

**UPPER MERION TRANSPORTATION AUTHORITY
REQUISITIONS FOR MARCH 11, 2020**

| PAYEE | AMOUNT | DESCRIPTION |
|-----------------------|----------------------------|---|
| Boles, Smyth Assoc. | \$ 7,817.96 | Trout Creek Bridge (SR 0023) Period 1-1-20 thru 1-31-20 Invoice #47 |
| Boles, Smyth Assoc. | \$ 5,589.91 | Relocation of North Gulph Road (SR 3039) Period 1-1-20 thru 1-31-20 Invoice #74 |
| Boles, Smyth Assoc. | \$ 11,473.64 | Transportation Engineering Consultant Services Invoice #104 Period 10-1-19 thru 12-31-19 |
| Boles, Smyth Assoc. | \$ 25,733.63 | Prince Frederick Extension Planning Study Period 7-1-19 thru 2-29-20 Final Invoice #9 |
| Upper Merion Township | \$ 21,581.00 | Authority Reimbursement to General Fund for 2019 Expenses |
| TOTAL: | <u>\$ 72,196.14</u> | |



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

February 28, 2020

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 #47
BSA# 2020-02-025-69.09

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #47 for the SR 0023, Section TCB – Trout Creek Bridge Replacement Project for work performed for the period January 1, 2020 through January 31, 2020.

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".

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. 47

Federal Project No. _____

Estimate Period From 1/1/20 To 1/31/20

MPMS NO. 48172 Invoice # 2020-02-025-69.09


EXPIRATION DATE - THIS PART _____

| AGREEMENT AMOUNTS | AMOUNTS EARNED | | AMOUNTS DUE |
|---|--|--------------|--------------------------------------|
| 1. DIRECT/INDIRECT PAYROLL MAXIMUM \$432,597.65 75% OF MAXIMUM \$324,448.24 | DIRECT/INDIRECT TO DATE | \$373,713.13 | |
| | DIRECT/INDIRECT PREVIOUS | \$366,216.96 | |
| | PAYROLL BILLED THIS ESTIMATE | \$3,397.88 | |
| | OVERHEAD 120.613% | \$4,098.29 | |
| | AMOUNT DUE | | \$7,496.17 |
| 2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$5,550.00 75% OF MAXIMUM \$4,162.50 | TO DATE | \$4,081.50 | |
| | PREVIOUS | \$4,081.50 | |
| | AMOUNT DUE | | |
| 3. DIRECT COST BY OTHERS MAXIMUM \$95,546.58 75% OF MAXIMUM \$71,659.94 | TO DATE | \$37,124.27 | |
| | PREVIOUS | \$37,124.27 | |
| | AMOUNT DUE | | |
| 4. NET FEE \$14,626.79 | NET FEE EARNED TO DATE 93.9% OF \$14,626.79 | \$13,734.56 | |
| | PREVIOUS | \$13,412.77 | |
| | AMOUNT DUE | | |
| 5. | TO DATE | | |
| | PREVIOUS | | |
| | AMOUNT DUE | | |
| TOTAL (THIS PART) \$548,321.02 | MAXIMUM AGREEMENT AMOUNT \$548,321.02 | | TOTAL THIS INVOICE \$7,817.96 |
| | TOTAL INVOICES TO DATE (THIS PART) \$428,653.46 | | |

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



Federal ID No: 23-1863016

Project Manager

2/28/20

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% | 100.0% | 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% | 82.7% | 95.1% | 9.0% |
| 6 | Preliminary Traffic Control Plans | 12.8% | 100.0% | 100.0% | 12.8% |
| 7 | Preliminary Traffic Signal, Pavement Marking and Signing Plans | 8.8% | 85.6% | 95.7% | 8.4% |
| 8 | Preliminary Utility Coordination / Plans | 6.9% | 100.0% | 100.0% | 6.9% |
| 9 | Public Involvement | 4.7% | 73.2% | 73.2% | 3.4% |
| 10 | Norfolk & Southern Railroad Coordination | 4.4% | 9.4% | 11.7% | 0.5% |
| | | 100.0% | N/A | N/A | 93.9% |

