

SUMMARY OF PROPOSALS TO REHABILITATE 16" WATER MAIN IN COOLIDGE FROM 13 MILE TO 14 MILE

<u>CONTRACTOR</u>	<u>PROPOSAL</u>	<u>COST</u>	<u>EXCAVATIONS</u>	<u>PROJECT DATES</u>	<u>AVERAGE SCORE</u>	<u>RANK</u>
D&D Water & Sewer	Pipe bursting with 16" PE or 16" PVC	\$1.63 million	14 pipe bursting sections, 15 pits	1/17/19 to 3/27/19 3/20/19 to 4/24/19 restoration	70.9	12
DVM Utilities	Pipe bursting with 16" PVC	\$1.59 million	15 pits	4/1/18 to 5/10/18 Schedule incorrect	67.6	14
DVM Utilities	Directional bore with 16" PVC	\$1.66 million	6 pits	4/1/18 to 5/10/18	68.5	13
DVM Utilities	Directional bore with 18" PE	\$1.76 million	6 pits	4/1/18 to 5/10/18	66.5	15
FDM Contracting	Open cut with 16" ductile iron	\$1.48 million	Open cut full length	6/1/18 to 11/17/18	75.3	9
Fer-Pal Construction	Cured In Place Pipe (CIPP) liner, 80 psi design	\$1.53 million	13 pits	3/12/18 to 5/30/18 6/1/18 to 7/31/18 restoration	74.8	10
Fer-Pal Construction	CIPP liner, full structural, 150 psi design	\$1.53 million	13 pits	3/12/18 to 5/30/18 6/1/18 to 7/31/18 restoration	75.5	8
Fer-Pal Construction	CIPP liner, semi-structural	\$1.53 million	13 pits	3/12/18 to 5/30/18 6/1/18 to 7/31/18 restoration	73.5	11
Insituform Technologies	CIPP liner, full structural, 80 psi design	\$1.57 million	11 pits	4/1/18 to 5/18/18	80.5	6
Insituform Technologies	HDPE compression fit sliplining with 16" PE, semi-structural, 80 psi design	\$1.46 million	6 pits	9/1/18 to TBD	85.6	3

Kenny Construction	CIPP liner, full structural, 80 psi design	\$2.42 million	12 pits	4/2 to 5/24 (south half) and 9/4 to 11/3 (north half)	62.8	16
Kenny Construction	CIPP liner, full structural, 150 psi design	\$2.56 million	12 pits	4/2 to 5/24 (south half) and 9/4 to 11/3 (north half)	61.8	18
Kenny Construction	CIPP liner, semi-structural	\$2.30 million	12 pits	4/2 to 5/24 (south half) and 9/4 to 11/3 (north half)	62.5	17
Lanzo Trenchless Technologies	CIPP liner, full structural, 80 psi design	\$1.43 million	10 pits	4/16/18 to 5/29/18 9/4/18 to 11/18/18	81.9	4
Lanzo Trenchless Technologies	CIPP liner, full structural, 150 psi design	\$1.52 million	10 pits	4/16/18 to 5/29/18 9/4/1 to 11/18/18	80.1	7
Lanzo Trenchless Technologies	CIPP liner, semi-structural	\$1.43 million	10 pits	4/16/18 to 11/18/18	81.1	5
Murphy Pipeline	HDPE compression fit sliplining with 16" PE, 80 psi design	\$1.11 million	4 pits	3/19/18 to 5/10/18	94.5	1
Murphy Pipeline	HDPE compression fit sliplining with 16" PE, 150 psi design	\$1.25 million	4 pits	3/19/18 to 5/10/18	94.5	1

