 19,729.40
Overhead	156.68%	27,666.54	3,245.47	30,912.01
Subtotal		<u>\$ 45,324.54</u>	<u>\$ 5,316.87</u>	<u>\$ 50,641.41</u>
Profit	9.72%	4,405.55	516.80	4,922.35
Total Payroll Related Costs		<u>\$ 49,730.09</u>	<u>\$ 5,833.67</u>	<u>\$ 55,563.76</u>
Other Direct Costs		1,658.40	0.00	1,658.40
Total Earned		<u>\$ 51,388.49</u>	<u>\$ 5,833.67</u>	<u>\$ 57,222.16</u>

**Total Due This Invoice ..... \$5,833.67**

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**Employee Hours and Costs Breakdown****Direct Salaries**

<u>Employee Name</u>	<u>Classification</u>	<u>Hours</u>	<u>Actual Rate</u>	<u>Billing Rate</u>	<u>Regular Amount</u>
Adam T. Alexander	Senior Noise Analyst	4.00	\$ 68.00	\$ 68.00	\$ 272.00
Ahmed A. El-Aassar	Engineer V	18.00	66.50	63.60	1,144.80
Caroline L. Suffern		1.00	30.10	30.10	30.10
Kevin A. Brown	Noise Technician	24.00	20.00	20.00	480.00
Sondra K. Peterson	Noise Technician	5.00	28.90	28.90	144.50
		<b>52.00</b>			<b>\$ 2,071.40</b>

**Project Time Certification Hours Report For the Period: 11/24/2018 To 12/28/2018**



**Project:** 063697 BSA/UMTA-SR0023 Sec2NG NoiseAnalysis

**Client:** 26689001 Boles Smyth Associates, Inc.

**Employee:** 16328 Alexander, Adam T.

**Class:** Senior Noise Analyst

Prd. End Date:	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Total
12/7/2018	11/24	11/25	11/26	11/27	11/28	11/29	11/30	12/01	12/02	12/03	12/04	12/05	12/06	12/07	Hours
<b>Regular</b>	-	-	-	-	2.00	2.00	-	-	-	-	-	-	-	-	4.00
<b>Totals</b>	-	-	-	-	<b>2.00</b>	<b>2.00</b>	-	-	-	-	-	-	-	-	<b>4.00</b>
Date Signed/By:	12/6/2018 Alexander, Adam T			Date Approved/By:			12/6/2018 El-Aassar, Ahmed								
<b>Total For Alexander, Adam T.</b>	-	-	-	-	<b>2.00</b>	<b>2.00</b>	-	-	-	-	-	-	-	-	<b>4.00</b>

The above compilation is a summary of information from timesheets prepared, signed and approved electronically.

**Project Time Certification Hours Report For the Period: 11/24/2018 To 12/28/2018**



**Project:** 063697 BSA/UMTA-SR0023 Sec2NG NoiseAnalysis

**Client:** 26689001 Boles Smyth Associates, Inc.

**Employee:** 26442 Brown, Kevin A.

**Class:** Noise Technician

Prd. End Date:	12/21/2018	Sat 12/08	Sun 12/09	Mon 12/10	Tue 12/11	Wed 12/12	Thu 12/13	Fri 12/14	Sat 12/15	Sun 12/16	Mon 12/17	Tue 12/18	Wed 12/19	Thu 12/20	Fri 12/21	Total Hours
<b>Regular</b>		-	-	8.00	8.00	8.00	-	-	-	-	-	-	-	-	-	24.00
<b>Totals</b>		-	-	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	-	-	-	-	-	-	-	-	-	<b>24.00</b>
Date Signed/By:		12/20/2018		Brown, Kevin A		Date Approved/By:					12/20/2018		El-Aassar, Ahmed			
<b>Total For Brown, Kevin A.</b>		-	-	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	-	-	-	-	-	-	-	-	-	<b>24.00</b>

The above compilation is a summary of information from timesheets prepared, signed and approved electronically.

**Project Time Certification Hours Report For the Period: 11/24/2018 To 12/28/2018**



**Project:** 063697 BSA/UMTA-SR0023 Sec2NG NoiseAnalysis

**Client:** 26689001 Boles Smyth Associates, Inc.

**Employee:** 13462 El-Aassar, Ahmed A.

**Class:** Engineer V

Prd. End Date:	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Total
12/7/2018	11/24	11/25	11/26	11/27	11/28	11/29	11/30	12/01	12/02	12/03	12/04	12/05	12/06	12/07	Hours
<b>Regular</b>	-	-	1.00	-	2.00	-	-	-	-	-	-	-	-	-	3.00
<b>Overtime</b>	-	-	-	3.00	-	-	-	-	-	-	-	-	-	-	3.00
<b>Totals</b>	-	-	1.00	3.00	2.00	-	-	-	-	-	-	-	-	-	6.00
Date Signed/By:			12/6/2018	El-Aassar, Ahmed				Date Approved/By:			12/7/2018	Barrett II, Warren A.			

Prd. End Date:	12/08	12/09	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	Hours
12/21/2018	12/08	12/09	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	Hours
<b>Regular</b>	-	-	8.00	-	-	1.00	-	-	-	-	1.00	-	-	-	10.00
<b>Overtime</b>	-	-	-	-	1.00	-	-	-	1.00	-	-	-	-	-	2.00
<b>Totals</b>	-	-	8.00	-	1.00	1.00	-	-	1.00	-	1.00	-	-	-	12.00
Date Signed/By:		12/20/2018	El-Aassar, Ahmed				Date Approved/By:			12/20/2018	Barrett II, Warren A.				

<b>Total For El-Aassar, Ahmed A.</b>	-	-	9.00	3.00	3.00	1.00	-	-	1.00	-	1.00	-	-	-	18.00
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The above compilation is a summary of information from timesheets prepared, signed and approved electronically.

**Project Time Certification Hours Report For the Period: 11/24/2018 To 12/28/2018**



**Project:** 063697 BSA/UMTA-SR0023 Sec2NG NoiseAnalysis

**Client:** 26689001 Boles Smyth Associates, Inc.

**Employee:** 11265 Peterson, Sondra K.

**Class:** Noise Technician

Prd. End Date:	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Total
12/7/2018	11/24	11/25	11/26	11/27	11/28	11/29	11/30	12/01	12/02	12/03	12/04	12/05	12/06	12/07	Hours
<b>Regular</b>	-	-	-	-	-	5.00	-	-	-	-	-	-	-	-	5.00
<b>Totals</b>	-	-	-	-	-	5.00	-	-	-	-	-	-	-	-	5.00
Date Signed/By: 12/6/2018 Peterson, Sondra K.			Date Approved/By: 12/6/2018 El-Aassar, Ahmed												
<b>Total For Peterson, Sondra K.</b>	-	-	-	-	-	5.00	-	-	-	-	-	-	-	-	5.00

The above compilation is a summary of information from timesheets prepared, signed and approved electronically.



**Project Time Certification Hours Report For the Period: 11/24/2018 To 12/28/2018**



**Project:** 063697 BSA/UMTA-SR0023 Sec2NG NoiseAnalysis

**Client:** 26689001 Boles Smyth Associates, Inc.

**Employee:** 26897 Suffern, Caroline L.

**Class:** \_\_\_\_\_

Prd. End Date:	12/21/2018	12/08	12/09	12/10	12/11	12/12	12/13	12/14	12/15	12/16	12/17	12/18	12/19	12/20	12/21	Total Hours
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<b>Regular</b>	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00
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<b>Totals</b>	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00
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Date Signed/By: 12/19/2018 Suffern, Caroline L. Date Approved/By: 12/19/2018 El-Aassar, Ahmed

<b>Total For Suffern, Caroline L.</b>	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	1.00
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**Total For Project: 063697 - BSA/UMTA-SR0023 Sec2NG NoiseAnalysis 52.00**

The above compilation is a summary of information from timesheets prepared, signed and approved electronically.