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 |
|--|--------------------|--------------------|----------------------|
| DIRECT COSTS OTHER THAN PAYROLL | | | |
| Reproduction | \$2,175.00 | \$2,316.50 | \$0.00 |
| Traffic Counts | \$3,375.00 | \$1,765.00 | \$0.00 |
| TOTAL | \$5,550.00 | \$4,081.50 | \$0.00 |
| DIRECT COST OF SERVICES BY OTHERS | | | |
| Subconsultants | | | |
| PAQ, Inc. | \$13,084.56 | \$13,084.56 | \$0.00 |
| CHRS, Inc. | \$14,962.02 | \$14,962.02 | \$0.00 |
| RK&K | \$67,500.00 | \$9,077.69 | \$0.00 |
| PennDOT Subsurface Program *(Estimated) | \$0.00 | \$0.00 | \$0.00 |
| TOTAL | \$95,546.58 | \$37,124.27 | \$0.00 |

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

DIRECT PAYROLL TABULATION

Agreement No. _____

PART I

PERIOD: FROM 1/1/20 TO 1/31/20

| 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 | | | | | | | | | |
| | | Project Management / Administration | Preliminary Engineering (Through Safety Review & Design Field View) | Environmental Clearance | Structural/Hydraulic & Hydrologic (H&H)/Geotechnical Engineering Coordination | Preliminary Right-of-Way Plans | Preliminary Traffic Control Plan | Preliminary Traffic Signal, Pavement Marking and Signing Plan | Preliminary Utility Coordination / Plans | Public Involvement | Norfolk & Southern Railroad Coordination | | | | | | | | | |
| J. Smyth, Jr. | Sr. Civil Engineer | | | | | 10.0 | | 7.0 | | | | | | | | | 17.0 | \$54.65 | 7/1/19 | \$929.05 |
| M. C. Boles | Eng. Coord. | | | | | | | | | | | | | | | | 0.0 | \$60.95 | 7/1/19 | \$0.00 |
| P. J. Boles | Eng. Technician | | | | | | | | | | | | | | | | 0.0 | \$40.90 | 7/1/19 | \$0.00 |
| D. Plett | Eng. Technician | | | | | 36.0 | | | | | | | | | | | 36.0 | \$38.05 | 7/1/19 | \$1,369.80 |
| C. J. Zebley | Civil Engineer | | | | | | 19.0 | | | | | | | | | | 19.0 | \$36.75 | 7/1/19 | \$698.25 |
| J. B. Singer | Eng. Technician | | | | | 0.5 | | | | | | | | | | | 0.5 | \$19.50 | 7/1/19 | \$9.75 |
| R. G. Wagenmann | Trans. Specialist | | | | | | | | | | | | | | | | 0.0 | \$60.80 | 7/1/19 | \$0.00 |
| W. Au | Structural Engineer | | | | | | | | | | 4.0 | | | | | | 4.0 | \$55.60 | 7/1/19 | \$222.40 |
| E. Jacinto | Structural Designer | | | | | | | | | | | | | | | | 0.0 | \$37.05 | 7/1/19 | \$0.00 |
| R. Z. Wu | Eng. Technician | | | | | | | 9.5 | | | | | | | | | 9.5 | \$17.75 | 10/25/19 | \$168.63 |
| TOTAL HOURS THIS ESTIMATE | | 0.0 | 0.0 | 0.0 | 0.0 | 46.5 | 0.0 | 35.5 | 0.0 | 0.0 | 4.0 | | | | | | 86.0 | | TOTAL THIS PERIOD | \$3,397.88 |
| TOTAL HOURS PREVIOUS ESTIMATE | | 123.5 | 988.0 | 356.0 | 1044.5 | 310.0 | 521.5 | 299.5 | 317.0 | 135.5 | 16.5 | | | | | | 4112.0 | | | |
| TOTAL HOURS TO DATE | | 123.5 | 988.0 | 356.0 | 1044.5 | 356.5 | 521.5 | 335.0 | 317.0 | 135.5 | 20.5 | | | | | | 4198.0 | | | |
| 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 | 95.1 | 100.0 | 95.7 | 100.0 | 73.2 | 11.7 | | | | | | 100.0 | | | |



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

February 28, 2020

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 #74
Tracking No. 2020-02-026-61.03

Dear Nick:

We are herewith transmitting one (1) copy of Invoice #74 for the Relocation of North Gulph Road (SR 3039) in Upper Merion Township for work performed for the period January 1, 2020 through January 31, 2020.

