

Item #11B:

Village Trustee Jacob

DRAFT Updated Five (5) Year Capital Improvements Program



Project	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	5 Year Totals	5 Year Average
Road Maintenance Program	\$1,295,343		\$1,196,829	\$1,049,821	\$1,193,414	\$4,735,407	\$1,183,852
Construction Costs	\$1,190,132	RPC Road Streetscape	\$1,097,990	\$960,946	\$1,092,976	\$4,342,044	\$1,085,511
Phase II Engineering (3.75% + borings)	\$54,630		\$52,175	\$48,035	\$53,987	\$208,827	\$52,207
Phase III Engineering (4.25%)	\$50,581		\$46,665	\$40,840	\$46,451	\$184,537	\$46,134
East Cuba Road Rehabilitation (Net Cost to Village)	\$37,911	\$52,660	\$14,749	\$412,965		\$518,285	\$103,656.96
Construction Costs				\$1,843,595		\$1,843,595	\$368,719
Phase I Engineering, Includes Topographic Survey (9%)	\$37,911	\$37,911				\$75,822	\$15,164
Phase II Engineering (No Land Acquisition / Wetland) (8%)		\$73,744	\$73,744			\$147,488	\$29,498
Phase III Engineering (12%)				\$221,231		\$221,231	\$44,246
Potential Fed. Participation (80/20 Match: Phase II & III, & Const.)		(\$58,995)	(\$58,995)	(\$1,651,861)		(\$1,769,851)	(\$353,970)
North Krueger Road Rehabilitation (Net Cost to Village)	\$36,260	\$356,762				\$393,022	\$78,604
Construction Costs		\$1,592,687				\$1,592,687	\$318,537
Phase I Engineering, Includes Topographic Survey (9%)	\$13,962					\$13,962	\$2,792
Phase II Engineering (No Land Acquisition / Wetland) (7%)	\$111,488					\$111,488	\$22,298
Phase III Engineering (12%)		\$191,122				\$191,122	\$38,224
Potential Fed. Participation (80/20 Match: Phase II & III, & Const.)	(\$89,190)	(\$1,427,048)				(\$1,516,238)	(\$303,248)
Downtown Watermain Extension							
Watermain Extension (Archer Road Triangle)	\$7,000					\$7,000	\$1,400
Construction Costs	\$5,000					\$5,000	\$1,000
Topographic & Boundary Survey (Incl. Downtown Loop)						\$0	\$0
Phase II Engineering (Incl. Downtown Loop)						\$0	\$0
Phase III Engineering	\$2,000					\$2,000	\$400
Harborage of Long Grove Contribution						\$0	\$0
Archer Road Outlots Contribution						\$0	\$0
Downtown Watermain Extension (To Bridge & 144 OMR)	\$1,248,832					\$1,248,832	\$249,766
Construction Costs (Glenbrook Bid + 5%)	\$1,135,301					\$1,135,301	\$227,060
Phase II Engineering						\$0	\$0
Phase III Engineering (10%)	\$113,530					\$113,530	\$22,706
Buffalo Grove Interconnect Watermain Improvement							
Pump Improvements ONLY	\$0	\$176,000				\$176,000	\$35,200
Construction Costs		\$160,000				\$160,000	\$32,000
Phase II Engineering (10%)						\$0	\$0
Phase III Engineering (10%)		\$16,000				\$16,000	\$3,200
Op.1 - 16" Single Connection, Meter Vault, Pump & Reservoir	\$122,925	\$1,352,175				\$1,475,100	\$295,020
Construction Costs		\$1,229,250				\$1,229,250	\$245,850
Phase II Engineering (10%)	\$122,925					\$122,925	\$24,585
Phase III Engineering (10%)		\$122,925				\$122,925	\$24,585
Op.2 - 16" SC, MV, Pump & Res, Route 83 8" DIP & MV	\$163,625	\$1,799,875				\$1,963,500	\$392,700
Construction Costs		\$1,636,250				\$1,636,250	\$327,250
Phase II Engineering (10%)	\$163,625					\$163,625	\$32,725
Phase III Engineering (10%)		\$163,625				\$163,625	\$32,725
Op.3 - 16" SC, MV, Pump & Res, Route 83 12" DIP & MV	\$170,665	\$1,877,315				\$2,047,980	\$409,596
Construction Costs		\$1,706,650				\$1,706,650	\$341,330
Phase II Engineering (10%)	\$170,665					\$170,665	\$34,133
Phase III Engineering (10%)		\$170,665				\$170,665	\$34,133
Capital Infrastructure Funding Available		(\$100,000)				(\$100,000)	(\$20,000)
Robert Parker Coffin Road Bridge							
Reconstruction, Increase Width (Net Cost to Village)	\$20,951	\$16,800	\$328,720	\$1,680		\$368,151	\$73,630
Construction Costs			\$1,400,000			\$1,400,000	\$280,000
Phase I Engineering	\$104,754					\$104,754	\$20,951
Phase II Engineering (No Land Acquisition) (10%)		\$84,000	\$84,000			\$168,000	\$33,600
Phase III Engineering (12%)			\$159,600	\$8,400		\$168,000	\$33,600
Potential Fed. Participation (80/20 Match)	(\$83,804)	(\$67,200)	(\$1,314,880)	(\$6,720)		(\$1,472,604)	(\$294,521)
Major In-Place Restoration (Maintain Single Lane)		\$35,000	\$392,000			\$427,000	\$85,400
In-Place Reconstruction (Maintain Single Lane)		\$82,080	\$483,840			\$565,920	\$113,184
Capital Infrastructure Funding Available	(\$453,205)					(\$453,205)	(\$90,641)

