

REMPE-SHARPE

& Associates, Inc.

Principals

J. Bibby P.E. S.E.
D. Watson P.E.

B. Aderman P.E. CFM
B. Bennett P.E.
L. Vo P.E.
J. Whitt P.E.

CONSULTING ENGINEERS

324 West State Street Geneva, Illinois 60134 P.E. Phone: 630/232-0827 – Fax: 630/232-1629

February 15, 2017

Village of North Aurora 25 East State Street North Aurora, IL 60542

Attn: Brian Richter

Re: Smoke Tree Lane Improvements – Phase III

File: NA-565

Dear Mr. Richter,

In accordance with the Advertisement for Bids, the Village of North Aurora opened bids for the Smoke Tree Lane Improvements – Phase III Project on Wednesday, February 15, 2017. Prior to bidding, the project was advertised in the Daily Herald.

The project consists of street reconstruction of Smoke Tree Lane, Phase III. The work to be performed under the contract consists of 410 linear feet of 12" water main construction, 21 lineal feet of storm sewer construction, HMA pavement removal, earth excavation, aggregate base construction, HMA pavement, PCC curb and gutter, and parkway restoration at locations shown on the Plans in the Village of North Aurora.

Eighteen (18) contractors purchased plans and specifications for the project. Bids were submitted by eight (8) contractors. The bids were as follows:

BIDDER	BASE BID
Geneva Construction Company, Aurora, IL Schroeder Asphalt Services, Inc., Marengo, IL Chicagoland Paving Contractors, Inc. Schwartz Excavating, Countryside, IL Landmark Contractors, Huntley, IL Copenhaver Construction, Gilberts, IL Martam Construction, Inc., Elgin, IL	\$365,917.00 \$369,024.35 \$369,900.00 \$389,283.43* \$406,242.85 \$414,913.50* \$438,470.00
A Lamp Concrete Contractors, Inc., Schaumburg, IL Engineer's Estimate	\$458,953.05 \$410,550.50

^{*} DENOTES MATH ERROR

Village of North Aurora
Attn: Brian Richter

Smoke Tree Lane Improvements – Phase III February 15, 2017 Page 2 of 2

The attached Bid Tabulation gives an itemized cost for all of the bids. The low bidder, Geneva Construction Company, of Aurora, IL, bid was \$44,633.50 lower, or 10.9%, lower than the Engineer's Estimate of \$410,550.50.

The Engineer has worked with the Contractor, Geneva Construction Company, on similar projects in the past. The contractor performed the work in accordance with the contract documents and completed the projects on time.

Therefore, Rempe-Sharpe and Associates, Inc. recommends that the Village of North Aurora award the Project, in the amount Three Hundred Sixty-Five Thousand, Nine Hundred Seventeen Dollars and No Cents (\$365,917.00) to Geneva Construction Company of Aurora, Illinois.

Enclosed, please find three (3) copies of the Notice of Award for the Smoke Tree Lane Improvements – Phase III Project. Upon the Village's approval, please sign and date all three (3) copies of the Notice of Award. Send one signed copy to the Contractor, Geneva Construction Company, return one signed copy to Rempe-Sharpe & Associates, Inc., and retain one signed copy for the Village's files. Our office will arrange for a pre-construction meeting with Geneva Construction Company, after the Notice of Award is signed.

If there are any questions, please feel free to contact the undersigned.

Very truly yours,

REMPE-SHARPE AND ASSOCIATES, INC.

BY:

James Bibby, P.E., S.E.

Enclosure

P.C. Steve Bosco, Village of North Aurora Bill Hannah, Village of North Aurora Paul Young, Village of North Aurora Cindy Torraco, Village of North Aurora

NOTICE OF AWARD

		Dated, 2017
TO:	GENEA CONSTRUCTION COMPANY	
ADDRESS:	POST OFFICE BOX 998	
Ŧ.	AURORA, ILLINOIS 60507	
19-	630-892-4357	
PROJECT. SMOK	E TREE LANE IMPROVEMENTS – PHAS	iF III

CONTRACT FOR: The work to be performed under the contract consists of 410 linear feet of 12" water main construction, 21 lineal feet of storm sewer construction, HMA pavement removal, earth excavation, aggregate base construction, HMA pavement, PCC curb and gutter, and parkway restoration at locations shown on the Plans in the Village of North Aurora. The Project for which the Work under the Contract Documents is generally described as follows: Smoke Tree Lane Improvements – Phase III, Village of North Aurora, Kane County, Illinois.