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Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
		Pipe Burst w/ Fusible PVC		Directional Bore w/ Fusible PVC		Directional Bore w/ HDPE	
1 Mobilization, Max. 5%	1 LS	\$75,000.00	\$75,000.00	\$80,000.00	\$80,000.00	\$85,000.00	\$85,000.00
2 Color Audio-Video Route Survey	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
3 16-inch Transmission Main Rehabilitation	5385 lft	\$224.25	\$1,207,586.25	\$224.25	\$1,207,586.25	\$230.00	\$1,238,550.00
4 Gate Well, Abandon	2 ea	\$5,500.00	\$11,000.00	\$5,500.00	\$11,000.00	\$5,500.00	\$11,000.00
5 Abandon 6 inch Blow-off Valve & Well	1 ea	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00	\$4,500.00
6 Abandon 16 inch by 12 inch Capped Tee	4 ea	\$2,000.00	\$8,000.00	\$0.00	\$0.00	\$0.00	\$0.00
7 Gate Valve & Well, 16 inch	4 ea	\$22,763.00	\$91,052.00	\$22,763.00	\$91,052.00	\$22,763.00	\$91,052.00
8 Blow-off Valve & Well, 6 inch	2 ea	\$8,633.00	\$17,266.00	\$8,633.00	\$17,266.00	\$8,633.00	\$17,266.00
9 Water Main, Connect to Existing	2 ea	\$8,735.00	\$17,470.00	\$8,735.00	\$17,470.00	\$8,735.00	\$17,470.00
10 Trench Undercut & Backfill, if needed	30 cyd	\$48.00	\$1,440.00	\$48.00	\$1,440.00	\$48.00	\$1,440.00
11 Concrete Pavement Restoration	1 LS	\$37,500.00	\$37,500.00	\$37,500.00	\$37,500.00	\$70,000.00	\$70,000.00
12 Site Restoration	1 LS	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00	\$35,000.00
13 Maintaining Traffic	1 LS	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
14 Soil Erosion and Sedimentation Control	1 LS	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00	\$8,500.00
15 Observation Crew Days	_____ Days	75.00	\$52,500.00	75.00	\$52,500.00	75.00	\$52,500.00
16 Remobiization for Construction in 2 Phases	1 LS	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
Additional Items	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1 Abandon 16" Cast pipe with Flowable Fill	5385 lft	\$0.00	\$0.00	\$15.00	\$80,775.00	\$15.00	\$80,775.00
2 Concrete Thrust Restraint	6 Ea	\$0.00	\$0.00	\$0.00	\$0.00	\$4,500.00	\$27,000.00
TOTAL AMOUNT OF BID			<u>\$1,586,814.25</u>		<u>\$1,664,589.25</u>		<u>\$1,760,053.00</u>

* Corrected By Engineer

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Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
		Option No. 1		Option No. 2		Option No. 3	
1 Mobilization, Max. 5%	1 LS	\$115,000.00	\$115,000.00	\$115,000.00	\$115,000.00	\$115,000.00	\$115,000.00
2 Color Audio-Video Route Survey	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
3 16-inch Transmission Main Rehabilitation	5385 lft	\$355.00	\$1,911,675.00	\$380.00	\$2,046,300.00	\$337.50	\$1,817,437.50
4 Gate Well, Abandon	2 ea	\$20,000.00	\$40,000.00	\$20,000.00	\$40,000.00	\$20,000.00	\$40,000.00
5 Abandon 6 inch Blow-off Valve & Well	1 ea	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00	\$14,000.00
6 Abandon 16 inch by 12 inch Capped Tee	4 ea	\$2,000.00	\$8,000.00	\$2,000.00	\$8,000.00	\$2,000.00	\$8,000.00
7 Gate Valve & Well, 16 inch	4 ea	\$23,500.00	\$94,000.00	\$23,500.00	\$94,000.00	\$23,500.00	\$94,000.00
8 Blow-off Valve & Well, 6 inch	2 ea	\$13,000.00	\$26,000.00	\$13,000.00	\$26,000.00	\$13,000.00	\$26,000.00
9 Water Main, Connect to Existing	2 ea	\$12,500.00	\$25,000.00	\$12,500.00	\$25,000.00	\$12,500.00	\$25,000.00
10 Trench Undercut & Backfill, if needed	30 cyd	\$50.00	\$1,500.00	\$50.00	\$1,500.00	\$50.00	\$1,500.00
11 Concrete Pavement Restoration	1 LS	\$57,500.00	\$57,500.00	\$57,500.00	\$57,500.00	\$57,500.00	\$57,500.00
12 Site Restoration	1 LS	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
13 Maintaining Traffic	1 LS	\$18,500.00	\$18,500.00	\$18,500.00	\$18,500.00	\$18,500.00	\$18,500.00
14 Soil Erosion and Sedimentation Control	1 LS	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
15 Observation Crew Days	_____ Days	120.00	\$84,000.00	120.00	\$84,000.00	120.00	\$84,000.00
16 Remobiization for Construction in 2 Phases	1 LS	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
Additional Items	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1 Abandon 16" Cast pipe with Flowable Fill	5385 lft	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2 Concrete Thrust Restraint	6 Ea	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL AMOUNT OF BID			<u>\$2,424,175.00</u>		<u>\$2,558,800.00</u>		<u>\$2,329,937.50</u>

