PRELIMINARY OPTION OF PROBABLE COST BOROUGH OF DORMONT PIEDMONT AVENUE STORM SEWER IMPROVEMENTS PHASE 1

Prepared by: Lennon, Smith, Souleret Engineering, Inc. Dated: July 10, 2020

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
-07	Roadway Milling / Profiling / Fine Grading (As Required),	20111111	CIVIL	FRICE	PRICE
1	Variable Depth (1.5" Average Depth)	1,550	SY	\$4.50	#/ 07F
	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3			34.30	\$6,975.0
	Million Design ESALs, PG 64-22, SRL-H -Borough				
2	Roadway	1,550	SY	\$8.00	\$12.400.4
	4" Average Depth, Superpave HMA Binder (Leveling)			\$0.00	\$12,400.0
	Course, 19 mm, 0 to 0.3 million Design ESALs, PG 64-22,				
3	Section 409	1,550	SY	\$40.00	\$62,000.0
	8" Limestone Subbase including Preparation of Subgrade and			\$10.00	302,000.0
	Installation of Class IV Fabric, 6" AASHTO No. 1 choked				
5	with 2" PennDOT 2A	79	SY	\$25.00	\$1,975.0
3	Plain Cement Concrete Curb (18" deep)	290	LF	\$50.00	\$14,500.0
	Type 'M' Inlet Top, Standard Box, Variable Depth, 10" Cast				ψ14,500.0
6	Iron Frame and Bicycle Safe Grate	3	EA	\$4,000.00	010 000 0
	Type 'C' Alternate Inlet Top, Standard Box (or Type 4 or		- Lit	\$4,000.00	\$12,000.0
	Type 5 Box, as required), Variable Depth, 10" Cast Iron				
7	Frame and Bicycle Safe Grate	5	E4		
e de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición de la composición dela composición de la composición dela c		3	EA	\$4,500.00	\$22,500.0
	Type 'M' Modified Box Detention Facility Transition				
8	Structure	. 1			
9	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	4	EA	\$15,000.00	\$60,000.00
_		480	LF	\$130.00	\$62,400.00
10	54" Corrugated Polyethylene Culvert Pipe (Smooth Lined)				
11		390	LF	\$390.00	\$152,100.00
11	Basin Outfall Structure Installation	1	EA	\$15,000.00	\$15,000.00
12	Bituminous Pavement Trench Restoration - Borough Roadway				415,000.00
	Maintenance and Protection of T. CC. 1 : C.	950	SY	\$80.00	\$76,000.00
	Maintenance and Protection of Traffic during Construction as				
	per PennDOT Publication 213 and the Federal Highway Administration Manual on Uniform Traffic Control Devices	1			
13	(MUTCD)				
14	Erosion and Sedimentation Control	1	LS	\$5,000.00	\$5,000.00
	The second control	1	LS	\$2,000.00	\$2,000.00
		_	Total		\$504,850.00
			25% Contingency,		
		_	Engineering and Legal		\$126,212.50
				Total	\$631,062.50