You are notified that your Bid dated <u>February 15, 2017</u> for the above Contract has been considered. You are the apparent successful bidder and have been awarded a contract for <u>Smoke Tree</u> <u>Lane Improvements – Phase III</u>

The Contract Price of your contract is <u>THREE HUNDRED SIXTY-FIVE THOUSAND, NINE HUNDRED SEVENTEEN DOLLARS AND NO CENTS</u> (\$365,917.00).

Four (4) copies of each of the proposed Contract Documents (except Drawings) accompany this Notice of Award. Four (4) sets of the Drawings will be delivered separately or otherwise made available to you immediately.

You must comply with the following conditions precedent within ten days of the date of this Notice of Award.

- 1. You must deliver to the OWNER four (4) fully executed counterparts of the Agreement including all the Contract Documents.
- 2. You must deliver with the executed Agreement the Contract Security (Bonds) as specified in the Instructions to Bidders (paragraph 17), General Conditions (paragraph 5.1) and Supplementary Conditions (paragraph SC-5.1).

3. (List	other conditions precedent).
	NONE
F bid aba	failure to comply with these conditions within the time specified will entitle OWNER to consider your ndoned, to annul this Notice of Award and to declare your bid security forfeited.
V counter	Vithin ten days after you comply with these conditions, OWNER will return to you one fully signed part of the Agreement with the Contract Documents attached.
	VILLAGE OF NORTH AURORA
	By:(AUTHORIZED SIGNATURE)
	Title: VILLAGE PRESIDENT

Copy to ENGINEER

NOTICE OF AWARD

		Dated, 2017
TO:	GENEA CONSTRUCTION COMPANY	
ADDRESS:	POST OFFICE BOX 998	
-	AURORA, ILLINOIS 60507	
	630-892-4357	
PROJECT: SMOR	KE TREE LANE IMPROVEMENTS – PHAS	SE III

CONTRACT FOR: The work to be performed under the contract consists of 410 linear feet of 12" water main construction, 21 lineal feet of storm sewer construction, HMA pavement removal, earth excavation, aggregate base construction, HMA pavement, PCC curb and gutter, and parkway restoration at locations shown on the Plans in the Village of North Aurora. The Project for which the Work under the Contract Documents is generally described as follows: Smoke Tree Lane Improvements – Phase III, Village of North Aurora, Kane County, Illinois.

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3. (List other conditions precedent).
NONE
Failure to comply with these conditions within the time specified will entitle OWNER to consider you bid abandoned, to annul this Notice of Award and to declare your bid security forfeited.
Within ten days after you comply with these conditions, OWNER will return to you one fully signe counterpart of the Agreement with the Contract Documents attached.
VILLAGE OF NORTH AURORA
By:(AUTHORIZED SIGNATURE)
Title: VILLAGE PRESIDENT

Copy to ENGINEER

NOTICE OF AWARD

		Dated	, 2017
TO;	GENEA CONSTRUCTION COMPANY		
ADDRESS:	POST OFFICE BOX 998		
	AURORA, ILLINOIS 60507		
-	630-892-4357		
PROJECT: SM	OKE TREE LANE IMPROVEMENTS – PHAS	SE III	

CONTRACT FOR: The work to be performed under the contract consists of 410 linear feet of 12" water main construction, 21 lineal feet of storm sewer construction, HMA pavement removal, earth excavation, aggregate base construction, HMA pavement, PCC curb and gutter, and parkway restoration at locations shown on the Plans in the Village of North Aurora. The Project for which the Work under the Contract Documents is generally described as follows: Smoke Tree Lane Improvements – Phase III, Village of North Aurora, Kane County, Illinois.

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	VILLAGE OF NORTH AURORA
	By:(AUTHORIZED SIGNATURE)
	Title:VILLAGE PRESIDENT