Rudolph Clarke, LLC  
Suite 200  
Seven Neshaminy Interplex  
Trevose, PA 19053

February 06, 2019.

Upper Merion Transportation Authority  
Upper Merion Township  
C/O David G. Kraynik  
175 West Valley Forge Road  
King of Prussia, PA 19406-1802

In Reference To: Church Road Bridge  
File No. 7605-003

Invoice #69987

Professional Services

		<u>Hours</u>	<u>Amount</u>
1/2/2019	NM E-mails to D. Daly re: status of draft reimbursement agreement	0.20	27.00
1/3/2019	NM Review and respond to D. Daly E-mail re: Reimbursement Agreement and relevant PUC codes	0.30	40.50
1/7/2019	NM Review of D. Daly E-mail re: Reimbursement Agreement; E-mail to J. Smyth and M. Boles re: the same	0.20	27.00
1/8/2019	NM Review and respond to J. Smyth E-mail re: Reimbursement Agreement; E-mail to D. Daly re: the same and review of response	0.30	40.50
1/10/2019	NM E-mail to D. Daly re: status of Reimbursement Agreement and review of response	0.20	27.00
1/14/2019	NM Review and respond to J. Smyth and M. Boles E-mails re: status of Reimbursement and TCE Agreements and E-mail D. Daly and J. Nixon re: the same	0.40	54.00
1/15/2019	NM Review and respond to J. Nixon E-mails re: Reimbursement Agreement	0.30	40.50
1/17/2019	NM Teleconferences with D. Daly and J. Nixon re: TCE Agreement; E-mail M. Edmonds re: the same	0.40	54.00
1/18/2019	NM Review and respond to M. Edmond re: TCE Agreement	0.20	27.00
1/22/2019	NM Review and respond to J. Smyth E-mail re: status of agreements; Review and respond to M. Edmond E-mail re: the same; Calls with M. Edmond and T. Kohler re: the same; E-mail with D. Daly and J. Nixon re: the same	0.80	108.00

	<u>Hours</u>	<u>Amount</u>
1/28/2019 NM E-mail D. Daly and J. Nixon re: status of agreements and review of responses; E-mail M. Edmonds re: TCE agreement forms	0.40	54.00
1/29/2019 NM Review J. Nixon E-mail re: TCE forms; Review draft agreement	0.40	54.00
1/30/2019 NM Review and respond to M. Edmonds E-mail re: TCE forms; E-mail D. Daly and review response	0.60	81.00
1/31/2019 NM Review and respond to M. Edmonds E-mails re: TCE forms	0.30	40.50
For professional services rendered	<u>5.00</u>	<u>\$675.00</u>
Previous balance		\$2,430.00
1/2/2019 Payment - Thank You. Check No. 287		(\$1,755.00)
1/18/2019 Payment - Thank You. Check No. 289		(\$675.00)
Total payments and adjustments		<u>(\$2,430.00)</u>
Balance due		<u><u>\$675.00</u></u>

Rudolph Clarke, LLC  
Suite 200  
Seven Neshaminy Interplex  
Trevose, PA 19053

February 06, 2019

Upper Merion Transportation Authority  
Upper Merion Township  
C/O David G. Kraynik  
175 West Valley Forge Road  
King of Prussia, PA 19406-1802

In Reference To: Realen  
File No. 7605-004

Invoice #69988

Professional Services

	<u>Hours</u>	<u>Amount</u>
1/7/2019 NM Review and response to J. McGrory E-mail re: Realen proposed settlement	0.20	27.00
1/9/2019 NM Teleconference with and E-mail to J. Walko re: proposed settlement	0.40	54.00
1/10/2019 NM Review proposed agreement re: Highway Impact Fees and E-mail to J. McGrory re: the same	0.40	54.00
1/28/2019 NM Review and respond to J. Walko correspondence re: Realen's draft agreement	0.20	27.00
1/29/2019 NM Review and respond to J. Walko re: Realen's draft agreement	0.20	27.00
For professional services rendered	<u>4.00</u>	<u>\$189.00</u>
Previous balance		\$135.00
1/2/2019 Payment - Thank You. Check No. 287		(\$13.50)
1/18/2019 Payment - Thank You. Check No. 289		(\$121.50)
Total payments and adjustments		<u>(\$135.00)</u>
Balance due		<u><u>\$189.00</u></u>

Rudolph Clarke, LLC  
Suite 200  
Seven Neshaminy Interplex  
Trevose, PA 19053

February 06, 2019

Upper Merion Transportation Authority  
Upper Merion Township  
C/O David G. Kraynik  
175 West Valley Forge Road  
King of Prussia, PA 19406-1802

In Reference To: Upper Merion Transportation Authority  
General Representation  
File No. 7605-001

Invoice #69989

Professional Services

	<u>Hours</u>	<u>Amount</u>
1/7/2019 BRM Prepare and send Memorandum re: revised bidding threshold amounts and increase in IRS mileage reimbursement rate	0.20	27.00
NM Review and respond to N. Hiriak E-mails re: Board meeting agenda	0.40	54.00
1/8/2019 NM Review N. Hiriak, L. Zotti, and T. Kohler E-mails re: meeting and review of agenda; Teleconference with T. Kohler re: the same	0.60	81.00
1/9/2019 NM Review I. Kingsley E-mail re: Board Meeting	0.10	13.50
1/14/2019 MPC Review correspondence from S. Slook confirming reappointment for 2019	0.10	NO CHARGE
1/16/2019 NM Review S. Slook E-mal re: reappointment	0.10	NO CHARGE
1/22/2019 MPC Review audit request letters from N. Hiriak for year ended 12/31/18	0.10	13.50
For professional services rendered	1.60	\$189.00
Previous balance		\$810.00
1/2/2019 Payment - Thank You. Check No. 287		(\$445.50)
1/18/2019 Payment - Thank You. Check No. 289		(\$364.50)
Total payments and adjustments		(\$810.00)
Balance due		\$189.00

**UPPER MERION TRANSPORTATION AUTHORITY  
REQUISITIONS FOR MARCH 13, 2019**

<b>PAYEE</b>	<b>AMOUNT</b>	<b>DESCRIPTION</b>
<b>Boles, Smyth Assoc.</b>	<b>\$ 2,574.24</b>	<b>Trout Creek Bridge Replacement Project for Work performed for the Period 1-1-19 thru 12-31-19 INVOICE #35</b>
<b>Boles, Smyth Assoc.</b>	<b>\$ 25,492.03</b>	<b>Relocation of North Gulph Road (SR 3039) for work Performed 1-1-19 thru 1-31-19 INVOICE #62</b>
<b>Boles, Smyth Assoc.</b>	<b>\$ 9,307.51</b>	<b>Transportation Engineering Consultant Services 11-01-18 thru 12-31-18 INVOICE #101</b>
<b>Boles, Smyth Assoc.</b>	<b>\$ 8,429.01</b>	<b>Prince Frederick extension planning study 11-01-18 thru 12-31-18 INVOICE #6</b>
<b>Rudolph Clarke, LLC Suite 200 Seven Neshaminy Interplex Trevose, PA 19053</b>	<b>\$ 472.50</b>	<b>Professional Services General representation INVOICE #70370</b>
<b>Rudolph Clarke, LLC</b>	<b>\$ 324.00</b>	<b>Church Rd Bridge INVOICE #70368</b>
<b>Rudolph Clarke, LLC</b>	<b>\$ 1,323.00</b>	<b>Realen INVOICE #70369</b>
	<b><u>\$ 47,922.29</u></b>	



**Boles, Smyth Associates, Inc.**  
Consulting Civil Engineers Since 1972

February 28, 2019

Upper Merion Transportation Authority  
175 W. Valley Forge Road  
King of Prussia, PA 19406

Attn: Mr. Nick Hiriak

Ref: SR 0023, Section TCB  
Preliminary & Environmental Phase Services  
Upper Merion Township, Montgomery County

Sub: Transmittal of Invoice #35  
BSA# 2019-02-016-69.09

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #35 for the SR 0023, Section TCB – Trout Creek Bridge Replacement Project for work performed for the period January 1, 2019 through January 31, 2019.

