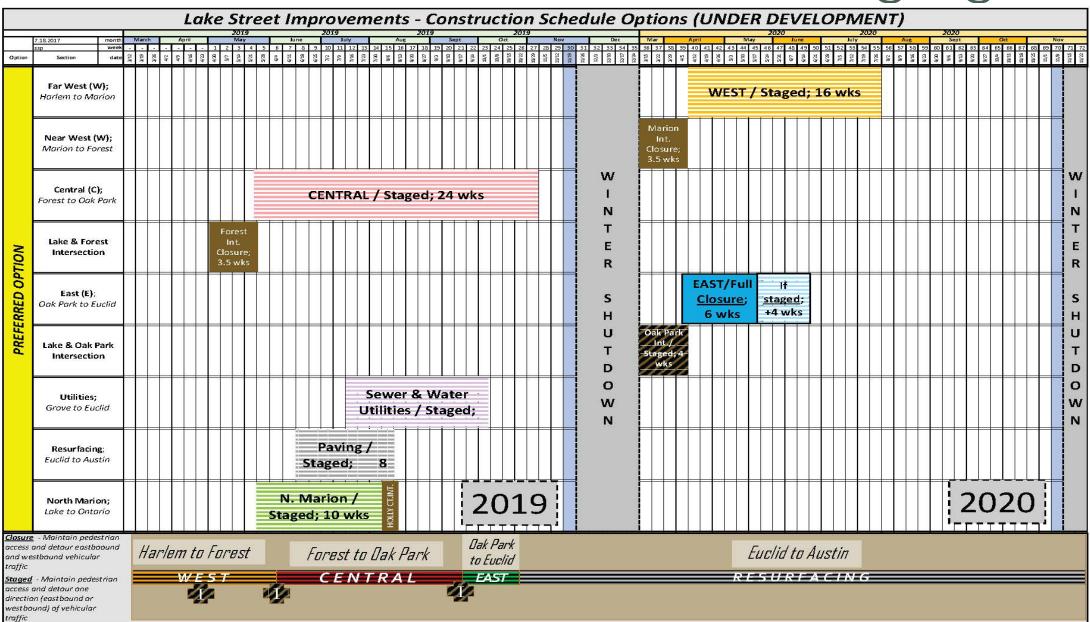


Cost & Schedule

Project	Cost	Anticipated Construction Schedule
Sewer/Water Utilities	\$1.3M (VOP)	Spring 2019
Pavement Resurfacing	\$1.4M (VOP)	Summer 2019
Streetscape & Roadway	<u>\$16.1M</u> \$13.1M (VOP) \$3M (Fed)	Late Spring 2019 to Summer 2020
TOTAL	<u>\$18.8M</u> \$15.8 (VOP) \$3M (Fed)	Spring 2019 to Late Fall 2020

Schedule and Construction Staging



Proposed Project



DOCUMENT: ENGINEER'S ESTIMATE OF PROBABLE COST

VILLAGE OF OAK PARK, ILLINOIS AGENCY:

PROJECT: LAKE STREET STREETSCAPE ENHANCEMENT PROJECT (PAVEMENT RECONSTRUCTION ALT #2 = COMPOSITE)

HARLEM AVENUE TO EUCLID AVENUE LIMITS:

DATE: 11/21/2017

ITEM IUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
	DOADWAY COOTS				
1	ROADWAY COSTS PAVEMENT REMOVAL	SQ YD	13,990	\$18.00	\$251,820
2	HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2,420	\$8.00	\$19,360
3	DRIVEWAY PAVEMENT REMOVAL	SQ YD	210	\$20.00	\$4.200
4	COMBINATION CURB AND GUTTER REMOVAL	FOOT	8.050	\$5.00	\$40,250
5	SIDEWALK REMOVAL	SQ FT	60.150	\$2.00	\$120.300
6	BRICK SIDEWALK REMOVAL	SQ FT	21,960	\$2.00	\$43,920
7	EARTH EXCAVATION	CU YD	2,000	\$50.00	\$100.000
8	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3.300	\$50.00 \$50.00	\$165,000
9	SUBBASE GRANULAR MATERIAL TYPE B, 4"	SQ YD	10.125	\$10.00	\$103,000
10	AGGREGATE SUBGRADE IMPROVEMENT. 12"	SQ YD	28.000	\$10.00 \$15.00	\$420.000
11	PCC SIDEWALK, 5"	SQ FT	26,000	\$6.00	\$156,000
12	PCC SIDEWALK, 5 PCC SIDEWALK, 8" (includes concrete over pour of curb and gutter)	SQ FT	6,000	\$8.00	\$48,000
13	DETECTABLE WARNINGS	SQ FT	770	\$45.00	\$34.650
14	BLUESTONE SIDEWALK PAVERS	SQ FT	60,200	\$35.00	\$2,107,000
15	INTERSECTION RED CLAY BRICK PAVERS	SQ FT	30.300	\$30.00	\$909.000
16	BLUE CROSSWALK CONCRETE, 13" DEPTH	SQ FT	6,150	\$40.00	\$246,000
17	WHITE CROSSWALK CONCRETE, 13" DEPTH	SQ FT	2,350	\$40.00	\$246,000
18	COMBINATION CONC C&G. TYPE B-6.12	FOOT	3,550	\$25.00	\$88.750
19	DECORATIVE COMBINATION CONC C&G TYPE B-6.12	FOOT	4,525	\$25.00 \$50.00	\$226,250
20	PCC BASE COURSE, 5"	SQ YD	6,800	\$25.00	
21	PCC BASE COURSE, 5	SQ YD	12.600	\$25.00 \$50.00	\$170,000
			,	*	\$630,000
22	POLYMERIZED LEVELING BINDER (MACHINE METHOD)	TON	500	\$100.00	\$50,000
23	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,550	\$80.00	\$124,000
24	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,650	\$75.00	\$123,750
25	PCC DRIVEWAY PAVEMENT, 8"	SQ YD	280	\$80.00	\$22,400
26	GEOTECHNICAL FABRIC	SQ YD	28,000	\$2.00	\$56,000
27	PROTECTIVE COAT	SQ YD	5,300	\$1.50	\$7,950
28	CONSTRUCTION LAYOUT	L SUM	1	\$200,000.00	\$200,000
29	ENGINEER'S FIELD OFFICE	CAL MO	24	\$1,500.00	\$36,000
30	CHANGEABLE MESSAGE SIGN	CAL MO	72	\$600.00	\$43,200
31	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	710	\$6.00	\$4,260
32	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13,270	\$1.50	\$19,905
33	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,450	\$3.00	\$7,350
34	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	410	\$5.00	\$2,050
35	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	500	\$10.00	\$5,000
36	SIGN PANEL - TYPE 1	SQ FT	1,500	\$25.00	\$37,500
37	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	175	\$75.00	\$13,125
38	TELESCOPING STEEL SIGN SUPPORT	FOOT	2,200	\$12.00	\$26,400
39	EROSION CONTROL	L SUM	1	\$100,000.00	\$100,000
40	DRAINAGE	L SUM	1	\$400,000.00	\$400,000
41	UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER)	L SUM	1	\$250,000.00	\$250,000
42	LANDSCAPING	L SUM	1	\$1,394,930.00	\$1,394,930
43	SITE FURNISHINGS	L SUM	1	\$132,700.00	\$132,700
44	SPECIALTY FEATURES	L SUM	1	\$428,000.00	\$428,000
45	LIGHTING - ROADWAY	L SUM	1	\$705,600.00	\$705,600
46	LIGHTING - PEDESTRIAN	L SUM	1	\$919,800.00	\$919,800
47	TRAFFIC SIGNALS	L SUM	1	\$1,300,000.00	\$1,300,000

CONSTRUCTION COSTS (PERCENTAGES OF SUBTOTAL 1)

	CONSTRUCTION COSTS (I ENCENTAGES OF SOBTOTAL I)				
48	MOBILIZATION	5%	-	-	\$620,000.00
49	MAINTENANCE OF TRAFFIC	5%	-	-	\$620,000.00
50	CONTINGENCY	20%	-	-	\$2,478,000.00

SUBTOTAL 2 OF CONSTRUCTION COSTS (ITEMS 48-50) \$3,718,000.00

OTHER COSTS

-	RIGHT OF WAY	ACRE	0.00	\$0.00	\$0.00
-	EASEMENTS	ACRE	0.60	\$0.00	\$0.00
51	UTILITIES BY OTHERS	-	-	-	\$0.00
	S	SUBTOTAL:	3 OF OTHER	COSTS (ITEM 51)	\$0.00

SUBTOTAL 3 OF OTHER COSTS (ITEM 51)

GRAND TOTAL (ITEMS 1-51) \$16,103,670.00

COSTS NOT INCLUDED:

- 1. PHASE I PRELIMINARY ENGINEERING
- 2. PHASE II DESIGN ENGINEERING
- 3. PHASE III CONSTRUCTION ENGINEERING
- 4. LAND ACQUISITION
- 5. ESCALATION

- 6. REMOVAL OF TROLLEY TRACKS
- 7. REMOVAL OF ABANDONED HEATING SYSTEM
- 8. IMPROVEMENTS TO VAULTS
- 9. IMPROVEMENTS TO FIBER OPTIC SYSTEM

DOCUMENT: ENGINEER'S ESTIMATE OF PROBABLE COST

AGENCY: VILLAGE OF OAK PARK, ILLINOIS

PROJECT: LAKE STREET STREETSCAPE ENHANCEMENT PROJECT (PAVEMENT RECONSTRUCTION ALT #1 = FULL DEPTH ASPHALT)