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Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
Option No. 1				Option No. 2		Option No. 1	
1 Mobilization, Max. 5%	1 LS	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$52,193.70	\$52,193.70
2 Color Audio-Video Route Survey	1 LS	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$4,467.70	\$4,467.70
3 16-inch Transmission Main Rehabilitation	5385 lft	\$145.00	\$780,825.00	\$170.00	\$915,450.00	\$231.70	\$1,247,704.50
4 Gate Well, Abandon	2 ea	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$8,376.90	\$16,753.80
5 Abandon 6 inch Blow-off Valve & Well	1 ea	\$500.00	\$500.00	\$500.00	\$500.00	\$2,792.30	\$2,792.30
6 Abandon 16 inch by 12 inch Capped Tee	4 ea	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$1,600.00	\$6,400.00
7 Gate Valve & Well, 16 inch	4 ea	\$25,000.00	\$100,000.00	\$25,000.00	\$100,000.00	\$21,221.40	\$84,885.60
8 Blow-off Valve & Well, 6 inch	2 ea	\$15,000.00	\$30,000.00	\$15,000.00	\$30,000.00	\$10,052.20	\$20,104.40
9 Water Main, Connect to Existing	2 ea	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00	\$7,259.90	\$14,519.80
10 Trench Undercut & Backfill, if needed	30 cyd	\$500.00	\$15,000.00	\$500.00	\$15,000.00	\$72.60	\$2,178.00
11 Concrete Pavement Restoration	1 LS	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$42,442.70	\$42,442.70
12 Site Restoration	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$13,403.00	\$13,403.00
13 Maintaining Traffic	1 LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$18,940.00	\$18,940.00
14 Soil Erosion and Sedimentation Control	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$2,792.30	\$2,792.30
15 Observation Crew Days	_____ Days	90.00	\$63,000.00	90.00	\$63,000.00	60.00	\$42,000.00
16 Remobilization for Construction in 2 Phases	1 LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$0.00	\$0.00
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Additional Items	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
1 Abandon 16" Cast pipe with Flowable Fill	5385 lft	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2 Concrete Thrust Restraint	6 Ea	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL AMOUNT OF BID			<u>\$1,114,325.00</u>			<u>\$1,248,950.00</u>	<u>\$1,571,577.80</u>

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Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost
Option No. 3				Open Cut 16-inch Ductile Iron		Pipe Bursting with HDPE	
1 Mobilization, Max. 5%	1 LS	\$16,753.70	\$16,753.70	\$60,000.00	\$60,000.00	\$68,000.00	\$68,000.00
2 Color Audio-Video Route Survey	1 LS	\$4,467.70	\$4,467.70	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00
3 16-inch Transmission Main Rehabilitation	5385 lft	\$223.00	\$1,200,855.00	\$191.50	\$1,031,227.50	\$240.00	\$1,292,400.00
4 Gate Well, Abandon	2 ea	\$2,792.30	\$5,584.60	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00
5 Abandon 6 inch Blow-off Valve & Well	1 ea	\$2,792.30	\$2,792.30	\$1,000.00	\$1,000.00	\$500.00	\$500.00
6 Abandon 16 inch by 12 inch Capped Tee	4 ea	\$1,787.10	\$7,148.40	\$2,000.00	\$8,000.00	\$500.00	\$2,000.00
7 Gate Valve & Well, 16 inch	4 ea	\$24,572.10	\$98,288.40	\$16,500.00	\$66,000.00	\$19,000.00	\$76,000.00
8 Blow-off Valve & Well, 6 inch	2 ea	\$10,052.20	\$20,104.40	\$6,500.00	\$13,000.00	\$10,000.00	\$20,000.00
9 Water Main, Connect to Existing	2 ea	\$7,259.90	\$14,519.80	\$15,000.00	\$30,000.00	\$15,000.00	\$30,000.00
10 Trench Undercut & Backfill, if needed	30 cyd	\$72.60	\$2,178.00	\$50.00	\$1,500.00	\$150.00	\$4,500.00
11 Concrete Pavement Restoration	1 LS	\$13,403.00	\$13,403.00	\$120,000.00	\$120,000.00	\$30,000.00	\$30,000.00
12 Site Restoration	1 LS	\$13,403.00	\$13,403.00	\$62,000.00	\$62,000.00	\$30,000.00	\$30,000.00
13 Maintaining Traffic	1 LS	\$16,753.70	\$16,753.70	\$13,000.00	\$13,000.00	\$10,000.00	\$10,000.00
14 Soil Erosion and Sedimentation Control	1 LS	\$2,792.30	\$2,792.30	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
15 Observation Crew Days	_____ Days	60.00	\$42,000.00	90.00	\$63,000.00	85.00	\$59,500.00
16 Remobiization for Construction in 2 Phases	1 LS	\$0.00	\$0.00	\$25,000.00	\$25,000.00	\$0.00	\$0.00
Additional Items							
1 Abandon 16" Cast pipe with Flowable Fill	5385 lft	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
2 Concrete Thrust Restraint	6 Ea	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL AMOUNT OF BID			<u>\$1,461,044.30</u>			<u>\$1,478,227.50</u>	<u>\$1,631,400.00</u>