If you have any questions about this submission, please contact me.

Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Michael C. Boles".

Michael C. Boles

MCB:slg

Enclosures

**ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

Agreement No. \_\_\_\_\_

District 6-0 County Montgomery  
 S. R. 0023 Section TCB

State Project No. \_\_\_\_\_

Estimate No. 35

Federal Project No. \_\_\_\_\_

Estimate Period From 1/1/19 To 1/31/19

MPMS NO. 48172 Invoice # 2019-02-016-69.09

EXPIRATION DATE - THIS PART \_\_\_\_\_

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL  MAXIMUM \$342,518.21  75% OF MAXIMUM \$256,888.66	DIRECT/INDIRECT TO DATE	\$313,322.53	
	DIRECT/INDIRECT PREVIOUS	\$310,792.17	
	PAYROLL BILLED THIS ESTIMATE	\$1,125.35	
	OVERHEAD 124.851%	\$1,405.01	
	AMOUNT DUE		\$2,530.36
2. DIRECT COSTS OTHER THAN PAYROLL  MAXIMUM \$3,550.00  75% OF MAXIMUM \$2,662.50	TO DATE	\$3,449.50	
	PREVIOUS	\$3,449.50	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS  MAXIMUM \$187,626.02  75% OF MAXIMUM \$140,719.52	TO DATE	\$36,653.03	
	PREVIOUS	\$36,653.03	
	AMOUNT DUE		
4. NET FEE  \$14,626.79	NET FEE EARNED TO DATE 77.8% OF \$14,626.79	\$11,379.64	
	PREVIOUS	\$11,335.76	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$548,321.02	MAXIMUM AGREEMENT AMOUNT \$548,321.02		TOTAL THIS INVOICE  \$2,574.24
	TOTAL INVOICES TO DATE (THIS PART) \$364,804.70		

Boles, Smyth Associates, Inc.  
 2400 Chestnut Street  
 Philadelphia, PA 19103

SAP VENDOR NO. 120823

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

*Michael C. Boles*

Federal ID No: 23-1863016

Project Manager

2/28/19





PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: \_\_\_\_\_

PART           I          

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Reproduction	\$2,175.00	\$2,316.50	\$0.00
Traffic Counts	\$1,375.00	\$1,133.00	\$0.00
<b>TOTAL</b>	<b>\$3,550.00</b>	<b>\$3,449.50</b>	<b>\$0.00</b>
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
PAQ, Inc.	\$35,000.00	\$13,084.56	\$0.00
CHRS, Inc.	\$16,891.06	\$14,490.78	\$0.00
RK&K	\$67,500.00	\$9,077.69	\$0.00
PennDOT Subsurface Program *(Estimated)	\$68,234.96	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$187,626.02</b>	<b>\$36,653.03</b>	<b>\$0.00</b>

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No. \_\_\_\_\_

DIRECT PAYROLL TABULATION

PART 1

PERIOD: FROM 1/1/19 TO 1/31/19

EMPLOYEE	CLASSIFICATION	DESCRIPTION OF WORK ITEMS											TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE APPROVED BY DEPARTMENT	PAYROLL THIS PERIOD				
		1	2	3	4	5	6	7	8	9	10									
J. Smyth, Jr.	Sr. Civil Engineer						2.0								2.0	\$53.55	7/1/18	\$107.10		
M. C. Boles	Eng. Coord.	1.0	5.0												6.0	\$59.75	7/1/18	\$358.50		
P. J. Boles	Eng. Technician														0.0	\$40.10	7/1/18	\$0.00		
D. Plett	Eng. Technician														0.0	\$37.30	7/1/18	\$0.00		
C. J. Zebley	Civil Engineer						5.0			5.0					10.0	\$36.00	2/16/19	\$360.00		
V. R. Mothukpally	Trans. Engineer														0.0	\$25.25	7/1/18	\$0.00		
R. G. Wagenmann	Trans. Specialist														0.0	\$59.60	7/1/18	\$0.00		
W. Au	Structural Engineer				5.5										5.5	\$54.50	7/1/18	\$299.75		
E. Jacinto	Structural Designer														0.0	\$36.30	7/1/18	\$0.00		
J. B. Singer	Eng. Technician														0.0	\$17.50	4/1/18	\$0.00		
TOTAL HOURS THIS ESTIMATE		1.0	5.0	0.0	5.5	0.0	7.0	0.0	0.0	5.0	0.0				23.5					
TOTAL HOURS PREVIOUS ESTIMATE		121.5	983.0	356.0	1019.0	263.5	219.5	115.0	282.5	91.0	16.5				3467.5					
TOTAL HOURS TO DATE		122.5	988.0	356.0	1024.5	263.5	226.5	115.0	282.5	96.0	16.5				3491.0					
CONTRACT TOTAL HOURS		120.0	880.0	340.0	765.0	375.0	510.0	350.0	275.0	185.0	175.0				3975.0					
% HOURS USED TO DATE		100.0	100.0	100.0	100.0	70.3	44.4	32.9	100.0	51.9	9.4				87.8					
																			TOTAL THIS PERIOD	\$1,125.35



**Boles, Smyth Associates, Inc.**  
Consulting Civil Engineers Since 1972

February 28, 2019

Upper Merion Transportation Authority  
175 W. Valley Forge Road  
King of Prussia, PA 19406

Attn: Mr. Nick Hiriak

Re: Local Agreement No. 164228  
Montgomery County  
Relocation of North Gulph Road (SR 3039)  
Upper Merion Township

Sub: Transmittal of Invoice #62  
Tracking No. 2019-02-017-61.03

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #62 for the Relocation of North Gulph Road (SR 3039) in Upper Merion Township for work performed for the period January 1, 2019 through January 31, 2019.

If you have any questions about this submission, please contact me. Thank you.

Very truly yours,

A handwritten signature in blue ink that reads "Michael C. Boles". The signature is fluid and cursive.

Michael C. Boles

MCB:slg

Enclosures

**ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

Agreement No. 164228-A  
 District 6-0 County Montgomery  
 S. R. 0023 Section 2NG  
 Estimate No. 62  
 Estimate Period From 1/1/19 To 1/31/19  
 MPMS NO. 66952 2019-02-017-61.03

5-00422-04-2NG-064-313  
 State Project No.  
0020201-LY40  
 Federal Project No.  
August 14, 2019  
 EXPIRATION DATE - THIS PART

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL  MAXIMUM \$780,815.87  75% OF MAXIMUM \$585,611.90	DIRECT/INDIRECT TO DATE	\$355,799.32	
	DIRECT/INDIRECT PREVIOUS	\$346,855.76	
	PAYROLL BILLED THIS ESTIMATE	\$3,977.55	
	OVERHEAD 124.851%	\$4,966.01	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL  MAXIMUM \$9,430.00  75% OF MAXIMUM \$7,072.50	TO DATE	\$4,707.00	
	PREVIOUS	\$4,669.00	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS  MAXIMUM \$358,012.36  75% OF MAXIMUM \$268,509.27	TO DATE	\$177,406.31	
	PREVIOUS	\$161,842.54	
	AMOUNT DUE		
4. NET FEE  \$78,891.61	NET FEE EARNED TO DATE 40.9% OF \$78,891.61	\$32,266.67	
	PREVIOUS	\$31,319.97	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART)  \$1,227,149.84	MAXIMUM AGREEMENT AMOUNT \$1,227,149.84		TOTAL THIS INVOICE  \$25,492.03
	TOTAL INVOICES TO DATE (THIS PART) \$570,179.30		

Boles, Smyth Associates, Inc.  
 2400 Chestnut Street  
 Philadelphia, PA 19103  
 SAP VENDOR NO. 120823

