

City of Johnstown High Level Area Cost Study

PLAN DATE: 10/26/2023 PREPARED BY: PC ESTIMATE TYPE: CLASS 5

Total Cost Summary

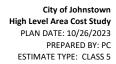
ITEM	TOTAL	NUMBER OF	COST PER	ESTIMATED	NOTES
ITEIVI	FOOTAGE	ADDRESSES	ADDRESS	COST	NOTES
Johnstown Plaza	47,042	129	\$20,153	\$2,599,711	
Downtown	214,329	3,311	\$3,670	\$12,152,638	
Johnstown West	202,376	2,148	\$5,190	\$11,148,924	
Stroh Farms	61,799	749	\$4,751	\$3,558,869	
Thompson River Ranch	127,490	1,947	\$3,745	\$7,292,471	
TOTAL	653,036	8,284		\$36,752,613	
Average Cost per Address				\$4,437	

Urban Areas

ITEM	TOTAL	NUMBER OF	COST PER	COST	NOTES
TTEIVI	FOOTAGE	ADDRESSES	ADDRESS	COST	NOTES
Johnstown Plaza	33663	124	\$15,495	\$1,921,334	
Downtown	204500	3,306	\$3,525	\$11,653,807	
Johnstown West	162375	2,139	\$4,265	\$9,122,728	
Stroh Farms	51892	745	\$4,103	\$3,056,436	
Thompson River Ranch	108593	1,935	\$3,273	\$6,332,610	
TOTAL	561,023	8,249		\$32,086,914	
Average Cost per Address				\$3,890	

Rural Areas

ITEM	TOTAL	NUMBER OF	COST PER	COST	NOTES
I I EIVI	FOOTAGE	ADDRESSES	ADDRESS	COST	NOTES
Johnstown Plaza	13379	5	\$135,676	\$678,378	
Downtown	9,829	5	\$99,766	\$498,832	
Johnstown West	40,001	9	\$225,133	\$2,026,196	
Stroh Farms	9,907	4	\$125,608	\$502,433	
Thompson River Ranch	18,897	12	\$79,988	\$959,861	
TOTAL	92,013	35		\$4,665,699	
Average Cost per Address				\$133,306	





Johnstown Total		
	Total Address Count	8,284
	Total Footage (Road Centerline)	653,036
	EXTENDED	
	ITEM	COST
TOTAL		¢26 752 642
IOIAL		\$36,752,613
Cost per Address		\$4,437

Johnstown Total					
Total Address Count Total Footage (Road Centerline)	-, -				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$1,178,599	
Mobilization	LS	10%		\$2,172,311	
Outside Plant Construction - Labor	\$ / ft	653036	\$22.56	\$14,732,492	
Material Procurement	\$ / ft	653036	\$8.34	\$5,443,711	
Service Drop Construction	\$ / Address	2,485	\$857.00	\$2,129,816	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	653036	\$1.45	\$946,902	
Hut Procurement and Fitout	LS	5	120,000	\$600,000	
Subtotal	\$ / ft	653036	\$41.66	\$27,203,832	
Materials Cost Inflation	LS	8.0%		\$435,497	
Estimating Contingency	LS	15.0%		\$4,080,575	
Owner Contingency	LS	8.0%		\$2,176,307	
Engineering and Network Design	LS	6.0%		\$1,632,230	
Project Management	LS	4.5%		\$1,224,172	
TOTAL				\$36,752,613	
Cost per Address				\$4,437	
Cost per linear foot				\$56.28	



Johnstown Total		
	Total Address Count	8,284
	Total Footage (Road Centerline)	653,036
	ITEM	EXTENDED
	ITEIVI	COST
TOTAL		\$36,752,613
Cost per Address		\$4,437
Cost per linear foot	_	\$56.28

Johnstown - Urban Phase					
Total Address Count Total Floatine	-, -				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$1,012,534	
Mobilization	LS	10%		\$1,874,685	
Outside Plant Construction - Labor	\$ / ft	561023	\$22.56	\$12,656,679	
Material Procurement	\$ / ft	561023	\$8.34	\$4,676,691	
Service Drop Construction	\$ / Address	2,475	\$857.00	\$2,120,818	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	561023	\$1.45	\$813,483	
Hut Procurement and Fitout	LS	5	120,000	\$600,000	
Subtotal	\$ / ft	561023	\$42.34	\$23,754,890	
Materials Cost Inflation	LS	8.0%		\$374,135	
Estimating Contingency	LS	15.0%		\$3,563,234	
Owner Contingency	LS	8.0%		\$1,900,391	
Engineering and Network Design	LS	6.0%		\$1,425,293	
Project Management	LS	4.5%		\$1,068,970	
TOTAL				\$32,086,914	
Cost per Address				\$3,890	
Cost per linear foot				\$57.19	