Copy to ENGINEER

					ONTRACTORS LEY, IL	COPENHAVER CONSTRUCTION GILBERTS, IL		MARTAM CONSTRUCTION ELGIN, IL		ALAMP CONCRETE CONTR SCHAUMBURG, IL	
NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDS
1	MOBILIZATION	1	LS	\$17,900.00	\$17,900.00	\$32,000.00	\$32,000 00	\$35,298 00	\$35,298.00	\$40,000 00	\$40,000 (
2	TRAFFIC CONTROL AND PROTECTION	1	LS	\$4,800.00	\$4,800.00	\$29,000 00	\$29,000 00	\$17,082 00	\$17,082 00	\$20,000 00	\$20,000
3	UNCONTAMINATED SOILS CERTIFICATION	1	LS	\$1,645.00	\$1,645.00	\$8,000.00	\$6,000 00	\$3,830 00	\$3,830 00	\$5,000 00	\$5,000 (
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	400	CY	\$42 00	\$16,800.00	\$20 00	\$8,000 00	\$44.00	\$17,600 00	\$20 00	\$8,000
5	POROUS GRANULAR EMBANKMENT, SUBGRADE	400	CY	\$36 80	\$14,720 00	\$20 00	\$8,000 00	\$53 00	\$21,200 00	\$20.00	\$8,000.0
7	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, 8 OZ TOPSOIL, FURNISH AND PLACE, 8"	2,250	SY	\$1.35	\$3,037.50	\$2.00	\$4,500 00	\$2 00	\$4,500 00	\$2.00	\$4,500
8	SEEDING, CLASS 1, SPECIAL (NUTRIENTS)	1,100	SY	\$0.10	\$110.00	\$5.00	\$5,500 00	\$5 00	\$5,500 00	\$2.00	\$2,200.0
9	EROSION CONTROL BLANKET	1,100	SY	\$5 00 \$2 75	\$5,500 00 \$3,025 00	\$1.00 \$2.00	\$1,100.00	\$3 50	\$3,850.00	\$1.00	\$1,100 (
10	PERIMETER EROSION BARRIER (SILT FENCE)	250	FT	\$6.50	\$1,625.00	\$4 00	\$2,200 00 \$1,000 00	\$3.50 \$9.50	\$3,850.00 \$2,375.00 *	\$1.00	\$1,100 (
11	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20	UNITS	\$40.00	\$800.00	\$100.00	\$2,000 00	\$105.00	\$2,100 00	\$1.00 \$60.00	\$250 00 \$1,200 0
12	EARTH EXCAVATION, SPECIAL	1,012	CY	\$45.25	\$45,793.00	\$31.00	\$31,372 00	\$37.00	\$37,444 00	\$40.00	\$40,480
13	TRENCH BACKFILL (COMPACTED CA-8)	391	CY	\$44.10	\$17,243.10	\$28 00	\$10,948 00	\$40.00	\$15,640.00	\$35.00	\$13,685
14	HMA PAVEMENT REMOVAL, 3"	25	SY	\$15 00	\$375 00	\$17.00	\$425 00	\$91 00	\$2,275 00	\$30.00	\$750.00
15	HMA PAVEMENT REMOVAL, 9"	2,035	SY	\$9 00	\$18,315.00	\$11.00	\$22,385 00	\$12 50	\$25,437.50	\$12.50	\$25,437
16	AGGREGATE BASE COURSE, TYPE B, 4" (SIDEWALKS)	40	SY	\$11.25	\$450 00	\$20 00	\$800 00	\$5 50	\$220 00	\$7 00	\$280.00
18	AGGREGATE BASE COURSE, TYPE B, CA-6, 12" BITUMINOUS MATERIALS (PRIME COAT)	2,070	SY	\$14.95	\$30,948 50	\$12.00	\$24,840 00	\$13 00	\$26,910 00	\$15 00	\$31,050
19	HOT-MIX ASPHALT BINDER COURSE, IL-19 0, N50, 5"	1,035	GL	\$0.01	\$10,35	\$0 10	\$103 50	\$1.50	\$1,552 50	\$0.01	\$10.35
20	HOT-MIX ASPHALT SURFACE COURSE, MIX D. N50, 2"	600 240	TN	\$74 00 \$77 00	\$44,400.00	\$86.00	\$51,600 00	\$74 00	\$44,400 00	\$85.00	\$51,000