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

*Michael C. Boles*

Federal ID No: 23-1863016

2/28/19

Vice-President

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No: 164228-A

PART I

ITEM NO.	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETED LAST REPORT	% ITEM COMPLETED TO DATE	% OF TOTAL NET FEE TO DATE
1.1	Project Management / Administration	2.8%	53.8%	54.6%	1.5%
1.3	Public/Agency Involvement	3.5%	50.0%	50.0%	1.8%
4, 2.10.991A	Rightsizing Design	11.3%	93.4%	94.5%	10.7%
8.7/4.10	Safety Review/Design Field View	10.3%	68.5%	69.5%	7.1%
9	Pre-Final Utilities and Right-of-Way	4.6%	100.0%	100.0%	4.6%
10.1/10.2	CEE Reevaluation & Final Roadway Design	15.2%	54.2%	55.3%	8.4%
10.2.1/2, 4.2, 4	Final Drainage/Pavement Design, Specs. & X Sections	14.4%	18.4%	19.2%	2.8%
10.5	Final Right-of-Way Plan	4.6%	26.2%	34.2%	1.6%
10.8.4	Utility Clearance (D-419)	2.5%	76.4%	76.4%	1.9%
10.14/15	Traffic Control Plan & Traffic Signal Plans	8.3%	3.9%	6.4%	0.5%
10.25/26/27	E&S Plan/NPDES Permit & SWM Plan	12.3%	0.0%	0.0%	0.0%
10.28/29	Final Plans Check/FDOM & Assemble Bid Documents	8.6%	0.0%	0.0%	0.0%
11.1	Post Design Activities	1.6%	0.0%	0.0%	0.0%
		100.0%	N/A	N/A	40.9%

PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

Agreement No 164228-A

PART I

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Reproduction	\$4,430.00	\$4,707.00	\$38.00
Infiltration Testing (PDA)	\$5,000.00	\$0.00	\$0.00
<b>TOTAL</b>	<b>\$9,430.00</b>	<b>\$4,707.00</b>	<b>\$38.00</b>
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
AECOM (Formerly URS CORP. [URS])	\$93,511.51	\$67,729.22	\$0.00
PAQ, Inc.	\$63,287.51	\$14,644.79	\$0.00
CHRS, Inc.	\$72,138.87	\$22,618.47	\$15,205.53
Ground Reconsidered, Inc.	\$60,359.83	\$14,833.43	\$0.00
Gannett Fleming	\$68,714.64	\$57,580.40	\$358.24
<b>TOTAL</b>	<b>\$358,012.36</b>	<b>\$177,406.31</b>	<b>\$15,563.77</b>

**PENNSYLVANIA DEPARTMENT OF TRANSPORTATION  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

**DIRECT PAYROLL TABULATION**

PERIOD: FROM 1/1/19 TO 1/31/19

Agreement No. 164228-A

PART 1

EMPLOYEE	CLASSIFICATION	TOTAL HOURS THIS ESTIMATE	TOTAL HOURS PREVIOUS ESTIMATE	TOTAL HOURS TO DATE	CONTRACT TOTAL HOURS	% HOURS USED TO DATE
		T. F. Boles	Sr. Proj. Engineer	2.0	0.0	142.0
M. C. Boles	Eng. Coordinator	0.0	0.0	165.0	330.0	50.0
J. B. Singer	Eng. Technician	0.0	0.0	992.0	1050.0	94.5
J. Smyth, Jr.	Project Engineer	0.0	0.0	663.5	955.0	69.5
D. Plett	Eng. Technician	0.0	0.0	447.5	430.0	100.0
P. J. Boles	Eng. Technician	0.0	0.0	764.5	780.0	98.0
T. J. Rybas	Eng. Technician	0.0	0.0	247.0	257.0	96.1
V. R. Mohukpally	Eng. Technician	0.0	0.0	11.5	1410.0	0.8
C. J. Zebly V	Civil Engineer	0.0	0.0	34.0	425.0	8.0

DESCRIPTION OF WORK ITEMS	TOTAL HOURS THIS ESTIMATE	TOTAL HOURS PREVIOUS ESTIMATE	TOTAL HOURS TO DATE	CONTRACT TOTAL HOURS	% HOURS USED TO DATE
	Project Management / Administration	1.1	0.0	14.0	150.0
Public/Agency Involvement	1.3	0.0	19.0	800.0	2.4
Right-sizing Design	4.2	0.0	30.0	1145.0	2.6
Safety Review/Design Field View	8.7	0.0	64.5	770.0	8.4
Pre-Final Utilities and Right-of-Way	9.0	0.0	65.5	490.0	13.4
CEE Reevaluation & Final Roadway Design	10.1	0.0	76.5	145.5	52.6
Final Drainage/Pavement Design, Draft Special Provisions & Cross Sections	10.2	0.0	77.0	179.5	42.9
Final Right-of-Way Plan	10.5	0.0	80.0	179.5	44.6
Utility Clearance (D-419)	10.8	0.0	81.0	179.5	45.1
Traffic Control Plan & Traffic Signal Plans	10.14	0.0	81.0	179.5	45.1
E&S Plan/NPDES Permit & Stormwater Management Plan	10.25	0.0	81.0	179.5	45.1
Final Plans Check/FDOM & Assemble Bid Package Documents	10.28	0.0	81.0	179.5	45.1
Post Design Activities	11.1	0.0	81.0	179.5	45.1

TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE APPROVED BY DEPARTMENT	PAYROLL THIS PERIOD
17.0	\$61.45	7/1/18	\$1,044.65
25.0	\$59.75	7/1/18	\$1,493.75
14.5	\$17.50	7/1/18	\$253.75
0.0	\$53.55	7/1/18	\$0.00
0.0	\$37.30	7/1/18	\$0.00
0.0	\$40.10	7/1/18	\$0.00
23.0	\$27.55	7/1/18	\$633.65
19.0	\$25.25	7/1/18	\$479.75
2.0	\$36.00	2/16/19	\$72.00
100.5			\$3,977.55
3720.5			
3821.0			
9300.0			
41.1			





# UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY

## ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT

AGREEMENT NO. \_\_\_\_\_  
 DIST. 6-0 COUNTY Montgomery  
 S.R. 0023 SECTION 2NG  
 ESTIMATE NO. 6 DATE 2/4/2019  
 PERIOD FROM 1/1/2019 TO 1/31/2019  
 CLIENT NUMBER \_\_\_\_\_

STATE PROJECT NO. \_\_\_\_\_ ALLOT. \_\_\_\_\_  
 FEDERAL PROJECT NO. \_\_\_\_\_  
 EXPIRATION DATE - THIS PART \_\_\_\_\_

AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. DIRECT/INDIRECT PAYROLL MAXIMUM \$ 65,174.36 75% OF MAXIMUM \$ 48,880.77	DIRECT/INDIRECT TO DATE	\$ 20,448.78	
	DIRECT/INDIRECT PREVIOUS	6738.44	
	PAYROLL BILLED THIS EST.	5303.50	
	OVERHEAD (158.515%)	8406.84	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$ 642.60 75% OF MAXIMUM \$ 481.95	TO DATE	\$ 209.90	
	PREVIOUS	86.56	
	AMOUNT DUE		
3. DIRECT COSTS BY OTHERS MAXIMUM \$ 0.00 75% OF MAXIMUM \$ 0.00	TO DATE	\$ 0.00	
	PREVIOUS	0.00	
	AMOUNT DUE		
4. NET FEE \$ 6321.91	NET FEE EARNED TO DATE 31.00 % OF \$ 6321.91	\$ 1959.79	
	NET FEE PAID PREVIOUS	587.94	
	AMOUNT DUE		
5.	TO DATE		
	PREVIOUS		
	AMOUNT DUE		
TOTAL (THIS PART) \$ 72,138.87	MAXIMUM AGREEMENT AMOUNT \$ 72,138.57 TOTAL INVOICES TO DATE (THIS PART) \$ 22,618.47	<b>TOTAL THIS INVOICE</b> <b>\$ 15,205.53</b>	

**Cultural Heritage Research Services, Inc.**  
 395 N. Cannon Avenue  
 Lansdale, PA 19446-2247

I certify that the above invoice represents services rendered on this project and is true and correct, and all expenditures were incurred under a fully executed contract.



