

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 TOWER RD RELIEF SEWER STUDY AREA - ALTERNATE 1 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STORM SEWER, RCP 12"	FOOT	200	\$40.00	\$8,000.00
STORM SEWER, RCP 15"	FOOT	200	\$45.00	\$9,000.00
STORM SEWER, RCP 24"	FOOT	250	\$50.00	\$12,500.00
STORM SEWER, RCP 30"	FOOT	1750	\$65.00	\$113,750.00
STORM SEWER, RCP 48"	FOOT	300	\$100.00	\$30,000.00
PROPOSED MANHOLE, 5'DIA	EACH	6	\$8,000.00	\$48,000.00
PROPOSED MANHOLE, 7'DIA	EACH	3	\$8,000.00	\$24,000.00
CLASS D PATCHES, 12 INCH	SQ YD	3600	\$75.00	\$270,000.00
TRENCH BACKFILL, SPECIAL	CY	5400	\$45.00	\$243,000.00
ADJUSTING SANITARY SEWER	FOOT	500	\$100.00	\$50,000.00
ADJUSTING WATERMAIN	FOOT	500	\$100.00	\$50,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
TRAFFIC CONTROL	LSUM	1	\$40,000.00	\$40,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$20,000.00	\$20,000.00

SUB TOTAL = \$945,250.00
 CONTINGENCY (25%) = \$236,312.50
 CONSTRUCTION TOTAL = \$1,181,562.50
 DESIGN ENGINEERING (7.5%) = \$88,617.19
 CONSTRUCTION OBSERVATION (7.5%) = \$88,617.19
 PERMITTING (3.0%) = \$35,446.88

TOTAL PROJECT COST INCLUDING ENGINEERING = \$1,394,243.75

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

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Village of Winnetka, Proposed Drainage Improvements
 TOWER RD RELIEF SEWER STUDY AREA - ALTERNATE 1 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STORM SEWER, RCP 12"	FOOT	400	\$40.00	\$16,000.00
STORM SEWER, RCP 18"	FOOT	250	\$45.00	\$11,250.00
STORM SEWER, RCP 30"	FOOT	1750	\$65.00	\$113,750.00
STORM SEWER, RCP 48"	FOOT	300	\$100.00	\$30,000.00
PROPOSED MANHOLE, 5'DIA	EACH	6	\$8,000.00	\$48,000.00
PROPOSED MANHOLE, 7'DIA	EACH	3	\$8,000.00	\$24,000.00
CLASS D PATCHES, 12 INCH	SQ YD	3600	\$75.00	\$270,000.00
TRENCH BACKFILL, SPECIAL	CY	5400	\$45.00	\$243,000.00
ADJUSTING SANITARY SEWER	FOOT	500	\$100.00	\$50,000.00
ADJUSTING WATERMAIN	FOOT	500	\$100.00	\$50,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
TRAFFIC CONTROL	LSUM	1	\$40,000.00	\$40,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$20,000.00	\$20,000.00

SUB TOTAL = \$943,000.00
 CONTINGENCY (25%) = \$235,750.00
 CONSTRUCTION TOTAL = \$1,178,750.00
 DESIGN ENGINEERING (7.5%) = \$88,406.25
 CONSTRUCTION OBSERVATION (7.5%) = \$88,406.25
 PERMITTING (3.0%) = \$35,362.50

TOTAL PROJECT COST INCLUDING ENGINEERING = \$1,390,925.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISTION, TEMPORARY OR CONSTRUCTION
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Village of Winnetka, Proposed Drainage Improvements
 TOWER RD RELIEF SEWER STUDY AREA - ALTERNATE 1 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STORM SEWER, RCP 12"	FOOT	400	\$40.00	\$16,000.00
STORM SEWER, RCP 18"	FOOT	250	\$45.00	\$11,250.00
STORM SEWER, RCP 24"	FOOT	1750	\$50.00	\$87,500.00
STORM SEWER, RCP 36"	FOOT	600	\$85.00	\$51,000.00
PROPOSED MANHOLE, 5'DIA	EACH	8	\$8,000.00	\$64,000.00
PROPOSED MANHOLE, 7'DIA	EACH	1	\$8,000.00	\$8,000.00
CLASS D PATCHES, 12 INCH	SQ YD	3200	\$75.00	\$240,000.00
TRENCH BACKFILL, SPECIAL	CY	4800	\$45.00	\$216,000.00
ADJUSTING SANITARY SEWER	FOOT	500	\$100.00	\$50,000.00
ADJUSTING WATERMAIN	FOOT	500	\$100.00	\$50,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
TRAFFIC CONTROL	LSUM	1	\$40,000.00	\$40,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$20,000.00	\$20,000.00

SUB TOTAL = \$880,750.00
 CONTINGENCY (25%) = \$220,187.50
 CONSTRUCTION TOTAL = \$1,100,937.50
 DESIGN ENGINEERING (7.5%) = \$82,570.31
 CONSTRUCTION OBSERVATION (7.5%) = \$82,570.31
 PERMITTING (3.0%) = \$33,028.13

TOTAL PROJECT COST INCLUDING ENGINEERING = \$1,299,106.25

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISTION, TEMPORARY OR CONSTRUCTION
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Village of Winnetka, Proposed Drainage Improvements
 LLOYD PARK OUTLET STUDY AREA - ALTERNATE 1 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	300	\$25.00	\$7,500.00
RAISE MAPLE AVENUE, 0.8'	SY	500	\$80.00	\$40,000.00
STORM SEWER, RCP 24"	FOOT	250	\$50.00	\$12,500.00
STORM SEWER, RCP 48"	FOOT	350	\$100.00	\$35,000.00
PROPOSED MANHOLE, 7'DIA	EACH	2	\$8,000.00	\$16,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2000	\$4.00	\$8,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	2000	\$3.00	\$6,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
ENERGY DISSIPATOR	EACH	1	\$50,000.00	\$50,000.00
TIDFLEX	EACH	1	\$8,000.00	\$8,000.00
PLUG STORM SEWER	EACH	1	\$1,000.00	\$1,000.00
TRAFFIC CONTROL	LSUM	1	\$9,690.00	\$9,690.00
CONSTRUCTION LAYOUT	LSUM	1	\$9,690.00	\$9,690.00

SUB TOTAL = \$322,380.00
 CONTINGENCY (25%) = \$80,595.00
 CONSTRUCTION TOTAL = \$402,975.00
 DESIGN ENGINEERING (7.5%) = \$30,223.13
 CONSTRUCTION OBSERVATION (7.5%) = \$30,223.13
 PERMITTING (3.0%) = \$12,089.25

TOTAL PROJECT COST INCLUDING ENGINEERING = \$475,510.50

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISTION, TEMPORARY OR CONSTRUCTION
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Village of Winnetka, Proposed Drainage Improvements
 LLOYD PARK OUTLET STUDY AREA - ALTERNATE 1 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	300	\$25.00	\$7,500.00
RAISE MAPLE AVENUE, 0.8'	SY	500	\$80.00	\$40,000.00
STORM SEWER, RCP 24"	FOOT	250	\$50.00	\$12,500.00
STORM SEWER, RCP 48"	FOOT	350	\$100.00	\$35,000.00
PROPOSED MANHOLE, 7'DIA	EACH	2	\$8,000.00	\$16,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2000	\$4.00	\$8,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	2000	\$3.00	\$6,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
ENERGY DISSIPATOR	EACH	1	\$50,000.00	\$50,000.00
TIDFLEX	EACH	1	\$8,000.00	\$8,000.00
PLUG STORM SEWER	EACH	1	\$1,000.00	\$1,000.00
TRAFFIC CONTROL	LSUM	1	\$9,690.00	\$9,690.00
CONSTRUCTION LAYOUT	LSUM	1	\$9,690.00	\$9,690.00

SUB TOTAL = \$322,380.00
 CONTINGENCY (25%) = \$80,595.00
 CONSTRUCTION TOTAL = \$402,975.00
 DESIGN ENGINEERING (7.5%) = \$30,223.13
 CONSTRUCTION OBSERVATION (7.5%) = \$30,223.13
 PERMITTING (3.0%) = \$12,089.25

TOTAL PROJECT COST INCLUDING ENGINEERING = \$475,510.50

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISTION, TEMPORARY OR CONSTRUCTION
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Village of Winnetka, Proposed Drainage Improvements
 LLOYD PARK OUTLET STUDY AREA - ALTERNATE 1 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	300	\$25.00	\$7,500.00
RAISE MAPLE AVENUE, 0.8'	SY	500	\$80.00	\$40,000.00
STORM SEWER, RCP 24"	FOOT	250	\$50.00	\$12,500.00
STORM SEWER, RCP 48"	FOOT	350	\$100.00	\$35,000.00
PROPOSED MANHOLE, 7'DIA	EACH	2	\$8,000.00	\$16,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
ENERGY DISSIPATOR	EACH	1	\$50,000.00	\$50,000.00
TIDFLEX	EACH	1	\$8,000.00	\$8,000.00
PLUG STORM SEWER	EACH	1	\$1,000.00	\$1,000.00
TRAFFIC CONTROL	LSUM	1	\$9,480.00	\$9,480.00
CONSTRUCTION LAYOUT	LSUM	1	\$9,480.00	\$9,480.00