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, with the first letters of the first and last names being capitalized and prominent.

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. 74
 Estimate Period From 1/1/20 To 1/31/20
 MPMS NO. 66952 2020-02-026-61.03

5-00422-04-2NG-064-313
 State Project No.
0020201-LY40
 Federal Project No.
December 31, 2020
 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 | \$420,229.18 | |
| | DIRECT/INDIRECT PREVIOUS | \$415,270.40 | |
| | PAYROLL BILLED THIS ESTIMATE | \$2,247.73 | |
| | OVERHEAD 120.613% | \$2,711.05 | |
| | AMOUNT DUE | | |
| 2. DIRECT COSTS OTHER THAN PAYROLL MAXIMUM \$9,430.00 75% OF MAXIMUM \$7,072.50 | TO DATE | \$4,707.00 | |
| | PREVIOUS | \$4,707.00 | |
| | AMOUNT DUE | | |
| 3. DIRECT COST BY OTHERS MAXIMUM \$358,012.36 75% OF MAXIMUM \$268,509.27 | TO DATE | \$237,721.06 | |
| | PREVIOUS | \$237,721.06 | |
| | AMOUNT DUE | | |
| 4. NET FEE \$78,891.61 | NET FEE EARNED TO DATE 49.6% OF \$78,891.61 | \$39,130.24 | |
| | PREVIOUS | \$38,499.11 | |
| | 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 \$5,589.91 |
| | TOTAL INVOICES TO DATE (THIS PART) \$701,787.48 | | |

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

2/28/20

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% | 63.3% | 63.3% | 1.8% |
| 1.3 | Public/Agency Involvement | 3.5% | 63.5% | 65.8% | 2.3% |
| 4, 2.10.991A | Rightsizing Design | 11.3% | 100.0% | 100.0% | 11.3% |
| 8.7/4.10 | Safety Review/Design Field View | 10.3% | 78.4% | 78.4% | 8.0% |
| 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% | 65.2% | 69.8% | 10.6% |
| 10.2.1/2, 4.2, 4 | Final Drainage/Pavement Design, Specs. & X Sections | 14.4% | 27.9% | 27.9% | 4.0% |
| 10.5 | Final Right-of-Way Plan | 4.6% | 88.8% | 88.8% | 4.1% |
| 10.8.4 | Utility Clearance (D-419) | 2.5% | 79.4% | 82.8% | 2.1% |
| 10.14/15 | Traffic Control Plan & Traffic Signal Plans | 8.3% | 8.3% | 8.3% | 0.7% |
| 10.25/26/27 | E&S Plan/NPDES Permit & SWM Plan | 12.3% | 0.7% | 0.7% | 0.1% |
| 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 | 49.6% |

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 |
|--|---------------------|---------------------|----------------------|
| DIRECT COSTS OTHER THAN PAYROLL | | | |
| Reproduction | \$4,430.00 | \$4,707.00 | \$0.00 |
| Infiltration Testing (PDA) | \$5,000.00 | \$0.00 | \$0.00 |
| TOTAL | \$9,430.00 | \$4,707.00 | \$0.00 |
| DIRECT COST OF SERVICES BY OTHERS | | | |
| Subconsultants | | | |
| AECOM (Formerly URS CORP. [URS]) | \$93,511.51 | \$82,664.14 | \$0.00 |
| PAQ, Inc. | \$63,287.51 | \$14,644.79 | \$0.00 |
| CHRS, Inc. | \$72,138.87 | \$51,370.83 | \$0.00 |
| Ground Reconsidered, Inc. | \$60,359.83 | \$31,102.66 | \$0.00 |
| Gannett Fleming | \$68,714.64 | \$57,938.64 | \$0.00 |
| TOTAL | \$358,012.36 | \$237,721.06 | \$0.00 |