21	HOT-MIX ASPHALT CLASS D PATCH, 10"	60	SY	\$17.00	\$18,480 00 \$6,720 00	\$86 00 \$125 00	\$20,640.00 \$7,500.00	\$93 00 \$155 00	\$22,320 00	\$95.00	\$22,800
22	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	380	SF	\$5,95	\$2,261.00	\$8.00	\$3,040 00	\$9 00	\$9,300 00	\$85.00	\$5,100.0
23	COMBINATION CONCRETE CURB AND GUTTER, TYPE 86-12, SPECIAL (REINF.)	910	FT	\$30.25	\$27,527.50	\$25.00	\$22,750 00	\$22.00	\$3,420 00	\$8 00 \$28 00	\$3,040 0 \$25,480 0
24	CORRUGATED MEDIAN, 10" (PCC ISLAND)	820	SF	\$10.65	\$8,733.00	\$10.00	\$8,200 00	\$13.00	\$10,660 00	\$15.00	\$12,300 (
25	COMBINATION CURB AND GUTTER REMOVAL	B10	FT	\$9 15	\$7,411.50	\$8.00	\$4,860.00	\$6.00	\$4,860.00	\$5.00	\$4,050.0
26	STORM SEWER REMOVAL	21	FT	\$20.50	\$430 50	\$20 00	\$420 00	\$18 00	\$378 00	\$1 00	\$21.00
27	CONGRETE REMOVAL (EXISTING ISLAND)	30	SY	\$14.20	\$426 00	\$20 00	\$600.00	\$11.50	\$345 00	\$15.00	\$450.00
28	INLET AND PIPE PROTECTION STORM SEWERS, DIP, CLASS 52, 8"	9	EA	\$145 00	\$1,305 00	\$1 00	\$9 00	\$156 00	\$1,404.00	\$10.00	\$90 00
_	STORM SEWERS RCP, CLASS SZ, 8"	21	FT	\$88.85	\$1,865.85	\$70.00	\$1,470 00	\$93.00	\$1,953 00	\$65.00	\$1,365 0
_	CATCH BASIN TY C, 2' DIA W/TY 11 FRAME AND GRATE	5	LF	\$182.70	\$913.50	\$100 00	\$500 00	\$156 00	\$780 00	\$100 00	\$500 00
32	NEW TYPE 11 FRAME AND GRATE	5	EA EA	\$1,857.00	\$3,714.00	\$1,400.00	\$2,800 00	\$1,715 00	\$3,430 00	\$1,800.00	\$3,600 00
33	INLET TO BE ADJUSTED	6	EA	\$411.00 \$474.00	\$2,055.00	\$650 00	\$3,250 00	\$569 00	\$2,845 00	\$500 00	\$2,500 00
34	MANHOLE TO BE ADJUSTED	1	EA	\$474.00	\$474.00	\$400 00	\$2,400 00 \$400 00	\$316 00 \$473 00	\$1,898 00 \$473 00	\$450.00	\$2,700 00
35	REBUILD EXISTING HANDHOLE	1	EA	\$1,190 00	\$1,190.00	\$2,200.00	\$2,200 00	\$632.00	\$632 00	\$450 00	\$450.00
36	PAVEMENT MARKING REMOVAL	48	SF	\$1 25	\$60.00	\$10 00	\$480.00	\$1 50	\$72 00	\$1.45	\$69.60
37	THERMOPLASTIC PAVEMENT MARKING LINE, 4"	1,060	FT	\$1.50	\$1,590 00	\$3.00	\$3,180 00	\$2 00	\$2,120 00	\$1.75	\$1,855.00
	THERMOPLASTIC PAVEMENT MARKING LINE, 6"	40	FT	\$2 00	\$80.00	\$10.00	\$400.00	\$2 50	\$100.00	\$2 30	\$92.00
_	THERMOPLASTIC PAVEMENT MARKING LINE, 24"	77	FT	\$8 00	\$616 00	\$10.00	\$770 00	\$9.50	\$731 50	\$9 20	\$708.40
40	THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS	126	SF	\$8 00	\$1,008.00	\$25 00	\$3,150 00	\$9.50	\$1,197 00	\$9 20	\$1,159 20
_	TEMPORARY: PAVEMENT MARKING POLYUREA PAVEMENT MARKINGV (ISLAND NOSES)	200	SF	\$2 00	\$400.00	\$10.00	\$2,000 00	\$2 50	\$500.00	\$8 00	\$1,600 00
	DETECTABLE WARNINGS	10	SF	\$8.00	\$3,200 00	\$10.00	\$4,000 00	\$9 50	\$3,800 00	\$9 20	\$3,680 00