LIMITS: HARLEM AVENUE TO EUCLID AVENUE

DATE: 11/21/2017

ROADWAY COSTS 1	ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
PAVEMENT REMOVAL SQ YD 13,990 \$18,00 \$251,820,00 31,930,00 30,000 30	NOWBER				FRICE	0031
PAVEMENT REMOVAL SQ YD 13,990 \$18,00 \$251,820,00 31,930,00 30,000 30		ROADWAY COSTS				
2 HOT MIX ASPHALT SURFACE REMOVAL	1		SQ YD	13.990	\$18.00	\$251.820.00
4 COMBINATION CURB AND GUTTER REMOVAL SO FT 60,150 \$2,00 \$120,300.00 6 BISICMALK REMOVAL SO FT 21,980 \$2,00 \$120,300.00 6 BISICK SIDEWALK REMOVAL SO FT 21,980 \$2,00 \$43,920.00 7 EARTH EXCAVATION CUYD 2,000 \$50,00 \$100,000.00 7 EARTH EXCAVATION CUYD 3,300 \$50,00 \$100,000.00 7 EARTH EXCAVATION CUYD 3,300 \$50,00 \$100,000.00 7 EARTH EXCAVATION CUYD 3,300 \$50,00 \$150,000.00 9 SUBBASE GRANULAR MATERIAL TYPE 8,4" SQ YD 10,125 \$10,00 \$101,250.00 10 AGGREGATE SUBGRADE IMPROVEMENT, 12" SQ YD 10,125 \$10,00 \$101,250.00 11 PCC SIDEWALK, 8" includes concrete over pour of curb and guitter) SQ FT 26,000 \$6,00 \$150.00 \$42,000.00 11 PCC SIDEWALK, 8" includes concrete over pour of curb and guitter) SQ FT 60,000 \$8,00 \$48,000.00 13 DETECTABLE WARNINGS SQ FT 770 \$450.00 \$34,000.00 13 DETECTABLE WARNINGS SQ FT 770 \$450.00 \$350.00 \$22,107,000.00 15 INTERSECTION RED CLAY BRICK PAVERS SQ FT 60,200 \$35.00 \$22,107,000.00 15 INTERSECTION RED CLAY BRICK PAVERS SQ FT 60,200 \$35.00 \$22,107,000.00 17 WHITE CROSSWALK CONCRETE, 13" DEPTH SQ FT 6,150 \$40.00 \$246,000.00 17 WHITE CROSSWALK CONCRETE, 13" DEPTH SQ FT 6,150 \$40.00 \$246,000.00 17 WHITE CROSSWALK CONCRETE, 13" DEPTH SQ FT 6,150 \$40.00 \$246,000.00 18 COMBINATION CONC C&G TYPE 8-6.12 FOOT 4,525 \$50.00 \$226,000.00 19 DECORATIVE COMBINATION CONC C&G TYPE 8-6.12 FOOT 4,525 \$50.00 \$226,000 19 DECORATIVE COMBINATION CONC C&G TYPE 8-6.12 FOOT 4,525 \$50.00 \$250.00 \$226,000 12 PCC BASE COURSE, 5" SQ YD 6,800 \$250.0	2	HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD		\$8.00	\$19,360.00
5 SIDEWALK REMOVAL SQ FT 60,150 \$2.00 \$120,300.00 6 BBICK SIDEWALK REMOVAL SQ FT \$1,960 \$2.00 \$43,920.00 7 EARTH EXCAVATION CU VD 2,000 \$50.00 \$100,000.00 8 RERMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU VD 2,000 \$50.00 \$116,000.00 9 SUBBASE GRANULAR MATERIAL TYPE B. 4" SQ VD 10,125 \$10.00 \$110.00 \$110.00 \$10.00 \$10.00 \$15.00 \$110.00 \$110.00 \$15.00 \$110.00 \$15.00 \$10.0	3	DRIVEWAY PAVEMENT REMOVAL	SQ YD	210	\$20.00	\$4,200.00
BRICK SIDEWALK PEMOVAL	4	COMBINATION CURB AND GUTTER REMOVAL	FOOT	8,050	\$5.00	\$40,250.00
RARTHE EXCAVATION	5	SIDEWALK REMOVAL	SQ FT	60,150	\$2.00	\$120,300.00
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	6	BRICK SIDEWALK REMOVAL	SQ FT	21,960	\$2.00	\$43,920.00
9 SUBBASE GRANULAR MATERIAL TYPE B, 4" SQ YD 28,000 \$10,125 \$10,00 \$101,250,00 \$10,125 \$10,00 \$101,250,00 \$10,125 \$10,00 \$101,250,00 \$10,125 \$10,00 \$101,250,00 \$101	7	EARTH EXCAVATION	CU YD	2,000	\$50.00	\$100,000.00
10	8	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,300	\$50.00	\$165,000.00
11	9	SUBBASE GRANULAR MATERIAL TYPE B, 4"	SQ YD	10,125	\$10.00	\$101,250.00
PCC SIDEWALK, 8' (Includes concrete over pour of curb and gutter)	10	AGGREGATE SUBGRADE IMPROVEMENT, 12"	SQ YD	28,000	\$15.00	\$420,000.00
PCC SIDEWALK, 8' (Includes concrete over pour of curb and gutter)	11	PCC SIDEWALK, 5"	SQ FT	26,000	\$6.00	\$156,000.00
14 BLUESTONE SIDEWALK PAVERS SQ FT 60,200 \$35,00 \$2,107,000.00 15 INTERSECTION RED CLAY BRICK PAVERS SQ FT 30,300 \$30.00 \$390.000 16 BLUE CROSSWALK CONCRETE, 13" DEPTH SQ FT 6,150 \$40.00 \$246,000.00 17 WHITE CROSSWALK CONCRETE, 13" DEPTH SQ FT 2,350 \$40.00 \$94,000.00 18 COMBINATION CONC C&G, TYPE B-6.12 FOOT 3,550 \$25.00 \$88,750.00 19 DECORATIVE COMBINATION CONC C&G TYPE B-6.12 FOOT 4,525 \$50.00 \$226,250.00 19 DECORATIVE COMBINATION CONC C&G TYPE B-6.12 FOOT 4,525 \$50.00 \$226,250.00 19 DECORATIVE COMBINATION CONC C&G TYPE B-6.12 FOOT 4,525 \$50.00 \$226,250.00 10 PCC BASE COURSE, 5" SQ YD 6,800 \$25.00 \$170,000.00 11 PC BASE COURSE, 9" SQ YD 3,370 \$50.00 \$168,500.00 12 PC BASE COURSE, 9" SQ YD 3,370 \$50.00 \$168,500.00 13 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 TON 500 \$100.00 \$50,000.00 14 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 TON 4,500 \$75.00 \$337,500.00 15 PCC DRIVEWAY PAVEMENT, 8" SQ YD 280 \$80.00 \$22,400.00 16 GEOTECHNICAL FABRIC SQ YD 280 \$80.00 \$22,400.00 17 PROTECTIVE COAT SQ YD 280.00 \$1.50 \$7,950.00 18 SQ YD 18 SQ YD	12	PCC SIDEWALK, 8" (includes concrete over pour of curb and gutter)	SQ FT	6,000	\$8.00	