SUB TOTAL = \$314,960.00
 CONTINGENCY (25%) = \$78,740.00
 CONSTRUCTION TOTAL = \$393,700.00
 DESIGN ENGINEERING (7.5%) = \$29,527.50
 CONSTRUCTION OBSERVATION (7.5%) = \$29,527.50
 PERMITTING (3.0%) = \$11,811.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$464,566.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISTION, TEMPORARY OR CONSTRUCTION
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Village of Winnetka, Proposed Drainage Improvements
 LAKE MICHIGAN OUTLET STUDY AREA (100 Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	5000	\$3.00	\$15,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5000	\$4.00	\$20,000.00
REMOVE STORM SEWER	FOOT	20000	\$10.00	\$200,000.00
REMOVE STORM STRUCTURE	EACH	60	\$500.00	\$30,000.00
STORM SEWER, RCP 24"	FOOT	400	\$50.00	\$20,000.00
STORM SEWER, RCP 36"	FOOT	2600	\$85.00	\$221,000.00
STORM SEWER, RCP 42"	FOOT	800	\$95.00	\$76,000.00
STORM SEWER, RCP 48"	FOOT	400	\$100.00	\$40,000.00
STORM SEWER, RCP 54"	FOOT	800	\$120.00	\$96,000.00
STORM SEWER, RCP 60"	FOOT	3950	\$160.00	\$632,000.00
STORM SEWER, RCP 66"	FOOT	1000	\$180.00	\$180,000.00
STORM SEWER, RCP 72"	FOOT	3850	\$200.00	\$770,000.00
STORM SEWER, RCP 84"	FOOT	5000	\$300.00	\$1,500,000.00
STORM SEWER, RCP 96"	FOOT	6200	\$500.00	\$3,100,000.00
STORM SEWER, RCP 96" TUNNELED INSTALLATION IN ROCK	FOOT	3300	\$8,000.00	\$26,400,000.00
BOX CULVERT, 5'X8'	FOOT	2250	\$500.00	\$1,125,000.00
STORM STRUCTURE, 5' DIA	EACH	10	\$5,000.00	\$50,000.00
STORM STRUCTURE, 7' DIA	EACH	30	\$8,000.00	\$240,000.00
STORM STRUCTURE, 10'DIA	EACH	45	\$15,000.00	\$675,000.00
JUNCTION CHAMBER	EACH	5	\$20,000.00	\$100,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
CLASS D PATCHES, 12 INCH	SQ YD	35333	\$75.00	\$2,649,975.00
TRENCH BACKFILL, SPECIAL	CY	66250	\$45.00	\$2,981,250.00
ENERGY DISSIPATOR	EACH	1	\$50,000.00	\$50,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$1,309,955.00	\$1,309,955.00
CONSTRUCTION LAYOUT	LSUM	1	\$500,000.00	\$500,000.00

SUB TOTAL = \$43,080,180.00
 CONTINGENCY (20%) = \$8,616,036.00
 CONSTRUCTION TOTAL = \$51,696,216.00
 DESIGN ENGINEERING (4.5%) = \$2,326,329.72
 CONSTRUCTION OBSERVATION (4.5%) = \$2,326,329.72
 PERMITTING (1.0%) = \$516,962.16

TOTAL PROJECT COST INCLUDING ENGINEERING = \$56,865,837.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

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Village of Winnetka, Proposed Drainage Improvements
 LAKE MICHIGAN OUTLET STUDY AREA (100 Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	5000	\$3.00	\$15,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5000	\$4.00	\$20,000.00
REMOVE STORM SEWER	FOOT	20000	\$10.00	\$200,000.00
REMOVE STORM STRUCTURE	EACH	60	\$500.00	\$30,000.00
STORM SEWER, RCP 24"	FOOT	400	\$50.00	\$20,000.00
STORM SEWER, RCP 36"	FOOT	2600	\$85.00	\$221,000.00
STORM SEWER, RCP 42"	FOOT	800	\$95.00	\$76,000.00
STORM SEWER, RCP 48"	FOOT	400	\$100.00	\$40,000.00
STORM SEWER, RCP 54"	FOOT	800	\$120.00	\$96,000.00
STORM SEWER, RCP 60"	FOOT	3950	\$160.00	\$632,000.00
STORM SEWER, RCP 66"	FOOT	1000	\$180.00	\$180,000.00
STORM SEWER, RCP 72"	FOOT	3850	\$200.00	\$770,000.00
STORM SEWER, RCP 84"	FOOT	5000	\$300.00	\$1,500,000.00
STORM SEWER, RCP 96"	FOOT	6200	\$500.00	\$3,100,000.00
STORM SEWER, RCP 96" TUNNELED INSTALLATION IN CLAY	FOOT	3300	\$2,500.00	\$8,250,000.00
BOX CULVERT, 5'X8'	FOOT	2250	\$500.00	\$1,125,000.00
STORM STRUCTURE, 5' DIA	EACH	10	\$5,000.00	\$50,000.00
STORM STRUCTURE, 7' DIA	EACH	30	\$8,000.00	\$240,000.00
STORM STRUCTURE, 10'DIA	EACH	45	\$15,000.00	\$675,000.00
JUNCTION CHAMBER	EACH	5	\$20,000.00	\$100,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
CLASS D PATCHES, 12 INCH	SQ YD	35333	\$75.00	\$2,649,975.00
TRENCH BACKFILL, SPECIAL	CY	66250	\$45.00	\$2,981,250.00
ENERGY DISSIPATOR	EACH	1	\$50,000.00	\$50,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$1,000,000.00	\$1,000,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$500,000.00	\$500,000.00

SUB TOTAL = \$24,620,225.00
 CONTINGENCY (20%) = \$4,924,045.00
 CONSTRUCTION TOTAL = \$29,544,270.00
 DESIGN ENGINEERING (4.5%) = \$1,329,492.15
 CONSTRUCTION OBSERVATION (4.5%) = \$1,329,492.15
 PERMITTING (1.0%) = \$295,442.70

TOTAL PROJECT COST INCLUDING ENGINEERING = \$32,498,697.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

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Village of Winnetka, Proposed Drainage Improvements
 SOUTH OF WILLOW RD STUDY AREA (100-Year) UNDERGROUND STORAGE

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
DITCH REGRADING AND LOWERING	FOOT	400	\$50.00	\$20,000.00
SITE CLEARING	ACRE	6	\$15,000.00	\$90,000.00
UNDERGROUND STORAGE - 65 ACRE-FT	LSUM	1	\$10,000,000.00	\$10,000,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	40000	\$3.00	\$120,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 48"	EACH	4	\$4,000.00	\$16,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 72"	EACH	1	\$6,000.00	\$6,000.00
STORM SEWER REMOVAL	FOOT	2000	\$10.00	\$20,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	40000	\$4.00	\$160,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$5,000.00	\$20,000.00
STORM SEWER, RCP 36"	FOOT	1700	\$85.00	\$144,500.00
STORM SEWER, RCP 48"	FOOT	800	\$100.00	\$80,000.00
STORM SEWER, RCP 72"	FOOT	3400	\$200.00	\$680,000.00
STORM STRUCTURE 8'DIA	EACH	10	\$10,000.00	\$100,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
OUTLET CONTROL STRUCTURE	EACH	1	\$10,000.00	\$10,000.00
REMOVAL OF EXISTING MANHOLE	EACH	4	\$1,000.00	\$4,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4500	\$75.00	\$337,500.00
TRENCH BACKFILL, SPECIAL	CY	10000	\$45.00	\$450,000.00
ADJUSTING SANITARY SEWER	FOOT	400	\$60.00	\$24,000.00
ADJUSTING WATERMAIN	FOOT	400	\$60.00	\$24,000.00
PUMP STATION 20 cfs - Relocation	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$300,000.00	\$300,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$150,000.00	\$150,000.00

SUB TOTAL = \$13,101,000.00
 CONTINGENCY (20%) = \$2,620,200.00
 CONSTRUCTION TOTAL = \$15,721,200.00
 DESIGN ENGINEERING (6.0%) = \$943,272.00
 CONSTRUCTION OBSERVATION (5.0%) = \$786,060.00
 PERMITTING (2.0%) = \$314,424.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$17,764,956.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

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Village of Winnetka, Proposed Drainage Improvements
 SOUTH OF WILLOW RD STUDY AREA (100-Year) BASIN STORAGE