_	RELOCATE SIGN PANEL ASSEMBLY	2	SF EA	\$14,25 \$300 00	\$142.50 \$600.00	\$600 00	\$400.00	\$27 00	\$270.00	\$30.00	\$300 00
-	WATERMAIN, DIP, CLASS 52, 6"	15	FT	\$63.25	\$948.75	\$80.00	\$1,200 00	\$350 00 \$108 00	\$700 00 \$1,620 00	\$300 00	\$600.00
46	WATERMAIN, DIP, CLASS 52, 12"	410	FT	\$72.50	\$29,725.00	\$87.00	\$35,670.00	\$78.00	\$1,920 00	\$130.00	\$1,425 00 \$53,300 0
47	POLYETHYLENE ENCASEMENT TUBING	431	FT	\$0.65	\$280 15	\$1.00	\$431 00	\$2.50	\$1,077 50	\$1.00	\$431.00
_	FITTINGS, BODY CASTING WEIGHT	900	LB\$	\$8.95	\$8,255 00	\$4 00	\$3,600 00	\$7 50	\$6,750.00	\$7.00	\$6,300.00
_	REINFORCED P.C. CONCRETE THRUST BLOCKS WITH MEGA-LUG JOINTS	5	EA	\$360.00	\$1,800.00	\$400.00	\$2,000 00	\$720 00	\$3,600 00	\$500.00	\$2,500.00
$\overline{}$	NON-PRESSURE CONNECTION/DISCONNECTION TO EXISTING MAIN, 12"	1	EA	\$6,823 00	\$8,823.00	\$2,500.00	\$2,500.00	\$1,262.00	\$1,262.00	\$3,500 00	\$3,500 00
-	NON-PRESSURE CONNECTION/DISCONNECTION TO EXISTING MAIN, 10"	2	EA	\$3,306.00	\$6,612 00	\$1,700,00	\$3,400 00	\$1,325 00	\$2,650 00	\$2,500 00	\$5,000 00
-	VALVE BOX, 6"	1	EA	\$110,00	\$110.00	\$850 00	\$850 00	\$435 00	\$435 00	\$350,00	\$350 00
\rightarrow	FIRE HYDRANT WITH 6" INLET AND STORTZ 4" ADAPTOR RESILIENT-SEATED GATE VALVE. 6"	1	EA	\$6,823.00	\$6,823.00	\$5,900.00	\$5,900 00	\$4,030 00	\$4,030.00	\$7,500 00	\$7,500 00
\rightarrow	RESILIENT-SEATED GATE VALVE, 6" RESILIENT-SEATED GATE VALVE, 12"	1 1	EA	\$3,306.00	\$3,306 00	\$1,300,00	\$1,300 00	\$887 00	\$887.00	\$1,800 00	\$1,800.00
-	LINE STOP, 10" (AS NEEDED)		EA EA	\$4,574 00 \$7,930 00	\$4,574.00	\$2,750.00	\$2,750 00	\$2,830 00	\$2,830 00	\$4,500 00	\$4,500.00
-	VALVE VAULT WITH FRAME AND LID, TYPE A. 5' DIA	1	EA	\$2,946.00	\$7,930 00 \$2,946 00	\$6,000.00	\$8,000 00	\$8,122.00	\$6,122.00	\$8,500.00	\$8,500 00
\rightarrow	WATER VALVE BOX REMOVAL	1	EA	\$2,940.00	\$2,946.00	\$400 00	\$2,500 00	\$3,115.00 \$316.00	\$3,115 00 \$316 00	\$3,200.00	\$3,200.00
$\overline{}$	DETECTOR LOOP, TYPE 1	160	FT	\$18.40	\$2,944.00	\$22.00	\$3,520 00	\$28.00	\$4,480.00	\$350.00 \$27.50	\$350 00
0	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1 PAIR	80	FT	\$3.60	\$288 00	\$5.00	\$400.00	\$8 50	\$520.00	\$6 05	\$4,400.00
_	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	1	EA	\$2,185 00	\$2,185.00	\$2,600 00	\$2,600 00	\$2,632.00	\$2,632.00	\$2,800 00	\$2,800.00
32	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EA	\$950.00	\$950.00	\$1,500.00	\$1,500 00				
				4000.00	4000 00	\$1,500.00	91,500 00 II	\$1,078 00	\$1,078.00	\$2,000 00	\$2,000 00