15 INTERSECTION RED CLAY BRICK PAVERS	13	DETECTABLE WARNINGS	SQ FT	770	\$45.00	\$34,650.00
16 BLUE CROSSWALK CONCRETE, 13" DEPTH	14	BLUESTONE SIDEWALK PAVERS	SQ FT	60,200	\$35.00	\$2,107,000.00
17	15	INTERSECTION RED CLAY BRICK PAVERS	SQ FT	30,300	\$30.00	\$909,000.00
18	16	BLUE CROSSWALK CONCRETE, 13" DEPTH	SQ FT	6,150	\$40.00	\$246,000.00
19 DECORATIVE COMBINATION CONC C&G TYPE B-6.12	17	WHITE CROSSWALK CONCRETE, 13" DEPTH	SQ FT	2,350	\$40.00	\$94,000.00
PCC BASE COURSE, 5" SQ YD 6,800 \$25.00 \$170,000.00	18	COMBINATION CONC C&G, TYPE B-6.12	FOOT	3,550	\$25.00	\$88,750.00
PCC BASE COURSE, 9" SQ YD 3,370 \$50.00 \$168,500.00	19	DECORATIVE COMBINATION CONC C&G TYPE B-6.12	FOOT	4,525	\$50.00	\$226,250.00
22	20	PCC BASE COURSE, 5"	SQ YD	6,800	\$25.00	\$170,000.00
23	21	PCC BASE COURSE, 9"	SQ YD	3,370	\$50.00	\$168,500.00
23	22	POLYMERIZED LEVELING BINDER (MACHINE METHOD)	TON	500	\$100.00	\$50,000.00
24 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70			TON	1.800		. ,
26 GEOTECHNICAL FABRIC SQ YD 28,000 \$2.00 \$56,000.00 27 PROTECTIVE COAT SQ YD 5,300 \$1.50 \$7,950.00 28 CONSTRUCTION LAYOUT L SUM 1 \$200,000.00 \$200,000.00 29 ENGINEER'S FIELD OFFICE CAL MO 24 \$1,500.00 \$36,000.00 30 CHANGEABLE MESSAGE SIGN CAL MO 72 \$600.00 \$43,200.00 31 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS SQ FT 710 \$6.00 \$4,260.00 32 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 13,270 \$1.50 \$19,905.00 34 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 2,450 \$3.00 \$7,350.00 35 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00 36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,550.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$37,550.00 38 <td>24</td> <td>HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70</td> <td>TON</td> <td>4,500</td> <td>\$75.00</td> <td></td>	24	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	4,500	\$75.00	
26 GEOTECHNICAL FABRIC SQ YD 28,000 \$2.00 \$56,000.00 27 PROTECTIVE COAT SQ YD 5,300 \$1.50 \$7,950.00 28 CONSTRUCTION LAYOUT L SUM 1 \$200,000.00 \$200,000.00 29 ENGINEER'S FIELD OFFICE CAL MO 24 \$1,500.00 \$36,000.00 30 CHANGEABLE MESSAGE SIGN CAL MO 72 \$600.00 \$43,200.00 31 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS SQ FT 710 \$6.00 \$4,260.00 32 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 13,270 \$1.50 \$19,905.00 34 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 2,450 \$3.00 \$7,350.00 35 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00 36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,550.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$37,550.00 38 <td>25</td> <td>PCC DRIVEWAY PAVEMENT. 8"</td> <td>SQ YD</td> <td>280</td> <td>\$80.00</td> <td>\$22,400.00</td>	25	PCC DRIVEWAY PAVEMENT. 8"	SQ YD	280	\$80.00	\$22,400.00
27		,				. ,
28 CONSTRUCTION LAYOUT L SUM 1 \$200,000.00 \$200,000.00 29 ENGINEER'S FIELD OFFICE CAL MO 24 \$1,500.00 \$36,000.00 30 CHANGEABLE MESSAGE SIGN CAL MO 72 \$600.00 \$43,200.00 31 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 13,270 \$1.50 \$19,905.00 32 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 2,450 \$3.00 \$7,350.00 33 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 2,450 \$3.00 \$7,350.00 34 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00 35 THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT 500 \$10.00 \$5,000.00 36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,500.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$13,125.00 38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00						
29 ENGINEER'S FIELD OFFICE CAL MO 24 \$1,500.00 \$36,000.00 30 CHANGEABLE MESSAGE SIGN CAL MO 72 \$600.00 \$43,200.00 31 THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS SQ FT 710 \$6.00 \$4,260.00 32 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 13,270 \$1.50 \$19,905.00 33 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 2,450 \$3.00 \$7,350.00 34 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00 35 THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT 500 \$10.00 \$5,000.00 36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,500.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$13,125.00 38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00 39 EROSION CONTROL L SUM 1 \$400,000.00 \$400,000.00 <td></td> <td></td> <td>L SUM</td> <td></td> <td></td> <td>. ,</td>			L SUM			. ,
