

TOWNSHIP OF ABINGTON

PUBLIC WORKS COMMITTEE

Tom Hecker, Chair Drew Rothman, Vice-Chair Dennis Zappone Tom Bowman Ken Brodsky

A G E N D A June 6, 2018 7:00 P.M.

1. CALL TO ORDER

2. CONSIDER APPROVAL OF MINUTES

a. Motion to approve the minutes of the May 2, 2018 Public Works Committee Meeting.

3. PRESENTATION

a. SEPTA Jenkintown Flood Mitigation Project Dennis Stefanski

4. UNFINISHED BUSINESS

5. NEW BUSINESS

a. <u>Public Works Committee</u> Commissioner Tom Hecker, Chair

PW-01-061418 Consider a motion to approve final payment in the amount of

\$65,728.73 to Almeida & Hudak Contractors, LLC. upon

receipt of a satisfactory one-year Maintenance Bond.

PW-02-061418 Consider a motion to approve the no cost transfer of funds

associated with Supplement F (Agreement No. 06132-F) with

PENNDOT for the Edge Hill Road and Tyson Avenue

Reconstruction and Flood Control Project.

6. PUBLIC COMMENT

7. ADJOURNMENT





SOUTHEASTERN PENNSYLVANIA TRANSPORTATION AUTHORITY RESILIENCY PROGRAM

DENNIS STEFANSKI, PE
PROGRAM MANAGER – SPECIAL PROJECTS EM&C

Jenkintown Area Flood Mitigation (\$15.0 M CONSTRUCTION)



- \$20 MILLION TOTAL PROJECT COST
- COMPREHENSIVE STUDY OF DRAINAGE PATTERNS
- NEW BOX CULVERT/RAINWATER DETENTION SYSTEMS
- REINFORCEMENTS TO BRIDGE 10.97



Jenkintown Area Flood Mitigation: Army Corps of Engineers/DEP



- Continued communication between ACOE and PADEP
- SEPTA Scope of Work
 - Some bridge substructures date as early as 1890 (MP 11.22)
 - Water entering area of study/remediation leaves at same rate
 - Harden the Right of Way, Restoration of service

Jenkintown Area Flood Mitigation: Why is this Important?



- Over 5 Million annual boards affected from Jenkintown Station north
 - 37 Stations impacted if inoperable
 - Expensive to bus that large of area
- Importance of restoration of service
- Importance of H&H study
 - Impacts of hardening/resiliency efforts
 - Understand pinch-points existed prior to surrounding community "build"
 - Economic impact to both SEPTA assets and local communities



Jenkintown Area Flood Mitigation: Scope of Work





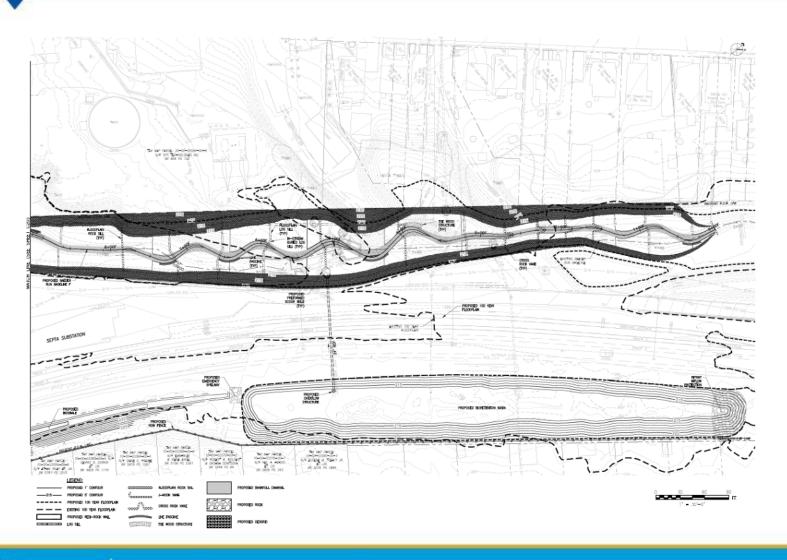
Jenkintown Area Flood Mitigation: Scope of Work





Jenkintown Area Flood Mitigation: **Scope of Work**









QUESTIONS?

