



**PRELIMINARY ESTIMATE OF CONSTRUCTION COST**

Town City of New Britain  
Project Allen Street  
Project # 2164  
Calculated by CAH DATE 5/23/2024  
Checked by JAC

Item Number	Items	Unit	Quantities	Unit Price	Cost	
1	0201001	CLEARING AND GRUBBING	LS	1	*	
2	0202000 A	EARTH EXCAVATION	CY	7500	\$30.00	\$225,000.00
3	0202351	UNSUITABLE MATERIAL EXCAVATION	CY	150	\$85.00	\$12,750.00
4	0202451 A	TEST PITS	CY	54	\$1,250.00	\$67,500.00
5	0202529	CUT BITUMINOUS CONCRETE PAVEMENT	LF	2700	\$3.50	\$9,450.00
6	0286001 .10	ROCK IN DRAINAGE TRENCH EXCAVATION 0'-10" DEEP	CY	1200	\$225.00	\$270,000.00
7	0286001 .20	ROCK IN DRAINAGE TRENCH EXCAVATION 0'-20" DEEP	CY	2700	\$250.00	\$675,000.00
8	0209001	FORMATION OF SUBGRADE	SY	8500	\$5.00	\$42,500.00
9	0210820	WATER POLLUTION CONTROL	EST	1	\$25,000.00	\$25,000.00
10	0212003	SUBBASE	CY	2900	\$60.00	\$174,000.00
11	0213011 A	GRANULAR FILL	CY	2710	\$45.00	\$121,950.00
12	0304002 A	PROCESSED AGGREGATE BASE	CY	2500	\$60.00	\$150,000.00
13	0406002 A	TEMPORARY PAVEMENT REPAIR	SY	3840	\$80.00	\$307,200.00
14	0406005 A	PERMANENT PAVEMENT REPAIR	SY	570	\$80.00	\$45,600.00
15	0406007 A	PERMANENT PAVEMENT REPAIR-STATE ROAD	SY	2300	\$140.00	\$322,000.00
16	0406236	MATERIAL FOR TACK COAT	GAL	1600	\$10.00	\$16,000.00
17	0406270 A	MILLING OF BITUMINOUS CONCRETE	SY	6300	\$8.00	\$50,400.00
18	0406172	HMA S0.375"	TON	680	\$140.00	\$95,200.00
19	0406171	HMA S0.50	TON	2450	\$140.00	\$343,000.00
20	0406989 A	ASPHALT ADJUSTMENT COST	EST	1	\$15,000.00	\$15,000.00
21	0586001	CONCRETE FOR STEPS AND COPINGS	CY	20	\$1,750.00	\$35,000.00
22	0586001 .10	TYPE 'C' CATCH BASIN - 0' - 10' DEEP	EA	16	\$5,000.00	\$80,000.00
23	0586004 .10	TYPE 'C' CATCH BASIN DOUBLE GRATE TYPE 2 - 0' - 10' DEEP	EA	6	\$6,000.00	\$36,000.00
24	0507480 A	(STORM) TEE MANHOLE	EA	6	\$7,000.00	\$42,000.00
25	0586501 .05	MANHOLE (5' DIAMETER) - 0' - 10' DEEP	EA	3	\$7,000.00	\$21,000.00
26	0586501 .06	MANHOLE (6' DIAMETER) - 0' - 10' DEEP	EA	2	\$7,500.00	\$15,000.00
27	0586501 .07	MANHOLE (7' DIAMETER) - 0' - 10' DEEP	EA	4	\$8,000.00	\$32,000.00
27	0586501 .08	MANHOLE (8' DIAMETER) - 0' - 20' DEEP	EA	1	\$12,500.00	\$12,500.00
28	0586501 .10	MANHOLE (10' DIAMETER) - 0' - 20' DEEP	EA	1	\$15,000.00	\$15,000.00
28	0586650	RESET MANHOLE (STORM)	EA	4	\$2,000.00	\$8,000.00
29	0586600	RESET CATCH BASIN	EA	23	\$2,000.00	\$46,000.00
