



**D. ENGINEER'S OPINION OF PROBABLE
CONSTRUCTION COST**



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**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
 FOR
 REUSE WATERLINE EXTENSION INTO HARRIS TOWNSHIP
 CENTRE COUNTY
 JUNE 2017**

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	BID UNIT COST	EXTENSION
GENERAL					
1	MOBILIZATION AND PROJECT MANAGEMENT	1	L.S.	\$ 34,000	\$ 34,000
2	CLEARING AND GRUBBING	1	L.S.	\$ 7,500	\$ 7,500
PIPE & APPURTENANCES					
3	12" DIP PIPE	27,600	L.F.	\$ 55	\$ 1,518,000
4	FIRE HYDRANT ASSEMBLY	5	E.A.	\$ 6,150	\$ 30,750
5	12" GATE VALVE ASSEMBLY	20	E.A.	\$ 3,400	\$ 68,000
6	WATERLINE CONNECTION	4	E.A.	\$ 1,500	\$ 6,000
CROSSINGS					
7	STATE HIGHWAY (BORE AND JACK)	1,200	L.F.	\$ 450	\$ 540,000
8	STREAM (BORE AND JACK)	300	L.F.	\$ 450	\$ 135,000
SURFACING					
VEGETATIVE					
9A	(1.01) ROADSIDE, MOWED	20,000	L.F.	\$ 1.00	\$ 20,000
9B	(1.02) LAWNS	2,000	L.F.	\$ 2.00	\$ 4,000
9C	(1.03) OPEN FIELDS, CULTIVATED	2,000	L.F.	\$ 1.00	\$ 2,000
9C	(1.04) WOODS	3,600	L.F.	\$ 1.00	\$ 3,600
SUBTOTAL					\$ 2,368,900
CONTINGENCY @ 10%					\$ 236,890
TOTAL CONSTRUCTION COST					\$ 2,610,000