**Old McHenry Road Improvements (Cost to Village)	\$67,000					\$67,000	\$13,400
Robert Parker Coffin Streetscape Impvs. (Cost to Village)		\$1,050,000				\$1,050,000	\$210,000
Downtown Street Lighting Improvements (Old McHenry Road)	\$0					\$0	\$0
Downtown Street Lighting Improvements (Robert Parker Coffin)		\$0				\$0	\$0
Stempel Parking Lot Reconstruction			\$1,300,000			\$1,300,000	\$260,000
ComEd Utility Burial		\$0	\$0			\$0	0
Pathway Construction	\$114,490	\$122,504	\$131,080	\$140,255	\$100,000	\$508,329	101,666
Pavement Patching	\$28,623	\$30,626	\$32,770	\$35,064	\$25,000	\$127,082	25,416
Misc. Drainage Improvements / Ditch Reshaping	\$11,449	\$12,250	\$13,108	\$14,026	\$10,000	\$50,833	10,167
Totals (Road Work ONLY)	\$1,369,514	\$409,422	\$1,211,578	\$1,462,786	\$1,193,414	\$4,453,300	890,660
Totals (All Capital Projects excluding Streetscapes)	\$2,971,523	\$2,468,918	\$3,017,256	\$1,653,811	\$1,328,414	\$11,439,921	2,287,984
Totals (All Capital Projects)	\$3,038,523	\$3,518,918	\$3,017,256	\$1,653,811	\$1,328,414	\$11,228,507	2,245,701

Total of Capital Improvement Program (Road Work ONLY)	\$4,453,300
Total of Capital Improvement Program (All Excl. Streetscape)	\$11,439,921
Total of Capital Improvement Program (All)	\$11,228,507

Capital Improvements Set Aside Gen Fund-Infra Eligible

Bridge-Covered Less Extra Oakwood Above	\$453,205
Lake Michigan Water Connection	\$100,000
Street Signs	\$8,350
Road Paving Fund	\$387,629
Route 22 Improvements - Traffic Signal	\$110,658
Total	\$1,059,842