30	0586300 .10	OFFSET CATCH BASIN - 0' - 10' DEEP	EA	1	\$12,000.00	\$12,000.00
31	0601000	CLASS A CONCRETE	CY	10	\$1,000.00	\$10,000.00
32	0686000 .15	15" R.C. PIPE	LF	450	\$200.00	\$90,000.00
33	0686000 .48	48" R.C. PIPE	LF	810	\$440.00	\$356,400.00
34	0686000 .54	54" R.C. PIPE	LF	585	\$520.00	\$304,200.00
35	0686000 .60	60" R.C. PIPE	LF	735	\$630.00	\$463,050.00
36	0686000 .66	66" R.C. PIPE	LF	580	\$720.00	\$417,600.00
37	0651385 A	(STORM) SEWER CONNECTION	LF	150	\$120.00	\$18,000.00
38	0751711 A	6" PVC UNDERDRAIN	LF	3300	\$50.00	\$165,000.00
39	0811001	CONCRETE CURBING	LF	75	\$55.00	\$4,125.00
40	0813021 A	GRANITE CURBING - STRAIGHT	LF	12400	\$70.00	\$868,000.00
41	0813031 A	GRANITE CURBING - CURVED	LF	900	\$90.00	\$81,000.00
42	0815001	BITUMINOUS CONCRETE LIP CURBING	LF	200	\$10.00	\$2,000.00
43	0921001 A	CONCRETE SIDEWALK	SF	32000	\$15.00	\$480,000.00
44	0921032 A	TEXTURED CONCRETE BERM	SF	3460	\$35.00	\$121,100.00
45	0922001	BITUMINOUS CONCRETE SIDEWALK	SY	30	\$80.00	\$2,400.00
46	0922500 A	BITUMINOUS CONCRETE DRIVEWAY-COMMERCIAL	SY	120	\$75.00	\$9,000.00
47	0922501 A	BITUMINOUS CONCRETE DRIVEWAY	SY	950	\$70.00	\$66,500.00
48	0924006 A	CONCRETE DRIVEWAY RAMP	S.F	17000	\$18.00	\$306,000.00
49	0939001	SWEEPING FOR DUST CONTROL	HR	100	\$55.00	\$5,500.00
50	0942001	CALCIUM CHLORIDE FOR DUST CONTROL	TON	5	\$600.00	\$3,000.00
51	0943001	WATER FOR DUST CONTROL	M-GAL	600	\$8.00	\$4,800.00
52	0944002	FURNISHING AND PLACING TOPSOIL	SY	1800	\$7.00	\$12,600.00
53	0949003 A	RESTORATION	LS	1	\$50,000.00	\$50,000.00
54	0950005 A	TURF ESTABLISHMENT	SY	1800	\$2.50	\$4,500.00
55	0969060 A	CONSTRUCTION FIELD OFFICE, SMALL	MO	24	\$4,500.00	\$108,000.00
56	0970006 A	TRAFFIC PERSON (MUNICIPAL POLICE OFFICER)	EST	1	\$420,000.00	\$420,000.00
57	0971001 A	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1	*	*
58	0975004	MOBILIZATION AND PROJECT CLOSEOUT	LS	1	*	*
59	0980001 A	CONSTRUCTION STAKING	LS	1	*	*
60	1206023 A	REMOVAL AND RELOCATION OF EXISTING SIGNS	LS	1	\$5,000.00	\$5,000.00
61	1210101	4" WHITE EPOXY RESIN PAVEMENT MARKINGS	LF	8750	\$1.00	\$8,750.00
62	1210102	4" YELLOW EPOXY RESIN PAVEMENT MARKINGS	LF	8750	\$1.00	\$8,750.00
63	1210105	EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS, AND LEGENDS	S.F	4500	\$6.00	\$27,000.00
64	1220011 A	CONSTRUCTION SIGNS- TYPE III REFLECTIVE SHEETING	S.F	500	\$25.00	\$12,500.00
65	1302054 A	REPLACE CURB BOX	EA	18	\$1,000.00	\$18,000.00