2/4/2019

Kenneth J. Basalik, President - CHRS, Inc.

Date

Federal ID No.: 51-0259208

Department's Technically Responsible Person

Date

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: _____					
PART: _____ I _____			CLIENT NUMBER: _____		
ITEM NUMBER	DESCRIPTION OF WORK	% OF TOTAL NET FEE	% ITEM COMPLETE LAST REPORT	% ITEM COMPLETE TO DATE	% OF TOTAL NET FEE TO DATE
1.	Task 2.1.1 – Project Management/Administration	3.3 %	17.0 %	40.0 %	1.3 %
2.	Task 2.2 Preliminary Engineering and Environment	87.4 %	10.0 %	34.0 %	29.7 %
3.	Task 2.3 Environmental Clearance /Designation	9.3 %	0.0 %	0.0 %	0.0 %
<b>TOTALS:</b>		<b>100.0 %</b>			<b>31.0 %</b>

**UPPER MERION TOWNSHIP TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - COST PLUS FIXED FEE AGREEMENT**

AGREEMENT NO.: \_\_\_\_\_

PART: \_\_\_\_\_ I \_\_\_\_\_

CLIENT NUMBER: \_\_\_\_\_

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
1. Travel	1. 405.00	1. 151.50	1. 64.94
2. Printing std	2. 30.00	2. 0.00	2. 0.00
3. Printing color oversized	3. 8.00	3. 0.00	3. 0.00
4. Printing color std	4. 12.00	4. 0.00	4. 0.00
5. Printing binding	5. 112.50	5. 0.00	5. 0.00
6. Tolls	6. 25.10	6. 0.00	6. 0.00
7. Repository Fees	7. 50.00	7. 58.40	7. 58.40
<b>TOTALS:</b>	<b>\$ 642.60</b>	<b>\$ 209.90</b>	<b>\$ 123.34</b>
<b>DIRECT COSTS BY OTHERS</b>			
<b>TOTALS:</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>	<b>\$ 0.00</b>



CHRS, Inc.

Name Kenneth J. Basalik

Monthly Time Sheet

Pay Period

January 2019

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	Total		
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		hrs	\$	
administrative																				
HOLIDA19		8													2					2.00
UMTA-2NG			3	5	1			2	3			2								8.00
E03649-2			1	2	1					2	1				2	2				20.00
AMTRAK02			2	1	1															7.00
ROUT4030			2		4			4		3	1	1			1	1				6.00
MARGARET					1			1			1					1				16.00
ROUT422A								1				1								3.00
E04231-1																				1.00
E3469-10									4	2	3	4			2	2				17.00
OCTORORA									1	1		1								3.00
BELTWAY2											2									2.00
SPRING03															1	1				2.00
<b>1<sup>st</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>				<b>1.00</b>
administrative		1																		88.00
E04231-1		4							3		3			1	2	1				1.00
E03649-2		1	2						2											14.00
UMTA-2NG		1	4					6.5	3	2	2			2	2	3	2			5.00
AMTRAK02		1																		27.50
E03649-10			2							3	1				2	2	2			11.00
SICKDA19				8						0.5				4	2					8.50
HOLIDA19							8										2			10.00
ROUT4030																				8.00
TOWANENS •								1		1	2					2				6.00
ROUT3001 •										2										2.00
KEIMST1 •														1						1.00
																	2			2.00
																				0.00
																				0.00
																				0.00
<b>2<sup>nd</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>			<b>96.00</b>

Approved

*Kenneth J. Basalik*

Employee Signature:

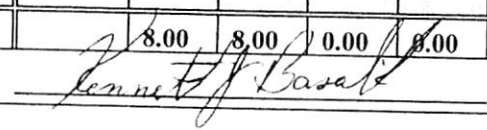
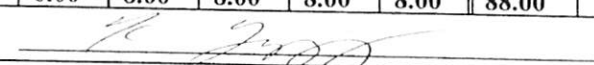
*Kenneth J. Basalik*

CHRS, Inc.

Monthly Time Sheet

Pay Period January 2019

Name Kevin Quigg

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	Total		
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		hrs	\$	
administrative								4	4		3				3					
HOLIDA19		8																	14.00	
TRILEAF2			1	2	1														8.00	
AMTRAK02			5	3	3														4.00	
ROUT4030			1	1				1							2				13.00	
DRESHER2			1																3.00	
BELTWAY2				2				2	2										1.00	
TOWAMENS								1	2		1				1				7.00	
PERSON19																			4.00	
OCTORARO										8						8			16.00	
DAWOOD08											4				1				5.00	
															1				1.00	
																			0.00	
																			0.00	
<b>1<sup>st</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>4.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>			<b>76.00</b>	
administrative			3																	
AMTRAK02		1									1	1		2		1			7.00	
BELTWAY2		1	1					2		1									6.00	
UMTA-2NG		3	3					3		2	1								5.00	
TRILEAF2		3						3		3	2								12.00	
ROUT4030			1											1		1			13.00	
HOLIDA19								8											1.00	
VACATI19										8									8.00	
TOWAMENS															8				16.00	
E04231-1										1	2			1		4	4		12.00	
E3649-10											2			1					3.00	
														3		2			5.00	
																			0.00	
																			0.00	
<b>2<sup>nd</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>8.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>		<b>88.00</b>	
<b>Approved</b>																		<b>Employee Signature:</b>		

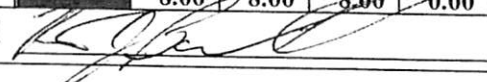
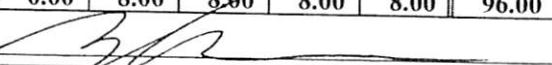


CHRS, Inc.

Monthly Time Sheet

Pay Period January 2019

Name Morgan Rouscher

Job #	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	31	Total		
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		hrs	\$	
administrative						x	x						x	x						0.00
TRILEAF2			2.5	4.5	5.5			6.5	2.5	1.5	3	7			8	5				46.00
HOLIDA19		8																		8.00
TOWAMENS			1.5	3.5	2			1	1		4									13.00
TRILEAF_			1.5					0.5	4.5	1.5										8.00
ROUT4030			2																	2.00
AMTRAK02			0.5		0.5															3.00
E3649-10										3.5	1					2				4.50
E04231-1										0.5		1								1.50
SICKDA19										1						1				2.00
																				0.00
																				0.00
																				0.00
<b>1<sup>st</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>				<b>88.00</b>
administrative						x	x						x	x						0.00
TRILEAF2		5		8				5.5	6	4	6.5			6	5	0.5	3			49.50
TRILEAF_		3	5					1.5	2							2				13.50
E04231-1			1							4	1.5									7.00
E03649-2 °			1													0.5				1.00
HOLIDA19								8												8.00
UMTA-2NG °									1											1.00
AMTRAK02																				11.50
E3649-10			1											1.5	3	2	5			1.50
SICKDA19														0.5						3.00
																3				0.00
																				0.00
																				0.00
<b>2<sup>nd</sup> Half Totals</b>		<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>	<b>8.00</b>			<b>96.00</b>
Approved																				
	Employee Signature: 																			











**MONTGOMERY COUNTY  
RECORDER OF DEEDS OFFICE  
Jeanne Sorg, Recorder of Deeds  
Office: (610) 278-3289**

**CUSTOMER RECEIPT**

**Receipt #:** 1908086  
**Printed:** 01/25/2019 02:57:55 PM  
**Purchase Date:** 01/25/2019 02:57:54 PM  
**Submitter Name:**  
**Operator ID:** jdrake1  
**Payment Comment:**

**Charges**

---

<b>Copies</b>	
<b># of Pages</b>	69
<b>Copies Fee</b>	\$34.50

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<b>Total Charges:</b>	<b>\$34.50</b>
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**Payments**

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<b>Cash</b>	<b>\$34.50</b>
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**Totals**

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<b>Total Amount Due:</b>	<b>\$34.50</b>
<b>Total Amount Paid:</b>	<b>\$34.50</b>
<b>Refund :</b>	<b>\$0.00</b>

Please note: If a credit card was used, the credit card company's convenience fee of 2.65% has been charged separately at the time of this transaction. This fee is not shown on this receipt.