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
DITCH REGRADING AND LOWERING	FOOT	400	\$50.00	\$20,000.00
EARTH EXCAVATION	CY	105,000	\$35.00	\$3,675,000.00
SITE CLEARING	ACRE	6	\$15,000.00	\$90,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	50000	\$3.00	\$150,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 48"	EACH	4	\$4,000.00	\$16,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 72"	EACH	1	\$6,000.00	\$6,000.00
STORM SEWER REMOVAL	FOOT	2000	\$10.00	\$20,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	50000	\$4.00	\$200,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$5,000.00	\$20,000.00
STORM SEWER, RCP 36"	FOOT	1700	\$85.00	\$144,500.00
STORM SEWER, RCP 48"	FOOT	800	\$100.00	\$80,000.00
STORM SEWER, RCP 72"	FOOT	3400	\$200.00	\$680,000.00
STORM STRUCTURE 8'DIA	EACH	10	\$10,000.00	\$100,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
OUTLET CONTROL STRUCTURE	EACH	1	\$10,000.00	\$10,000.00
REMOVAL OF EXISTING MANHOLE	EACH	4	\$1,000.00	\$4,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4500	\$75.00	\$337,500.00
TRENCH BACKFILL, SPECIAL	CY	10000	\$45.00	\$450,000.00
ADJUSTING SANITARY SEWER	FOOT	400	\$60.00	\$24,000.00
ADJUSTING WATERMAIN	FOOT	400	\$60.00	\$24,000.00
PUMP STATION 20 cfs - Relocation	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$241,380.00	\$241,380.00
CONSTRUCTION LAYOUT	LSUM	1	\$150,000.00	\$150,000.00

SUB TOTAL = \$6,787,380.00
 CONTINGENCY (20%) = \$1,357,476.00
 CONSTRUCTION TOTAL = \$8,144,856.00
 DESIGN ENGINEERING (7.5%) = \$610,864.20
 CONSTRUCTION OBSERVATION (7.5%) = \$610,864.20
 PERMITTING (3.0%) = \$244,345.68

TOTAL PROJECT COST INCLUDING ENGINEERING = \$9,610,930.08

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 SOUTH OF WILLOW RD STUDY AREA (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
DITCH REGRADING AND LOWERING	FOOT	400	\$50.00	\$20,000.00
SITE CLEARING	ACRE	6	\$15,000.00	\$90,000.00
UNDERGROUND STORAGE - 40 ACRE-FT	LSUM	1	\$6,200,000.00	\$6,200,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	40000	\$3.00	\$120,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 48"	EACH	4	\$4,000.00	\$16,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 72"	EACH	1	\$6,000.00	\$6,000.00
STORM SEWER REMOVAL	FOOT	2000	\$10.00	\$20,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	40000	\$4.00	\$160,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$5,000.00	\$20,000.00
STORM SEWER, RCP 30"	FOOT	1200	\$65.00	\$78,000.00
STORM SEWER, RCP 36"	FOOT	500	\$85.00	\$42,500.00
STORM SEWER, RCP 48"	FOOT	800	\$100.00	\$80,000.00
STORM SEWER, RCP 72"	FOOT	3400	\$200.00	\$680,000.00
STORM STRUCTURE 8'DIA	EACH	10	\$10,000.00	\$100,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
OUTLET CONTROL STRUCTURE	EACH	1	\$10,000.00	\$10,000.00
REMOVAL OF EXISTING MANHOLE	EACH	4	\$1,000.00	\$4,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4500	\$75.00	\$337,500.00
TRENCH BACKFILL, SPECIAL	CY	10000	\$45.00	\$450,000.00
ADJUSTING SANITARY SEWER	FOOT	400	\$60.00	\$24,000.00
ADJUSTING WATERMAIN	FOOT	400	\$60.00	\$24,000.00
PUMP STATION 20 cfs - Relocation	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$300,000.00	\$300,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$150,000.00	\$150,000.00

SUB TOTAL = \$9,277,000.00
 CONTINGENCY (20%) = \$1,855,400.00
 CONSTRUCTION TOTAL = \$11,132,400.00
 DESIGN ENGINEERING (6.0%) = \$667,944.00
 CONSTRUCTION OBSERVATION (5.0%) = \$556,620.00
 PERMITTING (2.0%) = \$222,648.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$12,579,612.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 SOUTH OF WILLOW RD STUDY AREA (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
DITCH REGRADING AND LOWERING	FOOT	400	\$50.00	\$20,000.00
SITE CLEARING	ACRE	6	\$15,000.00	\$90,000.00
UNDERGROUND STORAGE - 15 ACRE-FT	LSUM	1	\$4,200,000.00	\$4,200,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	40000	\$3.00	\$120,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 48"	EACH	4	\$4,000.00	\$16,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 60"	EACH	1	\$6,000.00	\$6,000.00
STORM SEWER REMOVAL	FOOT	2000	\$10.00	\$20,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	40000	\$4.00	\$160,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$5,000.00	\$20,000.00
STORM SEWER, RCP 30"	FOOT	1200	\$65.00	\$78,000.00
STORM SEWER, RCP 36"	FOOT	500	\$85.00	\$42,500.00
STORM SEWER, RCP 48"	FOOT	800	\$100.00	\$80,000.00
STORM SEWER, RCP 60"	FOOT	3400	\$160.00	\$544,000.00
STORM STRUCTURE 8'DIA	EACH	10	\$10,000.00	\$100,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
OUTLET CONTROL STRUCTURE	EACH	1	\$10,000.00	\$10,000.00
REMOVAL OF EXISTING MANHOLE	EACH	4	\$1,000.00	\$4,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4500	\$75.00	\$337,500.00
TRENCH BACKFILL, SPECIAL	CY	10000	\$45.00	\$450,000.00
ADJUSTING SANITARY SEWER	FOOT	400	\$60.00	\$24,000.00
ADJUSTING WATERMAIN	FOOT	400	\$60.00	\$24,000.00
PUMP STATION 20 cfs - Relocation	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$300,000.00	\$300,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$150,000.00	\$150,000.00

SUB TOTAL = \$7,141,000.00
 CONTINGENCY (20%) = \$1,428,200.00
 CONSTRUCTION TOTAL = \$8,569,200.00
 DESIGN ENGINEERING (6.0%) = \$514,152.00
 CONSTRUCTION OBSERVATION (5.0%) = \$428,460.00
 PERMITTING (2.0%) = \$171,384.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$9,683,196.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 SOUTH OF WILLOW RD STUDY AREA (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
DITCH REGRADING AND LOWERING	FOOT	400	\$50.00	\$20,000.00
SITE CLEARING	ACRE	6	\$15,000.00	\$90,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	100	\$50.00	\$5,000.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	45000	\$3.00	\$135,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 48"	EACH	4	\$4,000.00	\$16,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION WITH GRATE, 72"	EACH	1	\$6,000.00	\$6,000.00
STORM SEWER REMOVAL	FOOT	800	\$10.00	\$8,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	45000	\$4.00	\$180,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$5,000.00	\$20,000.00
STORM SEWER, RCP 12"	FOOT	300	\$40.00	\$12,000.00
STORM SEWER, RCP 36"	FOOT	500	\$85.00	\$42,500.00
STORM SEWER, RCP 48"	FOOT	800	\$100.00	\$80,000.00
STORM SEWER, RCP 72"	FOOT	3400	\$200.00	\$680,000.00
STORM STRUCTURE 8'DIA	EACH	10	\$10,000.00	\$100,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
OUTLET CONTROL STRUCTURE	EACH	1	\$10,000.00	\$10,000.00
REMOVAL OF EXISTING MANHOLE	EACH	4	\$1,000.00	\$4,000.00
CLASS D PATCHES, 12 INCH	SQ YD	3333	\$75.00	\$249,975.00
TRENCH BACKFILL, SPECIAL	CY	7500	\$45.00	\$337,500.00
ADJUSTING SANITARY SEWER	FOOT	400	\$60.00	\$24,000.00
ADJUSTING WATERMAIN	FOOT	400	\$60.00	\$24,000.00
PUMP STATION 5 cfs	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$85,020.00	\$85,020.00
CONSTRUCTION LAYOUT	LSUM	1	\$85,020.00	\$85,020.00

SUB TOTAL =	\$2,554,015.00
CONTINGENCY (20%) =	\$510,803.00
CONSTRUCTION TOTAL =	\$3,064,818.00
DESIGN ENGINEERING (7.5%) =	\$229,861.35
CONSTRUCTION OBSERVATION (7.5%) =	\$229,861.35
PERMITTING (3.0%) =	\$91,944.54
TOTAL PROJECT COST INCLUDING ENGINEERING =	\$3,616,485.24

