Appendix C – Project Cost Estimates

Downtown Anchorage: Single Block Retrofit - No Pedestrian Lights Lighting and Signal Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
EMOVA						
	Remove Steel Conduit	0	L.F.	\$5.00	\$0.00	
30.08 M	Remove Junction Box		EA	\$325.00	\$0.00	
0.14 SP	Remove Load Center	0	EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	2	EA	\$1,200.00	\$2,400.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	400	S.Y.	\$18.00	\$7,200.00	
20.08 M	Remove Existing Curb and Gutter	20	L.F.	\$8.00	\$160.00	
20.09 M	Remove Existing Pavement	25	S.Y.	\$4.00	\$100.00	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
NSTALL	ATIONS					
30.04 M	P.C.C. Curb Ramp	2	EA.	\$3,500.00	\$7,000.00	
30.03 M	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	400	S.Y.	\$230.00	\$92,000.00	
30.02 M	P.C.C. Curb & Gutter (All Types)	20	L.F.	\$33.00	\$660.00	
20.28 M	Existing Driveway Reconstruction, Concrete	40	S.Y.	\$120.00	\$4,800.00	
20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M	Leveling Course (2 tons/CY)	3	TON	\$30.00	\$90.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	6	TON	\$170.00	\$1,020.00	
55.12 M	Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M	Trench and Backfill (2' x 3')	400	L.F.	\$19.00	\$7,600.00	
70.09 M	Remove and Reset Parking Meter	15	EA.	\$175.00	\$2,625.00	
IGHTING	G					
80.23 M	Luminaire, 106W LED	4	EA.	\$2,000	\$8,000.00	
80.06 M	Luminaire Arm, 15' Length	4	EA.	\$1,075.00	\$4,300.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	4	EA.	\$4,150.00	\$16,600.00	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	4	EA.	\$3,500.00	\$14,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	400	L.F.	\$5.00	\$2,000.00	
80.07 M	2" Steel Conduit (GRSC)	400	L.F.	\$22.50	\$9,000.00	
	Junction Box (Type IA)	4	EA.	\$1,000.00	\$4,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')		EA.	\$5,000.00	\$0.00	
	Load Center	0	EA.	\$12,000.00	\$0.00	
	Pedestrian Luminaire, LED	•	EA.	\$2,200.00	\$0.00	
	CONTROL			v=,= v · · · · ·	4 4 4 4 4 4	
	Cordova St and 4th Ave	0	LS	All Req'd	\$0	
	Gambell St and 4th Ave	0	LS	All Reg'd	\$0	
	Ingra St and 4th Ave	0	LS	All Reg'd	\$0	
NTERCO	· ·				**	
80.99 SP	Interconnect Conduit and Cable	0	L.F.	\$30.00	\$0	
80.99 SP	Interconnect Type I Vault	0	EA.	\$5,500.00	\$0	
THER	mereomeet Type I vaait	v	271.	ψυ,υσσ.σσ	40	
TILLIC	Erosion/Pollution Control	1	LS	All Reg'd	\$3,840	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	270 of pay items
	Traffic Maintenance	1	LS	All Req'd	\$18,360	10% of pay items
	Construction Surveying	1	LS	All Req'd		2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$10,100	5.5% of pay items
		1	LS	-		5.570 of pay items
	Construction Administration	I	LS	All Req'd	\$26,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$253,025	
TILITIE	S					
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
OST EST	TIMATE SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$61,000	
				-		
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$253,000	
	Contract Administration		LS		\$84,000	
	Contingencies		%	15%	\$61,000	
	Contingencies					

Downtown Anchorage: Single Block Retrofit - With Pedestrian Lights **Lighting and Signal Upgrades Construction Cost Estimates**