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BID TABULATION
 16 INCH TRANSMISSION MAIN REHABILITATION COOLIDGE HIGHWAY
 SOUTHEASTERN OAKLAND COUNTY WATER AUTHORITY
 OAKLAND COUNTY, MICHIGAN

Bids Due: 2/15/2018
 HRC Job No. 20150365

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Item	Quantity	Unit Price	Total Cost	Unit Price	Total Cost	Unit Price	Total Cost	
			Option No. 1			Option No. 2		
1 Mobilization, Max. 5%	1 LS	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	
2 Color Audio-Video Route Survey	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	
3 16-inch Transmission Main Rehabilitation	5385 lft	\$224.00	\$1,206,240.00	\$240.00	\$1,292,400.00	\$224.00	\$1,206,240.00	
4 Gate Well, Abandon	2 ea	\$6,800.00	\$13,600.00	\$6,800.00	\$13,600.00	\$6,800.00	\$13,600.00	
5 Abandon 6 inch Blow-off Valve & Well	1 ea	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	
6 Abandon 16 inch by 12 inch Capped Tee	4 ea	\$4,500.00	\$18,000.00	\$4,500.00	\$18,000.00	\$4,500.00	\$18,000.00	
7 Gate Valve & Well, 16 inch	4 ea	\$6,800.00	\$27,200.00	\$6,800.00	\$27,200.00	\$6,800.00	\$27,200.00	
8 Blow-off Valve & Well, 6 inch	2 ea	\$10,300.00	\$20,600.00	\$10,300.00	\$20,600.00	\$10,300.00	\$20,600.00	
9 Water Main, Connect to Existing	2 ea	\$7,500.00	\$15,000.00	\$7,500.00	\$15,000.00	\$7,500.00	\$15,000.00	
10 Trench Undercut & Backfill, if needed	30 cyd	\$320.00	\$9,600.00	\$320.00	\$9,600.00	\$320.00	\$9,600.00	
11 Concrete Pavement Restoration	1 LS	\$3,400.00	\$3,400.00	\$3,400.00	\$3,400.00	\$3,400.00	\$3,400.00	
12 Site Restoration	1 LS	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	
13 Maintaining Traffic	1 LS	\$14,611.00	\$14,611.00	\$18,953.00	\$18,953.00	\$14,611.00	\$14,611.00	
14 Soil Erosion and Sedimentation Control	1 LS	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	\$6,800.00	
15 Observation Crew Days	_____ Days	15.00	\$10,500.00	15.00	\$10,500.00	15.00	\$10,500.00	
16 Remobiization for Construction in 2 Phases	1 LS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Additional Items								
1 Abandon 16" Cast pipe with Flowable Fill	5385 lft	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
2 Concrete Thrust Restraint	6 Ea	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
TOTAL AMOUNT OF BID			\$1,429,151.00	\$1,519,653.00	\$1,429,151.00			

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