

**PRELIMINARY OPTION OF PROBABLE COST
BOROUGH OF DORMONT
KELTON AVENUE WATERSHED STORMWATER IMPROVEMENTS**

OPTION No. 1

Prepared by:
Lennon, Smith, Souleret Engineering, Inc.
Dated: December 28, 2017

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Phase I - West Liberty Ave to Kelton Ave					
1	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	6	EA	\$4,000.00	\$24,000.00
2	Remove Existing Manhole Structure / Replace with 5ft Manhole Storm Manhole including Excavation and Backfill, Complete In-Place	1	EA	\$7,000.00	\$7,000.00
3	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
4	Storm Manhole including Excavation and Backfill, Complete In-Place	5	EA	\$4,000.00	\$20,000.00
5	36" Corrugated Polyethylene Culvert Pipe (smooth lined)	200	LF	\$150.00	\$30,000.00
6	24" Corrugated Polyethylene Culvert Pipe (smooth lined)	680	LF	\$110.00	\$74,800.00
7	15" Corrugated Polyethylene Culvert Pipe (smooth lined)	40	LF	\$100.00	\$4,000.00
8	Roadway Milling / Profiling / Fine Grading (As Required), Variable Depth (1.5" Average Depth)	1,125	SY	\$1.50	\$1,687.50
9	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3 Million Design ESALs, PG 64-22, SRL-H	1,125	SY	\$6.50	\$7,312.50
10	Erosion and Sedimentation Control	1	LS	\$5,000.00	\$5,000.00
Subtotal					\$178,800.00
25% Contingency, Engineering and Legal					\$44,700.00
Total					\$223,500.00

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
Phase II - Kelton Ave & Texas Ave to Athens Alley Base Bid					
1	Remove Existing Manhole Structure / Replace with 5ft Manhole Storm Manhole including Excavation and Backfill, Complete In-Place	1	EA	\$7,000.00	\$7,000.00
2	Type 'M' Inlet, Standard Box (or Type 4 or Type 5 Box, as required), Variable Depth, 10" Cast Iron Frame and Bicycle Safe Grate	1	EA	\$4,000.00	\$4,000.00
3	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	\$10,000.00	\$10,000.00
4	Storm Manhole including Excavation and Backfill, Complete In-Place	1	EA	\$4,000.00	\$4,000.00
5	6 ft Storm Manhole including Excavation and Backfill, Complete In-Place	4	EA	\$10,000.00	\$40,000.00
6	24" Corrugated Polyethylene Culvert Pipe (smooth lined)	35	LF	\$110.00	\$3,850.00
7	36" Corrugated Polyethylene Culvert Pipe (smooth lined)	200	LF	\$150.00	\$30,000.00
8	6" Corrugated Metal Culvert Pipe	240	LF	\$600.00	\$144,000.00
9	Roadway Milling / Profiling / Fine Grading (As Required), Variable Depth (1.5" Average Depth)	810	SY	\$1.50	\$1,215.00
10	1.5" HMA Superpave Wearing Course 9.5mm, 0 to 0.3 Million Design ESALs, PG 64-22, SRL-H	810	SY	\$6.50	\$5,265.00
12	2.5" Average Depth, Superpave HMA Binder (Leveling) Course, 19 mm, 0 to 0.3 million Design ESALs, PG 64-22, Section 409	350	SY	\$18.00	\$6,300.00
13	8" Limestone Subbase including Preparation of Subgrade and Installation of Class IV Fabric, 6" AASHTO No. 1 choked with 2" PennDOT 2A	350	SY	\$15.00	\$5,250.00
14	Stainless Steel Orifice Plate Complete In Place	1	LS	\$4,000.00	\$4,000.00
15	Concrete Pavement Trench Restoration (Borough Roadway)	10	SY	\$150.00	\$1,500.00
16	Erosion and Sedimentation Control	1	LS	\$10,000.00	\$10,000.00
Subtotal					\$276,380.00
25% Contingency, Engineering and Legal					\$69,095.00
Total					\$345,475.00