3Y: S 2/15/2					ENGINEER'S GENEVA CONSTRUCTION CO ESTIMATE AURORA, IL			1	R ASPHALT LEY, IL	CHICAGOLAND PAVING LAKE ZURICH, IL		SCHWARTZ EXCAVATING COUNTRYSIDE, IL	
NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDED	UNIT PRICE	EXTENDE
1	MOBILIZATION	1	1.0	\$20,000 00	COST	67 000 00	COST		COST		COST		COST
2	TRAFFIC CONTROL AND PROTECTION	1	LS	\$20,000.00	\$20,000.00	\$7,000.00 \$5,800.00	\$7,000 00	\$3,900 00 \$6,800 00	\$3,900 00	\$10,699.65	\$10,899.85	\$15,533 37	\$15,533 3
3	UNCONTAMINATED SOILS CERTIFICATION	1	LS	\$6,000.00	\$8,000 00	\$1,675.00	\$1,675.00	\$3,000 00	\$6,800,00	\$2,900 00	\$2,900 00 \$1,500 00	\$12,488 00	\$12,488 0
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	400	CY	\$30.00	\$12,000,00	\$24 88	\$9,872.00	\$27.00	\$10,800 00	\$24.00	\$9,800.00	\$1,727.25 \$26.41	\$1,727 25 \$10,584.0
5	POROUS GRANULAR EMBANKMENT, SUBGRADE	400	CY	\$30.00	\$12,000,00	\$28 20	\$11,280 00	\$37.00	\$14,800 00	\$30.00	\$12,000 00	\$32 12	\$10,304,0
8	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION, 8 OZ	2,250	SY	\$2 00	\$4,500.00	\$2.55	\$5,737 50	\$1 15	\$2,587 50	\$1.25	\$2,812.50	\$1.48	\$3,330 0
7	TOPSOIL, FURNISH AND PLACE, 6"	1,100	SY	\$8 00	\$6,000 00	\$5,20	\$5,720 00	\$7.50	\$8,250.00	\$0.15	\$165.00	\$9.21	\$10,131.0
8	SEEDING, CLASS 1, SPECIAL (NUTRIENTS)	1,100	SY	\$1 50	\$1,850,00	51 42	\$1,562.00	\$2.55	\$2,805 00	\$5.60	\$6,160.00	\$0.51	\$581.00
9	EROSION CONTROL BLANKET	1,100	SY	\$2 00	\$2,200 00	\$1.72	\$1,892 00	\$2.55	\$2,805.00	\$3.10	\$3,410.00	\$1.71	\$1,881.0
0		250	FT	\$4.00	\$1,000.00	\$3 00	\$750 00	\$3 00	\$750 00	\$4 00	\$1,000 00	\$3 49	\$872.50
2	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20	UNITS	\$25 00	\$500.00	\$35.00	\$700 00	\$52 00	\$1,040.00	\$50 00	\$1,000 00	\$11 00	\$220 00
3		1,012	CY	\$35.00	\$35,420 00	\$43.50	\$44,022 00	\$28 00	\$28,336 00	\$24.00	\$24,288.00	\$23 21	\$23,488
4	HMA PAVEMENT REMOVAL, 3"	391	CY	\$35,00	\$13,885.00	\$41.00	\$16,031 00	\$47 00	\$18,377 00	\$27.25	\$10,654 75	\$40 84	\$15,968
5	HMA PAVEMENT REMOVAL, 9"	25	SY	\$4.00	\$100.00	\$17.00	\$425 00	\$10.00	\$250 00	\$10,00	\$250 00	\$5 25	\$131.25
6	AGGREGATE BASE COURSE, TYPE B, 4" (SIDEWALKS)	2,035	SY	\$9 00 \$8 00	\$18,315 00	\$10.00	\$20,350 00	\$8 50	\$17,297 50	\$6 00	\$12,210 00	\$10.84	\$22,059
7	AGGREGATE BASE COURSE, TYPE B, CA-6, 12"	2,070	SY	\$12.00	\$320 00 \$24,840 00	\$2,85 \$13.70	\$114 00	\$7 00	\$280 00	\$5 00	\$200,00	\$11.36	\$454.40
8		1,035	GL	\$1.00	\$1,035 00	\$4 30	\$28,359 00	\$12 50	\$25,875 00	\$14.00	\$28,980 00	\$16.91	\$35,003,
9	HOT-MIX ASPHALT BINDER COURSE, IL-19 0, N50, 5"	600	TN	\$65.00	\$39,000 00	\$73.00	\$4,450 50 \$43,800 00	\$0.01 \$72.00	\$10.35 \$43,200.00	\$0.01	\$10.35	\$2.84	\$2,939 4
0	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 2"	240	TN	\$70.00	\$16,800.00	\$81.00	\$19,440.00	\$80.00	\$19,200 00	\$80.00	\$48,000 00 \$19,200 00	\$84 06 \$116 66	\$50,436
1	HOT-MIX ASPHALT CLASS D PATCH, 10"	60	SY	\$100.00	\$6,000.00	\$124.00	\$7,440.00	\$85 00	\$19,200.00	\$75.00	\$4,500 00	\$116.66 \$61.90	\$3,714.0