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

Agreement No. 164228-A

DIRECT PAYROLL TABULATION

PART I

PERIOD: FROM 1/1/20 TO 1/31/20

| EMPLOYEE | CLASSIFICATION | DESCRIPTION OF WORK ITEMS | | | | | | | | | | | | TOTAL HOURS THIS PERIOD | ACTUAL HOURLY RATE | DATE APPROVED BY DEPARTMENT | PAYROLL THIS PERIOD | | |
|-------------------------------|--------------------|-------------------------------------|---------------------------|-------------------|---------------------------------|--------------------------------------|---|---|-------------------------|---------------------------|---|--|---|-------------------------|--------------------|-----------------------------|---------------------|------------------------|--|
| | | Project Management / Administration | Public/Agency Involvement | Rightizing Design | Safety Review/Design Field View | Pre-Final Utilities and Right-of-Way | CBE Reevaluation & Final Roadway Design | Final Drainage/Pavement Design, Draft Special Provisions & Cross Sections | Final Right-of-Way Plan | Utility Clearance (D-419) | Traffic Control Plan & Traffic Signal Plans | E&S Plan/NPDES Permit & Stormwater Management Plan | Final Plans Check/FDOM & Assemble Bid Package Documents | | | | | Post Design Activities | |
| T. F. Boles | Sr. Proj. Engineer | 1.1 | 1.3 | 4.2.10.991A | 8.7/4.10 | 9 | 10.1/10.2 | 10.2.1/2.4.2.1 | 10.5 | 10.8.4 | 10.14/15 | 10.25/26/27 | 10.28/29 | 11.1 | 0.0 | \$62.70 | 7/1/19 | \$0.00 | |
| M. C. Boles | Eng. Coordinator | | 7.5 | | | | | | | 8.0 | | | | | 15.5 | \$60.95 | 7/1/19 | \$944.73 | |
| P. J. Boles | Eng. Technician | | | | | | | | | | | | | | 0.0 | \$40.90 | 7/1/19 | \$0.00 | |
| J. Smyth, Jr. | Project Engineer | | | | | | | | | | | | | | 0.0 | \$54.65 | 7/1/19 | \$0.00 | |
| D. Plett | Eng. Technician | | | | | | | | | | | | | | 0.0 | \$38.05 | 7/1/19 | \$0.00 | |
| R. Z. Wu | Eng. Technician | | | | | | | | | | 29.0 | | | | 29.0 | \$17.75 | 10/25/19 | \$514.75 | |
| J. B. Singer | Eng. Technician | | | | | | | | | | 31.0 | | | | 31.0 | \$19.50 | 1/1/20 | \$604.50 | |
| V. R. Mothukpally | Eng. Technician | | | | | | | | | | | | | | 0.0 | \$25.75 | 7/1/19 | \$0.00 | |
| C. J. Zebley V | Civil Engineer | | | | | | | | | | 5.0 | | | | 5.0 | \$36.75 | 2/16/19 | \$183.75 | |
| TOTAL HOURS THIS ESTIMATE | | 0.0 | 7.5 | 0.0 | 0.0 | 0.0 | 65.0 | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 | 0.0 | 0.0 | 80.5 | | TOTAL THIS PERIOD | \$2,247.73 | |
| TOTAL HOURS PREVIOUS ESTIMATE | | 164.5 | 209.5 | 1055.0 | 748.5 | 463.5 | 919.5 | 374.5 | 377.5 | 186.5 | 64.0 | 8.0 | 0.0 | 0.0 | 4571.0 | | | | |
| TOTAL HOURS TO DATE | | 164.5 | 217.0 | 1055.0 | 748.5 | 463.5 | 984.5 | 374.5 | 377.5 | 194.5 | 64.0 | 8.0 | 0.0 | 0.0 | 4651.5 | | | | |
| CONTRACT TOTAL HOURS | | 260.0 | 330.0 | 1050.0 | 955.0 | 430.0 | 1410.0 | 1340.0 | 425.0 | 235.0 | 770.0 | 1145.0 | 800.0 | 150.0 | 9300.0 | | | | |
| % HOURS USED TO DATE | | 63.3 | 65.8 | 100.0 | 78.4 | 100.0 | 69.8 | 27.9 | 88.8 | 82.8 | 8.3 | 0.7 | 0.0 | 0.0 | 50.0 | | | | |