Johnstown - Rural Phase					
Total Address Count Total Footage (Road Centerline)					
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$166,065	
Mobilization	LS	10%		\$297,625	
Outside Plant Construction - Labor	\$ / ft	92013	\$22.56	\$2,075,813	
Material Procurement	\$ / ft	92013	\$8.34	\$767,021	
Service Drop Construction	\$ / Address	11	\$857.00	\$8,999	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	92013	\$1.45	\$133,419	
Subtotal	\$ / ft	92013	\$37.48	\$3,448,942	
Materials Cost Inflation	LS	8.0%		\$61,362	
Estimating Contingency	LS	15.0%		\$517,341	
Owner Contingency	LS	8.0%		\$275,915	
Engineering and Network Design	LS	6.0%		\$206,937	
Project Management	LS	4.5%		\$155,202	
TOTAL				\$4,665,699	
Cost per Address				\$133,306	
Cost per linear foot				\$50.71	



Johnstown Plaza Area Total	
Total Address Count	129
Total Footage (Road Centerline)	47,042
ITEM	EXTENDED
ITEIVI	COST
TOTAL	\$2,599,711
Cost per Address	\$20,153
Cost per linear foot	\$55.26

Johnstown Plaza Area - Urban Phase					
Total Address Count Total Footage (Road Centerline)					
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$60,755	
Mobilization	LS	10%		\$120,886	
Outside Plant Construction - Labor	\$ / ft	33663	\$22.56	\$759,437	
Material Procurement	\$ / ft	33663	\$8.34	\$280,615	
Service Drop Construction	\$ / Address	37	\$857.00	\$31,880	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	33663	\$1.45	\$48,811	
Hut Procurement and Fitout	LS	1	120,000	\$120,000	
Subtotal	\$ / ft	33663	\$42.25	\$1,422,385	
Materials Cost Inflation	LS	8.0%		\$22,449	
Estimating Contingency	LS	15.0%		\$213,358	
Owner Contingency	LS	8.0%		\$113,791	
Engineering and Network Design	LS	6.0%		\$85,343	
Project Management	LS	4.5%		\$64,007	
TOTAL				\$1,921,334	
Cost per Address				\$15,495	
Cost per linear foot				\$57.08	

Johnstown Plaza Area - Rural Phase					
Total Address Count Total Footage (Road Centerline)					
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$24,146	
Mobilization	LS	10%		\$43,276	
Outside Plant Construction - Labor	\$ / ft	13379	\$22.56	\$301,830	
Material Procurement	\$ / ft	13379	\$8.34	\$111,527	
Service Drop Construction	\$ / Address	2	\$857.00	\$1,286	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	13379	\$1.45	\$19,400	
Subtotal	\$ / ft	13379	\$37.48	\$501,465	
Materials Cost Inflation	LS	8.0%		\$8,922	
Estimating Contingency	LS	15.0%		\$75,220	
Owner Contingency	LS	8.0%		\$40,117	
Engineering and Network Design	LS	6.0%		\$30,088	
Project Management	LS	4.5%		\$22,566	
TOTAL				\$678,378	
Cost per Address				\$135,676	
Cost per linear foot				\$50.70	



Downtown Area Total	
Total Address Count	3,311
Total Footage (Road Centerline)	214,329
ITEM	EXTENDED
HEIVI	COST
TOTAL	\$12,152,638
Cost per Address	\$3,670
Cost per linear foot	\$56.70

