

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project Number: 13-0605
 Date: January 8, 2015

Village of Wilmette, Proposed Storm Sewer Improvements
 ALTERNATIVE 1 - New Trunk and Lateral Storm Sewer Relief System

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
TREE ROOT PRUNING	EACH	50	\$145.00	\$7,250.00
TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	50	\$129.00	\$6,450.00
TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	50	\$170.00	\$8,500.00
TREE PROTECTION	EACH	50	\$100.00	\$5,000.00
TOPSOIL FURNISH AND PLACE	SQ YD	13,000	\$7.00	\$91,000.00
SODDING, SPECIAL	SQ YD	13,000	\$11.00	\$143,000.00
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3,000	\$45.00	\$135,000.00
TRENCH BACKFILL, CA-7	CU YD	145,000	\$30.00	\$4,350,000.00
AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3,000	\$54.00	\$162,000.00
AGGREGATE FOR TEMPORARY ACCESS	TON	500	\$22.00	\$11,000.00
BITUMINOUS MATERIALS (PRIME COAT)	GAL	14,000	\$3.00	\$42,000.00
AGGREGATE (PRIME COAT)	TON	300	\$15.00	\$4,500.00
LEVELING BINDER (MACHINE METHOD), N50	TON	4,500	\$88.00	\$396,000.00
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6"	TON	19,500	\$76.00	\$1,482,000.00
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2.5"	TON	8,000	\$89.00	\$712,000.00
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 1.5"	TON	9,000	\$89.00	\$801,000.00
AGGREGATE BASE COURSE, 10"	SQ YD	60,000	\$12.00	\$720,000.00
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,500	\$6.00	\$15,000.00
SIDEWALK REMOVAL	SQ FT	2,500	\$2.00	\$5,000.00
DETECTABLE WARNINGS	SQ FT	1,000	\$43.00	\$43,000.00
PAVEMENT REMOVAL	SQ YD	60,000	\$13.50	\$810,000.00
HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	86,000	\$5.00	\$430,000.00
COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	50,000	\$24.00	\$1,200,000.00
CLASS B PATCH, SPECIAL	SQ YD	1,200	\$90.00	\$108,000.00
CLASS D PATCH, SPECIAL	SQ YD	33,000	\$93.00	\$3,069,000.00
STORM SEWER REMOVAL, 8"	FOOT	50	\$10.00	\$500.00
STORM SEWER REMOVAL, 12"	FOOT	2,600	\$10.00	\$26,000.00
STORM SEWER REMOVAL, 15"	FOOT	1,020	\$10.00	\$10,200.00
STORM SEWER REMOVAL, 21"	FOOT	454	\$10.00	\$4,540.00
STORM SEWER REMOVAL, 24"	FOOT	150	\$10.00	\$1,500.00
STORM SEWER REMOVAL, 27"	FOOT	1,080	\$10.00	\$10,800.00
STORM SEWER REMOVAL, 30"	FOOT	1,370	\$20.00	\$27,400.00
STORM SEWER REMOVAL, 36"	FOOT	665	\$20.00	\$13,300.00
STORM SEWER REMOVAL, 48"	FOOT	604	\$20.00	\$12,080.00
STORM SEWER REMOVAL, 54"	FOOT	533	\$20.00	\$10,660.00
STORM SEWER REMOVAL, 60"	FOOT	137	\$20.00	\$2,740.00
STORM SEWERS, 24" RCP	FOOT	11,620	\$192.00	\$2,231,040.00
STORM SEWERS, 27" RCP	FOOT	1,800	\$205.00	\$369,000.00
STORM SEWERS, 30" RCP	FOOT	400	\$218.00	\$87,200.00
STORM SEWERS, 36" RCP	FOOT	2,785	\$252.00	\$701,820.00
STORM SEWERS, 42" RCP	FOOT	2,475	\$300.00	\$742,500.00
STORM SEWERS, 48" RCP	FOOT	4,460	\$328.00	\$1,462,880.00
STORM SEWERS, 60" RCP	FOOT	2,520	\$414.00	\$1,043,280.00
STORM SEWERS, 66" RCP	FOOT	480	\$468.00	\$224,640.00
STORM SEWERS, 72" RCP	FOOT	2,420	\$650.00	\$1,573,000.00
STORM SEWERS, 84" RCP	FOOT	6,920	\$1,000.00	\$6,920,000.00
STORM SEWERS, 96" RCP	FOOT	1,300	\$1,152.00	\$1,497,600.00
STORM SEWERS, 108" RCP	FOOT	2,650	\$1,500.00	\$3,975,000.00
STORM SEWERS, 108" RCP (AUGURED)	FOOT	350	\$5,500.00	\$1,925,000.00
PRECAST CONCRETE BOX CULVERTS 10' X 7'	FOOT	4,100	\$1,800.00	\$7,380,000.00
PRECAST CONCRETE BOX CULVERTS 10' X 7' (AUGURED)	FOOT	100	\$6,000.00	\$600,000.00
JUNCTION BOX	EACH	4	\$150,000.00	\$600,000.00
MANHOLES, TYPE A, WITH RISER	EACH	30	\$8,000.00	\$240,000.00
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	58	\$3,600.00	\$208,800.00
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	24	\$5,200.00	\$124,800.00
MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	\$7,300.00	\$65,700.00
MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	19	\$11,000.00	\$209,000.00
MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	17	\$16,500.00	\$280,500.00
MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	\$20,000.00	\$120,000.00
MANHOLES, TYPE A, 10'x10', TYPE 1 FRAME, CLOSED LID	EACH	5	\$48,000.00	\$240,000.00
PUMP STATION UPDATED - 6th PUMP	L. SUM	1	\$750,000.00	\$750,000.00
RELOCATE WATER SERVICE LINE, LONG SIDE	EACH	269	\$3,600.00	\$968,400.00
REMOVE AND REPLACE WATER MAIN	FOOT	12,850	\$240.00	\$3,084,000.00
RELOCATE SANITARY SEWER SERVICE LINE	EACH	219	\$1,900.00	\$416,100.00
REMOVE AND REPLACE SANITARY MAIN	FOOT	11,660	\$150.00	\$1,749,000.00
THERMOPLASTIC PAVEMENT MARKINGS	L. SUM	1	\$25,000.00	\$25,000.00
TRAFFIC CONTROL	L. SUM	1	\$750,000.00	\$750,000.00
CONSTRUCTION LAYOUT	L. SUM	1	\$200,000.00	\$200,000.00

CATEGORY	TOTAL COST
UNDERGROUND	\$37,987,480.00
PAVING	\$10,107,500.00
WM RELOCATION	\$4,196,400.00
SANITARY RELOCATION	\$2,309,100.00
MISCELLANEOUS	\$1,040,200.00
TOTAL	\$55,640,680.00

SUBTOTAL = \$55,640,680.00
 CONTINGENCY (20%) = \$11,128,136.00
CONSTRUCTION TOTAL = \$66,768,816.00

DESIGN ENGINEERING (6%) = \$4,006,128.96
 CONSTRUCTION OBSERVATION (6%) = \$4,006,128.96
 PERMITTING = \$250,000.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$75,031,073.92

NOTES:

1. THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY EXISTING UTILITIES.
2. THESE UNIT PRICES ARE BASED ON OUR DESIGN MEMO DATED DECEMBER 5, 2014 AND ARE 2014 CONSTRUCTION COSTS.
3. PAVEMENT THICKNESS REMOVAL WAS ASSUMED TO BE 21".
4. TRENCH BACKFILL IS INCLUDED IN THE COST OF THE WATER MAIN AND SANITARY MAIN REMOVAL AND REPLACEMENT.