



Memo

TO: Mayor Manier and City Council
FROM: Ed Andrews, Public Works Director
DATE: August 17, 2017
SUBJECT: Hydra-Stop Machine Upgrades

EXECUTIVE SUMMARY:

The Public Works Distribution & Collection Department is seeking upgrading the existing 1988 Hydra-Stop machine to that of an Insert-a-Valve unit. This upgrade would reduce the number of excavations and stop insertions required to make valve insertions in existing, in-service mains.

The recommendation is to selectively upgrade components on a not to exceed amount of **\$14,362** with Hydra-Stop Corporation.



BACKGROUND NARRATIVE:

The City currently owns a 1988 Hydra-Stop machine, which allows the crew to install a temporary balloon stop in the watermain to help make repairs and upgrades. This machine had not been used in frontline service for a number of years due to the failure the air compressor. With the acquisition of new Sul-Air 185cfm compressor last year, we have re-integrated the Hydra-Stop back into the workflow, assisting with a number of fire hydrant replacements.

The replacement of this machine is fully funded under MERF at \$37,930, but was intentionally held back to allow for it to be evaluated before replacement. The manufacturer now makes a similar machine called Insert-a-Valve which allows for the insertion of permanent valve saving on the cost and time to use two balloon stops and standard valve.

The cost of conversion of all components to this system is \$27,427.54, but staff feels that certain components can be retained lowering the cost to \$14,362 by only upgrading line items 3 thru 7 in the attached itemized proposal.

This matter has been placed on the City Council Consent agenda of Monday, August 21st, 2017 for review and approval.

cc: File

Bill To**City of Washington**115 West Jefferson
Washington, IL 61571**Phone** (309)444-3196**Fax** (309)208-8596**Ship To****City of Washington**115 West Jefferson
Washington, IL 61571**Phone** (309)444-3196**Fax** (309)208-8596

Sales Representative	Created By	Tax Exempt	Terms	Type of Business
Chad Johnson	Dan Spraff	Yes	NET 30	FB - Forecasted Business
Incoterms	Freight	Lead Time	Client Request Date	Industry
Ex-Works	Allowed	3 Weeks ARO		Water

Line	Part Number	Description	Qty	Unit Price	Ext. Price
1	8GATEVALVE08-250	8" Gate Valve - 250 PSI	1	\$5,148.00	\$5,148.00
2		26.97% Discount			-\$1,388.46
✓3	3-480AK-HS-1.25	Insta-Valve Adapter Kit, HS, 4-8"	1	\$9,468.00	\$9,468.00
✓4	8P2HSNGTAP-250	TM8 Cutter Housing, 250 PSI 8" P-2 for 1-1/4"	1	\$1,545.00	\$1,545.00
✓5	8HYDRATAPPER-UPGRADE	HYDRA TAPPER UPGRADE TO 250 PSI	1	\$2,163.00	\$2,163.00
✓6	8TMPNUTASY	TM Packing Nut Assembly 1 1/4"	1	\$711.00	\$711.00
✓7	8TIFDS30IN	TI Feed Screw 30" 1-3/8"-8 for 1-1/4" To	1	\$475.00	\$475.00
8	25480250-CS	IV 250 SUB-ASSY, 4",480-12",CS FLANGE-NO BULLET ASSY	1	\$1,600.00	\$1,600.00
9	8IVBULTLH04-250	IV 250 4" LH BULLET ASSY	1	\$1,114.00	\$1,114.00
10	25690250-CS	IV 250 SUB-ASSY,6",6.90-12",CS FLANGE-NO BULLET ASSY	1	\$1,875.00	\$1,875.00
11	8IVBULTLH06-250	IV 250 6" LH BULLET ASSY	1	\$1,217.00	\$1,217.00
12	25905250-CS	IV 250 SUB-ASSY,8",9.05-16",CS FLANGE-NO BULLET ASSY	1	\$2,125.00	\$2,125.00
13	8IVBULTLH08-250	IV 250 8" LH BULLET ASSY	1	\$1,375.00	\$1,375.00