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

March 2, 2020

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

Attn: Mr. Anthony Hamaday, Executive Secretary

Ref: Transportation Engineering, Consultant Services BSA No. 2020-03-036-25.09
 BSA Project 25.09

INVOICE #104

For professional services relative to transportation engineering consulting activity as performed from October 1, 2019 through December 31, 2019.

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 10/9/19, 11/13/19 and 12/11/19.

| | | | |
|----------------------------------|---------------------------------|---|-------------------|
| Jack Smyth, Jr., P.E. Proj. Eng. | <u>12.0 hrs. @ \$126.25/hr.</u> | = | <u>\$1,515.00</u> |
| | 12.0 hrs. Total | = | \$1,515.00 |

B. General Services

This work includes:

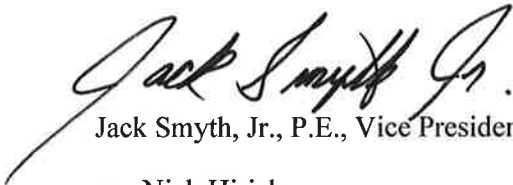
- Coordination with Township Planner to answer questions regarding potential development assessments
- Continued to evaluate available grants and/or reimbursement programs for each project which may be available from PennDOT, federal agencies, state agencies and private foundations.
- Continued coordination with 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.
- Received SEPTA Temporary Construction Easement executed agreement. Transmitted the complete Right of Way Plan set for recordation. Received comments from Gannett Fleming and addressed to receive Right of Way Clearance.
- Completed coordination and preparation of revised Final Structure Plans for utility design of Church Road bridge based on newly provided Aqua standards for bridge attachment over SEPTA. Received signed plans on October 12, 2019.
- Received direction that BSA would have to prepare Bridge Attachment Agreements for Aqua and Peco gas which will be the reimbursement agreement from the utility companies to the Transportation Authority. Prepared the agreements for Solicitor review. Upon concurrence, draft agreements were transmitted to Aqua and Peco gas for their review.
- Met with Authority Solicitor, Township and development team from Village at Valley Forge to determine method for return of escrow fund.
- Reviewed DVRPC Progress Status Report for the Phase II Henderson Road PA Turnpike Interchange study to determine peak hour volumes for Existing, No Build and Build Scenarios.
- Prepared for and attended Stakeholder Meeting for Potential Henderson Road Interchange in November, 2019.

Mr. Anthony Hamaday
March 2, 2020
Invoice #104

- Participate in monthly conference calls to coordinate activities related to the Potential Henderson Road Interchange project.
- Coordinated with SEPTA to receive their AutoCad design file mapping for the Route 100 Extension project.
- Began to revise design for the Henderson Road Interchange ramps to accommodate the proposed SEPTA Route 100 horizontal and vertical alignment.
- Began to prepare Act 209 Request For Proposal submission.

