



November 11, 2020

**Charter Township of Pittsfield
6201 W. Michigan Ave.
Ann Arbor MI 48108**

**Attn: Mr. Craig Lyon
Re: Emergency CIPP Lining – State St. Water Main**

As requested, we submit the following proposal to complete the emergency rehabilitation of the 16" diameter water main along the west side of State St. along the airport property. We propose to utilize Cured in Place Pipe technology designed specifically for potable water applications. The completed project will fully rehabilitate the existing main with a CIPP liner designed to provide a minimum 50 year service life. We plan to create approximate access points on the main at key locations to permit access into the main. These excavations will be shored and opened to permit the insertion of cleaning and inspection equipment as well as the CIPP materials. Upon completion of the liner installation the access points will be reconnected using standard ductile iron pipe and water works parts (provided by the Township), then backfilled and the surface restored.

Our proposal includes:

- Establish single lane closures on the interior lane of west bound State during work activities per WCRC standards
- Perimeter valves will be replaced at the start of the project so as to ensure a positive shut off of water supply
- Establish 5 (approx. 10ft x 10ft) access points on the existing main per MIOSHA standards
- Open pipe within the access points and perform all pipe preparation / inspection required to design and properly install the CIPP liner
- Install the approximately 1,600ft of 16" diameter CIPP liner including pressure testing per EGLE standards
- Reconnection and commissioning of the main
- Backfill of access points created
- Restoration of disturbed areas

We have assumed that:

- Township will acquire of EGLE permit
- Township will obtain traffic permits from WCRC including fees associated with developing traffic plans
- Township will provide all water works materials and gate wells required to reconnect the main within the access points
- No temporary above ground supply will be necessary
- Work will be performed prior to Christmas

Our price to complete the work as described above is per the attached. Price includes all labor, materials and equipment necessary to complete the project within the indicated timeframe. If you have any questions or wish to proceed please contact me directly.

Sincerely,

John Thompson

Business Development Manager

Charter Township of Pittsfield
State Street Water Main Emergency Repair

11/11/20

PRICE PAGE

PART VII	WATER MAIN REHABILITATION AND MAINTENANCE	UNIT	UNIT PRICE	ESTIMATED QUANTITY	ITEM TOTAL
1	Mobilization per job location	LS	\$ 55,000.00	1	\$ 55,000.00
2	Provide temporary water supply per lineal foot of lined water main	LF	\$ -	0	\$ -
3	Reline 16" diameter water main	LF	\$ 345.00	1600	\$ 552,000.00
4	16"gate valves and wells - Twp provided water works materials & well	Each	\$ 16,000.00	2	\$ 32,000.00
5	8"gate valves and wells - Twp provided water works materials & well	Each	\$ 16,000.00	0	\$ -
6	Hydrant assemblies - Twp provided water work materials	Each	\$ 7,000.00	1	\$ 7,000.00
7	Additional access pits due to unforeseen obstructions	Each	\$ 9,000.00	0	\$ -
8	Replace owner supplied curb stops - Twp provided water works materlas	Each	\$ 2,000.00	0	\$ -
9	Structure adjustments - Twp provided water works materials	Each	\$ 7,500.00	0	\$ -
10	Traffic Control per WCRC	LS	\$ 37,500.00	1	\$ 37,500.00

Project Total

\$ 683,500.00