CHANGEABLE MESSAGE SIGN CAL MO 72 \$600.00 \$43,200.00				24	*/	*,
THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS SQ FT 710 \$6.00 \$4,260.00				72		
32 THERMOPLASTIC PAVEMENT MARKING - LINE 4" FOOT 13,270 \$1.50 \$19,905.00 33 THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT 2,450 \$3.00 \$7,350.00 34 THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00 35 THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT 500 \$10.00 \$5,000.00 36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,500.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$13,125.00 38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00 39 EROSION CONTROL L SUM 1 \$100,000.00 \$100,000.00 40 DRAINAGE L SUM 1 \$400,000.00 \$250,000.00 41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$132,700.00 \$132,700.00 <tr< td=""><td>31</td><td></td><td>SQ FT</td><td>710</td><td></td><td></td></tr<>	31		SQ FT	710		
THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00	32	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13,270	\$1.50	\$19,905.00
THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT 410 \$5.00 \$2,050.00	33		FOOT			. ,
35 THERMOPLASTIC PAVEMENT MARKING - LINE 24" FOOT 500 \$10.00 \$5,000.00 36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,500.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$13,125.00 38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00 39 EROSION CONTROL L SUM 1 \$100,000.00 \$100,000.00 40 DRAINAGE L SUM 1 \$400,000.00 \$400,000.00 41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$12,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00				,	*	
36 SIGN PANEL - TYPE 1 SQ FT 1,500 \$25.00 \$37,500.00 37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$13,125.00 38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00 39 EROSION CONTROL L SUM 1 \$100,000.00 \$100,000.00 40 DRAINAGE L SUM 1 \$400,000.00 \$400,000.00 41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$919,800.00 \$919,800.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	35		FOOT	500	\$10.00	\$5,000.00
37 BASE FOR TELESCOPING STEEL SIGN SUPPORT EACH 175 \$75.00 \$13,125.00 38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00 39 EROSION CONTROL L SUM 1 \$100,000.00 \$100,000.00 40 DRAINAGE L SUM 1 \$400,000.00 \$400,000.00 41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$919,800.00 \$919,800.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00						
38 TELESCOPING STEEL SIGN SUPPORT FOOT 2,200 \$12.00 \$26,400.00 39 EROSION CONTROL L SUM 1 \$100,000.00 \$100,000.00 40 DRAINAGE L SUM 1 \$400,000.00 \$400,000.00 41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$132,700.00 \$132,700.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$2428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	37	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH		\$75.00	
40 DRAINAGE L SUM 1 \$400,000.00 \$400,000.00 41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	38	TELESCOPING STEEL SIGN SUPPORT	FOOT	2,200		
41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	39	EROSION CONTROL	L SUM	1	\$100,000.00	\$100,000.00
41 UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER) L SUM 1 \$250,000.00 \$250,000.00 42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	40	DRAINAGE	L SUM	1	\$400,000.00	\$400,000.00
42 LANDSCAPING L SUM 1 \$1,394,930.00 \$1,394,930.00 43 SITE FURNISHINGS L SUM 1 \$132,700.00 \$132,700.00 44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	41	UTILITY ADJUSTMENTS AND RECONSTRUCTS (SANITARY AND WATER)	L SUM	1		
44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	42	LANDSCAPING	L SUM	1	\$1,394,930.00	\$1,394,930.00
44 SPECIALTY FEATURES L SUM 1 \$428,000.00 \$428,000.00 45 LIGHTING - ROADWAY L SUM 1 \$705,600.00 \$705,600.00 46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	43	SITE FURNISHINGS	L SUM	1	\$132,700.00	\$132,700.00
46 LIGHTING - PEDESTRIAN L SUM 1 \$919,800.00 \$919,800.00	44		L SUM	1		
	45	LIGHTING - ROADWAY	L SUM	1	\$705,600.00	\$705,600.00
	46	LIGHTING - PEDESTRIAN	L SUM	1	\$919,800.00	\$919,800.00
	47	TRAFFIC SIGNALS	L SUM	1	\$1,300,000.00	