| | | | |
|---|--------------------------|---|----------------------------|
| Jack Smyth, Jr., P.E. Proj. Eng. | 24.5 hrs. @ \$126.25/hr. | = | \$ 3,093.13 |
| Michael Boles, Trans. Specialist | 15.0 hrs. @ \$126.25/hr. | = | \$ 1,893.75 |
| Ron Wagenmann, Trans. Specialist | 10.0 hrs. @ \$126.25/hr. | = | \$ 1,262.50 |
| Enrique Jacinto, Eng. Tech | 7.5 hrs. @ \$ 85.25/hr. | = | \$ 639.38 |
| Paul Boles, Eng. Tech | 11.0 hrs. @ \$ 85.25/hr. | = | \$ 937.75 |
| Deana Plett, Eng. Tech | 8.5 hrs. @ \$ 85.25/hr. | = | \$ 724.63 |
| Richard Z. Wu, Intern | 9.5 hrs. @ \$35.00/hr. | = | \$ 332.50 |
| Jordan Singer, Intern | 7.0 hrs. @ \$ 35.00/hr. | = | \$ 245.00 |
| | <u>93.0 hrs</u> | | <u>\$ 26,996.76</u> |
| Total Part A + B | | = | <u>\$ 9,128.64</u> |
| EXPENSE - Tri-State Data for Bike/Pedestrian Count at Allendale Road Bridge | | = | \$ 830.00 |
| Total Invoice #104 | | = | <u>\$ 11,473.64</u> |

Submitted by,


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

cc: Nick Hiriak



**184 Baker Road
Coatesville, PA 19320
(610) 466-1469**

Invoice

| | |
|------------|-----------|
| Date | Invoice # |
| 11/25/2019 | 9224 |

| |
|---|
| Bill To |
| Boles-Smyth 2400 Chestnut St Philadelphia, PA 19103 |

| Contract No. | Terms | Rep | Federal ID Number |
|--------------|---|--------|-------------------|
| 8252 | Net 30 | Fio | 23-2843075 |
| Quantity | Description | Rate | Amount |
| 1 | Five Day Video Only | 350.00 | 350.00 |
| 12 | Bike/Pedestrian Counts -Allendale Rd Bridge -Montgomery County, PA -Prepared for Michael Boles | 40.00 | 480.00 |
| Total | | | \$830.00 |

A late charge of 1.5% per month will be applied on past due invoices.

Serving Transportation Professionals Since 1995



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

March 3, 2020

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

Attn: Mr. Anthony Hamaday
Executive Director

Sub: Prince Frederick Extension, Planning Study

Ref: Final Invoice #9 for July, 2019 through February, 2020 Services

Dear Mr. Hamaday:

We are transmitting Invoice #9 with supporting documentation for the above referenced project in the total amount of **\$25,733.63**. Below is a summary of work activities for each firm.

Prime Consultant: Boles, Smyth Associates
Billing Period: July 1, 2019 through February 29, 2020
Billing Amount: \$25,733.63
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 which included multiple email and phone meetings to provide design related information.
- c) Met with representatives from the development team and Montgomery County Planning Commission regarding the Prince Frederick Extension design, schedule and relationship to the Chester Valley Trail Extension project.
- d) Continued coordination with the Delaware Valley Regional Planning Commission to obtain No Build 2045 AM/PM peak hour traffic volumes for the three intersections associated with the Prince Frederick Extension.
- e) Reviewed the updated traffic projections that may be associated with construction of the Prince Frederick Extension and the new development for DVRPC's use in preparing No Build 2045 peak hour traffic volumes on the Phase 2 PA Turnpike at Henderson Road study.

Task 3 - Recommended Concept Engineering Roadway Plans

- a) Continued coordination with the developer and coordinated with Montgomery County to determine the Prince Frederick Boulevard design at the Chester Valley Trail crossing.
- b) Reviewed and provided comment on 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.
- c) Revised alignment at the US 202 intersection to accommodate WB-62 truck due to further intersection design improvements.
- d) Coordinated with PennDOT Traffic Unit for design of Prince Frederick Boulevard at US 202. Revised design to provide a second left turn lane for the Saulin Boulevard approach.
- e) Completed Prince Frederick Boulevard design to add a right turn lane at US 202 to reduce the distance between turning vehicles and the Chester Valley Trail.
- f) 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 review the pavement markings to reflect the revised concept.
- b) Prepared Synchro AM / PM peak hour traffic analysis for the development condition to assist in setting proposed traffic signal phasing and timing at the realigned US 202 & Saulin Boulevard intersection.
- c) Prepared Synchro AM / PM peak hour traffic analysis for the Build condition and coordinated with DVRPC to assist in forecasting the volumes that may be using the Prince Frederick Extension.
- d) Completed the Traffic Signal Plan and Signal Permit Plan for the US 202 & Saulin/Prince Frederick Boulevard intersection as a result of design revisions noted in Task 3.
- e) Coordinated with development team Traffic Engineer for the required Rapid Flashing Beacon to be installed at the Chester Valley Trail. Reviewed the draft submission and provided comment.
- f) Coordinated with PennDOT Traffic Unit to discuss the coordination effort to ensure the revised US 202 & Saulin Boulevard signal design took into account the proposed development and ultimate Prince Frederick Boulevard Extension traffic.