**Jeanne Sorg  
Montgomery County Recorder of Deeds**

**MONTGOMERY COUNTY COURT HOUSE  
BOARD OF ASSESSMENT APPEALS  
P.O. BOX 311  
NORRISTOWN, PA 19404-0311**

**Receipt**

Customer's  
Order No.

Date 1/25/2019

Name \_\_\_\_\_

Address \_\_\_\_\_

SOLD BY	CASH	C.O.D	CHARGE	ON ACCT.	MD RET	PAID OUT	
QUAN	DESCRIPTION				PRICE	AMOUNT	
1	Upper Merion Block 31					15 00	
	Tax					90	
	Total					15 90	

All claims and returned goods MUST be accompanied by this bill.

Bob

Rec'd by

Make Checks Payable To  
"TREASURER OF MONTGOMERY COUNTY"  
RETURN TO THE ABOVE ADDRESS ATT: MAP DEPT.

P/S #07  
T/D #01  
Entry Time  
Paid Time  
Parking Time  
Parking Fee

A Payment No. 0000047  
Ticket No. 025572  
01/25/2019 (Fri) 11:18  
01/25/2019 (Fri) 15:12  
3:54  
Rate A \$8.00

VISA  
Account # \*\*\*\*\*5548  
Slip # 09200  
Auth Code 0000090240  
Credit Card Amount \$8.00  
Cash Amount \$0.00  
Total \$8.00

Thank You for Your Visit  
Please Come Again !

*Excellence Delivered As Promised*

**ACH/EFT Payment Information:**  
 ABA: 031312738  
 Account No.: 5003165655  
 Account Name: Gannett Fleming

Boles Smyth Associates, Inc.  
 Attn: Mr. Michael C. Boles, Vice President  
 2400 Chestnut Street  
 Philadelphia, PA 19103-4316

**Check Payment Information:**  
 Gannett Fleming, Inc.  
 PO Box 829160  
 Philadelphia, PA 19182-9160

**Project:** 063697.01  
**Invoice No:** 063697.01\*69901  
**Invoice Date:** February 25, 2019

**Federal EIN:** 25-1613591  
**Send Remit Info:** AccountsReceivable@gfnet.com

**For Professional Services Rendered through: February 1, 2019**

**Project Manager :** Ahmed A. El-Aassar      **aelaassar@envact.com**      **703 277-9501**

Prime Agreement Number 164228-A  
 SR0023, Section 2NG Project, Relocated North Gulph Road, Montgomery County, MPMS# 66952  
 Subconsulting Agreement No. 2017-6103-003

		<u>Previously Invoiced</u>	<u>Current Invoice</u>	<u>Total Invoiced</u>
Direct Salaries		\$ 19,729.40	\$ 127.20	\$ 19,856.60
Overhead	156.68%	30,912.01	199.30	31,111.31
Subtotal		<u>\$ 50,641.41</u>	<u>\$ 326.50</u>	<u>\$ 50,967.91</u>
Profit	9.72%	4,922.35	31.74	4,954.09
Total Payroll Related Costs		<u>\$ 55,563.76</u>	<u>\$ 358.24</u>	<u>\$ 55,922.00</u>
Other Direct Costs		1,658.40	0.00	1,658.40
Total Earned		<u><u>\$ 57,222.16</u></u>	<u><u>\$ 358.24</u></u>	<u><u>\$ 57,580.40</u></u>

**Total Due This Invoice ..... \$358.24**

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**Employee Hours and Costs Breakdown****Direct Salaries**

<u>Employee Name</u>	<u>Classification</u>	<u>Hours</u>	<u>Actual Rate</u>	<u>Billing Rate</u>	<u>Regular Amount</u>
Ahmed A. El-Aassar	Engineer V	2.00	\$ 69.90	\$ 63.60	\$ 127.20
		<u>2.00</u>			<u>\$ 127.20</u>



**Project Time Certification Hours Report For the Period: 12/29/2018 To 2/1/2019**



**Project:** 063697 BSA/UMTA-SR0023 Sec2NG NoiseAnlysis

**Client:** 26689001 Boles Smyth Associates, Inc.

**Employee:** 13462 El-Aassar, Ahmed A.

**Class:** Engineer V

Prd. End Date:	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Total
1/4/2019	12/22	12/23	12/24	12/25	12/26	12/27	12/28	12/29	12/30	12/31	1/01	1/02	1/03	1/04	Hours
<b>Regular</b>	-	-	-	-	-	-	-	-	-	2.00	-	-	-	-	2.00
<b>Totals</b>	-	-	-	-	-	-	-	-	-	<b>2.00</b>	-	-	-	-	<b>2.00</b>
Date Signed/By: 1/4/2019 El-Aassar, Ahmed			Date Approved/By: 1/4/2019 Barrett II, Warren A.												
<b>Total For El-Aassar, Ahmed A.</b>	-	-	-	-	-	-	-	-	-	<b>2.00</b>	-	-	-	-	<b>2.00</b>

**Total For Project: 063697 - BSA/UMTA-SR0023 Sec2NG NoiseAnlysis 2.00**

The above compilation is a summary of information from timesheets prepared, signed and approved electronically.



**Boles, Smyth Associates, Inc.**  
**Consulting Civil Engineers Since 1972**

March 6, 2019

Upper Merion Transportation Authority  
 175 West Valley Forge Road  
 King of Prussia, PA 19406-1802

Attn: Ms. Sally Slook, Acting Executive Secretary

Ref: Transportation Engineering, Consultant Services BSA No. 2019-03-043-25.09  
 BSA Project 25.09

INVOICE #101

For professional services relative to transportation engineering consulting activity as performed from November 1, 2018 through December 31, 2018.

A. Advisory Professional Services Related to Authority Meetings

This work includes:

- Providing general assistance and advice to the Authority, including preparation and attendance at the 11/14/18 and 12/12/18, as well as review of Meeting Minutes.

Jack Smyth, Jr., P.E. Proj. Eng.	<u>6.0 hrs.</u> @ \$126.25/hr.	=	<u>\$ 757.50</u>
	6.0 hrs. Total	=	\$ 757.50

B. General Services

This work includes:

- Coordination with Township Planner to answer questions regarding potential development assessments
- Continued to evaluate available grants and/or reimbursement programs for each project which may be available from PennDOT, federal agencies, state agencies and private foundations.
- Continued coordination with Gannett Fleming to provide additional documentation and information related to the Church Road Construction Inspection Agreement.
- Continued coordination with SEPTA to provide Church Road construction scheduling for their use in preparing an Agreement for Transportation Authority review.
- Continued coordination with Transportation Authority Solicitor's office to provide background and response to questions related to required Church Road SEPTA agreements.
- Responded to additional SEPTA comments regarding Plot Plan Right-of-Way Clearance interpretations for the Church Road Temporary Construction Easement.
- Prepared for and participated in conference calls with PennDOT, Authority Solicitor and Montgomery County to prepare for coordination with Montgomery County Commissioner Ken Lawrence to expedite SEPTA coordination.
- Coordinated and met with Gannett Fleming to provide information required for Valuation Waiver appraisal on 11/6/18.
- Coordinated and met with Authority Solicitor and Montgomery County Planning Commission to for 11/7/18 SEPTA Meeting.
- Revised utility design for Church Road bridge based on newly provided Aqua standards for bridge attachment over SEPTA.
- Revised utility design for Church Road bridge based on newly provided comments from Peco gas for bridge attachment over SEPTA.
- Reviewed DVRPC Progress Status Report for December 2018 for the Phase II Henderson Road PA Turnpike Interchange study to determine peak hour volumes for Existing, No Build and Build Scenarios.

