

● Phase 1		Cost
○ FPDCC Hibbard Road Stormwater Storage Project	\$ 8,581,822.66	\$ 8,582,000
○ Duke Childs Soccer/Lacrosse Field Stormwater Storage Project	\$ 1,005,262.50	\$ 1,005,000
○ Winnetka Landfill Improvements - Soccer/Lacrosse Field Relocation	\$ 2,331,290.16	\$ 2,331,000
○ Ash Street Conveyance Project	\$ 5,106,719.87	\$ 5,107,000
○ Hibbard Road North Conveyance Project	\$ 6,552,893.26	\$ 6,553,000
Total	\$ 23,577,988.44	\$ 23,578,000
● Phase 2		Cost
○ Crow Island Woods South Stormwater Storage Project	\$ 1,840,630.28	\$ 1,841,000
○ Sunset Road East Conveyance Project	\$ 10,356,280.75	\$ 10,356,000
○ Sunset Road West Conveyance Project	\$ 2,821,064.86	\$ 2,821,000
○ Mount Pleasant Road Conveyance Project	\$ 1,362,214.70	\$ 1,362,000
Total	\$ 16,380,190.59	\$ 16,380,000
● Phase 3		Cost
○ Washburne-Skokie School Underground Stormwater Storage Project	\$ 1,381,479.69	\$ 1,381,000
○ Oak Street Conveyance Project	\$ 3,293,745.61	\$ 3,294,000
Total	\$ 4,675,225.30	\$ 4,675,000
● Phase 4		Cost
○ Provident Watershed Conveyance Project	\$ 2,930,283.45	\$ 2,930,000
○ Willow Road Conveyance Project	\$ 5,284,317.13	\$ 5,284,000
○ North of Pine Coveyance Project	\$ 2,407,744.56	\$ 2,408,000
○ Duke Childs Ball Fields/WPD Par-3 Golf Course Storage Project	\$ 2,461,439.06	\$ 2,461,000
Total	\$ 13,083,784.21	\$ 13,084,000
Project Total	\$ 57,717,188.54	\$ 57,717,000

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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
FPDCC Hibbard Road Stormwater Storage Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 4,047,950.00	\$ 202,397.50
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 4,047,950.00	\$ 40,479.50
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 4,047,950.00	\$ 20,239.75
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 4,047,950.00	\$ 40,479.50
	1.15	Site Sanitary Facilities	8.00	MTH	\$ 650.00	\$ 5,200.00
	1.16	Contractors Field Office	8.00	MTH	\$ 3,000.00	\$ 24,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 4,047,950.00	\$ 40,479.50
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 4,047,950.00	\$ 161,918.00
					SUBTOTAL	\$ 535,193.75

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	52.40	AC	\$ 5,000.00	\$ 262,000.00
	2.12	Topsoil stripping and stockpile	20,200.00	CY	\$ 5.00	\$ 101,000.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Unclassified Ex. (On-site re-use, berm const.)	173,800.00	CY	\$ 5.00	\$ 869,000.00
	2.21	Salvaged Topsoil Respread (6")	141,600.00	SY	\$ 5.00	\$ 708,000.00
						\$ -
					SUBTOTAL	\$ 1,940,000.00

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Wetland Plugs (10' buffer around open water, 12" o.c.)	93,300.00	EA	\$ 4.00	\$ 373,200.00
	3.12	Native Seed Mix 1 (Wet Sedge Meadow)	21.30	AC	\$ 8,000.00	\$ 170,400.00
	3.13	Native Seed Mix 2 (Upland Meadow)	34.60	AC	\$ 8,000.00	\$ 276,800.00
	3.14	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	23.30	AC	\$ 12,150.00	\$ 283,095.00
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	167,500.00	SY	\$ 2.00	\$ 335,000.00
	3.23	TRM - Coir Fiber (10' buffer around permanent pool)	9,015.00	SY	\$ 3.00	\$ 27,045.00
						\$ -
					SUBTOTAL	\$ 1,471,540.00

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Phase 1
FPDCC Hibbard Road Stormwater Storage Project

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	4.11	Gravel Trail Loop (4" thick x 10' wide)	81,410.00	SF	\$ 1.00	\$ 81,410.00
	4.12	Stone Riprap	500.00	SY	\$ 100.00	\$ 50,000.00
	4.13	Pedestrian Bridges (Prefabricated Steel, 14' wide, 40' span)	2.00	EA	\$ 80,000.00	\$ 160,000.00
	4.14	Pedestrian Bridges (Prefabricated Steel, 14' wide, 20' span)	1.00	EA	\$ 60,000.00	\$ 60,000.00
						\$ -
					SUBTOTAL	\$ 351,410.00

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
	5.11	Pump Station Modifications	1.00	LS	\$ 250,000.00	\$ 250,000.00
	5.12	Interpretive Signage	4.00	EA	\$ 5,000.00	\$ 20,000.00
	5.13	Entry/Directional Signage	1.00	LS	\$ 15,000.00	\$ 15,000.00
						\$ -
					SUBTOTAL	\$ 285,000.00

TOTAL	\$ 4,583,143.75
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 4,583,143.75	\$ 687,471.56
	6.12	Permitting (1%)	1%	LS	\$ 4,583,143.75	\$ 45,831.44
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 4,583,143.75	\$ 916,628.75
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 4,583,143.75	\$ 68,747.16
	6.15	Wetland Mitigation (1:1 ratio, on-site mitigation)	38	AC	\$ 60,000.00	\$ 2,280,000.00
					SUBTOTAL	\$ 3,998,678.91

TOTAL	\$ 8,581,822.66
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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Duke Childs Soccer/Lacrosse Field Stormwater Storage Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 630,400.00	\$ 31,520.00
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 630,400.00	\$ 6,304.00
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 630,400.00	\$ 3,152.00
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 630,400.00	\$ 6,304.00
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 630,400.00	\$ 6,304.00
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 630,400.00	\$ 25,216.00
					SUBTOTAL	\$ 100,700.00

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	-	AC	\$ 5,000.00	\$ -
	2.12	Topsoil stripping and stockpile	7,100.00	CY	\$ 5.00	\$ 35,500.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Unclassified Ex. (Off-site re-use, Landfill)	40,000.00	CY	\$ 10.00	\$ 400,000.00
	2.22	Salvaged Topsoil Respread (6")	16,000.00	SY	\$ 5.00	\$ 80,000.00
						\$ -
					SUBTOTAL	\$ 515,500.00

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Wetland Plugs (10' buffer around open water, 12" o.c.)	10,000.00	EA	\$ 4.00	\$ 40,000.00
	3.12	Native Seed Mix 1 (Wet Sedge Meadow)	0.50	AC	\$ 8,000.00	\$ 4,000.00
	3.13	Native Seed Mix 2 (Upland Meadow)	1.75	AC	\$ 8,000.00	\$ 14,000.00
	3.14	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	-	AC	\$ 12,150.00	\$ -
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	8,300.00	SY	\$ 2.00	\$ 16,600.00
	3.23	TRM - Coir Fiber (10' buffer around permanent pool)	2,000.00	SY	\$ 3.00	\$ 6,000.00
					SUBTOTAL	\$ 86,600.00

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	4.11	Gravel Trail Loop (4" thick x 10' wide)	23,300.00	SF	\$ 1.00	\$ 23,300.00
	4.12	Stone Riprap	50.00	SY	\$ 100.00	\$ 5,000.00
						\$ -
					SUBTOTAL	\$ 28,300.00

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Phase 1
Duke Childs Soccer/Lacrosse Field Stormwater Storage Project

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
						\$ -
					SUBTOTAL	\$ -

TOTAL	\$ 731,100.00
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 731,100.00	\$ 109,665.00
	6.12	Permitting (1%)	1%	LS	\$ 731,100.00	\$ 7,311.00
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 731,100.00	\$ 146,220.00
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 731,100.00	\$ 10,966.50
					SUBTOTAL	\$ 274,162.50

TOTAL	\$ 1,005,262.50
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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Winnetka Landfill Improvements - Soccer/Lacrosse Field Relocation

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 1,487,630.00	\$ 74,381.50
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 1,487,630.00	\$ 14,876.30
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 1,487,630.00	\$ 7,438.15
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 1,487,630.00	\$ 14,876.30
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 1,487,630.00	\$ 14,876.30
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 1,487,630.00	\$ 59,505.20
					SUBTOTAL	\$ 207,853.75

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	3.50	AC	\$ 5,000.00	\$ 17,500.00
	2.12	Topsoil stripping and stockpile	21,000.00	CY	\$ 5.00	\$ 105,000.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Embankment Fill - Borrow	148,600.00	CY	\$ 2.00	\$ 297,200.00
	2.21	Salvaged Topsoil Respread (6")	62,600.00	SY	\$ 5.00	\$ 313,000.00
						\$ -
					SUBTOTAL	\$ 732,700.00