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 GREENWOOD AVE STUDY AREA - ALTERNATE 1 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
REMOVE STORM SEWER	FOOT	800	\$10.00	\$8,000.00
REMOVE STORM STRUCTURE	EACH	6	\$500.00	\$3,000.00
STORM SEWER, RCP 24"	FOOT	250	\$50.00	\$12,500.00
STORM SEWER, RCP 30"	FOOT	950	\$65.00	\$61,750.00
STORM SEWER, RCP 36"	FOOT	350	\$85.00	\$29,750.00
STORM SEWER, RCP 42"	FOOT	350	\$95.00	\$33,250.00
STORM SEWER, RCP 54"	FOOT	500	\$120.00	\$60,000.00
STORM SEWER, RCP 60"	FOOT	100	\$160.00	\$16,000.00
STORM SEWER, RCP 66"	FOOT	450	\$180.00	\$81,000.00
STORM SEWER, RCEP, 83"X53"	FOOT	1300	\$300.00	\$390,000.00
STORM STRUCTURE, 5' DIA	EACH	4	\$5,000.00	\$20,000.00
STORM STRUCTURE, 7' DIA	EACH	4	\$8,000.00	\$32,000.00
STORM STRUCTURE, 10'DIA	EACH	5	\$15,000.00	\$75,000.00
JUNCTION CHAMBER	EACH	3	\$20,000.00	\$60,000.00
RCP FLARED END SECTION WITH GRATE, 60"	EACH	1	\$6,000.00	\$6,000.00
RCP FLARED END SECTION WITH GRATE, 83"X53"	EACH	1	\$10,000.00	\$10,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
CLASS D PATCHES, 12 INCH	SQ YD	5667	\$75.00	\$425,025.00
TRENCH BACKFILL, SPECIAL	CY	12750	\$45.00	\$573,750.00
CHECK VALVE	EACH	2	\$4,000.00	\$8,000.00
TRAFFIC CONTROL	LSUM	1	\$80,000.00	\$80,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$40,000.00	\$40,000.00

SUB TOTAL = \$2,034,525.00
 CONTINGENCY (20%) = \$406,905.00
 CONSTRUCTION TOTAL = \$2,441,430.00
 DESIGN ENGINEERING (7.5%) = \$183,107.25
 CONSTRUCTION OBSERVATION (7.5%) = \$183,107.25
 PERMITTING (3.0%) = \$73,242.90

TOTAL PROJECT COST INCLUDING ENGINEERING = \$2,880,887.40

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 GREENWOOD AVE STUDY AREA - ALTERNATE 1 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
REMOVE STORM SEWER	FOOT	800	\$10.00	\$8,000.00
REMOVE STORM STRUCTURE	EACH	6	\$500.00	\$3,000.00
STORM SEWER, RCP 24"	FOOT	250	\$50.00	\$12,500.00
STORM SEWER, RCP 30"	FOOT	1300	\$65.00	\$84,500.00
STORM SEWER, RCP 54"	FOOT	500	\$120.00	\$60,000.00
STORM SEWER, RCP 60"	FOOT	1400	\$160.00	\$224,000.00
STORM STRUCTURE, 5' DIA	EACH	5	\$5,000.00	\$25,000.00
STORM STRUCTURE, 7' DIA	EACH	7	\$8,000.00	\$56,000.00
JUNCTION CHAMBER	EACH	3	\$20,000.00	\$60,000.00
RCP FLARED END SECTION WITH GRATE, 60"	EACH	2	\$6,000.00	\$12,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
CLASS D PATCHES, 12 INCH	SQ YD	5200	\$75.00	\$390,000.00
TRENCH BACKFILL, SPECIAL	CY	11700	\$45.00	\$526,500.00
CHECK VALVE	EACH	2	\$4,000.00	\$8,000.00
TRAFFIC CONTROL	LSUM	1	\$80,000.00	\$80,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$40,000.00	\$40,000.00

SUB TOTAL = \$1,599,000.00
 CONTINGENCY (20%) = \$319,800.00
 CONSTRUCTION TOTAL = \$1,918,800.00
 DESIGN ENGINEERING (7.5%) = \$143,910.00
 CONSTRUCTION OBSERVATION (7.5%) = \$143,910.00
 PERMITTING (3.0%) = \$57,564.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$2,264,184.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

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 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 GREENWOOD AVE STUDY AREA - ALTERNATE 1 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	1000	\$3.00	\$3,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1000	\$4.00	\$4,000.00
REMOVE STORM SEWER	FOOT	800	\$10.00	\$8,000.00
REMOVE STORM STRUCTURE	EACH	6	\$500.00	\$3,000.00
STORM SEWER, RCP 21"	FOOT	500	\$48.00	\$24,000.00
STORM SEWER, RCP 24"	FOOT	700	\$50.00	\$35,000.00
STORM SEWER, RCP 30"	FOOT	350	\$65.00	\$22,750.00
STORM SEWER, RCP 42"	FOOT	450	\$95.00	\$42,750.00
STORM SEWER, RCP 48"	FOOT	1800	\$100.00	\$180,000.00
STORM SEWER, RCP 60"	FOOT	100	\$160.00	\$16,000.00
STORM STRUCTURE, 5' DIA	EACH	5	\$5,000.00	\$25,000.00
STORM STRUCTURE, 7' DIA	EACH	7	\$8,000.00	\$56,000.00
JUNCTION CHAMBER	EACH	3	\$20,000.00	\$60,000.00
RCP FLARED END SECTION WITH GRATE, 48"	EACH	1	\$5,500.00	\$5,500.00
RCP FLARED END SECTION WITH GRATE, 60"	EACH	1	\$6,000.00	\$6,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
CLASS D PATCHES, 12 INCH	SQ YD	5200	\$75.00	\$390,000.00
TRENCH BACKFILL, SPECIAL	CY	11700	\$45.00	\$526,500.00
CHECK VALVE	EACH	2	\$4,000.00	\$8,000.00
TRAFFIC CONTROL	LSUM	1	\$80,000.00	\$80,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$40,000.00	\$40,000.00

SUB TOTAL = \$1,538,000.00
 CONTINGENCY (20%) = \$307,600.00
 CONSTRUCTION TOTAL = \$1,845,600.00
 DESIGN ENGINEERING (7.5%) = \$138,420.00
 CONSTRUCTION OBSERVATION (7.5%) = \$138,420.00
 PERMITTING (3.0%) = \$55,368.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$2,177,808.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

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 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 GREENWOOD AVE STUDY AREA - ALTERNATE 2 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	20000	\$3.00	\$60,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	20000	\$4.00	\$80,000.00
UNDERGROUND STORAGE (8.9 AC-FT)	LSUM	1	\$2,500,000.00	\$2,500,000.00
REMOVE STORM SEWER	FOOT	1000	\$10.00	\$10,000.00
REMOVE STORM STRUCTURE	EACH	4	\$500.00	\$2,000.00
STORM SEWER, PVC 6"	FOOT	100	\$30.00	\$3,000.00
STORM SEWER, RCP 24"	FOOT	350	\$50.00	\$17,500.00
STORM SEWER, RCP 36"	FOOT	1100	\$85.00	\$93,500.00
STORM SEWER, RCP 42"	FOOT	650	\$95.00	\$61,750.00
STORM SEWER, RCP 48"	FOOT	700	\$100.00	\$70,000.00
STORM STRUCTURE, 5' DIA	EACH	3	\$5,000.00	\$15,000.00
STORM STRUCTURE, 7' DIA	EACH	6	\$8,000.00	\$48,000.00
STORM STRUCTURE, 10'DIA	EACH	3	\$15,000.00	\$45,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
RCP FLARED END SECTION WITH GRATE, 36"	EACH	1	\$4,000.00	\$4,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
CLASS D PATCHES, 12 INCH	SQ YD	3733	\$75.00	\$279,975.00
TRENCH BACKFILL, SPECIAL	CY	7000	\$45.00	\$315,000.00
CHECK VALVE	EACH	3	\$4,000.00	\$12,000.00
TRAFFIC CONTROL	LSUM	1	\$75,000.00	\$75,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$50,000.00	\$50,000.00

SUB TOTAL = \$3,764,225.00
 CONTINGENCY (20%) = \$752,845.00
 CONSTRUCTION TOTAL = \$4,517,070.00
 DESIGN ENGINEERING (7.5%) = \$338,780.25
 CONSTRUCTION OBSERVATION (7.5%) = \$338,780.25
 PERMITTING (3.0%) = \$135,512.10