SUBTOTAL 1 OF ROADWAY COSTS (ITEMS 1-47) \$12,157,920.00

CONSTRUCTION COSTS (PERCENTAGES OF SUBTOTAL 1)

48	MOBILIZATION	5%	-	-	\$608,000.00
49	MAINTENANCE OF TRAFFIC	5%	-	-	\$608,000.00
50	CONTINGENCY	20%	-	-	\$2,432,000.00

SUBTOTAL 2 OF CONSTRUCTION COSTS (ITEMS 48-50) \$3,648,000.00

OTHER COSTS

-	RIGHT OF WAY	ACRE	0.00	\$0.00	\$0.00
-	EASEMENTS	ACRE	0.60	\$0.00	\$0.00
51	UTILITIES BY OTHERS	-	-	-	\$0.00
	9	LIBTOTAL:	3 OF OTHER	COSTS (ITEM 51)	\$0.00

GRAND TOTAL (ITEMS 1-51) \$15,805,920.00

COSTS NOT INCLUDED:

- 1. PHASE I PRELIMINARY ENGINEERING
- 2. PHASE II DESIGN ENGINEERING
- 3. PHASE III CONSTRUCTION ENGINEERING
- 4. LAND ACQUISITION
- 5. ESCALATION

- 6. REMOVAL OF TROLLEY TRACKS
- 7. REMOVAL OF ABANDONED HEATING SYSTEM
- 8. IMPROVEMENTS TO VAULTS
- 9. IMPROVEMENTS TO FIBER OPTIC SYSTEM

Lake Street Improvements - Resurfacing (Euclid Avenue to Austin Boulevard)

ENGINEER'S ESTIMATE OF PROBABLE COST

ITEM	WORK CLASSIFICATION	Unit	Total Quantity	Unit Price	Total Cost
	Roadway Costs				
1	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	720	\$10.00	\$7,200
2	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,110	\$1.00	\$18,110
3	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	40	\$360.00	\$14,400
4	LEVELING BINDER (MACHINE METHOD), N70	TON	40	\$95.00	\$3,800
5	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	380	\$15.00	\$5,700
6	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3,760	\$102.00	\$383,520
7	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6,400	\$12.00	\$76,800
8	DETECTABLE WARNINGS	SQ FT	680	\$30.00	\$20,400
9	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	26,820	\$4.00	\$107,280
10	COMBINATION CURB AND GUTTER REMOVAL	FOOT	480	\$8.00	\$3,840
11	SIDEWALK REMOVAL	SQ FT	6,400	\$5.00	\$32,000
12	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	2,690	\$130.00	\$349,700
13	FRAMES AND GRATES TO BE ADJUSTED	EACH	3	\$1,000.00	\$3,000
14	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	480	\$30.00	\$14,400
15	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	8	\$1,250.00	\$10,000
16	DETECTOR LOOP REPLACEMENT	FOOT	490	\$20.00	\$9,800
		S	ubtotal Roadway Co	osts (Items 1-16)	\$1,059,950.00
	Construction and Miscellaneous Costs		%		
17	TEMPORARY AND PERMANENT PAVEMENT MARKINGS		2.00%		\$22,000
18	MOBILIZATION		5.00%		\$53,000
19	MAINTENANCE OF TRAFFIC		5.00%		\$53,000
20	CONTINGENCY		20.00%		\$212,000
		Subtot	al Construction Cos	sts (Items 17-20)	\$1,399,950.00
21	RIGHT OF WAY		0	\$0.00	\$0.00
22	EASEMENTS	<u> </u>	0	\$0.00	\$0.00
23	UTILITIES			BY OTHERS	·

Estimated Total Project Costs (Items 1-23) \$1,399,950.0

<u>Lake Street Utilities Improvements;</u> Sewer and Water - Grove to Euclid, Spot Repairs and Lining - Euclid to Ridgeland