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Turf Grass Seeding	4.82	AC	\$ 5,000.00	\$ 24,100.00
	3.12	Native Seed Mix 2 (Upland Meadow)	12.00	AC	\$ 8,000.00	\$ 96,000.00
	3.13	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	5.00	AC	\$ 12,150.00	\$ 60,750.00
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	58,100.00	SY	\$ 2.00	\$ 116,200.00
					SUBTOTAL	\$ 303,050.00

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	4.11	Aggregate Base Installation (12" CA-6)	14,000.00	SY	\$ 14.25	\$ 199,500.00
	4.12	Bituminous Binder Course (4")	1,326.00	TON	\$ 85.00	\$ 112,710.00
	4.13	Bituminous Surface Course IL-19, N50 (2")	663.00	TON	\$ 90.00	\$ 59,670.00
						\$ -
					SUBTOTAL	\$ 371,880.00

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West and Southwest Winnetka Stormwater Management Study
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ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1

Winnetka Landfill Improvements - Soccer/Lacrosse Field Relocation

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
	5.11	Gas Vent Relocation	4.00	EA	\$ 15,000.00	\$ 60,000.00
	5.12	Groundwater Well Extensions (12" dia. Casing)	10.00	EA	\$ 2,000.00	\$ 20,000.00
						\$ -
					SUBTOTAL	\$ 80,000.00

TOTAL	\$ 1,695,483.75
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 1,695,483.75	\$ 254,322.56
	6.12	Permitting (1%)	1%	LS	\$ 1,695,483.75	\$ 16,954.84
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 1,695,483.75	\$ 339,096.75
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 1,695,483.75	\$ 25,432.26
					SUBTOTAL	\$ 635,806.41

TOTAL	\$ 2,331,290.16
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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Ash Street Conveyance Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 2,968,907.73	\$ 148,445.39
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 2,968,907.73	\$ 89,067.23
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 2,968,907.73	\$ 29,689.08
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 2,968,907.73	\$ 59,378.15
	1.15	Site Sanitary Facilities	5.00	MTH	\$ 650.00	\$ 3,250.00
	1.16	Contractors Field Office	5.00	MTH	\$ 3,000.00	\$ 15,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 2,968,907.73	\$ 29,689.08
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 2,968,907.73	\$ 118,756.31
					SUBTOTAL	\$ 493,275.24

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	4,564.00	LF	\$ 2.25	\$ 10,269.00
	2.12	Bituminous Surface Removal - 3"	1,884.15	SY	\$ 4.15	\$ 7,819.21
	2.13	Aggregate Base Course Removal - 12"	745.89	CY	\$ 30.00	\$ 22,376.71
	2.14	PCC Curb Removal	909.06	LF	\$ 3.25	\$ 2,954.45
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 75.00	\$ -
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	1,723.00	LF	\$ 250.00	\$ 430,750.00
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	237.00	LF	\$ 300.00	\$ 71,100.00
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	739.00	LF	\$ 400.00	\$ 295,600.00
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	840.00	LF	\$ 672.00	\$ 564,480.00
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	10.00	EA	\$ 10,000.00	\$ 100,000.00
	2.41	High Capacity Inlets	16.00	EA	\$ 6,500.00	\$ 104,000.00
	2.42	Trench Backfill (CA-7)	1,763.06	CY	\$ 54.65	\$ 96,351.02
	2.43	Spoil Removal (Win. Landfill)	9,285.60	CY	\$ 10.00	\$ 92,856.00
					SUBTOTAL	\$ 1,798,556.39

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Phase 1
 Ash Street Conveyance Project

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	2,237.67	SY	\$ 14.25	\$ 31,886.81
	3.12	Bituminous Binder Course (4")	452.20	TON	\$ 85.00	\$ 38,436.61
	3.13	Bituminous Surface Course IL-19, N50 (2")	226.10	TON	\$ 90.00	\$ 20,348.80
	3.14	B6.12 Curb & Gutter	909.06	LF	\$ 20.00	\$ 18,181.20
	3.15	Sidewalk Including Aggregate	2,495.00	SF	\$ 5.25	\$ 13,098.75
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	42.00	LS	\$ 6,000.00	\$ 252,000.00
	3.22	Parkway Seed and Blanket	3,029.92	SY	\$ 10.00	\$ 30,299.17
	3.23	Parkway Bioretention Basins (50' Long TYP)	11.00	EA	\$ 11,300.00	\$ 124,300.00
	3.24	Tree Removal and Replacement	50.00	EA	\$ 1,000.00	\$ 50,000.00
					SUBTOTAL	\$ 578,551.34

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	1,515.00	LF	\$ 150.00	\$ 227,250.00
	4.12	Water Service Leads	56.00	EA	\$ 2,500.00	\$ 140,000.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	2.00	EA	\$ 5,000.00	\$ 10,000.00
	4.14	8" Gate Valve in 48" Dia. Vault	4.00	EA	\$ 4,500.00	\$ 18,000.00
	4.15	Perpendicular Water Crossings	3.00	EA	\$ 2,000.00	\$ 6,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	760.00	LF	\$ 20.00	\$ 15,200.00
	4.23	Storm Sewer Manhole 4' Allowance	10.00	EA	\$ 2,500.00	\$ 25,000.00
	4.24	Catch Basin/Inlet Leads	20.00	EA	\$ 2,000.00	\$ 40,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	669.00	LF	\$ 150.00	\$ 100,350.00
	4.32	San. MH 4' Allowance	4.00	EA	\$ 2,500.00	\$ 10,000.00
					SUBTOTAL	\$ 591,800.00

TOTAL	\$ 3,462,182.96
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5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 3,462,182.96	\$ 519,327.44
	5.12	Permitting (1%)	1%	LS	\$ 3,462,182.96	\$ 34,621.83
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 3,462,182.96	\$ 1,038,654.89
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 3,462,182.96	\$ 51,932.74
					SUBTOTAL	\$ 1,644,536.91

TOTAL	\$ 5,106,719.87
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West and Southwest Winnetka Stormwater Management Study
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ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Hibbard Road North Conveyance Project - Hibbard Road

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 2,819,710.79	\$ 140,985.54
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 2,819,710.79	\$ 84,591.32
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 2,819,710.79	\$ 28,197.11
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 2,819,710.79	\$ 56,394.22
	1.15	Site Sanitary Facilities	4.00	MTH	\$ 650.00	\$ 2,600.00
	1.16	Contractors Field Office	4.00	MTH	\$ 3,000.00	\$ 12,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 2,819,710.79	\$ 28,197.11
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 2,819,710.79	\$ 112,788.43
					SUBTOTAL	\$ 465,753.73

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	1,940.00	LF	\$ 2.25	\$ 4,365.00
	2.12	Bituminous Surface Removal - 3"	1,024.54	SY	\$ 4.15	\$ 4,251.83
	2.13	Aggregate Base Course Removal - 12"	423.77	CY	\$ 30.00	\$ 12,713.16
	2.14	PCC Curb Removal	1,769.00	LF	\$ 3.25	\$ 5,749.25
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 75.00	\$ -
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	307.00	LF	\$ 125.00	\$ 38,375.00
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	276.00	LF	\$ 300.00	\$ 82,800.00
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	468.00	LF	\$ 784.00	\$ 366,912.00
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	1,180.00	LF	\$ 1,155.00	\$ 1,362,900.00
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	244.00	LF	\$ 1,225.00	\$ 298,900.00
	2.40	Storm Manhole	10.00	EA	\$ 10,000.00	\$ 100,000.00
	2.41	High Capacity Inlets	6.00	EA	\$ 6,500.00	\$ 39,000.00
	2.42	Trench Backfill (CA-7)	1,231.98	CY	\$ 54.65	\$ 67,327.44
	2.43	Spoil Removal (Win. Landfill)	10,176.90	CY	\$ 10.00	\$ 101,768.96
					SUBTOTAL	\$ 2,485,062.64

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
 Hibbard Road North Conveyance Project - Hibbard Road

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	423.77	SY	\$ 14.25	\$ 6,038.75
	3.12	Bituminous Binder Course (4")	245.89	TON	\$ 85.00	\$ 20,900.57
	3.13	Bituminous Surface Course IL-19, N50 (2")	122.94	TON	\$ 90.00	\$ 11,065.01
	3.14	B6.12 Curb & Gutter	1,769.00	LF	\$ 20.00	\$ 35,380.00
	3.15	Sidewalk Including Aggregate	2,375.00	SF	\$ 5.25	\$ 12,468.75
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	5.00	LS	\$ 6,000.00	\$ 30,000.00
	3.22	Parkway Seed and Blanket	591.51	SY	\$ 10.00	\$ 5,915.08
	3.23	Parkway Bioretention Basins (50' Long TYP)	5.00	EA	\$ 11,300.00	\$ 56,500.00
	3.24	Tree Removal and Replacement	4.00	EA	\$ 1,000.00	\$ 4,000.00
					SUBTOTAL	\$ 182,268.16

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	13.00	EA	\$ 2,500.00	\$ 32,500.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	4.00	EA	\$ 4,500.00	\$ 18,000.00
	4.15	Perpendicular Water Crossings	7.00	EA	\$ 2,000.00	\$ 14,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	1,794.00	LF	\$ 20.00	\$ 35,880.00
	4.23	Storm Sewer Manhole 4' Allowance	8.00	EA	\$ 2,500.00	\$ 20,000.00
	4.24	Catch Basin/Inlet Leads	16.00	EA	\$ 2,000.00	\$ 32,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 152,380.00