TOTAL PROJECT COST INCLUDING ENGINEERING = \$5,330,142.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

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 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 GREENWOOD AVE STUDY AREA - ALTERNATE 2 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	20000	\$3.00	\$60,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	20000	\$4.00	\$80,000.00
UNDERGROUND STORAGE (6.4 AC-FT)	LSUM	1	\$1,800,000.00	\$1,800,000.00
REMOVE STORM SEWER	FOOT	400	\$10.00	\$4,000.00
REMOVE STORM STRUCTURE	EACH	2	\$500.00	\$1,000.00
STORM SEWER, PVC 6"	FOOT	100	\$30.00	\$3,000.00
STORM SEWER, RCP 21"	FOOT	250	\$48.00	\$12,000.00
STORM SEWER, RCP 24"	FOOT	100	\$50.00	\$5,000.00
STORM SEWER, RCP 30"	FOOT	350	\$65.00	\$22,750.00
STORM SEWER, RCP 36"	FOOT	1100	\$85.00	\$93,500.00
STORM SEWER, RCP 42"	FOOT	250	\$95.00	\$23,750.00
STORM SEWER, RCP 48"	FOOT	450	\$100.00	\$45,000.00
STORM STRUCTURE, 5' DIA	EACH	4	\$5,000.00	\$20,000.00
STORM STRUCTURE, 7' DIA	EACH	5	\$8,000.00	\$40,000.00
STORM STRUCTURE, 10'DIA	EACH	3	\$15,000.00	\$45,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
RCP FLARED END SECTION WITH GRATE, 36"	EACH	1	\$4,000.00	\$4,000.00
RIPRAP WITH FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
CLASS D PATCHES, 12 INCH	SQ YD	3333	\$75.00	\$249,975.00
TRENCH BACKFILL, SPECIAL	CY	5500	\$45.00	\$247,500.00
CHECK VALVE	EACH	3	\$4,000.00	\$12,000.00
TRAFFIC CONTROL	LSUM	1	\$75,000.00	\$75,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$50,000.00	\$50,000.00

SUB TOTAL = \$2,935,975.00
 CONTINGENCY (20%) = \$587,195.00
 CONSTRUCTION TOTAL = \$3,523,170.00
 DESIGN ENGINEERING (7.5%) = \$264,237.75
 CONSTRUCTION OBSERVATION (7.5%) = \$264,237.75
 PERMITTING (3.0%) = \$105,695.10

TOTAL PROJECT COST INCLUDING ENGINEERING = \$4,157,340.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 GREENWOOD AVE STUDY AREA - ALTERNATE 2 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	10000	\$3.00	\$30,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10000	\$4.00	\$40,000.00
UNDERGROUND STORAGE (4.7 AC-FT)	LSUM	1	\$1,320,000.00	\$1,320,000.00
REMOVE STORM SEWER	FOOT	400	\$10.00	\$4,000.00
REMOVE STORM STRUCTURE	EACH	2	\$500.00	\$1,000.00
STORM SEWER, PVC 6"	FOOT	100	\$30.00	\$3,000.00
STORM SEWER, RCP 21"	FOOT	250	\$48.00	\$12,000.00
STORM SEWER, RCP 24"	FOOT	100	\$50.00	\$5,000.00
STORM SEWER, RCP 30"	FOOT	1450	\$65.00	\$94,250.00
STORM STRUCTURE, 5' DIA	EACH	3	\$5,000.00	\$15,000.00
STORM STRUCTURE, 7' DIA	EACH	3	\$8,000.00	\$24,000.00
STORM STRUCTURE, 10'DIA	EACH	2	\$15,000.00	\$30,000.00
JUNCTION CHAMBER	EACH	1	\$20,000.00	\$20,000.00
RCP FLARED END SECTION WITH GRATE, 30"	EACH	1	\$3,500.00	\$3,500.00
RIPRAP WITH FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
CLASS D PATCHES, 12 INCH	SQ YD	2400	\$75.00	\$180,000.00
TRENCH BACKFILL, SPECIAL	CY	3960	\$45.00	\$178,200.00
CHECK VALVE	EACH	3	\$4,000.00	\$12,000.00
CONCRETE STRUCTURE - WEIR	EACH	1	\$17,000.00	\$17,000.00
TRAFFIC CONTROL	LSUM	1	\$75,000.00	\$75,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$50,000.00	\$50,000.00

SUB TOTAL = \$2,116,450.00
 CONTINGENCY (20%) = \$423,290.00
 CONSTRUCTION TOTAL = \$2,539,740.00
 DESIGN ENGINEERING (7.5%) = \$190,480.50
 CONSTRUCTION OBSERVATION (7.5%) = \$190,480.50
 PERMITTING (3.0%) = \$76,192.20

TOTAL PROJECT COST INCLUDING ENGINEERING = \$2,996,893.20

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES (GAS/WATER/TELEPHONE)

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 CHERRY ST OUTLET STUDY AREA - ALTERNATE 1 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SITE CLEARING	LSUM	1	\$5,000.00	\$5,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	1	\$5,000.00	\$5,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	2000	\$3.00	\$6,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2000	\$4.00	\$8,000.00
STORM SEWER, RCP 27"	FOOT	500	\$60.00	\$30,000.00
STORM SEWER, RCP 36"	FOOT	450	\$85.00	\$38,250.00
STORM SEWER, RCP 48"	FOOT	400	\$100.00	\$40,000.00
STORM SEWER, RCP 54"	FOOT	750	\$120.00	\$90,000.00
STORM SEWER, RCP 60"	FOOT	1050	\$160.00	\$168,000.00
REMOVE STORM SEWER	FOOT	3150	\$10.00	\$31,500.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
REMOVE MANHOLE	EACH	10	\$500.00	\$5,000.00
STORM STRUCTURE, 5'DIA	EACH	4	\$5,000.00	\$20,000.00
STORM STRUCTURE, 7'DIA	EACH	4	\$8,000.00	\$32,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4200	\$75.00	\$315,000.00
TRENCH BACKFILL, SPECIAL	CY	6300	\$45.00	\$283,500.00
WATER QUALITY STRUCTURE	LSUM	1	\$94,000.00	\$94,000.00
ENERGY DISSIPATOR	LSUM	1	\$50,000.00	\$50,000.00
TRAFFIC CONTROL	LSUM	1	\$60,000.00	\$60,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
SOIL EROSION CONTROL AND PROTECTION	LSUM	1	\$30,000.00	\$30,000.00

SUB TOTAL = \$1,383,750.00
 CONTINGENCY (20%) = \$276,750.00
 CONSTRUCTION TOTAL = \$1,660,500.00
 DESIGN ENGINEERING (7.5%) = \$124,537.50
 CONSTRUCTION OBSERVATION (7.5%) = \$124,537.50
 PERMITTING (3.0%) = \$49,815.00

TOTAL PROJECT COST INCLUDING ENGINEERING = \$1,959,390.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 CHERRY ST OUTLET STUDY AREA - ALTERNATE 1 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SITE CLEARING	LSUM	1	\$5,000.00	\$5,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	1	\$5,000.00	\$5,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	2000	\$3.00	\$6,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2000	\$4.00	\$8,000.00
STORM SEWER, RCP 24"	FOOT	500	\$50.00	\$25,000.00
STORM SEWER, RCP 36"	FOOT	450	\$85.00	\$38,250.00
STORM SEWER, RCP 42"	FOOT	400	\$95.00	\$38,000.00
STORM SEWER, RCP 48"	FOOT	1350	\$100.00	\$135,000.00
STORM SEWER, RCP 54"	FOOT	450	\$120.00	\$54,000.00
REMOVE STORM SEWER	FOOT	3150	\$10.00	\$31,500.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
REMOVE MANHOLE	EACH	10	\$500.00	\$5,000.00
STORM STRUCTURE, 5'DIA	EACH	4	\$5,000.00	\$20,000.00
STORM STRUCTURE, 7'DIA	EACH	4	\$8,000.00	\$32,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4200	\$75.00	\$315,000.00
TRENCH BACKFILL, SPECIAL	CY	6300	\$45.00	\$283,500.00
WATER QUALITY STRUCTURE	LSUM	1	\$94,000.00	\$94,000.00
ENERGY DISSIPATOR	LSUM	1	\$50,000.00	\$50,000.00
TRAFFIC CONTROL	LSUM	1	\$60,000.00	\$60,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
SOIL EROSION CONTROL AND PROTECTION	LSUM	1	\$30,000.00	\$30,000.00