Ms. Sally Slook  
March 5, 2019  
Invoice #101

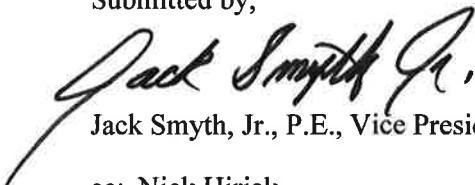
Jack Smyth, Jr., P.E. Proj. Eng.	25.0 hrs. @ \$126.25/hr.	=	\$ 3,156.25
Michael Boles, Trans. Specialist	13.5 hrs. @ \$126.25/hr.	=	\$ 1,704.38
Ron Wagenmann, Trans. Specialist	2.0 hrs. @ \$126.25/hr.	=	\$ 252.50
Wing Au, P.E., Structural Eng.	4.0 hrs. @ \$126.25/hr.	=	\$ 505.00
Enrique Jacinto, Eng. Tech	30.0 hrs. @ \$ 83.75/hr.	=	\$ 2,512.50
Charles Zebley, Eng. Tech	2.5 hrs. @ \$ 83.75/hr.	=	\$ 209.38
Jordan Singer, Intern	<u>6.0 hrs. @ \$ 35.00/hr.</u>	=	<u>\$ 210.00</u>

83.0 hrs \$ 8,550.01

Total Part A + B = **\$ 9,307.51**

**Total Invoice #101 = **\$ 9,307.51****

Submitted by,

  
Jack Smyth, Jr., P.E., Vice President  
cc: Nick Hiriak



**Boles, Smyth Associates, Inc.**  
**Consulting Civil Engineers Since 1972**

March 6, 2019

Upper Merion Transportation Authority  
175 West Valley Forge Road  
King of Prussia, PA 19406

Attn: Ms. Sally Slook  
Acting Executive Director

Sub: Prince Frederick Extension, Planning Study

Ref: Invoice #6 for November, 2018 through January, 2019 Services

Dear Ms. Slook:

We are transmitting Invoice #6 with supporting documentation for the above referenced project in the total amount of **\$8,429.01**. Below is a summary of work activities for each firm.

Prime Consultant: Boles, Smyth Associates  
Billing Period: November 1, 2018 through January 31, 2019  
Billing Amount: \$8,429.01  
Expenses: \$0

The following is a list of tasks performed by Boles, Smyth:

Task 1 - Project Management and Base Mapping

- a) Project Management/Administration to coordinate schedule and project deliverables.

Task 2 - Stakeholder Coordination and Agency Involvement Determination

- a) Continued coordinated with Montgomery County Planning Commission for review related to Chester Valley Trail Extension project design at the Saulin Boulevard intersection.
- b) Continued extensive coordination effort with development team for the Glasgow Tract.
- c) Met with representatives from the development team, Township Engineer, Solicitors and Township staff and Montgomery County Planning Commission regarding the Prince Frederick Extension design, schedule and relationship to the Chester Valley Trail Extension project.

Task 3 - Recommended Concept Engineering Roadway Plans

- a) Coordinated with the developer and revised the Prince Frederick Boulevard design for development of Glasgow Tract. This includes the updated design for the 90 degree turn area, as well as the alignment of the boulevard as it approaches the US 202 & Saulin Boulevard intersection which will be re-aligned as part of the Chester Valley Trail Extension project.
- b) Continued to update the Rossi Tract design to reflect the revised concept through the Glasgow Tract.

Task 4 - Preliminary Drainage Design

- a) No activities this period.

Task 5 - Preliminary Traffic Control Stages, Traffic Signal and Pavement Marking & Signing

- a) Continued to revise the pavement markings to reflect the revised concept through the Glasgow Tract.
- b) Revised the pavement markings to reflect the updated design described in Task 3.

Task 6 - Utility Coordination, Verification and Relocation Requirements

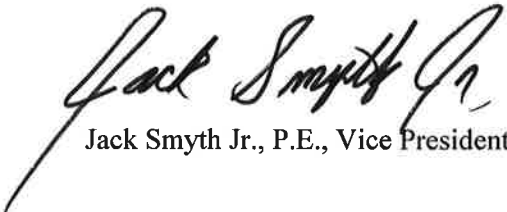
- a) No activities this period.

Task 7 - Right of Way Coordination & Requirements

- a) No activities this period.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Jack Smyth Jr., P.E., Vice President

**ESTIMATED PROGRESS REPORT  
PRICE PROPOSAL**

Agreement N Prince Frederick Ext Concept Study

District \_\_\_\_\_ County Montgomery

State Project No. \_\_\_\_\_

S. R. \_\_\_\_\_ Section \_\_\_\_\_

Federal Project No. \_\_\_\_\_

Estimate No. 6

Estimate Period From 11/01/18 To 12/31/18

December, 2018

Invoice # 2019-03-043-72.09

EXPIRATION DATE - THIS PART

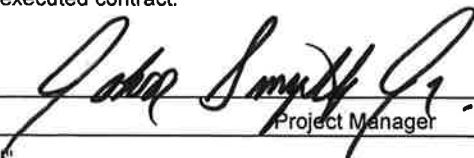
AGREEMENT AMOUNTS	AMOUNTS EARNED		AMOUNTS DUE
1. SPECIFIC RATE OF COMPENSATION  MAXIMUM \$126,625.00	TO DATE	\$74,165.54	
	PREVIOUS	\$65,736.53	
	AMOUNT DUE		
2. DIRECT COSTS OTHER THAN PAYROLL  MAXIMUM \$0.00	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
3. DIRECT COST BY OTHERS  MAXIMUM \$14,500.00	TO DATE	\$0.00	
	PREVIOUS	\$0.00	
	AMOUNT DUE		
4. EXPENSES  MAXIMUM \$0.00	TO DATE	\$40.00	
	PREVIOUS	\$40.00	
	AMOUNT DUE		
% OF WORK COMPLETED TO DATE <u>52.6%</u>			
TOTAL (THIS PART)  \$141,125.00	MAXIMUM AGREEMENT AMOUNT \$141,125.00		TOTAL THIS INVOICE  \$8,429.01
	TOTAL INVOICES TO DATE (THIS PART) \$74,205.54		

Boles, Smyth Associates, Inc.  
2400 Chestnut Street  
Philadelphia, PA 19103

SAP VENDOR NO. 120823

Federal ID No: 23-1863016

I certify that the above invoice represents services rendered on this Project and is true and correct, and all expenditures were incurred under a fully executed contract.