TOTAL \$ 3,285,464.52

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 3,285,464.52	\$ 492,819.68
	5.12	Permitting (1%)	1%	LS	\$ 3,285,464.52	\$ 32,854.65
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 3,285,464.52	\$ 985,639.36
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 3,285,464.52	\$ 49,281.97
					SUBTOTAL	\$ 1,560,595.65

TOTAL \$ 4,846,060.17

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Hibbard Road North Conveyance Project - Spruce Street

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 139,958.55	\$ 6,997.93
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 139,958.55	\$ 4,198.76
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 139,958.55	\$ 1,399.59
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 139,958.55	\$ 2,799.17
	1.15	Site Sanitary Facilities	3.00	MTH	\$ 650.00	\$ 1,950.00
	1.16	Contractors Field Office	3.00	MTH	\$ 3,000.00	\$ 9,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 139,958.55	\$ 1,399.59
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 139,958.55	\$ 5,598.34
					SUBTOTAL	\$ 33,343.37

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	154.00	LF	\$ 2.25	\$ 346.50
	2.12	Bituminous Surface Removal - 3"	50.50	SY	\$ 4.15	\$ 209.56
	2.13	Aggregate Base Course Removal - 12"	49.53	CY	\$ 30.00	\$ 1,486.02
	2.14	PCC Curb Removal	350.00	LF	\$ 3.25	\$ 1,137.50
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	443.00	LF	\$ 75.00	\$ 33,225.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	-	EA	\$ 10,000.00	\$ -
	2.41	High Capacity Inlets	2.00	EA	\$ 6,500.00	\$ 13,000.00
	2.42	Trench Backfill (CA-7)	174.90	CY	\$ 54.65	\$ 9,558.45
	2.43	Spoil Removal (Win. Landfill)	508.83	CY	\$ 10.00	\$ 5,088.32
					SUBTOTAL	\$ 64,051.34

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Hibbard Road North Conveyance Project - Spruce Street

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	148.60	SY	\$ 14.25	\$ 2,117.58
	3.12	Bituminous Binder Course (4")	12.12	TON	\$ 85.00	\$ 1,030.11
	3.13	Bituminous Surface Course IL-19, N50 (2")	6.06	TON	\$ 90.00	\$ 545.35
	3.14	B6.12 Curb & Gutter	350.00	LF	\$ 20.00	\$ 7,000.00
	3.15	Sidewalk Including Aggregate	1,590.00	SF	\$ 5.25	\$ 8,347.50
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	-	LS	\$ 6,000.00	\$ -
	3.22	Parkway Seed and Blanket	176.67	SY	\$ 10.00	\$ 1,766.67
	3.23	Parkway Bioretention Basins (50' Long TYP)	2.00	EA	\$ 11,300.00	\$ 22,600.00
	3.24	Tree Removal and Replacement	4.00	EA	\$ 1,000.00	\$ 4,000.00
					SUBTOTAL	\$ 47,407.21

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	-	EA	\$ 2,500.00	\$ -
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	1.00	EA	\$ 5,000.00	\$ 5,000.00
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	4.00	EA	\$ 2,000.00	\$ 8,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	-	LF	\$ 20.00	\$ -
	4.23	Storm Sewer Manhole 4' Allowance	3.00	EA	\$ 2,500.00	\$ 7,500.00
	4.24	Catch Basin/Inlet Leads	4.00	EA	\$ 2,000.00	\$ 8,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 28,500.00

TOTAL \$ 173,301.92

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 173,301.92	\$ 25,995.29
	5.12	Permitting (1%)	1%	LS	\$ 173,301.92	\$ 1,733.02
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 173,301.92	\$ 51,990.58
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 173,301.92	\$ 2,599.53
					SUBTOTAL	\$ 82,318.41

TOTAL \$ 255,620.33

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Hibbard Road North Conveyance Project - Oak Street Phase 1

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 829,287.12	\$ 41,464.36
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 829,287.12	\$ 24,878.61
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 829,287.12	\$ 8,292.87
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 829,287.12	\$ 16,585.74
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 829,287.12	\$ 8,292.87
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 829,287.12	\$ 33,171.48
					SUBTOTAL	\$ 154,585.94

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	750.00	LF	\$ 2.25	\$ 1,687.50
	2.12	Bituminous Surface Removal - 3"	506.67	SY	\$ 4.15	\$ 2,102.67
	2.13	Aggregate Base Course Removal - 12"	239.26	CY	\$ 30.00	\$ 7,177.78
	2.14	PCC Curb Removal	737.00	LF	\$ 3.25	\$ 2,395.25
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 75.00	\$ -
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	826.00	LF	\$ 784.00	\$ 647,584.00
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	3.00	EA	\$ 10,000.00	\$ 30,000.00
	2.41	High Capacity Inlets	2.00	EA	\$ 6,500.00	\$ 13,000.00
	2.42	Trench Backfill (CA-7)	188.60	CY	\$ 54.65	\$ 10,307.17
	2.43	Spoil Removal (Win. Landfill)	2,738.70	CY	\$ 10.00	\$ 27,386.98
					SUBTOTAL	\$ 741,641.34

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1
Hibbard Road North Conveyance Project - Oak Street Phase 1

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	717.78	SY	\$ 14.25	\$ 10,228.33
	3.12	Bituminous Binder Course (4")	121.60	TON	\$ 85.00	\$ 10,336.00
	3.13	Bituminous Surface Course IL-19, N50 (2")	60.80	TON	\$ 90.00	\$ 5,472.00
	3.14	B6.12 Curb & Gutter	737.00	LF	\$ 20.00	\$ 14,740.00
	3.15	Sidewalk Including Aggregate	71.65	SF	\$ 5.25	\$ 376.16
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	-	LS	\$ 6,000.00	\$ -
	3.22	Parkway Seed and Blanket	589.33	SY	\$ 10.00	\$ 5,893.28
	3.23	Parkway Bioretention Basins (50' Long TYP)	2.00	EA	\$ 11,300.00	\$ 22,600.00
	3.24	Tree Removal and Replacement	10.00	EA	\$ 500.00	\$ 5,000.00
					SUBTOTAL	\$ 74,645.77

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads		EA	\$ 2,500.00	\$ -
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve		EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault		EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings		EA	\$ 2,000.00	\$ -
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	-	LF	\$ 20.00	\$ -
	4.23	Storm Sewer Manhole 4' Allowance	2.00	EA	\$ 2,500.00	\$ 5,000.00
	4.24	Catch Basin/Inlet Leads	4.00	EA	\$ 2,000.00	\$ 8,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 13,000.00

TOTAL \$	983,873.06
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5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 983,873.06	\$ 147,580.96
	5.12	Permitting (1%)	1%	LS	\$ 983,873.06	\$ 9,838.73
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 983,873.06	\$ 295,161.92
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 983,873.06	\$ 14,758.10
					SUBTOTAL	\$ 467,339.70

TOTAL \$	1,451,212.76
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6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Crow Island Woods South Stormwater Storage Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 1,170,435.73	\$ 58,521.79
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 1,170,435.73	\$ 11,704.36
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 1,170,435.73	\$ 5,852.18
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 1,170,435.73	\$ 11,704.36
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 1,170,435.73	\$ 11,704.36
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 1,170,435.73	\$ 46,817.43
					SUBTOTAL	\$ 168,204.47

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	10.56	AC	\$ 5,000.00	\$ 52,800.73
	2.12	Topsoil stripping and stockpile	8,600.00	CY	\$ 5.00	\$ 43,000.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Unclassified Ex. (On-site re-use, berm const.)	23,000.00	CY	\$ 5.00	\$ 115,000.00
	2.22	Unclassified Ex. (Off-site re-use, Landfill)	22,000.00	CY	\$ 10.00	\$ 220,000.00
	2.23	Salvaged Topsoil Respread (6")	38,800.00	SY	\$ 5.00	\$ 194,000.00
						\$ -
					SUBTOTAL	\$ 624,800.73

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Wetland Plugs (10' buffer around open water, 12" o.c.)	30,000.00	EA	\$ 4.00	\$ 120,000.00
	3.12	Native Seed Mix 1 (Wet Sedge Meadow)	1.80	AC	\$ 8,000.00	\$ 14,400.00
	3.13	Native Seed Mix 2 (Upland Meadow)	6.30	AC	\$ 8,000.00	\$ 50,400.00
	3.14	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	4.90	AC	\$ 12,150.00	\$ 59,535.00
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	30,000.00	SY	\$ 2.00	\$ 60,000.00
	3.23	TRM - Coir Fiber (10' buffer around permanent pool)	8,800.00	SY	\$ 3.00	\$ 26,400.00
						\$ -
					SUBTOTAL	\$ 336,735.00