SUB TOTAL =	\$1,307,750.00
CONTINGENCY (20%) =	\$261,550.00
CONSTRUCTION TOTAL =	\$1,569,300.00
DESIGN ENGINEERING (7.5%) =	\$117,697.50
CONSTRUCTION OBSERVATION (7.5%) =	\$117,697.50
PERMITTING (3.0%) =	\$47,079.00
TOTAL PROJECT COST INCLUDING ENGINEERING =	\$1,851,774.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project# 080671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 CHERRY ST OUTLET STUDY AREA - ALTERNATE 1 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
SITE CLEARING	LSUM	1	\$5,000.00	\$5,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	1	\$5,000.00	\$5,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	2000	\$3.00	\$6,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2000	\$4.00	\$8,000.00
STORM SEWER, RCP 18"	FOOT	500	\$40.00	\$20,000.00
STORM SEWER, RCP 30"	FOOT	450	\$70.00	\$31,500.00
STORM SEWER, RCP 36"	FOOT	400	\$85.00	\$34,000.00
STORM SEWER, RCP 42"	FOOT	1350	\$95.00	\$128,250.00
STORM SEWER, RCP 48"	FOOT	450	\$100.00	\$45,000.00
REMOVE STORM SEWER	FOOT	3150	\$10.00	\$31,500.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	50	\$50.00	\$2,500.00
REMOVE MANHOLE	EACH	10	\$500.00	\$5,000.00
STORM STRUCTURE, 5'DIA	EACH	4	\$5,000.00	\$20,000.00
STORM STRUCTURE, 7'DIA	EACH	4	\$8,000.00	\$32,000.00
JUNCTION CHAMBER	EACH	2	\$20,000.00	\$40,000.00
CLASS D PATCHES, 12 INCH	SQ YD	4200	\$75.00	\$315,000.00
TRENCH BACKFILL, SPECIAL	CY	6300	\$45.00	\$283,500.00
WATER QUALITY STRUCTURE	LSUM	1	\$94,000.00	\$94,000.00
ENERGY DISSIPATOR	LSUM	1	\$50,000.00	\$50,000.00
TRAFFIC CONTROL	LSUM	1	\$60,000.00	\$60,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
SOIL EROSION CONTROL AND PROTECTION	LSUM	1	\$30,000.00	\$30,000.00

SUB TOTAL =	\$1,276,250.00
CONTINGENCY (20%) =	\$255,250.00
CONSTRUCTION TOTAL =	\$1,531,500.00
DESIGN ENGINEERING (7.5%) =	\$114,862.50
CONSTRUCTION OBSERVATION (7.5%) =	\$114,862.50
PERMITTING (3.0%) =	\$45,945.00
TOTAL PROJECT COST INCLUDING ENGINEERING =	\$1,807,170.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 NORTH OF WILLOW RD STUDY AREA - ALTERNATE 1 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
EARTH EXCAVATION	CU YD	105,000	\$35.00	\$3,675,000.00
SITE CLEARING	ACRE	18	\$15,000.00	\$270,000.00
DETENTION VAULT FOR UNDERGROUND STORAGE - 13.4 ACRE-FT	LSUM	1	\$3,750,000.00	\$3,750,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	150	\$50.00	\$7,500.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	105000	\$3.00	\$315,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	EACH	2	\$1,000.00	\$2,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION, 72"	EACH	1	\$5,000.00	\$5,000.00
STORM SEWER REMOVAL	FOOT	9100	\$10.00	\$91,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	105000	\$4.00	\$420,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$3,500.00	\$14,000.00
STORM SEWER, RCP 24"	FOOT	1100	\$50.00	\$55,000.00
STORM SEWER, RCP 36"	FOOT	1850	\$85.00	\$157,250.00
STORM SEWER, RCP 42"	FOOT	3150	\$95.00	\$299,250.00
STORM SEWER, RCP 48"	FOOT	2600	\$100.00	\$260,000.00
STORM SEWER, RCP 60"	FOOT	1100	\$160.00	\$176,000.00
STORM SEWER, RCP 66"	FOOT	500	\$180.00	\$90,000.00
STORM SEWER, RCP 72"	FOOT	2300	\$200.00	\$460,000.00
PROPOSED MANHOLE 5'DIA	EACH	17	\$6,000.00	\$102,000.00
PROPOSED MANHOLE 7'DIA	EACH	15	\$8,000.00	\$120,000.00
OUTLET CONTROL STRUCTURE	EACH	2	\$10,000.00	\$20,000.00
REMOVAL OF EXISTING MANHOLE	EACH	25	\$1,000.00	\$25,000.00
UNDER DRAINS	L SUM	1	\$150,000.00	\$150,000.00
CLASS D PATCHES, 8 INCH	SQ YD	9511	\$75.00	\$713,325.00
TRENCH BACKFILL, SPECIAL	CY	13910	\$45.00	\$625,950.00
ADJUSTING SANITARY SEWER	FOOT	1500	\$60.00	\$90,000.00
ADJUSTING WATERMAIN	FOOT	500	\$60.00	\$30,000.00
PUMP STATION	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$240,000.00	\$240,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$120,000.00	\$120,000.00
MOBILIZATION	LSUM	1	\$300,000.00	\$300,000.00

SUB TOTAL = \$12,883,275.00
 CONTINGENCY (20%) = \$2,576,655.00
 CONSTRUCTION TOTAL = \$15,459,930.00
 DESIGN ENGINEERING (6.0%) = \$927,595.80
 CONSTRUCTION OBSERVATION (5.0%) = \$772,996.50
 PERMITTING (2.0%) = \$309,198.60

TOTAL PROJECT COST INCLUDING ENGINEERING = \$17,469,720.90

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
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 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 NORTH OF WILLOW RD STUDY AREA - ALTERNATE 1 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
EARTH EXCAVATION	CU YD	60,000	\$35.00	\$2,100,000.00
SITE CLEARING	ACRE	12	\$15,000.00	\$180,000.00
DETENTION VAULT FOR UNDERGROUND STORAGE - 13.4 ACRE-FT	LSUM	1	\$3,750,000.00	\$3,750,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	150	\$50.00	\$7,500.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	70000	\$3.00	\$210,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	EACH	2	\$1,000.00	\$2,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION, 72"	EACH	1	\$5,000.00	\$5,000.00
STORM SEWER REMOVAL	FOOT	9100	\$10.00	\$91,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	70000	\$4.00	\$280,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$3,500.00	\$14,000.00
STORM SEWER, RCP 24"	FOOT	1100	\$50.00	\$55,000.00
STORM SEWER, RCP 36"	FOOT	7050	\$85.00	\$599,250.00
STORM SEWER, RCP 48"	FOOT	450	\$100.00	\$45,000.00
STORM SEWER, RCP 60"	FOOT	1650	\$160.00	\$264,000.00
STORM SEWER, RCP 72"	FOOT	2400	\$200.00	\$480,000.00
PROPOSED MANHOLE 5'DIA	EACH	17	\$6,000.00	\$102,000.00
PROPOSED MANHOLE 7'DIA	EACH	15	\$8,000.00	\$120,000.00
OUTLET CONTROL STRUCTURE	EACH	2	\$10,000.00	\$20,000.00
REMOVAL OF EXISTING MANHOLE	EACH	25	\$1,000.00	\$25,000.00
UNDER DRAINS	L SUM	1	\$150,000.00	\$150,000.00
CLASS D PATCHES, 8 INCH	SQ YD	9511	\$75.00	\$713,325.00
TRENCH BACKFILL, SPECIAL	CY	13910	\$45.00	\$625,950.00
ADJUSTING SANITARY SEWER	FOOT	1500	\$60.00	\$90,000.00
ADJUSTING WATERMAIN	FOOT	500	\$60.00	\$30,000.00
PUMP STATION	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$240,000.00	\$240,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$120,000.00	\$120,000.00
MOBILIZATION	LSUM	1	\$300,000.00	\$300,000.00

SUB TOTAL = \$10,919,025.00
 CONTINGENCY (20%) = \$2,183,805.00
 CONSTRUCTION TOTAL = \$13,102,830.00
 DESIGN ENGINEERING (6.0%) = \$786,169.80
 CONSTRUCTION OBSERVATION (5.0%) = \$655,141.50
 PERMITTING (2.0%) = \$262,056.60