DENNIS STEFANSKI, PE

PROGRAM MANAGER - SPECIAL PROJECTS EM&C

OFFICE: 215-580-7277

EMAIL: DSTEFANSKI@SEPTA.ORG



PUBLIC WORKS COMMITTEE

AGENDA ITEM

6-6-18	PW-01-060618	FISCAL IMPACT
Date	Agenda Item Number	Cost > \$10,000.
Dullia Marles		Yes 🚺 No 📗
Public Works		
Department		PUBLIC BID REQUIRE
		Cost > \$20,100
		Yes No
AGENDA ITEM:		
2017 Capital/Phase I Stor	rm Sewer Projects	
•	•	
Executive Summary:		
from 2017 Capital/Phase	2) project locations of storm sewer and creel I Storm Sewer Projects. 014,885.00; and the closing amount came in a	- 1
Previous Board Actio	DNS:	
Board approved 2017 Ca Contractors, LLC.	pital projects and entered into a contract wi	th Almeida & Hudak

RECOMMENDED BOARD ACTION:

Motion to approve final payment in the amount of 65,728.73 to Almeida & Hudak Contractors, LLC. upon receipt of a satisfactory one-year Maintenance Bond.



TOWNSHIP OF ABINGTON

Office of the Township Manager

Richard J. Manfredi Township Manager

FISCAL NOTE

AGENDA ITEM NUMBER	: PW-01-0606018	DATE INTRODUCED:	May 23	, 2018

FISCAL IMPACT AMOUNT: \$65,728.73 FUND: 2017 Capital

FISCAL IMPACT: YES NO

FISCAL IMPACT

Cost > \$10,000.

Yes No

SUMMARY

Board of Commissioners approved the 2017 Capital/Phase I Storm Sewer Projects to be funded from Account No. 07-00-967-7200.

ANALYSIS

Completion and final project payment.

PROJECT OWNER : ABINGTON TOWNSHIP

PROJECT : 2017 CAPITAL/PHASE 1 STORM SEWER CONTRACTOR: ALMEIDA & HUDAK CONTRACTORS, LLC

INVOICE NO. : DATE SUBMITTED: WORK COMPLETED:

TOTAL DAYS ALLOWED:

NOTICE TO PROCEED :

69.73% 365

PERIOD ENDING: COMPLETION :

5 5/1/18 5/1/18 7/1/18

DAYS USED:

304

83%

01-Jul-17

20C HEADWALL/ENERGY DISSIPATERS 1 EA \$1,500.00 1,500.00 1 1,500.00 0 0.00 1 1,500.00			В	ID	BID !	BID	PRIOR ES	STIMATES	INCREASE	THIS PERIOD	TOTALS	TO DATE
CLEARING AND GRUBBING		ITEM DESCRIPTION			UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
3 ROCK EXCAVATION					-							25.000.00
SA CONCRETE CURB - T" × R" × 18" 1200 LF \$20.00 \$24.000.00 614 12.280.00 0.00 614 12.280.00							1					
\$8 BITUMINOUS CURB \$A SIDEWALK RESTORATION 4" 2840 SF \$50.00 \$35,\$500.00 215 \$2,880.00 376 \$334.00 2280 \$25 \$50.00 325,\$600.00 325,\$600.00 325,\$600.00 326,\$600.00 327,\$600.00 326,\$600.00 327,\$600.00 3												
88 SIDEWALK RESTORATION 4" 2840 SF \$8.0.0 \$22,560.00 1907 17,152.00 375 3,384.00 2283 22,547.00 68 SIDEWALK REST WERESH 6" 1460 SF \$510.00 \$314,500.00 682 6,826.00 70 700.00 722 7,220.00 60 147 147.00.00 147.00.00 147 147.00.00												
SIDEWALK REST WIRE MESH 6"												
6C HANDICAPPED RAMPS 25 EA \$580.00 \$23,750.00 12 \$11,400.00 0 0.00 12 \$11,400.00 7A \$17												
7A 1" WEARING COURSE												
78												
7C 0"-3" MILLING												
SA												
SEC SEC TRENCH PAVING 2845 LF \$20.00 56,900.00 2628 \$2,560.00 0 0.00 2628 \$5,560.00 120 126 157 158 15												
12A 15" HDPE												
128 18" HDPE									0			
12C 24" HDPE									0			
12D 42" HDPE												
12E MISC DRAINAGE STRUCTURE									_			
15A TYPE C INLETS 29 EA \$1,250.00 36,250.00 15 18,750.00 0 0.00 15 18,750.00 16B TYPE M INLET 3 EA \$1,400.00 7 9,800.00 7 9,800.00 0 0.00 7 9,800.00 0 0.00 7 9,800.00 0 0.00 7 9,800.00 0 0.00 0												
16B TYPE M INLET 3 EA \$1,400.00	12E											
16C OPEN MOUTH INLETS	16A	TYPE C INLETS										
16D TRENCH GRATE	16B	TYPE M INLET										
20A STANDARD STORM MANHOLE 8 EA \$2,000.00 16,000.00 6 12,000.00 0 0.00 6 12,000.00	16C	OPEN MOUTH INLETS	9	EA	\$1,500.00	13,500.00	0	0.00	0	0.00	0	
20B TIE INTO EXISTING STRUCTURE 12	16D	TRENCH GRATE	1	EA	\$1,500.00	1,500.00		0.00				
20C HEADWALL/ENERGY DISSIPATERS 1 EA \$1,500.00 1,500.00 1 1,500.00 0 0.00 1 1,500.00	20A	STANDARD STORM MANHOLE	8	EA	\$2,000.00	16,000.00	6	12,000.00	. 0	0.00	6	12,000.00
27A SODTOPSOIL 1 LS \$5,000.00 5,000.00 1 5,000.00 0 0.00 1 5,000.00 27B LANDSCAPING ALLOWANCE 1 LS \$25,000.00 25,000.00 0.88 22,000.00 0 0.00 0.88 22,000.00 0 0.00 0.88 22,000.00 0 0.00 0.88 22,000.00 0 0.00 0.88 22,000.00 0 0.00 0.88 22,000.00 0 0.00 0.88 22,000.00 0 0.00 0.89 0.00	20B	TIE INTO EXISTING STRUCTURE	12	EA		6,000.00	14	7,000.00	0	0.00	14	7,000.00
27B LANDSCAPING ALLOWANCE	20C	HEADWALL/ENERGY DISSIPATERS	1	EA	\$1,500.00	1,500.00	1	1,500.00	0	0.00	1	1,500.00
28A 2A MOD BACKFILL 2305 LF \$5.00 11,525.00 1994 9,970.00 0 0.00 1994 9,970.00 28B 2B STONE BACKFILL 2305 LF \$6.00 13,830.00 2054 12,324.00 0 0.00 2054 12,324.00 0 0.00 2054 12,324.00 0 0.00 2054 12,324.00 0 0.00 2054 12,324.00 0 0.00 2054 12,324.00 0 0.00 2054 12,324.00 0 0.00 0 0.00 89 17,800.00 0 0.00 0 0.00 89 17,800.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0 0 0	27A	SOD/TOPSOIL	1	LS	\$5,000.00	5,000.00	1	5,000.00	0	0.00	1	5,000.00
28B 28 STONE BACKFILL 2305 LF \$6.00 13,830.00 2054 12,324.00 0 0.00 2054 12,324.00 31 MISC CONCRETE 100 CY \$200.00 20,000.00 89 17,800.00 0 0.00 89 17,800.00 89 17,800.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00	27B	LANDSCAPING ALLOWANCE	1	LS	\$25,000.00	25,000.00	0.88	22,000.00	0	0.00	0.88	22,000.00
31 MISC CONCRETE 100 CY \$200.00 20,000.00 89 17,800.00 0 0.00 89 17,800.00 84 RETAINING WALL UNITS 7200 SF \$34.00 244,800.00 7541 256,394.00 0 0.00 7541 256,394.00 92 ENGINEER/SURVEY/EQUIP. ALLOWANCE 1 LS \$35,000.00 35,000.00 0.07 2,450.00 0 0.00 0.07 2,450.00 93 OFEMIT FEE 1 LS \$5,000.00 5,000.00 0 0.00 0 0.00 0 0.00 94 BERM 250 CY \$20.00 5,000.00 178 3,560.00 0 0.00 178 3,560.00 95 BANK EXCAVATION 350 CY \$20.00 7,000.00 359 7,180.00 0 0.00 359 7,180.00 96 BASINS AT MCKINLEY FIRE HOUSE 1 LS \$14,750.00 14,750.00 1 14,750.00 0 0 90 0 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90 0 0 0 90 0 0 90 0 0 0 90 0 0 90 0 0 90 0 0 90 0 0 0 90 0 90 0 0	28A	2A MOD BACKFILL	2305	LF	\$5.00	11,525.00	1994	9,970.00	0	0.00	1994	9,970.00
84 RETAINING WALL UNITS 7200 SF \$34.00 244,800.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 7541 256,394.00 0 0.00 0.00 0.00 0.00 0.00 0.00 0.	28B	2B STONE BACKFILL	2305	LF	\$6.00	13,830.00	2054	12,324.00	0	0.00	2054	12,324.00
02 ENGINEER/SURVEY/EQUIP. ALLOWANCE 1 LS \$35,000.00 35,000.00 0.07 2,450.00 0 0.00 0.07 2,450.00 03 PERMIT FEE 1 LS \$5,000.00 5,000.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 178 3,560.00 0 0.00 178 3,560.00 0 0 0.00 178 3,560.00 0 0 0.00 0	31	MISC CONCRETE	100	CY	\$200.00	20,000.00	89	17,800.00	0	0.00	89	17,800.00
03 PERMIT FEE	84	RETAINING WALL UNITS	7200	SF	\$34.00	244,800.00	7541	256,394.00	0	0.00	7541	256,394.00
04 BERM 250 CY \$20.00 5,000.00 178 3,560.00 0 0.00 178 3,560.00 05 BANK EXCAVATION 350 CY \$20.00 7,000.00 359 7,180.00 0 0.00 359 7,180.00 06 BASINS AT MCKINLEY FIRE HOUSE 1 LS \$14,750.00 1 14,750.00 0 <td>02</td> <td>ENGINEER/SURVEY/EQUIP. ALLOWANCE</td> <td>1</td> <td>LS</td> <td>\$35,000.00</td> <td>35,000.00</td> <td>0.07</td> <td>2,450.00</td> <td>0</td> <td>0.00</td> <td>0.07</td> <td>2,450.00</td>	02	ENGINEER/SURVEY/EQUIP. ALLOWANCE	1	LS	\$35,000.00	35,000.00	0.07	2,450.00	0	0.00	0.07	2,450.00
05 BANK EXCAVATION 350 CY \$20.00 7,000.00 359 7,180.00 0 0.00 369 7,180.00	03	PERMIT FEE	1	LS	\$5,000.00	5,000.00	0	0.00	0	0.00	0	0.00
06 BASINS AT MCKINLEY FIRE HOUSE 1 LS \$14,750.00 1 14,750.00 0 0.00 1 14,750.00 0	04	BERM	250	CY	\$20.00	5,000.00	178	3,560.00	0	0.00	178	3,560.00
	05	BANK EXCAVATION	350	CY	\$20.00	7,000.00	359	7,180.00	0	0.00	359	7,180.00
0 0	06	BASINS AT MCKINLEY FIRE HOUSE	1	LS	\$14,750.00	14,750.00	1	14,750.00	0	0.00	1	14,750.00
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25222222222 \$675,714.50