PAY ITEM	UNITS	TOTAL	UNIT PRICE	TOTAL COST
TRENCH BACKFILL	CU YD	2130	\$40.25	\$85,739.04
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	320	\$40.00	\$12,780.97
DUCTILE IRON WM 8" ENCASED IN POLY DUCTILE IRON WM 10" ENCASED IN POLY	LIN FT LIN FT	105 35	\$90.00 \$100.00	\$9,450.00 \$3,500.00
DUCTILE IRON WM 12" ENCASED IN POLY	LIN FT	562	\$120.00	\$67,440.00
FIELD LOK GASKETS FOR DI WATER MAIN, 8 TO 12 INCH DIA	EACH	11	\$300.00	\$3,300.00
8"x8" TAP TEE WITH 8" TAP VALVE	EACH	1	\$5,750.00	\$5,750.00
12"x12" TAP TEE WITH 12" TAP VALVE 16"x12" TAP TEE WITH 12" TAP VALVE	EACH EACH	1	\$7,475.00 \$8,050.00	\$7,475.00 \$8,050.00
8" INSERTION GATE VALVE	EACH	1	\$10,000.00	\$10,000.00
10" INSERTION GATE VALVE	EACH	2	\$14,000.00	\$28,000.00
MISCELLANEOUS FITTINGS	POUND	1000	\$1.50	\$1,500.00
FIRE HYDRANT INSTALLATION, TYPE A	EACH	1	\$7,130.00	\$7,130.00
FIRE HYDRANT INSTALLATION, TYPE B WATER SERVICE INSTALLATION, 1"	EACH EACH	1	\$9,775.00 \$1,035.00	\$9,775.00 \$1,035.00
WATER SERVICE INSTALLATION, 1 WATER SERVICE INSTALLATION, 2"	EACH	3	\$1,450.00	\$4,350.00
WATER SERVICE INSTALLATION, 4"	EACH	1	\$5,200.00	\$5,200.00
WATER SERVICE INSTALLATION, 6"	EACH	1	\$5,500.00	\$5,500.00
WATER SERVICE INSTALLATION, 8"	EACH	1	\$5,750.00	\$5,750.00
WATER SERVICE LINE, 1", COPPER WATER SERVICE LINE, 2", COPPER	LIN FT	50 85	\$50.00 \$55.00	\$2,500.00 \$4,675.00
WATER SERVICE LINE, 2", COFFER WATER SERVICE LINE, 4", DUCTILE IRON	LIN FT	50	\$66.00	\$3,300.00
WATER SERVICE LINE, 6", DUCTILE IRON	LIN FT	35	\$82.00	\$2,870.00
WATER SERVICE LINE, 8", DUCTILE IRON	LIN FT	50	\$95.00	\$4,750.00
VALVE BOX	EACH	3	\$450.00	\$1,350.00
VALVE VAULTS, TYPE A, 4 FT DIA, T1FCL VALVE VAULTS, TYPE A, 5 FT DIA, T1FCL	EACH EACH	3	\$4,255.00 \$4,830.00	\$12,765.00 \$14,490.00
CUT AND CAP EXISTING WATER MAIN	EACH	4	\$1,725.00	\$6,900.00
VALVE VAULT TO BE FILLED	EACH	5	\$750.00	\$3,750.00
VALVE BOX TO BE REMOVED	EACH	1	\$300.00	\$300.00
FIRE HYDRANTS TO BE REMOVED	EACH	2	\$805.00	\$1,610.00
SEWER LATERAL AND RECONNECTION, 6" PVC SDR 26 ASTM D-2241	LIN FT	250	\$67.00	\$16,750.00
SEWER LATERAL AND RECONNECTION, 8" PVC SDR 26 ASTM D-2241 SEWER LATERAL AND RECONNECTION, 10" PVC SDR 26 ASTM D-2241	LIN FT LIN FT	43 85	\$77.00 \$88.00	\$3,311.00 \$7,480.00
STORM SEWERS, 8" PVC SDR 26 ASTM D-2241	LIN FT	150	\$71.30	\$10,695.00
COMBINED SEWERS, 8" PVC SDR 26 ASTM D-2241	LIN FT	45	\$92.00	\$4,140.00
COMBINED SEWERS, 15" PVC SDR 26 ASTM D-2241	LIN FT	103	\$115.00	\$11,845.00
COMBINED SEWERS, 21" PVC SDR 26 ASTM D-2241	LIN FT	385	\$143.75	\$55,343.75
COMBINED SEWERS, 30" PVC CIOD FS-115	LIN FT	486	\$175.00	\$85,050.00
CATCH BASIN, TYPE A, 4 FT DIA, T1FOL CATCH BASIN, TYPE C, 2 FT DIA, T1FOL	EACH EACH	1	\$3,680.00 \$1,955.00	\$3,680.00 \$1,955.00
MANHOLES, TYPE A, 4 FT DIA, T1FCL	EACH	6	\$4,370.00	\$26,220.00
CONNECTION TO EXISTING MANHOLE	EACH	1	\$1,500.00	\$1,500.00
CONNECTION TO EXISTING COMBINED SEWER, SPECIAL	EACH	1	\$8,500.00	\$8,500.00
MANHOLES TO BE REMOVED CATCH BASINS TO BE REMOVED	EACH EACH	6	\$750.00 \$500.00	\$4,500.00 \$500.00