PRELIMINARY OPTION OF PROBABLE COST BOROUGH OF DORMONT PIEDMONT AVENUE STORM SEWER IMPROVEMENTS PHASE 2

Prepared by: Lennon, Smith, Souleret Engineering, Inc. Dated: July 10, 2020

NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
	Roadway Milling / Profiling / Fine Grading (As Required),				TRICE
11	Variable Depth (1.5" Average Depth)	1,750	SY	\$4.50	\$7,875.0
2	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3 Million Design ESALs, PG 64-22, SRL-H -Borough Roadway	1,750	SY	\$8.00	
3	4" Average Depth, Superpave HMA Binder (Leveling) Course, 19 mm, 0 to 0.3 million Design ESALs, PG 64-22, Section 409	1,750	SY	\$40.00	\$14,000.0
4	8" Limestone Subbase including Preparation of Subgrade and Installation of Class IV Fabric, 6" AASHTO No. 1 choked with 2" PennDOT 2A	1,750	SY	\$25.00	\$43,750.0
5	Plain Cement Concrete Curb (18" deep)	460	LF	\$50.00	\$23,000.0
6	Type 'M' Modified Box Detention Facility Transition Structure	3	EA	\$15,000.00	
7	Type 'C' Alternate Inlet Top, Standard Box (or Type 4 or Type 5 Box, as required), Variable Depth, 10" Cast Iron Frame and Bicycle Safe Grate	8	EA	\$4,500.00	\$45,000.0 \$36,000.0
8	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	300	LF		
9	6' Diameter Storm Manhole, Complete In Place	1	EA	\$130.00	\$39,000.0
10	54" Corrugated Polyethylene Culvert Pipe (Smooth Lined)	400	LF	\$8,000.00	\$8,000.0
11	Basin Outfall Structure Installation	1	EA	\$15,000.00	\$156,000.0
12	Bituminous Pavement Trench Restoration - Borough Roadway	450	SY	\$80.00	\$15,000.0
13	Maintenance and Protection of Traffic during Construction as per PennDOT Publication 213 and the Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD)	1	LS	\$5,000.00	\$36,000.00
14	Erosion and Sedimentation Control	1	LS	\$2,000.00	\$5,000.00
				Total	\$2,000.00 \$500,625.00
			25% Contingency, Engineering and Legal		\$125,156.25
				Total	\$625,781.25

PRELIMINARY OPTION OF PROBABLE COST BOROUGH OF DORMONT PIEDMONT AVENUE STORM SEWER IMPROVEMENTS PHASE 3

Prepared by: Lennon, Smith, Souleret Engineering, Inc. Dated: July 10, 2020

NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
	Roadway Milling / Profiling / Fine Grading (As Required),			IMCE	PRICE
1	Variable Depth (1.5" Average Depth)	100	SY	\$4.50	\$450.0
	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3			4.150	3430.0
2	Million Design ESALs, PG 64-22, SRL-H -Borough Roadway				
	4" Average Depth, Superpave HMA Binder (Leveling)	100	SY	\$8.00	\$800.0
	Course, 19 mm, 0 to 0.3 million Design ESALs, PG 64-22,				
3	Section 409	100	CV.		
	8" Limestone Subbase including Preparation of Subgrade and	100	SY	\$40.00	\$4,000.00
	Installation of Class IV Fabric, 6" AASHTO No. 1 choked				
4	with 2" PennDOT 2A	100	SY	525.00	1221.2001.00
5	Plain Cement Concrete Curb (18" deep)	430	LF	\$25.00 \$50.00	\$2,500.00
	Type 'M' Modified Box Detention Facility Transition	130	LF	330.00	\$21,500.00
6	Structure	2			
	Type 'C' Alternate Inlet Top, Standard Box (or Type 4 or		EA	\$15,000.00	\$30,000.00
	Type 5 Box, as required), Variable Depth, 10" Cast Iron				
7	Frame and Bicycle Safe Grate	.			
8	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	7	EA	\$4,500.00	\$31,500.00
9	24" Corrugated Polyethylene Culvert Pipe (smooth lined)	365	LF	\$130.00	\$47,450.00
		20	LF	\$180.00	\$3,600.00
10	60" Corrugated Polyethylene Culvert Pipe (Smooth Lined)	270	LF	\$440.00	\$118,800.00
11	4' Diameter Storm Manhole, Complete In Place	1	EA	\$4,000.00	THE RESERVE OF THE PERSON OF T
12	6' Diameter Storm Manhole, Complete In Place	1	EA		\$4,000.00
13	Basin Outfall Structure Installation	1		\$8,000.00	\$8,000.00
14	Brick Road Trench Restoration - Borough Roadway	326	EA	\$15,000.00	\$15,000.00
	Maintenance and Protection of Traffic during Construction as	320	SY	\$150.00	\$48,900.00
	per PennDOT Publication 213 and the Federal Highway Administration Manual on Uniform Traffic Control Devices				
15	(MUTCD)	1	LS	\$5,000.00	05.005
16	Erosion and Sedimentation Control	1	LS	\$2,000.00	\$5,000.00
				Total	\$2,000.00
			25% Contingency,		\$343,500.00
			Engineering and Legal		\$85,875.00
				Total	\$429,375.00