Downtown Area - Urban Phase					
Total Address Count Total Footage (Road Centerline)	3,306 204,500				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$369,082	
Mobilization	LS	10%		\$673,476	
Outside Plant Construction - Labor	\$ / ft	204500	\$22.56	\$4,613,520	
Material Procurement	\$ / ft	204500	\$8.34	\$1,704,713	
Service Drop Construction	\$ / Address	992	\$857.00	\$849,973	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	204500	\$1.45	\$296,525	
Hut Procurement and Fitout	LS	1	120,000	\$120,000	
Subtotal	\$ / ft	204500	\$42.19	\$8,627,288	
Materials Cost Inflation	LS	8.0%		\$136,377	
Estimating Contingency	LS	15.0%		\$1,294,093	
Owner Contingency	LS	8.0%		\$690,183	
Engineering and Network Design	LS	6.0%		\$517,637	
Project Management	LS	4.5%		\$388,228	
TOTAL				\$11,653,807	
Cost per Address				\$3,525	
Cost per linear foot				\$56.99	

Downtown Area - Rural Phase					
Total Address Count	5				
Total Footage (Road Centerline)	9,829				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$17,739	
Mobilization	LS	10%		\$31,793	
Outside Plant Construction - Labor	\$ / ft	9829	\$22.56	\$221,742	
Material Procurement	\$ / ft	9829	\$8.34	\$81,935	
Service Drop Construction	\$ / Address	2	\$857.00	\$1,286	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	9829	\$1.45	\$14,252	
Subtotal	\$ / ft	9829	\$37.52	\$368,747	
Materials Cost Inflation	LS	8.0%		\$6,555	
Estimating Contingency	LS	15.0%		\$55,312	
Owner Contingency	LS	8.0%		\$29,500	
Engineering and Network Design	LS	6.0%		\$22,125	
Project Management	LS	4.5%		\$16,594	
TOTAL				\$498,832	
Cost per Address				\$99,766	
Cost per linear foot				\$50.75	



Johnstown West Area Total							
Total Address Count	2,148						
Total Footage (Road Centerline)	202,376						
ITEM	EXTENDED						
HEIVI	COST						
TOTAL	\$11,148,924						
Cost per Address	\$5,190						
Cost per linear foot	\$55.09						

Johnstown West Area - Urban Phase					
Total Address Count Total Footage (Road Centerline)	2,139 162,375				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$293,054	
Mobilization	LS	10%		\$537,218	
Outside Plant Construction - Labor	\$ / ft	162375	\$22.56	\$3,663,180	
Material Procurement	\$ / ft	162375	\$8.34	\$1,353,559	
Service Drop Construction	\$ / Address	642	\$857.00	\$549,937	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	162375	\$1.45	\$235,444	
Hut Procurement and Fitout	LS	1	120,000	\$120,000	
Subtotal	\$ / ft	162375	\$41.59	\$6,752,392	
Materials Cost Inflation	LS	8.0%		\$108,285	
Estimating Contingency	LS	15.0%		\$1,012,859	
Owner Contingency	LS	8.0%		\$540,191	
Engineering and Network Design	LS	6.0%		\$405,144	
Project Management	LS	4.5%		\$303,858	
TOTAL				\$9,122,728	
Cost per Address				\$4,265	
Cost per linear foot				\$56.18	

Johnstown West Area - Rural Phase Total Address Count 9 Total Footage (Road Centerline) 40,001							
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES		
Outside Plant Construction							
General Conditions	LS	8%		\$72,194			
Mobilization	LS	10%		\$129,387			
Outside Plant Construction - Labor	\$ / ft	40001	\$22.56	\$902,423			
Material Procurement	\$ / ft	40001	\$8.34	\$333,449			
Service Drop Construction	\$ / Address	3	\$857.00	\$2,314	30% Take Rate		
Core Networking							
Network Equipment	\$ / ft	40001	\$1.45	\$58,001			
Subtotal	\$ / ft	40001	\$37.44	\$1,497,768			
Materials Cost Inflation	LS	8.0%		\$26,676			
Estimating Contingency	LS	15.0%		\$224,665			
Owner Contingency	LS	8.0%		\$119,821			
Engineering and Network Design	LS	6.0%		\$89,866			
Project Management	LS	4.5%		\$67,400			
TOTAL				\$2,026,196			
Cost per Address				\$225,133			
Cost per linear foot				\$50.65			



Stroh Farms Area Total							
Total Address Count	749						
Total Footage (Road Centerline)	61,799						
ITEM	EXTENDED						
HEIVI	COST						
TOTAL	\$3,558,869						
Cost per Address	\$4,751						
Cost per Linear foot	\$57.59						