\$31,943.00

\$707,657.50

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APPROVED BY	_ Almeida & Hudak	Contractors,	LLC	TOTAL AMOUN	IT DUE	\$31,943.00		\$707,657.50
Stephen M. Hudak, Member/President				RETAINAGE	0%	\$0.00		\$0.00
APPROVED BY APPROVED BY		,		TOTAL LESS R	ETAINAGE	\$31,943.00		\$707,657.50
	_			RELEASED RE	TAINAGE	\$33,785.73		
5-16-18 Acct.	H07.00.	967.7	200	LESS PREVIOU	JS PAYMENTS	;		\$641,928.77
				TOTAL AMOUN	IT PAYABLE	\$65,728.73		\$65,728.73
final payment								



PUBLIC WORKS COMMITTEE

AGENDA ITEM

5-31-18	PW-02-061418	FISCAL IMPACT
Date	AGENDA ITEM NUMBER	Cost > \$10,000.
D 11: 147 1		Yes No 🗸
Public Works	_	
Department		PUBLIC BID REQUIRED
		Cost > \$20,100
		Yes No V
AGENDA ITEM:		
Edge Hill Road and Tyson A	venue Reconstruction and Flood Con	trol Project
EXECUTIVE SUMMARY:		
provisions of the existing cor	lditional Supplement F work in accor- ntract and the scope-of-work. The sup ot increase the project budget or cont	plement is a no cost
	rom the sub-consultant, Hunt Engine noni has exceeded the budgeted hour	
	their direct expense budget and ASC	
coordination and plat change	es for acquisitions.	
Previous Board Actions:		

RECOMMENDED BOARD ACTION:

Consider motion for the Board of Commissioners to approve the no cost transfer of funds associated with Supplement F (Agreement No. 06132-F) with PENNDOT for the Edge Hill Road and Tyson A venue Reconstruction and Flood Control Project.