2	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	380	SF	\$8,00	\$3,040.00	\$9.00	\$3,420 00	\$5.30	\$2,014 00	\$7.25	\$2,755.00	\$7.85	\$2,907 0
3	COMBINATION CONCRETE CURB AND GUTTER, TYPE B6 12, SPECIAL (REINF.)	910	FT	\$27.00	\$24,570.00	\$22 00	\$20,020 00	\$19 50	\$17,745.00	\$22 00	\$20,020 00	\$30.38	\$27,627
4	CORRUGATED MEDIAN, 10" (PCC ISLAND)	820	SF	\$14 00	\$11,480.00	\$14 00	\$11,480.00	\$11.35	\$9,307.00	\$14 50	\$11,890.00	\$13.10	\$10,742
5	COMBINATION CURB AND GUTTER REMOVAL	810	FT	\$6.00	\$4,860.00	\$6 25	\$5,062 50	\$5 00	\$4,050 00	\$4 00	\$3,240.00	\$3.71	\$3,005 1
8	STORM SEWER REMOVAL	21	FT	\$15 00	\$315,00	\$6 00	\$126 00	\$21 75	\$456 75	\$10.50	\$220 50	\$22.05	\$463.05
7	CONCRETE REMOVAL (EXISTING ISLAND)	30	SY	\$20 00	\$600.00	\$38 00	\$1,080.00	\$23 00	\$690 00	\$15 00	\$450.00	\$53 50	\$1,605.0
3	INLET AND PIPE PROTECTION	9	EA	\$100.00	\$900 00	\$195 00	\$1,755.00	\$100 00	\$900 00	\$125 00	\$1,125.00	\$137.81	\$1,240 2
)	STORM SEWERS, DIP, CLASS 52, 8"	21	FT	\$60.00	\$1,260 00	\$45.00	\$945 00	\$93 30	\$1,959 30	\$57.50	\$1,207 50	\$81.74	\$1,298.5
)	STORM SEWERS RCP, CLASS IV, 12"	5	LF	\$80.00	\$300,00	\$97.00	\$485 00	\$195 00	\$975.00	\$88.50	\$442 50	\$55 13	\$275 6
2	CATCH BASIN TY C, 2' DIA W/TY 11 FRAME AND GRATE NEW TYPE 11 FRAME AND GRATE	2	EA	\$2,000.00	\$4,000.00	\$1,450.00	\$2,900 00	\$1,955.00	\$3,910 00	\$1,535 00	\$3,070 00	\$1,791.56	\$3,583 1
3	INLET TO BE ADJUSTED	5	EA	\$450 00	\$2,250.00	\$390 00	\$1,950 00	\$433 00	\$2,165 00	\$680 00	\$3,400 00	\$551 25	\$2,756.2
4	MANHOLE TO BE ADJUSTED	6	EA.	\$400.00	\$2,400.00	\$435.00	\$2,610 00	\$500 00	\$3,000 00	\$525 00	\$3,150 00	\$192 94	\$1,157 6
5	REBUILD EXISTING HANDHOLE	1	EA EA	\$400.00	\$400.00	\$565 00	\$565 00	\$500 00	\$500 00	\$525 00	\$525 00	\$275 63	\$275 63
8	PAVEMENT MARKING REMOVAL	48	SF	\$2,200 00 \$10 00	\$2,200 00	\$1,990,00 \$3,00	\$1,990 00 \$144 00	\$2,089 50	\$2,089 50	\$3,525 00	\$3,525 00	\$2,089.50	\$2,089.5
7	THERMOPLASTIC PAVEMENT MARKING LINE, 4"	1,060	FT	\$2 00	\$2,120.00	\$1.95	\$2,087.00	\$3 75 \$2 85	\$180.00	\$2 00	\$96 00	\$18.80	\$808.4
8	THERMOPLASTIC PAVEMENT MARKING LINE, 6"	40	FT	\$4.00	\$160.00	\$2.00	\$80.00	\$4 00	\$2,809 00 \$160 00	\$1.70	\$1,802 00	\$3.15	\$3,339.0
9	THERMOPLASTIC PAVEMENT MARKING LINE, 24"	77	FT	\$5 00	\$385 00	\$3.50	\$269 50	\$14.25	\$1,097.25	\$2.25 \$8.90	\$90.00 \$685.30	\$5.25 \$12.60	\$210.00 \$970.20
)	THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS	126	SF	\$8.00	\$1,008.00	\$3.50	\$441.00	\$14.25	\$1,795 50	\$8.90	\$1,121.40	\$12.60	\$1,587 6
1	TEMPORARY PAVEMENT MARKING	200	SF	\$1.00	\$200 00	\$2.57	\$514.00	\$2.00	\$400.00	\$1.00	\$200 00	\$10.50	\$2,100 0
2	POLYUREA PAVEMENT MARKINGV (ISLAND NOSES)	400	SF	\$8.00	\$3,200 00	\$3.00	\$1,200 00	\$18.90	\$7,560.00	\$8.90	\$3,560 00	\$15.75	\$8,300 0
3	DETECTABLE WARNINGS	10	SF	\$45.00	\$450.00	\$24.00	\$240.00	\$26 00	\$260.00	\$38.00	\$380.00	\$37 17	\$371.70