Task 6 - Utility Coordination, Verification and Relocation Requirements

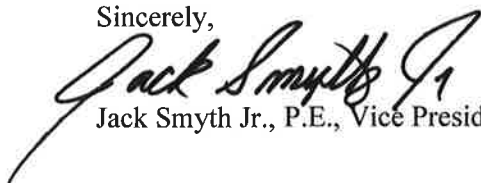
- a) No activities this period.

Task 7 - Right of Way Coordination & Requirements

- a) Continued coordination with development team and Montgomery County to delineate the Prince Frederick Boulevard Legal Right-of-Way.
- b) Designated an updated Legal Right-of-way for the new boulevard based on the updated design.

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 No Prince Frederick Ext Concept Study

District _____ County Montgomery

S. R. _____ Section _____

Estimate No. 9 - FINAL

Estimate Period From 7/01/19 To 2/29/20

Invoice # 2020-03-040-72.09

State Project No. _____

Federal Project No. _____

December, 2020

EXPIRATION DATE - THIS PART

| AGREEMENT AMOUNTS | AMOUNTS EARNED | | AMOUNTS DUE |
|--|--|--------------|---------------------------------------|
| 1. SPECIFIC RATE OF COMPENSATION MAXIMUM \$141,125.00 | TO DATE | \$141,069.45 | |
| | PREVIOUS | \$115,335.82 | |
| | 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 \$0.00 | 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>100.0%</u> | | | |
| TOTAL (THIS PART) \$141,125.00 | MAXIMUM AGREEMENT AMOUNT \$141,125.00 | | TOTAL THIS INVOICE \$25,733.63 |
| | TOTAL INVOICES TO DATE (THIS PART) \$141,109.45 | | |

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

ESTIMATED PROGRESS REPORT - SPECIFIC RATE OF COMPENSATION AGREEMENT

Agreement No. _____
 PART I _____

| DESCRIPTION OF WORK DIRECT COSTS OTHER THAN PAYROLL | ESTIMATED COST | BILLED TO DATE | BILLED THIS ESTIMATE |
|--|----------------|----------------|----------------------|
| Reproduction & Travel Expenses are included in overall cost. Expenses will only be for Deed Research at the Montgomery County Recorder of Deeds Office | | | |
| FUND ENVIRONMENTAL SCREENING | | \$40.00 | \$0.00 |
| TOTAL | \$0.00 | \$40.00 | \$0.00 |
| DIRECT COST OF SERVICES BY OTHERS SUBCONSULTANTS | | | |
| TOTAL | \$0.00 | \$0.00 | \$0.00 |

Memo

To: Upper Merion Transportation Authority
From: Nicholas F. Hiriak, Director of Finance & Administration *NFA*
CC:
Date: 2/11/2020
Re: Authority reimbursement to General Fund for 2019 expenses

Authority Members:

The following is a summary of expenses incurred and advanced by the Township General Fund for 2019 expenses for the Transportation Authority:

| | |
|--|--------------------|
| Salary/Wage Expense | \$20,047.00 |
| Payroll Tax FICA | \$ 1,534.00 |
| TOTAL DUE TO UPPER MERION TOWNSHIP GENERAL FUND | \$21,581.00 |

Remit to: Upper Merion Township
175 W. Valley Forge RD
King of Prussia, PA 19406
Attn.: Nicholas F. Hiriak

GF Entry @ 12/31/19
Dr. 01130-0098
Cr. 01395-0098
GF Entry @ 2020
Dr. 01100-0000
Cr. 01130-0098