  
 \_\_\_\_\_  
 Project Manager

UPPER MERION TRANSPORTATION AUTHORITY  
ESTIMATED PROGRESS REPORT - SPECIFIC RATE OF COMPENSATION

Agreement N 0

SPECIFIC RATE TABULATION

PART I

PERIOD: FROM 1/01/18 TO 12/31/18

EMPLOYEE	CLASSIFICATION	DESCRIPTION OF WORK ITEMS										TOTAL HOURS THIS PERIOD	ACTUAL HOURLY RATE	DATE APPROVED BY DEPARTMENT	PAYROLL THIS PERIOD			
		1	2	3	4	5	6	7										(A)
J. Smyth, Sr.	Principal Eng.														0.0	\$126.75	1/1/18	\$0.00
T. F. Boles	Principal Eng.														0.0	\$126.75	1/1/18	\$0.00
M. C. Boles	Eng. Coord.														0.0	\$126.75	1/1/18	\$0.00
P. J. Boles	Eng. Technician			2.5											2.5	\$83.75	1/1/18	\$209.38
J. Smyth, Jr.	Project Manager	15.0	23.0		5.0									43.0	\$126.75	1/1/18	\$5,450.25	
D. Plett	Eng. Technician			6.0	15.0									21.0	\$83.75	1/1/18	\$1,758.75	
C. J. Zebly	Eng. Technician			4.5										4.5	\$83.75	1/1/18	\$376.88	
R. G. Wagenma	Trans. Specialist		5.0											5.0	\$126.75	1/1/18	\$633.75	
V. Mothukpally	Eng. Technician													0.0	\$83.75	1/1/18	\$0.00	
W. C. Au	Struct Eng.													0.0	\$126.75	1/1/18	\$0.00	
E. Jacinto	Eng. Technician													0.0	\$83.75	1/1/18	\$0.00	
TOTAL HOURS THIS ESTIMATE		0.0	20.0	36.0	0.0	20.0	0.0	0.0						76.0			TOTAL THIS PERIOD	\$8,429.01
TOTAL HOURS PREVIOUS ESTIMATE		45.0	46.0	324.0	37.5	98.0	10.0	121.5						682.0				
TOTAL HOURS TO DATE		45.0	66.0	360.0	37.5	118.0	10.0	121.5						758.0				
CONTRACT TOTAL HOURS		55.0	70.0	540.0	225.0	250.0	90.0	170.0										
% HOURS USED TO DATE																		

**ESTIMATED PROGRESS REPORT - SPECIFIC RATE OF COMPENSATION AGREEMENT**

Agreement No: \_\_\_\_\_

PART                     I                    

DESCRIPTION OF WORK	ESTIMATED COST	BILLED TO DATE	BILLED THIS ESTIMATE
<b>DIRECT COSTS OTHER THAN PAYROLL</b>			
Reproduction & Travel Expenses are included in overall cost. Expenses will only be for Deed Research at the Montgomery County Recorder of Deeds Office			
PNDI Environmental Screening		\$40.00	\$0.00
<b>TOTAL</b>	\$0.00	\$40.00	\$0.00
<b>DIRECT COST OF SERVICES BY OTHERS</b>			
Subconsultants			
PAQ Inc.	\$5,000.00	\$0.00	\$0.00
TEI, Inc.	\$7,500.00	\$0.00	\$0.00
Tri-State Traffic Data	\$2,000.00	\$0.00	\$0.00
<b>TOTAL</b>	\$14,500.00	\$0.00	\$0.00



Rudolph Clarke, LLC  
Suite 200  
Seven Neshaminy Interplex  
Trevose, PA 19053

March 11, 2019

Upper Merion Transportation Authority  
Upper Merion Township  
C/O David G. Kraynik  
175 West Valley Forge Road  
King of Prussia, PA 19406-1802

In Reference To: Church Road Bridge  
File No. 7605-003

Invoice #70368

Professional Services

		<u>Hours</u>	<u>Amount</u>
2/1/2019	NM E-mail with D. Daly re: edits to Temporary Construction Easement agreement	0.20	27.00
2/4/2019	NM Review D. Daly E-mails re: Temporary Construction Easement form; E-mail with M. Edmonds re: the same and review of response; Receive and respond to J. Smyth E-mail re: the same	0.70	94.50
2/7/2019	NM Review Temporary Construction Easement agreements and E-mail with D. Daly re: the same	0.30	40.50
2/12/2019	NM Call with T. Kohler re: status of SEPTA agreements; E-mail with D. Daly re: Temporary Construction Easement forms	0.20	27.00
2/13/2019	NM Review D. Daly E-mail re: Temporary Construction Easement form; Call with M. Edmond re: the same	0.30	40.50
2/25/2019	NM Review E-mail with M. Edmond re: Temporary Construction Easement	0.10	13.50
2/26/2019	NM Teleconference with M. Edmond re: Temporary Construction Easement forms; Receive and respond to M. Edmond E-mails re: the same	0.30	40.50
2/28/2019	NM Receive and respond to J. Smyth E-mail re: Temporary Construction Easement forms	0.30	40.50
	For professional services rendered	<u>2.40</u>	<u>\$324.00</u>
	Previous balance		\$675.00

Balance due

Amount  
\$999.00

Rudolph Clarke, LLC  
Suite 200  
Seven Neshaminy Interplex  
Trevose, PA 19053

March 11, 2019

Upper Merion Transportation Authority  
Upper Merion Township  
C/O David G. Kraynik  
175 West Valley Forge Road  
King of Prussia, PA 19406-1802

In Reference To: Realen  
File No. 7605-004

Invoice #70369

Professional Services

			<u>Hours</u>	<u>Amount</u>
2/1/2019	NM	Review M. Kaplin E-mail re: review of agreement; E-mail with J. McGrory re: the same	0.20	27.00
2/4/2019	NM	Receive and respond to J. McGrory E-mails re: M. Kaplin agreement	0.40	54.00
2/5/2019	NM	Receive and respond to K. Chiodo and R. Loper E-mails re: meeting status	0.10	13.50
2/6/2019	NM	Receive and respond to K. Chiodo E-mails re: meeting re: proposed settlement	0.30	40.50
2/12/2019	NM	Call with T. Kohler re: status of proposed settlement agreement; Review R. Loeper E-mails re: the same and review relevant documents	0.70	94.50
2/13/2019	NM	Continue to review relevant documents in preparation of meeting with Township; E-mails to R. Loeper re: the same and review responses; Call with R. Loeper re: the same	2.10	283.50
2/14/2019	NM	Preparation for and representation at meeting with J. McGrory and R. Loeper re: traffic impact fee calculation	2.70	364.50
2/15/2019	NM	Teleconference with T. Kohler re: status of M. Kaplin proposed settlement	0.40	54.00
2/18/2019	NM	Draft correspondence to M. Kaplin re: proposed agreement; E-mail J. Smyth re: off-site improvements	0.90	121.50
2/19/2019	NM	Review E-mail with J. Smyth re: off-site improvement calculations	0.10	13.50

		<u>Hours</u>	<u>Amount</u>
2/21/2019	NM	Receive and respond to J. Smyth E-mail re: off site improvements; Teleconference with J. Smyth re: the same	0.90 121.50
2/26/2019	NM	Continue to review relevant agreements; Teleconference with J. McGrory re: traffic fee and off-site improvement calculations	0.30 40.50
2/28/2019	NM	Teleconference with R. Loeper re: traffic impact/off-site improvements; Review R. Loeper E-mail re: the same	0.70 94.50
		For professional services rendered	9.80 \$1,323.00
		Previous balance	\$189.00
		Balance due	<u>\$1,512.00</u>

Rudolph Clarke, LLC  
Suite 200  
Seven Neshaminy Interplex  
Trevose, PA 19053

March 11, 2019

Upper Merion Transportation Authority  
Upper Merion Township  
C/O David G, Kraynik  
175 West Valley Forge Road  
King of Prussia, PA 19406-1802

In Reference To: Upper Merion Transportation Authority  
General Representation  
File No. 7605-001

Invoice #70370

Professional Services

	<u>Hours</u>	<u>Amount</u>
1/8/2019 NLF Preparation for meeting coverage and review agenda	0.30	40.50
1/9/2019 NLF Preparation for and representation at board meeting	2.60	351.00
2/1/2019 NM Teleconference with T. Kohler re: Board meeting status	0.10	13.50
2/4/2019 NM Receive and respond to M. Morales E-mail re: meeting change; Research Municipalities Authority Act re: notice	0.40	54.00
2/20/2019 NM Drafted correspondence to and from T. Kohler re: Board meeting status	0.10	13.50
For professional services rendered	<u>3.50</u>	<u>\$472.50</u>
Previous balance		\$189.00
Balance due		<u><u>\$661.50</u></u>