Stroh Farms Area - Urban Phase					
Total Address Count Total Footage (Road Centerline)	745 51,892				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$93,655	
Mobilization	LS	10%		\$179,850	
Outside Plant Construction - Labor	\$ / ft	51892	\$22.56	\$1,170,684	
Material Procurement	\$ / ft	51892	\$8.34	\$432,572	
Service Drop Construction	\$ / Address	224	\$857.00	\$191,540	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	51892	\$1.45	\$75,243	
Hut Procurement and Fitout	LS	1	120,000	\$120,000	
Subtotal	\$ / ft	51892	\$43.62	\$2,263,543	
Materials Cost Inflation	LS	8.0%		\$34,606	
Estimating Contingency	LS	15.0%		\$339,531	
Owner Contingency	LS	8.0%		\$181,083	
Engineering and Network Design	LS	6.0%		\$135,813	
Project Management	LS	4.5%		\$101,859	
TOTAL				\$3,056,436	
Cost per Address				\$4,103	
Cost per Linear foot				\$58.90	

Stroh Farms Area - Rural Phase					
Total Address Count Total Footage (Road Centerline)					
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$17,880	
Mobilization	LS	10%		\$32,045	
Outside Plant Construction - Labor	\$ / ft	9907	\$22.56	\$223,502	
Material Procurement	\$ / ft	9907	\$8.34	\$82,585	
Service Drop Construction	\$ / Address	1	\$857.00	\$1,028	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	9907	\$1.45	\$14,365	
Subtotal	\$ / ft	9907	\$37.49	\$371,406	
Materials Cost Inflation	LS	8.0%		\$6,607	
Estimating Contingency	LS	15.0%		\$55,711	
Owner Contingency	LS	8.0%		\$29,712	
Engineering and Network Design	LS	6.0%		\$22,284	
Project Management	LS	4.5%		\$16,713	
TOTAL				\$502,433	
Cost per Address				\$125,608	
Cost per Linear foot				\$50.71	



Thompson River Ranch Area Total						
Total Address Count	1,947					
Total Footage (Road Centerline)	127,490					
ITEM	EXTENDED					
HEIVI	COST					
TOTAL	\$7,292,471					
Cost per Address	\$3,745					
Cost per Linear foot	\$57.20					

Total Address Count Total Footage (Road Centerline)	1,935 108,593				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$195,989	
Mobilization	LS	10%		\$363,255	
Outside Plant Construction - Labor	\$ / ft	108593	\$22.56	\$2,449,858	
Material Procurement	\$ / ft	108593	\$8.34	\$905,232	
Service Drop Construction	\$ / Address	581	\$857.00	\$497,489	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	108593	\$1.45	\$157,460	
Hut Procurement and Fitout	LS	1	120,000	\$120,000	
Subtotal	\$ / ft	108593	\$43.18	\$4,689,282	
Materials Cost Inflation	LS	8.0%		\$72,419	
Estimating Contingency	LS	15.0%		\$703,392	
Owner Contingency	LS	8.0%		\$375,143	
Engineering and Network Design	LS	6.0%		\$281,357	
Project Management	LS	4.5%		\$211,018	
TOTAL				\$6,332,610	
Cost per Address				\$3,273	
Cost per Linear foot				\$58.32	

Thompson River Ranch Area - Rural Phase					
Total Address Count Total Footage (Road Centerline)	12 18,897				
ITEM	UNIT	QUANTITY	UNIT COST	EXTENDED COST	NOTES
Outside Plant Construction					
General Conditions	LS	8%		\$34,105	
Mobilization	LS	10%		\$61,124	
Outside Plant Construction - Labor	\$ / ft	18897	\$22.56	\$426,316	
Material Procurement	\$ / ft	18897	\$8.34	\$157,525	
Service Drop Construction	\$ / Address	4	\$857.00	\$3,085	30% Take Rate
Core Networking					
Network Equipment	\$ / ft	18897	\$1.45	\$27,401	
Subtotal	\$ / ft	18897	\$37.55	\$709,557	
Materials Cost Inflation	LS	8.0%		\$12,602	
Estimating Contingency	LS	15.0%		\$106,434	
Owner Contingency	LS	8.0%		\$56,765	
Engineering and Network Design	LS	6.0%		\$42,573	
Project Management	LS	4.5%		\$31,930	
TOTAL				\$959,861	
Cost per Address				\$79,988	
Cost per Linear foot				\$50.79	