ABIN0501F

Mr. Richard Manfredi Township Manager 1176 Old York Road Abington, PA 19001

Re: Agreement 064132 - Supplement F - No cost transfer of funds

SR 2034; Section MG1

Edge Hill Road and Tyson Avenue

Abington Township, Montgomery County

Dear Mr. Manfredi:

We are requesting a supplement to Agreement 064132 for the transfer of funds. This supplement is administrative and no changes to the overall project budget or reimbursement agreement are required. The following documents are attached for your review:

Scope of Services
Price Proposal
Summary of DBE participation for PennDOT

La Jeans

Once the documents have been approved, we can forward this to PennDOT for processing. Please do not hesitate to contact me at (215) 254-7879 or <u>dferraro@pennoni.com</u> should you have any questions or require additional information.

Sincerely,

PENNONI ASSOCIATES INC.

Debra Ferraro, PE

Associate Vice President

Supplemental Agreement No. 064132-F Technical Scope of Work– Final Design Part II April 2, 2018

Pennoni will complete the additional Supplement F work in accordance with the provisions of the existing contract and the scope-of-work as follows. The supplement is a no cost transfer of budget and will not increase the project budget or contract timeframe.

Pennoni will transfer hours from our subconsultant, Hunt Engineering, to complete remaining survey tasks associated with Jenkintown Road and Hillside Drive. Pennoni has exceeded the budgeted hours for right-of-way and will transfer hours from our direct expense budget and ASC Group to continue coordination and plat changes for acquisitions.

The supplement E scope of services is described below:

Task 1 Survey

Pennoni will establish reference ties to the construction baselines along Hillside Drive A, Hillside Drive B, SR 2021 (Jenkintown Road). Pennoni will take field measurements to refine the location of existing pavement markings and conduit along SR 2021 (Jenkintown Road).

Task 5 Construction Proposal

Pennoni will incorporate the survey information into the construction plans/documents.

Task 8 Right-of-Way

Pennoni will perform additional coordination and property plat changes for right-of-way acquisition on the remaining parcels. We have used up the existing budget for this task and will complete these services through a transfer of excess direct expense budget.

PROPOSAL SUMMARY

Total Estimated Engi	neering Costs:	
Prime:	Pennoni Associates, Inc.	\$17,362.87
Subs:	ASC Group Hunt Engineering	-\$5,862.87 -\$11,500.00
		\$0.00 \$0.00
Total Estir	nated Engineering Costs	\$0.00
Proposed Method of	Payment:	Cost Plus Fixed Fee
Proposed Agreemen	t Period:	
Anticipate	d Notice to Proceed:	May 1, 2018
Anticipate	d Completion Date:	August 1, 2018
Duration:		3 Months
	Pennoni Associates 1900 Market Street Suite 300 Philadelphia, PA 19103 Federal I.D. No. 23-1683429	
	Contact Person: Debra Ferraro	DE

Contact Person: Debra Ferraro, P.E.

Project Manager 215-222-3000

Proposal Prepared by: Debra Ferraro, P.E.

Abington Township, Montgomery County S.R. 2034, SECTION MG1

Edge Hill Road and Tyson Avenue Supplemental Agreement No. 064132-F

SUMMARY OF CHANGES IN COST (Part II - Final Design)