4	RELOCATE SIGN PANEL ASSEMBLY	2	EA	\$500 00	\$1,000.00	\$225 00	\$450 00	\$200 00	\$400.00	\$100.00	\$200 00	\$168.00	\$336.00
	WATERMAIN, DIP, CLASS 52, 6"	15	FT	\$100.00	\$1,500.00	\$59.00	\$885.00	\$66 50	\$997 50	\$47.00	\$705.00	\$41.44	\$621.60
	WATERMAIN, DIP, CLASS 52, 12"	410	FT	\$90,00	\$36,900 00	\$80.00	\$32,800 00	\$76 00	\$31,160.00	\$127.00	\$52,070.00	\$85.48	\$26,846
	POLYETHYLENE ENCASEMENT TUBING	431	FT	\$2 50	\$1,077.50	\$1.00	\$431 00	\$0.70	\$301 70	\$1.05	\$452.55	\$1 10	\$474.10
	FITTINGS, BODY CASTING WEIGHT	900	LBS	\$8 00	\$7,200.00	\$5.00	\$4,500 00	\$7.50	\$6,750 00	\$4.20	\$3,780.00	\$7 12	\$6,408.0
9	REINFORCED P.C. CONCRETE THRUST BLOCKS WITH MEGA-LUG JOINTS	5	EA	\$450 00	\$2,250 00	\$100.00	\$500 00	\$380 00	\$1,900 00	\$105.00	\$525 00	\$132.30	\$861.50
)	NON-PRESSURE CONNECTION/DISCONNECTION TO EXISTING MAIN, 12"	1	EA	\$6,800.00	\$6,800.00	\$500.00	\$500 00	\$7,145.00	\$7,145 00	\$5,725 00	\$5,725.00	\$1,469 83	\$1,469 6
-	NON-PRESSURE CONNECTION/DISCONNECTION TO EXISTING MAIN, 10" VALVE BOX. 6"	2	EA	\$6,800.00	\$13,600 00	\$2,300,00	\$4,600 00	\$3,470.00	\$6,940 00	\$4,630.00	\$9,260 00	\$1,381 43	\$2,762.8
	FIRE HYDRANT WITH 6" INLET AND STORTZ 4" ADAPTOR	1	EA	\$400.00	\$400.00	\$250.00	\$250 00	\$118 00	\$118.00	\$365,00	\$365 00	\$220 50	\$220.50
,	RESILIENT-SEATED GATE VALVE, 6"	1	EA EA	\$8,000.00	\$6,000 00	\$3,420,00	\$3,420.00	\$7,145 00	\$7,145 00	\$7,230 00	\$7,230 00	\$2,590 88	\$2,590 8
5	RESILIENT-SEATED GATE VALVE, 12"	1	EA	\$3,000.00	\$3,000 00	\$1,200,00	\$1,200 00	\$3,470.00	\$3,470 00	\$1,615 00	\$1,615 00	\$1,102 50	\$1,102 5
3	LINE STOP, 10" (AS NEEDED)	1	EA	\$6,000.00	\$6,000 00	\$2,900 00 \$9,500 00	\$2,900.00	\$4,825.00	\$4,825 00	\$3,700 00	\$3,700 00	\$1,984.50	\$1,984 5
	VALVE VAULT WITH FRAME AND LID, TYPE A, 5' DIA	1	EA	\$3,000 00	\$3,000 00	\$1,750.00	\$9,500 00 \$1,750 00	\$8,390 00 \$3,100 00	\$8,390 00	\$5,725.00	\$5,725.00	\$7,166.25	\$7,166 2
	WATER VALVE BOX REMOVAL	1	EA	\$200 00	\$200.00	\$1,750.00	\$1,750.00	\$3,100 00	\$3,100 00 \$210 15	\$2,450 00 \$160.00	\$2,450 00	\$2,866 50	\$2,866.5
	DETECTOR LOOP, TYPE 1	160	FT	\$18,00	\$2,880.00	\$18.40	\$2,944.00	\$19 32	\$3,091.20	\$160,00	\$160 00 \$5,200 00	\$27.56	\$27 56
	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1 PAIR	80	FT	\$15,00	\$1,200.00	\$3.60	\$288.00	\$3.78	\$302.40	\$32.50	\$312.00	\$19 32 \$3 78	\$3,091.2
	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	1	EA	\$3,000.00	\$3,000.00	\$2,185.00	\$2,185.00	\$2,294.25	\$2,294 25	\$3,780.00	\$3,760.00	\$2,294 25	\$2,294.2
	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EA	\$2,000.00	\$2,000 00	\$950.00	\$950 00	\$997.50	\$997 50	\$4,170.00	\$4,170.00	\$997.50	\$997 50
		Т	OTAL	\$410.5	550.50	\$365,9		\$369,0		\$369,9		\$389,2	
	• DENOTES MATH ERROR										***************************************		
			î	LANDMARK CO	ONTRACTORS	COPENHAVER C	ONSTRUCTION	MARTAM CON	ISTRUCTION	ALAMP CONC	RETE CONTP		
				HUNTL		GILBER		ELGI		SCHAUMI	- 1		
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