

**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 PRICE
1	Roadway Milling / Profiling / Fine Grading (As Required), Variable Depth (1.5" Average Depth)	1,550	SY	\$4.50	\$6,975.00
2	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3 Million Design ESALs, PG 64-22, SRL-H -Borough Roadway	1,550	SY	\$8.00	\$12,400.00
3	4" Average Depth, Superpave HMA Binder (Leveling) Course, 19 mm, 0 to 0.3 million Design ESALs, PG 64-22, Section 409	1,550	SY	\$40.00	\$62,000.00
4	8" Limestone Subbase including Preparation of Subgrade and Installation of Class IV Fabric, 6" AASHTO No. 1 choked with 2" PennDOT 2A	79	SY	\$25.00	\$1,975.00
5	Plain Cement Concrete Curb (18" deep)	290	LF	\$50.00	\$14,500.00
6	Type 'M' Inlet Top, Standard Box, Variable Depth, 10" Cast Iron Frame and Bicycle Safe Grate	3	EA	\$4,000.00	\$12,000.00
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	5	EA	\$4,500.00	\$22,500.00
8	Type 'M' Modified Box Detention Facility Transition Structure	4	EA	\$15,000.00	\$60,000.00
9	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	480	LF	\$130.00	\$62,400.00
10	54" Corrugated Polyethylene Culvert Pipe (Smooth Lined)	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	950	SY	\$80.00	\$76,000.00
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	\$5,000.00
14	Erosion and Sedimentation 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
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PIEDMONT AVENUE STORM SEWER IMPROVEMENTS
PHASE 2

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

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	Roadway Milling / Profiling / Fine Grading (As Required), Variable Depth (1.5" Average Depth)	1,750	SY	\$4.50	\$7,875.00
2	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3 Million Design ESALs, PG 64-22, SRL-II -Borough Roadway	1,750	SY	\$8.00	\$14,000.00
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	\$70,000.00
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	\$43,750.00
5	Plain Cement Concrete Curb (18" deep)	460	LF	\$50.00	\$23,000.00
6	Type 'M' Modified Box Detention Facility Transition Structure	3	EA	\$15,000.00	\$45,000.00
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	\$36,000.00
8	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	300	LF	\$130.00	\$39,000.00
9	6' Diameter Storm Manhole, Complete In Place	1	EA	\$8,000.00	\$8,000.00
10	54" Corrugated Polyethylene Culvert Pipe (Smooth Lined)	400	LF	\$390.00	\$156,000.00
11	Basin Outfall Structure Installation	1	EA	\$15,000.00	\$15,000.00
12	Bituminous Pavement Trench Restoration - Borough Roadway	450	SY	\$80.00	\$36,000.00
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	\$5,000.00
14	Erosion and Sedimentation Control	1	LS	\$2,000.00	\$2,000.00
Total					\$500,625.00
25% Contingency, Engineering and Legal					\$125,156.25
Total					\$625,781.25

**PRELIMINARY OPTION OF PROBABLE COST
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PHASE 3**

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

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	Roadway Milling / Profiling / Fine Grading (As Required), Variable Depth (1.5" Average Depth)	100	SY	\$4.50	\$450.00
2	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3 Million Design ESALs, PG 64-22, SRL-H -Borough Roadway	100	SY	\$8.00	\$800.00
3	4" Average Depth, Superpave HMA Binder (Leveling) Course, 19 mm, 0 to 0.3 million Design ESALs, PG 64-22, Section 409	100	SY	\$40.00	\$4,000.00
4	8" Limestone Subbase including Preparation of Subgrade and Installation of Class IV Fabric, 6" AASHTO No. 1 choked with 2" PennDOT 2A	100	SY	\$25.00	\$2,500.00
5	Plain Cement Concrete Curb (18" deep)	430	LF	\$50.00	\$21,500.00
6	Type 'M' Modified Box Detention Facility Transition Structure	2	EA	\$15,000.00	\$30,000.00
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	7	EA	\$4,500.00	\$31,500.00
8	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	365	LF	\$130.00	\$47,450.00
9	24" Corrugated Polyethylene Culvert Pipe (smooth lined)	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	\$4,000.00
12	6' Diameter Storm Manhole, Complete In Place	1	EA	\$8,000.00	\$8,000.00
13	Basin Outfall Structure Installation	1	EA	\$15,000.00	\$15,000.00
14	Brick Road Trench Restoration - Borough Roadway	326	SY	\$150.00	\$48,900.00
15	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	\$5,000.00
16	Erosion and Sedimentation Control	1	LS	\$2,000.00	\$2,000.00
Total					\$343,500.00
25% Contingency, Engineering and Legal					\$85,875.00
Total					\$429,375.00