TOTAL PROJECT COST INCLUDING ENGINEERING = \$14,806,197.90

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
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 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 NORTH OF WILLOW RD STUDY AREA - ALTERNATE 1 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
EARTH EXCAVATION	CU YD	27,000	\$35.00	\$945,000.00
SITE CLEARING	ACRE	8	\$15,000.00	\$120,000.00
DETENTION VAULT FOR UNDERGROUND STORAGE - 13.4 ACRE-FT	LSUM	1	\$3,750,000.00	\$3,750,000.00
STONE RIPRAP, CLASS A4 W/ FILTER FABRIC	SQ YD	150	\$50.00	\$7,500.00
SEEDING, WITH EROSION CONTROL BLANKET	SQ YD	55000	\$3.00	\$165,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	EACH	2	\$1,000.00	\$2,000.00
PRECAST REINFORCED CONCRETE FLARED END SECTION, 72"	EACH	1	\$5,000.00	\$5,000.00
STORM SEWER REMOVAL	FOOT	9100	\$10.00	\$91,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	55000	\$4.00	\$220,000.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	4	\$3,500.00	\$14,000.00
STORM SEWER, RCP 24"	FOOT	1100	\$50.00	\$55,000.00
STORM SEWER, RCP 36"	FOOT	7100	\$85.00	\$603,500.00
STORM SEWER, RCP 42"	FOOT	450	\$95.00	\$42,750.00
STORM SEWER, RCP 54"	FOOT	450	\$120.00	\$54,000.00
STORM SEWER, RCP 60"	FOOT	1200	\$160.00	\$192,000.00
STORM SEWER, RCP 72"	FOOT	2400	\$200.00	\$480,000.00
PROPOSED MANHOLE 5'DIA	EACH	17	\$6,000.00	\$102,000.00
PROPOSED MANHOLE 7'DIA	EACH	15	\$8,000.00	\$120,000.00
OUTLET CONTROL STRUCTURE	EACH	2	\$10,000.00	\$20,000.00
REMOVAL OF EXISTING MANHOLE	EACH	25	\$1,000.00	\$25,000.00
UNDER DRAINS	L SUM	1	\$150,000.00	\$150,000.00
CLASS D PATCHES, 8 INCH	SQ YD	9511	\$75.00	\$713,325.00
TRENCH BACKFILL, SPECIAL	CY	13910	\$45.00	\$625,950.00
ADJUSTING SANITARY SEWER	FOOT	1500	\$60.00	\$90,000.00
ADJUSTING WATERMAIN	FOOT	500	\$60.00	\$30,000.00
PUMP STATION	LSUM	1	\$300,000.00	\$300,000.00
TRAFFIC CONTROL	LSUM	1	\$240,000.00	\$240,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$120,000.00	\$120,000.00
MOBILIZATION	LSUM	1	\$300,000.00	\$300,000.00

SUB TOTAL = \$9,583,025.00
 CONTINGENCY (20%) = \$1,916,605.00
 CONSTRUCTION TOTAL = \$11,499,630.00
 DESIGN ENGINEERING (6.0%) = \$689,977.80
 CONSTRUCTION OBSERVATION (5.0%) = \$574,981.50
 PERMITTING (2.0%) = \$229,992.60

TOTAL PROJECT COST INCLUDING ENGINEERING = \$12,994,581.90

NOTE: THIS ESTIMATE DOES NOT INCLUDE RE-INSTALLING THE BASEBALL FIELDS, ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
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 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 1 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4667	\$75.00	\$350,025.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	\$4.00	\$12,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	3000	\$3.00	\$9,000.00
84" RCP STORM SEWER	FOOT	3000	\$300.00	\$900,000.00
96" RCP STORM SEWER	FOOT	1000	\$500.00	\$500,000.00
TRENCH BACKFILL, SPECIAL	CY	16000	\$45.00	\$720,000.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES ON PIPE TEES	EACH	10	\$5,000.00	\$50,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$94,410.00	\$94,410.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$3,141,435.00
 CONTINGENCY (20%) = \$628,287.00
 CONSTRUCTION TOTAL = \$3,769,722.00
 DESIGN ENGINEERING (7.5%) = \$282,729.15
 CONSTRUCTION OBSERVATION (7.5%) = \$282,729.15
 PERMITTING (3.0%) = \$113,091.66

TOTAL PROJECT COST INCLUDING ENGINEERING = \$4,448,271.96

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 1 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4667	\$75.00	\$350,025.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	\$4.00	\$12,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	3000	\$3.00	\$9,000.00
60" RCP STORM SEWER	FOOT	1600	\$160.00	\$256,000.00
66" RCP STORM SEWER	FOOT	1400	\$180.00	\$252,000.00
84" RCP STORM SEWER	FOOT	1000	\$300.00	\$300,000.00
TRENCH BACKFILL, SPECIAL	CY	12000	\$45.00	\$540,000.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES ON PIPE TEES	EACH	3	\$5,000.00	\$15,000.00
STORM STRUCTURES, 7'DIA	EACH	10	\$8,000.00	\$80,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$72,600.00	\$72,600.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$2,392,625.00
 CONTINGENCY (20%) = \$478,525.00
 CONSTRUCTION TOTAL = \$2,871,150.00
 DESIGN ENGINEERING (7.5%) = \$215,336.25
 CONSTRUCTION OBSERVATION (7.5%) = \$215,336.25
 PERMITTING (3.0%) = \$86,134.50

TOTAL PROJECT COST INCLUDING ENGINEERING = \$3,387,957.00

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 1 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4667	\$75.00	\$350,025.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	\$4.00	\$12,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	3000	\$3.00	\$9,000.00
54" RCP STORM SEWER	FOOT	3000	\$160.00	\$480,000.00
66" RCP STORM SEWER	FOOT	1000	\$180.00	\$180,000.00
TRENCH BACKFILL, SPECIAL	CY	8000	\$45.00	\$360,000.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES, 7'DIA	EACH	10	\$8,000.00	\$80,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$62,310.00	\$62,310.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$2,039,335.00
 CONTINGENCY (20%) = \$407,867.00
 CONSTRUCTION TOTAL = \$2,447,202.00
 DESIGN ENGINEERING (7.5%) = \$183,540.15
 CONSTRUCTION OBSERVATION (7.5%) = \$183,540.15
 PERMITTING (3.0%) = \$73,416.06

TOTAL PROJECT COST INCLUDING ENGINEERING = \$2,887,698.36

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 2 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
UNDERGROUND DETENTION - 6 ACRE-FT	LSUM	1	\$2,000,000.00	\$2,000,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4933	\$75.00	\$369,975.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6000	\$4.00	\$24,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	6000	\$3.00	\$18,000.00
12" RCP STORM SEWER	FOOT	550	\$40.00	\$22,000.00
42" RCP STORM SEWER	FOOT	200	\$95.00	\$19,000.00
66" RCP STORM SEWER	FOOT	3000	\$180.00	\$540,000.00
90" RCP STORM SEWER	FOOT	1000	\$400.00	\$400,000.00
TRENCH BACKFILL, SPECIAL	CY	12000	\$45.00	\$540,000.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES, 7' DIA	EACH	10	\$8,000.00	\$80,000.00
STORM STRUCTURES ON PIPE TEES	EACH	3	\$5,000.00	\$15,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$100,000.00	\$100,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$4,633,975.00
 CONTINGENCY (20%) = \$926,795.00
 CONSTRUCTION TOTAL = \$5,560,770.00
 DESIGN ENGINEERING (7.5%) = \$417,057.75
 CONSTRUCTION OBSERVATION (7.5%) = \$417,057.75
 PERMITTING (3.0%) = \$166,823.10

TOTAL PROJECT COST INCLUDING ENGINEERING = \$6,561,708.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 2 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
UNDERGROUND DETENTION - 4.5 ACRE-FT	LSUM	1	\$1,500,000.00	\$1,500,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4933	\$75.00	\$369,975.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6000	\$4.00	\$24,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	6000	\$3.00	\$18,000.00
12" RCP STORM SEWER	FOOT	550	\$40.00	\$22,000.00
42" RCP STORM SEWER	FOOT	200	\$95.00	\$19,000.00
54" RCP STORM SEWER	FOOT	3000	\$120.00	\$360,000.00
78" RCP STORM SEWER	FOOT	1000	\$280.00	\$280,000.00
TRENCH BACKFILL, SPECIAL	CY	12000	\$45.00	\$540,000.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES, 7' DIA	EACH	10	\$8,000.00	\$80,000.00
STORM STRUCTURES ON PIPE TEES	EACH	3	\$5,000.00	\$15,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$100,000.00	\$100,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$3,833,975.00
 CONTINGENCY (20%) = \$766,795.00
 CONSTRUCTION TOTAL = \$4,600,770.00
 DESIGN ENGINEERING (7.5%) = \$345,057.75
 CONSTRUCTION OBSERVATION (7.5%) = \$345,057.75
 PERMITTING (3.0%) = \$138,023.10

TOTAL PROJECT COST INCLUDING ENGINEERING = \$5,428,908.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

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 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 2 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
UNDERGROUND DETENTION - 3 ACRE-FT	LSUM	1	\$1,000,000.00	\$1,000,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4933	\$75.00	\$369,975.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6000	\$4.00	\$24,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	6000	\$3.00	\$18,000.00
12" RCP STORM SEWER	FOOT	550	\$40.00	\$22,000.00
42" RCP STORM SEWER	FOOT	3200	\$95.00	\$304,000.00
66" RCP STORM SEWER	FOOT	1000	\$180.00	\$180,000.00
TRENCH BACKFILL, SPECIAL	CY	12000	\$45.00	\$540,000.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES, 7' DIA	EACH	12	\$8,000.00	\$96,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$94,800.00	\$94,800.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$3,154,775.00
 CONTINGENCY (20%) = \$630,955.00
 CONSTRUCTION TOTAL = \$3,785,730.00
 DESIGN ENGINEERING (7.5%) = \$283,929.75
 CONSTRUCTION OBSERVATION (7.5%) = \$283,929.75
 PERMITTING (3.0%) = \$113,571.90