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	4.11	Gravel Trail Loop (4" thick x 10' wide)	23,300.00	SF	\$ 1.00	\$ 23,300.00
	4.12	Stone Riprap	300.00	SY	\$ 100.00	\$ 30,000.00
	4.13	Pedestrian Bridges (Prefabricated Steel, 14' wide, 20' span)	2.00	EA	\$ 60,000.00	\$ 120,000.00
						\$ -
						\$ -
					SUBTOTAL	\$ 173,300.00

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Crow Island Woods South Stormwater Storage Project

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
	5.11	Interpretive Signage	4.00	EA	\$ 5,000.00	\$ 20,000.00
	5.12	Temporary Road (12" CA-6, 18' wide)	1,040.00	SY	\$ 15.00	\$ 15,600.00
						\$ -
					SUBTOTAL	\$ 35,600.00

TOTAL	\$ 1,338,640.20
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 1,338,640.20	\$ 200,796.03
	6.12	Permitting (1%)	1%	LS	\$ 1,338,640.20	\$ 13,386.40
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 1,338,640.20	\$ 267,728.04
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 1,338,640.20	\$ 20,079.60
					SUBTOTAL	\$ 501,990.08

TOTAL	\$ 1,840,630.28
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6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East Conveyance Project - Sunset Road

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 3,226,064.15	\$ 161,303.21
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 3,226,064.15	\$ 96,781.92
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 3,226,064.15	\$ 32,260.64
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 3,226,064.15	\$ 64,521.28
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 3,226,064.15	\$ 32,260.64
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 3,226,064.15	\$ 129,042.57
					SUBTOTAL	\$ 538,070.26

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	1,460.00	LF	\$ 2.25	\$ 3,285.00
	2.12	Bituminous Surface Removal - 3"	3,637.69	SY	\$ 4.15	\$ 15,096.41
	2.13	Aggregate Base Course Removal - 12"	1,355.16	CY	\$ 30.00	\$ 40,654.67
	2.14	PCC Curb Removal	1,100.00	LF	\$ 3.25	\$ 3,575.00
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 75.00	\$ -
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	1,160.00	LF	\$ 300.00	\$ 348,000.00
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	1,584.00	LF	\$ 1,225.00	\$ 1,940,400.00
	2.40	Storm Manhole	6.00	EA	\$ 10,000.00	\$ 60,000.00
	2.41	High Capacity Inlets	4.00	EA	\$ 6,500.00	\$ 26,000.00
	2.42	Trench Backfill (CA-7)	933.95	CY	\$ 54.65	\$ 51,040.45
	2.43	Spoil Removal (Win. Landfill)	10,514.66	CY	\$ 10.00	\$ 105,146.58
					SUBTOTAL	\$ 2,593,198.11

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East Conveyance Project - Sunset Road

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	4,065.47	SY	\$ 14.25	\$ 57,932.90
	3.12	Bituminous Binder Course (4")	873.05	TON	\$ 85.00	\$ 74,208.85
	3.13	Bituminous Surface Course IL-19, N50 (2")	436.52	TON	\$ 90.00	\$ 39,287.04
	3.14	B6.12 Curb & Gutter	1,100.00	LF	\$ 20.00	\$ 22,000.00
	3.15	Sidewalk Including Aggregate	-	SF	\$ 5.25	\$ -
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	13.00	LS	\$ 6,000.00	\$ 78,000.00
	3.22	Parkway Seed and Blanket	768.73	SY	\$ 10.00	\$ 7,687.25
	3.23	Parkway Bioretention Basins (50' Long TYP)	8.00	EA	\$ 11,300.00	\$ 90,400.00
	3.24	Tree Removal and Replacement	50.00	EA	\$ 1,000.00	\$ 50,000.00
					SUBTOTAL	\$ 419,516.04

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	14.00	EA	\$ 2,500.00	\$ 35,000.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	2.00	EA	\$ 4,500.00	\$ 9,000.00
	4.15	Perpendicular Water Crossings	5.00	EA	\$ 2,000.00	\$ 10,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	1,455.00	LF	\$ 20.00	\$ 29,100.00
	4.23	Storm Sewer Manhole 4' Allowance	5.00	EA	\$ 2,500.00	\$ 12,500.00
	4.24	Catch Basin/Inlet Leads	10.00	EA	\$ 2,000.00	\$ 20,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	585.00	LF	\$ 150.00	\$ 87,750.00
	4.32	San. MH 4' Allowance	4.00	EA	\$ 2,500.00	\$ 10,000.00
					SUBTOTAL	\$ 213,350.00

TOTAL \$ 3,764,134.41

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 3,764,134.41	\$ 564,620.16
	5.12	Permitting (1%)	1%	LS	\$ 3,764,134.41	\$ 37,641.34
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 3,764,134.41	\$ 1,129,240.32
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 3,764,134.41	\$ 56,462.02
					SUBTOTAL	\$ 1,787,963.85

TOTAL \$ 5,552,098.26

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East Conveyance Project - Dewindt Road

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 268,965.46	\$ 13,448.27
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 268,965.46	\$ 8,068.96
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 268,965.46	\$ 2,689.65
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 268,965.46	\$ 5,379.31
	1.15	Site Sanitary Facilities	3.00	MTH	\$ 650.00	\$ 1,950.00
	1.16	Contractors Field Office	3.00	MTH	\$ 3,000.00	\$ 9,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 268,965.46	\$ 2,689.65
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 268,965.46	\$ 10,758.62
					SUBTOTAL	\$ 53,984.47

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	1,418.00	LF	\$ 2.25	\$ 3,190.50
	2.12	Bituminous Surface Removal - 3"	611.37	SY	\$ 4.15	\$ 2,537.20
	2.13	Aggregate Base Course Removal - 12"	203.79	CY	\$ 30.00	\$ 6,113.74
	2.14	PCC Curb Removal	-	LF	\$ 3.25	\$ -
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	329.00	LF	\$ 75.00	\$ 24,675.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	240.00	LF	\$ 100.00	\$ 24,000.00
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	402.00	LF	\$ 125.00	\$ 50,250.00
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	-	EA	\$ 10,000.00	\$ -
	2.41	High Capacity Inlets	-	EA	\$ 6,500.00	\$ -
	2.42	Trench Backfill (CA-7)	102.11	CY	\$ 54.65	\$ 5,580.53
	2.43	Spoil Removal (Win. Landfill)	1,375.71	CY	\$ 10.00	\$ 13,757.07
					SUBTOTAL	\$ 130,104.05

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East Conveyance Project - Dewindt Road

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	611.37	SY	\$ 14.25	\$ 8,712.09
	3.12	Bituminous Binder Course (4")	146.73	TON	\$ 85.00	\$ 12,472.04
	3.13	Bituminous Surface Course IL-19, N50 (2")	73.36	TON	\$ 90.00	\$ 6,602.84
	3.14	B6.12 Curb & Gutter	-	LF	\$ 20.00	\$ -
	3.15	Sidewalk Including Aggregate	-	SF	\$ 5.25	\$ -
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	4.00	LS	\$ 6,000.00	\$ 24,000.00
	3.22	Parkway Seed and Blanket	247.44	SY	\$ 10.00	\$ 2,474.44
	3.23	Parkway Bioretention Basins (50' Long TYP)	2.00	EA	\$ 11,300.00	\$ 22,600.00
	3.24	Tree Removal and Replacement	20.00	EA	\$ 1,000.00	\$ 20,000.00
					SUBTOTAL	\$ 96,861.41

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	4.00	EA	\$ 2,500.00	\$ 10,000.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	3.00	EA	\$ 2,000.00	\$ 6,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	-	LF	\$ 20.00	\$ -
	4.23	Storm Sewer Manhole 4' Allowance	4.00	EA	\$ 2,500.00	\$ 10,000.00
	4.24	Catch Basin/Inlet Leads	8.00	EA	\$ 2,000.00	\$ 16,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 42,000.00

TOTAL \$ 322,949.94

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 322,949.94	\$ 48,442.49
	5.12	Permitting (1%)	1%	LS	\$ 322,949.94	\$ 3,229.50
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 322,949.94	\$ 96,884.98
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 322,949.94	\$ 4,844.25
					SUBTOTAL	\$ 153,401.22

TOTAL \$ 476,351.16

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East conveyance Project - Winnetka Road

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 212,323.81	\$ 10,616.19
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 212,323.81	\$ 6,369.71
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 212,323.81	\$ 2,123.24
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 212,323.81	\$ 4,246.48
	1.15	Site Sanitary Facilities	3.00	MTH	\$ 650.00	\$ 1,950.00
	1.16	Contractors Field Office	3.00	MTH	\$ 3,000.00	\$ 9,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (3.5% Hard Costs)	3.50%	LS	\$ 212,323.81	\$ 7,431.33
	1.22	GC Overhead/Management (6% Hard Costs)	6.00%	LS	\$ 212,323.81	\$ 12,739.43
					SUBTOTAL	\$ 54,476.38