**PRELIMINARY ESTIMATE OF CONSTRUCTION COST**

Town City of New Britain  
Project **Allen Street**  
Project # **2164**  
Calculated by CAH DATE 5/23/2024  
Checked by JAC

66	1303389 A	SERVICE CONNECTION (WATER MAIN)	EA	35	\$5,000.00	\$175,000.00
67	1401054 A	SEWAGE FLOW BYPASS PUMPING	LS	1	\$200,000.00	\$200,000.00
68	1401630 A	(SANITARY) CHIMNEY	VLF	150	\$300.00	\$45,000.00
69	1401637 A	(SANITARY) SEWER CONNECTION	LF	1355	\$60.00	\$81,300.00
70	1401647 A	(SANITARY) CLEAN-OUT	EA	2	\$2,000.00	\$4,000.00
71	1400102 A	8" POLYVINYL CHLORIDE PIPE (SANITARY SEWER)	LF	20	\$180.00	\$3,600.00
72	1401984 A	24" POLYVINYL CHLORIDE PIPE (SANITARY SEWER)	LF	3920	\$215.00	\$842,800.00
73	1403001 A	SANITARY MANHOLE TYPE I	EA	1	\$8,000.00	\$8,000.00
74	1403007 A	SANITARY DOGHOUSE MANHOLE	EA	1	\$10,000.00	\$10,000.00
75	1403011 A	SANITARY MANHOLE TYPE II MODIFIED INSIDE DROP	EA	3	\$9,000.00	\$27,000.00
76	1403094 A	SANITARY MANHOLE TYPE II, 5' DIAMETER	EA	18	\$9,000.00	\$162,000.00
77	1408605 A	BACKFLOW VALVE	EA	1	\$2,500.00	\$2,500.00
78	1500210/A	RESET MANHOLE (TELEPHONE)	EA	2	\$1,200.00	\$2,400.00
79		MATERIALS TESTING	ALLOW	1	\$15,000.00	\$15,000.00
<b>Major Items Subtotal</b>						<b>\$9,353,425.00</b>
<b>Minor Items Subtotal (0% at Final Design)</b>						<b>\$467,671.00</b>
<b>Contract Items Subtotal</b>						<b>\$9,821,096.00</b>
<b>* Other Item Allowances</b>						
Clearing and Grubbing			1	% of Contract Items Subtotal	\$	98,211
M & P of Traffic			5	% of Contract Items Subtotal	\$	491,055
Mobilization			5	% of Contract Items Subtotal	\$	491,055
Construction Staking			2	% of Contract Items Subtotal	\$	196,422
<b>Other Items Subtotal</b>						<b>\$ 1,276,743</b>
<b>CONTRACT SUBTOTAL</b>						<b>\$ 11,097,839</b>
Inflation Costs (Simple Method)						
Date of Estimate (provide date of estimate)			May-24			
Anticipated Bid Date (provide anticipated bid date)			Jan-25			
Annual Inflation (5.0% annually, 0% at Final Design)			5.0%			
Inflation Subtotal			3.0%	of Line "E"	\$	332,935
<b>TOTAL CONTRACT COST ESTIMATE (Rounded to nearest \$1000)</b>						<b>\$ 11,431,000</b>
<b>Project Costs Summary (Construction Phase)</b>						
Contract Cost Estimate					\$	11,431,000
Contingencies		7.5%			\$	857,325
Contract Administration and Construction Inspection		8.0%			\$	914,480
ROW					n/a	
Utilities (Estimated Watermain Relocation Allowance)					\$	500,000
Add'l Survey, Geotechnical, Design					\$	200,000
<b>TOTAL PROJECT COST (Rounded to nearest \$1000)</b>						<b>\$ 13,903,000</b>