Item	Current Contract \$	New Contract \$	Change
Direct / Indirect Payroll Costs			
Direct Payroll Cos	sts \$916,486.37	\$926,932.57	\$10,446.20
Contract Overhe	ad \$1,314,978.31	\$1,331,020.33	\$16,042.02
Overhead % = <u>153.568%</u>			
Subtotal - Direct & Indirect Payroll Cos	sts \$2,231,464.68	\$2,257,952.90	\$26,488.22-
Net Fee 9.72%	\$222,040.14	\$224,614.79	\$2,574.65
Direct Costs Other Than Payroll			
Travel (Mileage & Tolls)	\$4,309.60	\$4,309.60	\$0.00
Parking	\$0.00		\$0.00
Lodging	\$0.00		\$0.00
Meals & Incidental Expenses (M&EI)	\$0.00		\$0.00
Reproductions	\$3,055.00	1 ' 1	\$0.00
Other (borings, ATR counts)	\$33,407.20		-\$11,700.00
Subtotal - Direct Costs Other Than Payl			-\$11,700.00-
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Direct Costs and Work Performed by Others			40.00
	\$0.00	· '	\$0.00
Hunt Engineer			-\$11,500.00
ASC Group 1			-\$5,862.87
	\$0.00		\$0.00
	\$0.00	\$0.00	\$0.00
Tot	als \$185,146.64	\$167,783.77	-\$17,362.87 -
Escalation of Direct / Indirect Payroll Costs	\$110,537.85	\$110,537.85	\$0.00-
Premium Pay	\$0.00	\$0.00	\$0.00-
Subtotal - Engineering Costs	\$2,789,961.11	\$2,789,961.11	\$0.00
Non-professional Services	\$0.00	\$0.00	\$0.00
Total Engineering Cost	\$2,789,961.11	\$2,789,961.11	\$0.00
Total Engineering oost	, , , , , , , , , , , , , , , , , , , ,		

Project Employees Average Rates

Project Manager	<u>Average</u> \$55.00
Senior Engineer	\$55.00
Project Engineer	\$44.23
Staff Engineer	\$38.71
Associate Engineer	\$32.29
Graduate Engineer	\$29.14
Engineering Tech	\$17.50

SUMMARY OF CHANGES IN COST (Part II - Final Design)

Classification/Name	_	Pay Rate	<u>Average</u>
Project Manager			\$55.00
Ferraro	Debra	\$78.37	
Senior Engineer	1		\$55.00
Filip	John	\$61.70	
Hassan	Kazi	\$56.25	
Reigle	Jen	\$52,57	
Oliver-Commey	Yolanda	\$55.29	
Project Engineer	٦		\$44.23
Siriani	Drew	\$46.78	Ψ11.20
Harbeson	Eric	\$43.38	
Stathos	Andrew	\$43.51	
Joshi	Abhishek	\$43.25	
003111	Aprilation	φ40.23	
Staff Engineer	7		\$38.71
Gormley	Jesse	\$38.13	
Oberg	Carl	\$39.29	
Associate Engineer	٦		\$32.29
McCresh	Sean	\$35.82	
Chateauvert	Lindsay	\$34.82	
Abel	Tim	\$30.32	
Edison	lan	\$28.19	
Graduate Engineer	7		\$29.14
Nichols	Jacob	\$29.70	, , , , , ,
Schroeder	Danielle	\$28.57	
		4=0.4.	
Engineering Tech	٠ .		\$17.50
Kullman	∟ Michael	\$17.50	Ψ17.00
Kumman	THE STATE OF	Ψ17.00	

Escalation Rate Computation

Annual Rate of Escalation Anticipated Notice to Proceed Anticipated Date of Completion		3 months			3.00% 05/01/18 08/01/18		
Final Design							
Anticipated Wage Increase	(Pennoni ant 5/18-9/18 Weighted Average	icpates raises e 3 0 0 0 0 3 3 300.00% Therefore Esc	mos mos mos mos mos	@ @ @ @	100.00% 103.00% 103.00% 109.27% 112.55%	= == =	300.00% 0.00% 0.00% 0.00% 0.00% 300.00%
Escalation Computation							
Direct Payroll Costs (less costs ca Indirect Payroll Costs Direct & Indirect Payroll (less costs	Overhead Rate =	153.568%				= -	\$0.00 \$0.00 \$0.00
Escalation	n for Final Design =	\$0.00	Χ	0.00%		=	\$0.00