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	588.00	LF	\$ 2.25	\$ 1,323.00
	2.12	Bituminous Surface Removal - 3"	247.25	SY	\$ 4.15	\$ 1,026.07
	2.13	Aggregate Base Course Removal - 12"	85.72	CY	\$ 30.00	\$ 2,571.63
	2.14	PCC Curb Removal	25.50	LF	\$ 3.25	\$ 82.88
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	234.00	LF	\$ 75.00	\$ 17,550.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	263.00	LF	\$ 125.00	\$ 32,875.00
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	3.00	EA	\$ 10,000.00	\$ 30,000.00
	2.41	High Capacity Inlets	-	EA	\$ 6,500.00	\$ -
	2.42	Trench Backfill (CA-7)	45.20	CY	\$ 54.65	\$ 2,470.04
	2.43	Spoil Removal (Win. Landfill)	674.91	CY	\$ 10.00	\$ 6,749.09
					SUBTOTAL	\$ 94,647.72

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East conveyance Project - Winnetka Road

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	257.16	SY	\$ 14.25	\$ 3,664.58
	3.12	Bituminous Binder Course (4")	59.34	TON	\$ 85.00	\$ 5,043.83
	3.13	Bituminous Surface Course IL-19, N50 (2")	29.67	TON	\$ 90.00	\$ 2,670.26
	3.14	B6.12 Curb & Gutter	25.50	LF	\$ 20.00	\$ 510.00
	3.15	Sidewalk Including Aggregate	1,325.00	SF	\$ 5.25	\$ 6,956.25
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	2.00	LS	\$ 6,000.00	\$ 12,000.00
	3.22	Parkway Seed and Blanket	99.12	SY	\$ 10.00	\$ 991.17
	3.23	Parkway Bioretention Basins (50' Long TYP)	3.00	EA	\$ 11,300.00	\$ 33,900.00
	3.24	Tree Removal and Replacement	15.00	EA	\$ 1,000.00	\$ 15,000.00
					SUBTOTAL	\$ 80,736.09

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	-	EA	\$ 2,500.00	\$ -
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	2.00	EA	\$ 2,000.00	\$ 4,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	497.00	LF	\$ 20.00	\$ 9,940.00
	4.23	Storm Sewer Manhole 4' Allowance	2.00	EA	\$ 2,500.00	\$ 5,000.00
	4.24	Catch Basin/Inlet Leads	9.00	EA	\$ 2,000.00	\$ 18,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 36,940.00

TOTAL \$	266,800.19
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5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 266,800.19	\$ 40,020.03
	5.12	Permitting (1%)	1%	LS	\$ 266,800.19	\$ 2,668.00
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 266,800.19	\$ 80,040.06
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 266,800.19	\$ 4,002.00
					SUBTOTAL	\$ 126,730.09

TOTAL \$	393,530.28
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6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East conveyance Project - Skokie Ditch

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 2,195,371.57	\$ 109,768.58
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 2,195,371.57	\$ 65,861.15
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 2,195,371.57	\$ 21,953.72
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 2,195,371.57	\$ 43,907.43
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (3.5% Hard Costs)	3.50%	LS	\$ 2,195,371.57	\$ 76,838.01
	1.22	GC Overhead/Management (6% Hard Costs)	6.00%	LS	\$ 2,195,371.57	\$ 131,722.29
					SUBTOTAL	\$ 471,951.17

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	370.00	LF	\$ 2.25	\$ 832.50
	2.12	Bituminous Surface Removal - 3"	2,568.92	SY	\$ 4.15	\$ 10,661.02
	2.13	Aggregate Base Course Removal - 12"	856.31	CY	\$ 30.00	\$ 25,689.22
	2.14	PCC Curb Removal	-	LF	\$ 3.25	\$ -
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	169.00	LF	\$ 75.00	\$ 12,675.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	721.00	LF	\$ 1,225.00	\$ 883,225.00
	2.40	Storm Manhole	4.00	EA	\$ 10,000.00	\$ 40,000.00
	2.41	High Capacity Inlets	-	EA	\$ 6,500.00	\$ -
	2.42	Trench Backfill (CA-7)	365.97	CY	\$ 54.65	\$ 20,000.35
	2.43	Spoil Removal (Win. Landfill)	6,035.78	CY	\$ 10.00	\$ 60,357.77
					SUBTOTAL	\$ 1,053,440.86

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Sunset Road East conveyance Project - Skokie Ditch

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	2,568.92	SY	\$ 14.25	\$ 36,607.13
	3.12	Bituminous Binder Course (4")	616.54	TON	\$ 85.00	\$ 52,406.00
	3.13	Bituminous Surface Course IL-19, N50 (2")	308.27	TON	\$ 90.00	\$ 27,744.35
	3.14	B6.12 Curb & Gutter	-	LF	\$ 20.00	\$ -
	3.15	Sidewalk Including Aggregate	-	SF	\$ 5.25	\$ -
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	5.00	LS	\$ 6,000.00	\$ 30,000.00
	3.22	Parkway Seed and Blanket	533.32	SY	\$ 10.00	\$ 5,333.22
	3.23	Tree Removal and Replacement	25.00	EA	\$ 500.00	\$ 12,500.00
	3.24	Parkway Bioretention Basins (50' Long TYP)	5.00	EA	\$ 11,300.00	\$ 56,500.00
	3.25	Skokie Ditch Restoration	839.00	LF	\$ 1,000.00	\$ 839,000.00
					SUBTOTAL	\$ 1,060,090.71

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	324.00	LF	\$ 150.00	\$ 48,600.00
	4.12	Water Service Leads	-	EA	\$ 2,500.00	\$ -
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	3.00	EA	\$ 2,000.00	\$ 6,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	712.00	LF	\$ 20.00	\$ 14,240.00
	4.23	Storm Sewer Manhole 4' Allowance	2.00	EA	\$ 2,500.00	\$ 5,000.00
	4.24	Catch Basin/Inlet Leads	4.00	EA	\$ 2,000.00	\$ 8,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 81,840.00

TOTAL \$ 2,667,322.75

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 2,667,322.75	\$ 400,098.41
	5.12	Permitting (1%)	1%	LS	\$ 2,667,322.75	\$ 26,673.23
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 2,667,322.75	\$ 800,196.82
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 2,667,322.75	\$ 40,009.84
					SUBTOTAL	\$ 1,266,978.31

TOTAL \$ 3,934,301.05

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Mount Pleasant Road Conveyance Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 786,711.54	\$ 39,335.58
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 786,711.54	\$ 23,601.35
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 786,711.54	\$ 7,867.12
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 786,711.54	\$ 15,734.23
	1.15	Site Sanitary Facilities	3.00	MTH	\$ 650.00	\$ 1,950.00
	1.16	Contractors Field Office	3.00	MTH	\$ 3,000.00	\$ 9,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 786,711.54	\$ 7,867.12
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 786,711.54	\$ 31,468.46
					SUBTOTAL	\$ 136,823.85

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	1,360.00	LF	\$ 2.25	\$ 3,060.00
	2.12	Bituminous Surface Removal - 3"	1,067.95	SY	\$ 4.15	\$ 4,432.01
	2.13	Aggregate Base Course Removal - 12"	451.00	CY	\$ 30.00	\$ 13,530.09
	2.14	PCC Curb Removal	733.00	LF	\$ 3.25	\$ 2,382.25
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 75.00	\$ -
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	1,140.00	LF	\$ 300.00	\$ 342,000.00
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	8.00	EA	\$ 10,000.00	\$ 80,000.00
	2.41	High Capacity Inlets	4.00	EA	\$ 6,500.00	\$ 26,000.00
	2.42	Trench Backfill (CA-7)	341.75	CY	\$ 54.65	\$ 18,676.84
	2.43	Spoil Removal (Win. Landfill)	3,046.75	CY	\$ 10.00	\$ 30,467.48
					SUBTOTAL	\$ 520,548.67

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 2
Mount Pleasant Road Conveyance Project

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	1,353.01	SY	\$ 14.25	\$ 19,280.38
	3.12	Bituminous Binder Course (4")	256.31	TON	\$ 85.00	\$ 21,786.25
	3.13	Bituminous Surface Course IL-19, N50 (2")	128.15	TON	\$ 90.00	\$ 11,533.90
	3.14	B6.12 Curb & Gutter	733.00	LF	\$ 20.00	\$ 14,660.00
	3.15	Sidewalk Including Aggregate	-	SF	\$ 5.25	\$ -
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	10.00	LS	\$ 6,000.00	\$ 60,000.00
	3.22	Parkway Seed and Blanket	100.24	SY	\$ 10.00	\$ 1,002.36
	3.23	Parkway Bioretention Basins (50' Long TYP)	6.00	EA	\$ 11,300.00	\$ 67,800.00
	3.24	Tree Removal and Replacement	15.00	EA	\$ 1,000.00	\$ 15,000.00
					SUBTOTAL	\$ 211,062.88

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	8.00	EA	\$ 2,500.00	\$ 20,000.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	1.00	EA	\$ 2,000.00	\$ 2,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	30.00	LF	\$ 20.00	\$ 600.00
	4.23	Storm Sewer Manhole 4' Allowance	5.00	EA	\$ 2,500.00	\$ 12,500.00
	4.24	Catch Basin/Inlet Leads	10.00	EA	\$ 2,000.00	\$ 20,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 55,100.00