INLETS TO BE REMOVED	EACH	1	\$350.00	\$350.00
CATCH BASINS AND MANHOLES TO BE FILLED	EACH	1	\$1,100.00	\$1,100.00
FRAME AND LID ADJUSTMENT	EACH	2	\$402.50	\$805.00
FRAME AND LID ADJUSTMENT WITH NEW T1 F&L	EACH	2	\$1,250.00	\$2,500.00
AGGREGATE FOR TEMPORARY ACCESS BITUMINOUS MIXTURE FOR MAINTENANCE	SQ YD TON	200 15	\$15.00 \$80.00	\$3,000.00 \$1,200.00
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	\$20,000.00	\$20,000.00
DETECTOR LOOP REPLACEMENT	LN FT	300	\$40.00	\$12,000.00
TEMP PVT MK, WHITE 6" PAINT	LIN FT	300	\$0.50	\$150.00
TEMP PVT MK, WHITE 12" PAINT	LIN FT	400	\$0.75	\$300.00
TEMP PVT MK, WHITE 24" PAINT CHANCEARLE MESSACE SIGN (TWIELVE (42) WEEK DURATION)	LIN FT	200	\$1.00	\$200.00
CHANGEABLE MESSAGE SIGN [TWELVE (12) WEEK DURATION] PROJECT ID SIGN	WEEK	2	\$12,000.00 \$1,250.00	\$24,000.00 \$2,500.00
TRAFFIC CONTROL AND PROTECTION	EACH	1	\$73,605.30	\$73,605.30
CLASS D PATCHES, TYPE IV, 6.5 INCH	SQ YD	1647	\$85.00	\$139,995.00
COMBINED SEWER POINT REPAIR 1	EACH	1	\$4,500.00	\$4,500.00
COMBINED SEWER POINT REPAIR 2	EACH	1	\$4,500.00	\$4,500.00
COMBINED SEWER POINT REPAIR 3 COMBINED SEWER POINT REPAIR 4	EACH EACH	1	\$8,500.00	\$8,500.00 \$8,500.00
PAVEMENT PATCH, CLASS "D"	SQ YD	51	\$75.00	\$3,800.00
CURED-IN-PLACE SEWER LINER, 12"	LIN FT	1250	\$55.00	\$68,750.00
CURED-IN-PLACE SEWER LINER, 15"	LIN FT	70	\$70.00	\$4,900.00
CURED-IN-PLACE SEWER LINER, 20"	LIN FT	450	\$95.00	\$42,750.00
CURED-IN-PLACE SEWER LINER, 22" CURED-IN-PLACE SEWER LINER, 24"	LIN FT	450 660	\$100.00 \$120.00	\$45,000.00 \$79,200.00
COMBINED SEWER TO BE ABANDONED WITH CLSM	CU YD	60	\$120.00	\$79,200.00
PROTRUDING TAP REMOVAL	EACH	23	\$300.00	\$6,900.00
INTERNAL SERVICE LATERAL REINSTATMENT	EACH	67	\$200.00	\$13,400.00
MANHOLES TO BE RECONSTRUCTED WITH SHOTCRETE	EACH	20	\$1,725.00	\$34,500.00
COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACMENT	LIN FT	165	\$40.00	\$6,600.00
		14	\$82.00	\$1,184.44
PCC DRIVEWAY PAVEMENT, 9 INCH	SQ YD			¢¢ 750.00
PCC DRIVEWAY PAVEMENT, 9 INCH PCC SIDEWALK, 5 INCH MAINTENANCE OF ROADWAYS	SQ FT LSUM	900	\$7.50 \$7,500.00	\$6,750.00 \$7,500.00

TOTAL	\$1,276,269.23
5% contingency	\$60,774.73
SUBTOTAL	\$1,215,494.50

Cost Savings Opportunities









Cost Savings Opportunities Diagram



Materials Savings Overview

Material Selections Preferred Design Direction	VS	Material Selections Traditional Street Design
Bluestone Sidewalk	Difference	Concrete Sidewalk
\$2,864,400	\$2,382,600	\$481,800
Brick Paved Intersection	-	Composite Pavement Intersections
\$427,500	\$348,330	\$79,170
Decorative Concrete Curb & Gutter	-	Concrete Curb & Gutter
\$242,500	\$121,250	\$121,250

Reduced limits of Bluestone Sidewalk | \$1,850,000

\$2 Million N. Marion Street

Cost Savings to remove from scope

Forest Avenue Specialty Feature

Specialty Feature Preferred Design Direction	VS	Art Installation Feature Potential Alternative
Water Feature, Signage, & Lighting \$289,000	Difference \$200,000	Signage & Lighting \$89,000 Potential Art Installation \$TBD