Direct Costs Other Than Payroll

Final Design

		Miles/Trip)			Mile	\$ / Mile		
Trips to District Office	0 Trips	0	x 2	=		0	\$0.540	=	\$0.00
Trips to Site	0 Trips	0	x 2	=		0	\$0.540	=	\$0.00
Tolls	0 Trips		x 2	=	@	\$10.00	Trip	=	\$0.00
Parking	0 Trips		x 1	=	@	\$15.00	Trip	=	\$0.00
Lodging (Montgomery Co)	0 Nights		x 2	People	@	\$133.56	Night	=	\$0.00
Per Diem	0 Days		x 2	People	@	\$46.00	Day	=	\$0.00
						To	tal Travel	=	\$0.00
Reproductions (Deliverables or	nly)								
Prints (Half size)	0 prints		@	\$0.50	print			=	\$0.00
Prints (Full size)	0 prints		@	\$0.60	print			=	\$0.00
Full Size Mylars	0 sheets		@	\$5.00	sheet			=	\$0.00
Copies (8½" x 11")	0 pages		@	\$0.07	page			=	\$0.00
						Total Repr	oductions	=	\$0.00
Others									
Transfer (to direct labor)	1 units		@	-\$11,700.00	per / unit			=	-\$11,700.00
ATR counts	0 units		@	\$0.00	per / unit			=	\$0.00
infiltration testing for bmp	0 units		@	\$0.00				=	\$0.00
borings for rail crossing	0 units		@	\$0.00	per / unit			=	\$0.00
						To	tal Others	=	-\$11,700.00
Total Final Design								=	-\$11,700.00

Task/Hours Summary

		Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Associate Engineer	Graduate Engineer	Engineering Tech	Totals
Tasks		\$55.00	\$55.00	\$44.23	\$38.71	\$32.29	\$29.14	\$17.50	101010
12583	Hours	\$55.00	20	0	48	48	0	0	124
Task 1 Surveys	\$	\$440.00	\$1,100.00	\$0.00	\$1,858.08	\$1,549.92	\$0.00	\$0.00	\$4,948.00
Task 2 Roadway Design	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 3 Final Cross Sections	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 4 Erosion Control	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 5 Construction Proposal	Hours	0	8	0	0	30	0	0	38
	\$	\$0.00	\$440.00	\$0.00	\$0.00	\$968.70	\$0.00	\$0.00	\$1,408.70
Task 6 Environmental Documentation	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 7 Project Management	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 8 Right-of-way plans	Hours	0	45	0	0	50	0	0	95
	\$	\$0.00	\$2,475.00	\$0.00	\$0.00	\$1,614.50	\$0.00	\$0.00	\$4,089.50
Task 9 Final Structure Design	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 10 Subsurface Boring, Sampling, and Testing	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 11 MPT	Hours	0	0	0	0	L	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 12 Final Traffic Signal Plans	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 13 Pavement Marking and Signing	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 14 Utilitites	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 15 Agency Coordination	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 16 Meetings/Public Information	Hours	0	0	0	0	0	0	0	0
	\$	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	Hours	8	73	0	48	128	0	0	257
	\$	\$440.00	\$4,015.00	\$0.00	\$1,858.08	\$4,133.12	\$0.00	\$0.00	\$10,446,20





April 2, 2018

ABIN0501F

Mr. Narayana Velaga, PE Project Manager – Consultant Liaison PennDOT District 6-0 7000 Geerdes Boulevard King of Prussia, PA 19406-1525

Re:

Supplemental Agreement 064132-F

SR 2034; Section MG1 (Edge Hill Road and Tyson Avenue)

Abington Township, Montgomery County

DBE justification for Supplement F

Dear Narayana:

Our current DBE goal for this Agreement is 10%. With the approval of Supplement F, we currently meet the goal as follows:

DBE GOAL 10%

PROJECT DBE %	10.67%		
Total DBE Costs	\$407,083.67		
ASC Group, Inc. – Final Design Costs (final billed)	\$5,608.29		
Hunt - Final Design Costs (final billed)	\$162,175.48		
AHC - Preliminary Eng Costs (final billed)	\$12,749.76		
Hunt - Preliminary Eng Costs (final billed)	\$209,187.27		
Total Contract Costs	\$3,651,903.84		
Final Design Costs (budgeted)	\$2,789,961.11		
Preliminary Engineering Costs (billed)	\$861,942.73		

Please do not hesitate to contact me at (215) 254-7879 or <u>dferraro@pennoni.com</u> should you have any questions or require additional information to process this correspondence.

Sincerely,

PENNONI ASSOCIATES INC.

Ih Jenso

Debra Ferraro, PE

Associate Vice President