TOTAL	\$ 923,535.39
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5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 923,535.39	\$ 138,530.31
	5.12	Permitting (1%)	1%	LS	\$ 923,535.39	\$ 9,235.35
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 923,535.39	\$ 277,060.62
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 923,535.39	\$ 13,853.03
					SUBTOTAL	\$ 438,679.31

TOTAL	\$ 1,362,214.70
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6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 3
Washburne - Skokie School Underground Stormwater Storage Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 880,100.00	\$ 44,005.00
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 880,100.00	\$ 8,801.00
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 880,100.00	\$ 4,400.50
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 880,100.00	\$ 8,801.00
	1.15	Site Sanitary Facilities	4.00	MTH	\$ 650.00	\$ 2,600.00
	1.16	Contractors Field Office	4.00	MTH	\$ 3,000.00	\$ 12,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 880,100.00	\$ 8,801.00
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 880,100.00	\$ 35,204.00
					SUBTOTAL	\$ 124,612.50

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	-	AC	\$ 5,000.00	\$ -
	2.12	Topsoil stripping and stockpile	4,100.00	CY	\$ 5.00	\$ 20,500.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Earth Excavation and Disposal (Off-site re-use Landfill)	16,000.00	CY	\$ 10.00	\$ 160,000.00
		Earth Excavation and Disposal (On-site re-use)	10,000.00	CY	\$ 5.00	\$ 50,000.00
	2.21	Salvaged Topsoil Respread (6")	12,200.00	SY	\$ 5.00	\$ 61,000.00
						\$ -
					SUBTOTAL	\$ 291,500.00

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Turf Grass Seeding	2.52	AC	\$ 5,000.00	\$ 12,600.00
	3.12	Native Seed Mix 2 (Upland Meadow)	-	AC	\$ 8,000.00	\$ -
	3.13	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	-	AC	\$ 12,150.00	\$ -
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	-	SY	\$ 2.00	\$ -
						\$ -
					SUBTOTAL	\$ 18,600.00

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	3.11	Aggregate Base Installation (12" CA-6)	14,000.00	SY	\$ -	\$ -
	3.12	Bituminous Binder Course (4")	2,652.00	TON	\$ -	\$ -
	3.13	Bituminous Surface Course IL-19, N50 (2")	1,326.00	TON	\$ -	\$ -
						\$ -
					SUBTOTAL	\$ -

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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 3

Washburne - Skokie School Underground Stormwater Storage Project

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
	5.11	Precast Concrete Storage Vaults	5.60	AC-FT	\$ 100,000.00	\$ 560,000.00
	5.12	Interconnecting 72" RCP Storm Sewer	40.00	LF	\$ 250.00	\$ 10,000.00
						\$ -
					SUBTOTAL	\$ 570,000.00

TOTAL	\$ 1,004,712.50
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 1,004,712.50	\$ 150,706.88
	6.12	Permitting (1%)	1%	LS	\$ 1,004,712.50	\$ 10,047.13
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 1,004,712.50	\$ 200,942.50
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 1,004,712.50	\$ 15,070.69
					SUBTOTAL	\$ 376,767.19

TOTAL	\$ 1,381,479.69
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6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 3
Oak Street Conveyance Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 1,906,161.96	\$ 95,308.10
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 1,906,161.96	\$ 57,184.86
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 1,906,161.96	\$ 19,061.62
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 1,906,161.96	\$ 38,123.24
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 1,906,161.96	\$ 19,061.62
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 1,906,161.96	\$ 76,246.48
					SUBTOTAL	\$ 326,885.91

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	3,259.00	LF	\$ 2.25	\$ 7,332.75
	2.12	Bituminous Surface Removal - 3"	816.93	SY	\$ 4.15	\$ 3,390.27
	2.13	Aggregate Base Course Removal - 12"	516.66	CY	\$ 30.00	\$ 15,499.89
	2.14	PCC Curb Removal	1,885.00	LF	\$ 3.25	\$ 6,126.25
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 75.00	\$ -
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	426.00	LF	\$ 125.00	\$ 53,250.00
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	2,227.00	LF	\$ 500.00	\$ 1,113,500.00
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	9.00	EA	\$ 10,000.00	\$ 90,000.00
	2.41	High Capacity Inlets	6.00	EA	\$ 6,500.00	\$ 39,000.00
	2.42	Trench Backfill (CA-7)	887.57	CY	\$ 54.65	\$ 48,505.77
	2.43	Spoil Removal (Win. Landfill)	7,917.50	CY	\$ 10.00	\$ 79,174.97
					SUBTOTAL	\$ 1,455,779.90

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 3
Oak Street Conveyance Project

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	1,549.99	SY	\$ 14.25	\$ 22,087.34
	3.12	Bituminous Binder Course (4")	196.06	TON	\$ 85.00	\$ 16,665.44
	3.13	Bituminous Surface Course IL-19, N50 (2")	98.03	TON	\$ 90.00	\$ 8,822.88
	3.14	B6.12 Curb & Gutter	1,885.00	LF	\$ 20.00	\$ 37,700.00
	3.15	Sidewalk Including Aggregate	2,000.00	SF	\$ 5.25	\$ 10,500.00
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	9.00	LS	\$ 6,000.00	\$ 54,000.00
	3.22	Parkway Seed and Blanket	2,174.64	SY	\$ 10.00	\$ 21,746.40
	3.23	Parkway Bioretention Basins (50' Long TYP)	10.00	EA	\$ 11,300.00	\$ 113,000.00
	3.24	Tree Removal and Replacement	30.00	EA	\$ 500.00	\$ 15,000.00
					SUBTOTAL	\$ 299,522.06

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	27.00	EA	\$ 2,500.00	\$ 67,500.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	1.00	EA	\$ 5,000.00	\$ 5,000.00
	4.14	8" Gate Valve in 48" Dia. Vault	6.00	EA	\$ 4,500.00	\$ 27,000.00
	4.15	Perpendicular Water Crossings	5.00	EA	\$ 2,000.00	\$ 10,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	118.00	LF	\$ 20.00	\$ 2,360.00
	4.23	Storm Sewer Manhole 4' Allowance	6.00	EA	\$ 2,500.00	\$ 15,000.00
	4.24	Catch Basin/Inlet Leads	12.00	EA	\$ 2,000.00	\$ 24,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 150,860.00

TOTAL \$ 2,233,047.87

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 2,233,047.87	\$ 334,957.18
	5.12	Permitting (1%)	1%	LS	\$ 2,233,047.87	\$ 22,330.48
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 2,233,047.87	\$ 669,914.36
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 2,233,047.87	\$ 33,495.72
					SUBTOTAL	\$ 1,060,697.74

TOTAL \$ 3,293,745.61

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Provident Watershed Conveyance Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 1,636,541.78	\$ 81,827.09
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 1,636,541.78	\$ 49,096.25
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 1,636,541.78	\$ 16,365.42
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 1,636,541.78	\$ 32,730.84
	1.15	Site Sanitary Facilities	4.00	MTH	\$ 650.00	\$ 2,600.00
	1.16	Contractors Field Office	4.00	MTH	\$ 3,000.00	\$ 12,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (3.5% Hard Costs)	3.50%	LS	\$ 1,636,541.78	\$ 57,278.96
	1.22	GC Overhead/Management (6% Hard Costs)	6.00%	LS	\$ 1,636,541.78	\$ 98,192.51
					SUBTOTAL	\$ 350,091.06

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	2,300.00	LF	\$ 2.25	\$ 5,175.00
	2.12	Bituminous Surface Removal - 3"	1,594.32	SY	\$ 4.15	\$ 6,616.44
	2.13	Aggregate Base Course Removal - 12"	3,298.19	CY	\$ 30.00	\$ 98,945.73
	2.14	PCC Curb Removal	2,371.50	LF	\$ 3.25	\$ 7,707.38
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	220.00	LF	\$ 75.00	\$ 16,500.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	2,241.00	LF	\$ 275.00	\$ 616,275.00
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	10.00	EA	\$ 10,000.00	\$ 100,000.00
	2.41	High Capacity Inlets	8.00	EA	\$ 6,500.00	\$ 52,000.00
	2.42	Trench Backfill (CA-7)	375.77	CY	\$ 54.65	\$ 20,535.80
	2.43	Spoil Removal (Win. Landfill)	8,451.16	CY	\$ 10.00	\$ 84,511.64
					SUBTOTAL	\$ 1,008,266.99

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Provident Watershed Conveyance Project

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	9,894.57	SY	\$ 14.25	\$ 140,997.67
	3.12	Bituminous Binder Course (4")	382.64	TON	\$ 85.00	\$ 32,524.20
	3.13	Bituminous Surface Course IL-19, N50 (2")	191.32	TON	\$ 90.00	\$ 17,218.69
	3.14	B6.12 Curb & Gutter	2,371.50	LF	\$ 20.00	\$ 47,430.00
	3.15	Sidewalk Including Aggregate	-	SF	\$ 5.25	\$ -
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	16.00	LS	\$ 6,000.00	\$ 96,000.00
	3.22	Parkway Seed and Blanket	760.42	SY	\$ 10.00	\$ 7,604.23
	3.23	Parkway Bioretention Basins (50' Long TYP)	7.00	EA	\$ 11,300.00	\$ 79,100.00
	3.24	Tree Removal and Replacement	34.00	EA	\$ 1,000.00	\$ 34,000.00
					SUBTOTAL	\$ 454,874.79