TOTAL PROJECT COST INCLUDING ENGINEERING = \$4,467,161.40

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Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 3 (100-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
UNDERGROUND DETENTION - 5 ACRE-FT	LSUM	1	\$1,700,000.00	\$1,700,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4933	\$75.00	\$369,975.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	\$4.00	\$12,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	3000	\$3.00	\$9,000.00
36" RCP STORM SEWER	FOOT	200	\$85.00	\$17,000.00
72" RCP STORM SEWER	FOOT	3000	\$200.00	\$600,000.00
90" RCP STORM SEWER	FOOT	1000	\$400.00	\$400,000.00
TRENCH BACKFILL, SPECIAL	CY	9250	\$45.00	\$416,250.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURES ON PIPE TEES	EACH	10	\$5,000.00	\$50,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$100,000.00	\$100,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$4,180,225.00
 CONTINGENCY (20%) = \$836,045.00
 CONSTRUCTION TOTAL = \$5,016,270.00
 DESIGN ENGINEERING (7.5%) = \$376,220.25
 CONSTRUCTION OBSERVATION (7.5%) = \$376,220.25
 PERMITTING (3.0%) = \$150,488.10

TOTAL PROJECT COST INCLUDING ENGINEERING = \$5,919,198.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
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Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 3 (50-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
UNDERGROUND DETENTION - 4 ACRE-FT	LSUM	1	\$1,400,000.00	\$1,400,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4933	\$75.00	\$369,975.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	\$4.00	\$12,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	3000	\$3.00	\$9,000.00
36" RCP STORM SEWER	FOOT	200	\$85.00	\$17,000.00
60" RCP STORM SEWER	FOOT	3000	\$160.00	\$480,000.00
78" RCP STORM SEWER	FOOT	1000	\$250.00	\$250,000.00
TRENCH BACKFILL, SPECIAL	CY	9250	\$45.00	\$416,250.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURE, 7'DIA	EACH	7	\$8,000.00	\$56,000.00
STORM STRUCTURES ON PIPE TEES	EACH	3	\$5,000.00	\$15,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$100,000.00	\$100,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$3,631,225.00
 CONTINGENCY (20%) = \$726,245.00
 CONSTRUCTION TOTAL = \$4,357,470.00
 DESIGN ENGINEERING (7.5%) = \$326,810.25
 CONSTRUCTION OBSERVATION (7.5%) = \$326,810.25
 PERMITTING (3.0%) = \$130,724.10

TOTAL PROJECT COST INCLUDING ENGINEERING = \$5,141,814.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

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 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 08671
 Date: September 26, 2011

Village of Winnetka, Proposed Drainage Improvements
 UNDERPASS STUDY AREA - ALTERNATE 3 (25-Year)

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	2	\$3,500.00	\$7,000.00
UNDERGROUND DETENTION - 3 ACRE-FT	LSUM	1	\$1,000,000.00	\$1,000,000.00
CLASS D PATCHES, 8 INCH	SQ YD	4933	\$75.00	\$369,975.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3000	\$4.00	\$12,000.00
SEEDING WITH EROSION CONTROL BLANKET	SQ YD	3000	\$3.00	\$9,000.00
36" RCP STORM SEWER	FOOT	200	\$85.00	\$17,000.00
48" RCP STORM SEWER	FOOT	3000	\$100.00	\$300,000.00
66" RCP STORM SEWER	FOOT	1000	\$180.00	\$180,000.00
TRENCH BACKFILL, SPECIAL	CY	9250	\$45.00	\$416,250.00
JUNCTION CHAMBER	EACH	3	\$25,000.00	\$75,000.00
STORM STRUCTURE, 7'DIA	EACH	10	\$8,000.00	\$80,000.00
ADJUSTING SANITARY SEWER	FOOT	1600	\$100.00	\$160,000.00
ADJUSTING WATERMAIN	FOOT	400	\$100.00	\$40,000.00
WATER QUALITY STRUCTURE	EACH	1	\$94,000.00	\$94,000.00
TRAFFIC CONTROL	LSUM	1	\$100,000.00	\$89,705.00
CONSTRUCTION LAYOUT	LSUM	1	\$30,000.00	\$30,000.00
MOBILIZATION	LSUM	1	\$100,000.00	\$100,000.00

SUB TOTAL = \$2,979,930.00
 CONTINGENCY (20%) = \$595,986.00
 CONSTRUCTION TOTAL = \$3,575,916.00
 DESIGN ENGINEERING (7.5%) = \$268,193.70
 CONSTRUCTION OBSERVATION (7.5%) = \$268,193.70
 PERMITTING (3.0%) = \$107,277.48

TOTAL PROJECT COST INCLUDING ENGINEERING = \$4,219,580.88

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

Christopher B. Burke Engineering, Ltd.
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 Project # 080671
 Date: April 18, 2011

Village of Winnetka, Proposed Drainage Improvements
 RAVINE STUDY AREA - ALTERNATE 1

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
INLET CHAMBER, SPECIAL W/5 EA. 2'X4' GRATES	LSUM	1	\$30,000.00	\$30,000.00
PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE CULVERT PIPE 36"	FOOT	75	\$90.00	\$6,750.00
JUNCTION CHAMBER, (3EA 36"RCP TO 5'X4' BOX)	EACH	1	\$20,000.00	\$20,000.00
TRENCH BACKFILL, SPECIAL	CY	53	\$45.00	\$2,385.00
ADJUSTING SANITARY SEWER	FOOT	40	\$100.00	\$4,000.00
ADJUSTING WATERMAIN	FOOT	40	\$100.00	\$4,000.00
SEEDING, CLASS 3 WITH EXCELSIOR BLANKET	SQ YD	267	\$3.00	\$801.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	267	\$4.00	\$1,068.00
STABILIZED CONSTRUCTION ENTRANCE	EACH	1	\$3,500.00	\$3,500.00
CLASS D PATCHES, 12 INCH	SQ YD	50	\$90.00	\$4,500.00
TRAFFIC CONTROL	LSUM	1	\$20,000.00	\$20,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$5,000.00	\$5,000.00

SUB TOTAL =	\$102,004.00
CONTINGENCY (20%) =	\$20,400.80
CONSTRUCTION TOTAL =	\$122,404.80
DESIGN ENGINEERING (7.5%) =	\$9,180.36
CONSTRUCTION OBSERVATION (7.5%) =	\$9,180.36
PERMITTING (5.0%) =	\$5,100.20
TOTAL PROJECT COST INCLUDING ENGINEERING =	\$145,865.72

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION
 EASEMENTS, OR RELOCATING ANY UTILITIES

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 9575 West Higgins Road, Suite 600
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 Project# 080671
 Date: April 18, 2011

Village of Winnetka, Proposed Drainage Improvements
 RAVINE STUDY AREA - ALTERNATE 2

ITEMS	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
STABILIZED CONSTRUCTION ENTRANCE	EACH	1	\$3,500.00	\$3,500.00
FULL DEPTH ASPHALT REMOVAL	SQ YD	1500	\$15.00	\$22,500.00
PARTIAL DEPTH ASPHALT REMOVAL	SQ YD	1500	\$10.00	\$15,000.00
AGGREGATE BASE COURSE (RAISE ROAD)	TON	1350	\$30.00	\$40,500.00
HOT-MIX ASPHALT PAVEMENT, 12" (RAISED SECTION)	SQ YD	1500	\$80.00	\$120,000.00
HOT-MIX ASPHALT PAVEMENT, VARIABLE (RE-PROFILED SECTION)	SQ YD	1500	\$30.00	\$45,000.00
SHOULDER REPAIR - AGGREGATE	SQ YD	300	\$20.00	\$6,000.00
TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4522	\$4.00	\$18,088.00
SEEDING, CLASS 2A WITH EXCELSIOR BLANKET	SQ YD	300	\$3.00	\$900.00
SEEDING, CLASS 3 WITH HEAVY DUTY PERMANENT BLANKET	SQ YD	4222	\$6.00	\$25,332.00
THERMOPLASTIC STRIPING	LSUM	1	\$5,000.00	\$5,000.00
TRAFFIC CONTROL	LSUM	1	\$20,000.00	\$20,000.00
CONSTRUCTION LAYOUT	LSUM	1	\$10,000.00	\$10,000.00

SUB TOTAL =	\$331,820.00
CONTINGENCY (20%) =	\$66,364.00
CONSTRUCTION TOTAL =	\$398,184.00
DESIGN ENGINEERING (7.5%) =	\$29,863.80
CONSTRUCTION OBSERVATION (7.5%) =	\$29,863.80
PERMITTING (5.0%) =	\$16,591.00
TOTAL PROJECT COST INCLUDING ENGINEERING =	\$474,502.60

NOTE: THIS ESTIMATE DOES NOT INCLUDE ROW ACQUISITION, TEMPORARY OR CONSTRUCTION EASEMENTS, OR RELOCATING ANY UTILITIES