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	26.00	EA	\$ 2,500.00	\$ 65,000.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	6.00	EA	\$ 2,000.00	\$ 12,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	920.00	LF	\$ 20.00	\$ 18,400.00
	4.23	Storm Sewer Manhole 4' Allowance	12.00	EA	\$ 2,500.00	\$ 30,000.00
	4.24	Catch Basin/Inlet Leads	24.00	EA	\$ 2,000.00	\$ 48,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 173,400.00

TOTAL	\$ 1,986,632.84
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5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 1,986,632.84	\$ 297,994.93
	5.12	Permitting (1%)	1%	LS	\$ 1,986,632.84	\$ 19,866.33
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 1,986,632.84	\$ 595,989.85
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 1,986,632.84	\$ 29,799.49
					SUBTOTAL	\$ 943,650.60

TOTAL	\$ 2,930,283.45
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6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Willow Road Conveyance Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 3,069,558.52	\$ 153,477.93
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 3,069,558.52	\$ 92,086.76
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 3,069,558.52	\$ 30,695.59
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 3,069,558.52	\$ 61,391.17
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 3,069,558.52	\$ 30,695.59
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 3,069,558.52	\$ 122,782.34
					SUBTOTAL	\$ 513,029.36

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	2,781.00	LF	\$ 2.25	\$ 6,257.25
	2.12	Bituminous Surface Removal - 3"	2,050.51	SY	\$ 4.15	\$ 8,509.62
	2.13	Aggregate Base Course Removal - 12"	825.14	CY	\$ 30.00	\$ 24,754.33
	2.14	PCC Curb Removal	1,092.66	LF	\$ 3.25	\$ 3,551.15
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	482.00	LF	\$ 75.00	\$ 36,150.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 100.00	\$ -
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 275.00	\$ -
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	2,385.00	LF	\$ 840.00	\$ 2,003,400.00
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	10.00	EA	\$ 10,000.00	\$ 100,000.00
	2.41	High Capacity Inlets	6.00	EA	\$ 6,500.00	\$ 39,000.00
	2.42	Trench Backfill (CA-7)	663.51	CY	\$ 54.65	\$ 36,260.98
	2.43	Spoil Removal (Win. Landfill)	8,774.90	CY	\$ 10.00	\$ 87,748.99
					SUBTOTAL	\$ 2,345,632.31

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Willow Road Conveyance Project

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	2,475.43	SY	\$ 14.25	\$ 35,274.93
	3.12	Bituminous Binder Course (4")	492.12	TON	\$ 85.00	\$ 41,830.40
	3.13	Bituminous Surface Course IL-19, N50 (2")	246.06	TON	\$ 90.00	\$ 22,145.51
	3.14	B6.12 Curb & Gutter	1,092.66	LF	\$ 20.00	\$ 21,853.20
	3.15	Sidewalk Including Aggregate	2,510.00	SF	\$ 5.25	\$ 13,177.50
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	25.00	LS	\$ 6,000.00	\$ 150,000.00
	3.22	Parkway Seed and Blanket	3,588.47	SY	\$ 10.00	\$ 35,884.67
	3.23	Parkway Bioretention Basins (50' Long TYP)	12.00	EA	\$ 11,300.00	\$ 135,600.00
	3.24	Tree Removal and Replacement	45.00	EA	\$ 1,000.00	\$ 45,000.00
					SUBTOTAL	\$ 500,766.21

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	25.00	EA	\$ 2,500.00	\$ 62,500.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	-	EA	\$ 5,000.00	\$ -
	4.14	8" Gate Valve in 48" Dia. Vault	-	EA	\$ 4,500.00	\$ -
	4.15	Perpendicular Water Crossings	8.00	EA	\$ 2,000.00	\$ 16,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	1,504.00	LF	\$ 40.00	\$ 60,160.00
	4.23	Storm Sewer Manhole 4' Allowance	13.00	EA	\$ 2,500.00	\$ 32,500.00
	4.24	Catch Basin/Inlet Leads	26.00	EA	\$ 2,000.00	\$ 52,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 223,160.00

TOTAL \$ 3,582,587.89

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 3,582,587.89	\$ 537,388.18
	5.12	Permitting (1%)	1%	LS	\$ 3,582,587.89	\$ 35,825.88
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 3,582,587.89	\$ 1,074,776.37
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 3,582,587.89	\$ 53,738.82
					SUBTOTAL	\$ 1,701,729.25

TOTAL \$ 5,284,317.13

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
North of Pine Conveyance Project

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 1,388,335.51	\$ 69,416.78
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	3.00%	LS	\$ 1,388,335.51	\$ 41,650.07
	1.13	Traffic Control - Signage Detours, Etc.	1.00%	LS	\$ 1,388,335.51	\$ 13,883.36
	1.14	Traffic Control - Flagging	2.00%	LS	\$ 1,388,335.51	\$ 27,766.71
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 1,388,335.51	\$ 13,883.36
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 1,388,335.51	\$ 55,533.42
					SUBTOTAL	\$ 244,033.68

2.00		PIPE INSTALLATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Pavement Sawcutting	3,432.00	LF	\$ 2.25	\$ 7,722.00
	2.12	Bituminous Surface Removal - 3"	2,565.11	SY	\$ 4.15	\$ 10,645.21
	2.13	Aggregate Base Course Removal - 12"	855.04	CY	\$ 30.00	\$ 25,651.11
	2.14	PCC Curb Removal	2,700.00	LF	\$ 3.25	\$ 8,775.00
2.20		PIPE INSTALLATION				
	2.21	Install 12" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 40.00	\$ -
	2.22	Install 15" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 50.00	\$ -
	2.23	Install 18" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 60.00	\$ -
	2.24	Install 24" RCP Storm Sewer (4-6' Depth)	516.00	LF	\$ 75.00	\$ 38,700.00
	2.25	Install 30" RCP Storm Sewer (4-6' Depth)	1,200.00	LF	\$ 100.00	\$ 120,000.00
	2.26	Install 36" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 125.00	\$ -
	2.27	Install 42" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 200.00	\$ -
	2.28	Install 48" RCP Storm Sewer (4-6' Depth)	1,325.00	LF	\$ 275.00	\$ 364,375.00
	2.29	Install 54" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 350.00	\$ -
	2.30	Install 60" RCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.31	Install 34"x53" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 250.00	\$ -
	2.32	Install 38"x60" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 300.00	\$ -
	2.33	Install 43"x68" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 400.00	\$ -
	2.34	Install 48"x76" HERCP Storm Sewer (4-6' Depth)	-	LF	\$ 500.00	\$ -
	2.35	Install 6'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 672.00	\$ -
	2.36	Install 8'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 784.00	\$ -
	2.37	Install 10'x4' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,155.00	\$ -
	2.38	Install 8'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 840.00	\$ -
	2.39	Install 10'x5' RCBC Storm Sewer (4-6' Depth)	-	LF	\$ 1,225.00	\$ -
	2.40	Storm Manhole	16.00	EA	\$ 10,000.00	\$ 160,000.00
	2.41	High Capacity Inlets	12.00	EA	\$ 6,500.00	\$ 78,000.00
	2.42	Trench Backfill (CA-7)	402.85	CY	\$ 54.65	\$ 22,015.85
	2.43	Spoil Removal (Win. Landfill)	6,376.70	CY	\$ 10.00	\$ 63,767.04
					SUBTOTAL	\$ 899,651.21

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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
North of Pine Conveyance Project

3.00		SITE & ROADWAY RECONSTRUCTION	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		ROADWAY PAVING & CONCRETE				
	3.11	Aggregate Base Installation (12" CA-6)	2,565.11	SY	\$ 14.25	\$ 36,552.83
	3.12	Bituminous Binder Course (4")	615.63	TON	\$ 85.00	\$ 52,328.27
	3.13	Bituminous Surface Course IL-19, N50 (2")	307.81	TON	\$ 90.00	\$ 27,703.20
	3.14	B6.12 Curb & Gutter	2,700.00	LF	\$ 20.00	\$ 54,000.00
	3.15	Sidewalk Including Aggregate	-	SF	\$ 5.25	\$ -
3.20		ROW RESTORATION				
	3.21	Driveway Replacement Allowance	-	LS	\$ 6,000.00	\$ -
	3.22	Parkway Seed and Blanket	-	SY	\$ 10.00	\$ -
	3.23	Parkway Bioretention Basins (50' Long TYP)	12.00	EA	\$ 11,300.00	\$ 135,600.00
	3.24	Tree Removal and Replacement	50.00	EA	\$ 500.00	\$ 25,000.00
					SUBTOTAL	\$ 331,184.30

4.00		UTILITY RELOCATES/REPLACEMENTS	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10		WATER MAIN & SERVICES				
	4.11	Water Main Replacement (8")	-	LF	\$ 150.00	\$ -
	4.12	Water Service Leads	27.00	EA	\$ 2,500.00	\$ 67,500.00
	4.13	6' Direct Bury Fire Hydrants w/ Aux. Valve	1.00	EA	\$ 5,000.00	\$ 5,000.00
	4.14	8" Gate Valve in 48" Dia. Vault	6.00	EA	\$ 4,500.00	\$ 27,000.00
	4.15	Perpendicular Water Crossings	2.00	EA	\$ 2,000.00	\$ 4,000.00
4.20		STORM SEWER				
	4.21	Storm Sewer Replacement (18" RCP)	-	LF	\$ 60.00	\$ -
	4.22	Storm Sewer Removal	-	LF	\$ 20.00	\$ -
	4.23	Storm Sewer Manhole 4' Allowance	12.00	EA	\$ 2,500.00	\$ 30,000.00
	4.24	Catch Basin/Inlet Leads	12.00	EA	\$ 2,000.00	\$ 24,000.00
	4.25	Perpendicular Storm Crossings	-	EA	\$ 1,000.00	\$ -
4.30		SANITARY SEWER				
	4.31	Sanitary Sewer Replacement (8")	-	LF	\$ 150.00	\$ -
	4.32	San. MH 4' Allowance	-	EA	\$ 2,500.00	\$ -
					SUBTOTAL	\$ 157,500.00

TOTAL \$ 1,632,369.20

5.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	5.11	Design and Construction Eng. (15%)	15%	LS	\$ 1,632,369.20	\$ 244,855.38
	5.12	Permitting (1%)	1%	LS	\$ 1,632,369.20	\$ 16,323.69
	5.13	Design Contingency - Conveyance (30%)	30%	LS	\$ 1,632,369.20	\$ 489,710.76
	5.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 1,632,369.20	\$ 24,485.54
					SUBTOTAL	\$ 775,375.37

TOTAL \$ 2,407,744.56

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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Duke Childs Ball Fields/WPD Par-3 Golf Course Storage Project - Ball Fields

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 1,007,850.00	\$ 50,392.50
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 1,007,850.00	\$ 10,078.50
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 1,007,850.00	\$ 5,039.25
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 1,007,850.00	\$ 10,078.50
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 1,007,850.00	\$ 10,078.50
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 1,007,850.00	\$ 40,314.00
					SUBTOTAL	\$ 147,881.25

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	-	AC	\$ 5,000.00	\$ -
	2.12	Topsoil stripping and stockpile	12,400.00	CY	\$ 5.00	\$ 62,000.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Earth Excavation and Disposal (Off-site re-use Landfill)	58,000.00	CY	\$ 10.00	\$ 580,000.00
	2.21	Salvaged Topsoil Respread (6")	37,200.00	SY	\$ 5.00	\$ 186,000.00
						\$ -
					SUBTOTAL	\$ 828,000.00

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Turf Grass Seeding	7.69	AC	\$ 5,000.00	\$ 38,450.00
	3.12	Native Seed Mix 2 (Upland Meadow)	-	AC	\$ 8,000.00	\$ -
	3.13	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	-	AC	\$ 12,150.00	\$ -
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	2,700.00	SY	\$ 2.00	\$ 5,400.00
					SUBTOTAL	\$ 49,850.00

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	4.11	Aggregate Base Installation (12" CA-6)	14,000.00	SY	\$ -	\$ -
	4.12	Bituminous Binder Course (4")	2,652.00	TON	\$ -	\$ -
	4.13	Bituminous Surface Course IL-19, N50 (2")	1,326.00	TON	\$ -	\$ -
						\$ -
					SUBTOTAL	\$ -

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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Duke Childs Ball Fields/WPD Par-3 Golf Course Storage Project - Ball Fields

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
	5.11	Dugout Structure Reconstruction	4.00	EA	\$ 20,000.00	\$ 80,000.00
	5.12	Backstops, Fencing, Pit. Mounds, infields, scoreboards	1.00	LS	\$ 50,000.00	\$ 50,000.00
						\$ -
					SUBTOTAL	\$ 130,000.00

TOTAL	\$ 1,155,731.25
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 1,155,731.25	\$ 173,359.69
	6.12	Permitting (1%)	1%	LS	\$ 1,155,731.25	\$ 11,557.31
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 1,155,731.25	\$ 231,146.25
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 1,155,731.25	\$ 17,335.97
					SUBTOTAL	\$ 433,399.22

TOTAL	\$ 1,589,130.47
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West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Duke Childs Ball Fields/WPD Par-3 Golf Course Storage Project - WPD Par - 3 Golf Course

1.00		MOBILIZATION	QUANTITY	UNIT	UNIT PRICE	TOTAL
1.10		GENERAL CONDITIONS - HARD COST				
	1.11	Mobilization Allowance (5% Hard Costs)	5.00%	LS	\$ 544,450.00	\$ 27,222.50
	1.12	Survey, Const. Layout & As-Builts (3% Hard Costs)	1.00%	LS	\$ 544,450.00	\$ 5,444.50
	1.13	Traffic Control - Signage Detours, Etc.	0.50%	LS	\$ 544,450.00	\$ 2,722.25
	1.14	Traffic Control - Flagging	1.00%	LS	\$ 544,450.00	\$ 5,444.50
	1.15	Site Sanitary Facilities	6.00	MTH	\$ 650.00	\$ 3,900.00
	1.16	Contractors Field Office	6.00	MTH	\$ 3,000.00	\$ 18,000.00
1.20		GENERAL CONDITIONS - SOFT COST				
	1.21	Insurance & Bonds (1% Hard Costs)	1.00%	LS	\$ 544,450.00	\$ 5,444.50
	1.22	GC Overhead/Management (4% Hard Costs)	4.00%	LS	\$ 544,450.00	\$ 21,778.00
					SUBTOTAL	\$ 89,956.25

2.00		EARTHWORK	QUANTITY	UNIT	UNIT PRICE	TOTAL
2.10		DEMOLITION				
	2.11	Clearing and Grubbing	1.00	AC	\$ 5,000.00	\$ 5,000.00
	2.12	Topsoil stripping and stockpile	6,700.00	CY	\$ 5.00	\$ 33,500.00
						\$ -
2.20		EARTH EXCAVATION				
	2.21	Earth Excavation and Disposal (Off-site re-use Landfill)	27,000.00	CY	\$ 10.00	\$ 270,000.00
	2.21	Salvaged Topsoil Respread (6")	20,000.00	SY	\$ 5.00	\$ 100,000.00
						\$ -
					SUBTOTAL	\$ 408,500.00

3.00		LANDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
3.10		RESTORATION				
	3.11	Turf Grass Seeding	4.13	AC	\$ 5,000.00	\$ 20,650.00
	3.12	Native Seed Mix 2 (Upland Meadow)	-	AC	\$ 8,000.00	\$ -
	3.13	Native Tree Reforestation (1.5" cal., 25' o.c., 81 trees/ac.)	2.00	AC	\$ 12,150.00	\$ 24,300.00
						\$ -
3.20		EROSION CONTROL				
	3.21	Stabilized Construction Entrance	1.00	LS	\$ 6,000.00	\$ 6,000.00
	3.22	Temp. Erosion Blanket	2,500.00	SY	\$ 2.00	\$ 5,000.00
					SUBTOTAL	\$ 55,950.00

4.00		HARDSCAPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
4.10						
	4.11	Aggregate Base Installation (12" CA-6)	14,000.00	SY	\$ -	\$ -
	4.12	Bituminous Binder Course (4")	2,652.00	TON	\$ -	\$ -
	4.13	Bituminous Surface Course IL-19, N50 (2")	1,326.00	TON	\$ -	\$ -
						\$ -
					SUBTOTAL	\$ -

6/1/2016

West and Southwest Winnetka Stormwater Management Study
 Village of Winnetka, Cook County, Illinois
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 4
Duke Childs Ball Fields/WPD Par-3 Golf Course Storage Project - WPD Par - 3 Golf Course

5.00		MISCELLANEOUS	QUANTITY	UNIT	UNIT PRICE	TOTAL
5.10		MISCELLANEOUS				
	5.11	Golf Hole Restoration	1.00	LS	\$ 80,000.00	\$ 80,000.00
						\$ -
						\$ -
					SUBTOTAL	\$ 80,000.00

TOTAL	\$ 544,450.00
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6.00		ENGINEERING AND CONT.	QUANTITY	UNIT	UNIT PRICE	TOTAL
	6.11	Design and Construction Eng. (15%)	15%	LS	\$ 634,406.25	\$ 95,160.94
	6.12	Permitting (1%)	1%	LS	\$ 634,406.25	\$ 6,344.06
	6.13	Design Contingency - Storage (20%)	20%	LS	\$ 634,406.25	\$ 126,881.25
	6.14	Project Mgmt. (1.5%)	1.5%	LS	\$ 634,406.25	\$ 9,516.09
					SUBTOTAL	\$ 237,902.34

TOTAL	\$ 872,308.59
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