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVAI						
	Remove Steel Conduit	0	L.F.	\$5.00	\$0.00	
80.08 M	Remove Junction Box		EA	\$325.00	\$0.00	1
	Remove Load Center	0	EA	\$1,400.00	\$0.00	
	Remove Luminaire Pole	2	EA	\$1,200.00	\$2,400.00	
	Remove Existing Sidewalk or Concrete Apron	400	S.Y.	\$18.00	\$7,200.00	
	Remove Existing Curb and Gutter	20	L.F.	\$8.00	\$160.00	
	Remove Existing Pavement	25	S.Y.	\$4.00	\$100.00	
	Unusable Excavation		C.Y.	\$35.00	\$0.00	1
INSTALLA		2	Ε.Α.	¢2.500.00	67,000,00	
	P.C.C. Curb Ramp	2	EA.	\$3,500.00	\$7,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types)	400 20	S.Y. L.F.	\$230.00	\$92,000.00 \$660.00	
	Existing Driveway Reconstruction, Concrete	40	S.Y.	\$33.00 \$120.00	\$4,800.00	
	Classified Fill and Backfill, Type B (2 tons/CY)	40	TON	\$16.00	\$0.00	
	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
	Leveling Course (2 tons/CY)	3	TON	\$30.00	\$90.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	6	TON	\$170.00	\$1,020.00	
	Adjust Catch Basin to Finish Grade	· ·	EA.	\$1,000.00	\$0.00	
	Trench and Backfill (2' x 3')	500	L.F.	\$19.00	\$9,500.00	
	Remove and Reset Parking Meter	15	EA.	\$175.00	\$2,625.00	
LIGHTING			*		. ,	
	Luminaire, 106W LED	3	EA.	\$2,000	\$6,000.00	
80.06 M	Luminaire Arm, 15' Length	3	EA.	\$1,075.00	\$3,225.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	3	EA.	\$4,150.00	\$12,450.00	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
	Cast-In-Place Luminaire Pole Foundations	9	EA.	\$3,500.00	\$31,500.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	500	L.F.	\$5.00	\$2,500.00	4
80.07 M	2" Steel Conduit (GRSC)	500	L.F.	\$22.50	\$11,250.00	
	Junction Box (Type IA)	9	EA.	\$1,000.00	\$9,000.00	
	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
	Pedestrian Luminaire Pole (12')	6	EA.	\$5,000.00	\$30,000.00	
	Load Center	0	EA.	\$12,000.00	\$0.00	1
	Pedestrian Luminaire, LED	6	EA.	\$2,200.00	\$13,200.00	
TRAFFIC	CONTROL	0	1.0	A 11 D1.1	60	
	Comball St and 4th Ave	0	LS	All Req'd	\$0	
	Gambell St and 4th Ave Ingra St and 4th Ave	0	LS LS	All Req'd All Req'd	\$0 \$0	
INTERCO	·	0	LS	All Requ	30	
	Interconnect Conduit and Cable	0	L.F.	\$30.00	\$0	
	Interconnect Type I Vault	0	EA.	\$5,500.00	\$0	
OTHER	moreomeet Type I vaan	v	271.	ψυ,υ σσ.σσ		
	Erosion/Pollution Control	1	LS	All Reg'd	\$5,160	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$24,670	10% of pay items
	Construction Surveying	1	LS	All Req'd		2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$13,570	5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$34,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$336,510	
UTILITIES					4000,010	
	Utility Preliminary Design		LS	All Dagld	\$11,000	
	, ,			All Req'd		
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
COST EST	IMATE SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$81,000	
	Utilities (placeholder)		LS	-		
	4 ,			All Req'd	\$11,000	
	Construction		LS		\$337,000	
	Contract Administration		LS		\$111,000	
	Contingencies		%	15%	\$81,000	
				Total:	\$621,000	Est Design/Construction Costs

Total:

 $\$621,\!000 \quad \text{Est. Design/Construction Costs}$

Downtown Anchorage: Stand Alone Traffic Signal Lighting and Signal Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVAI						
	Remove Steel Conduit	0		\$5.00	\$0.00	
80.08 M	Remove Junction Box		EA	\$325.00	\$0.00	
80.14 SP	Remove Load Center	1	EA	\$1,400.00	\$1,400.00	
80.28 M	Remove Luminaire Pole	2	EA	\$1,200.00	\$2,400.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	60	S.Y.	\$18.00	\$1,080.00	
20.08 M	Remove Existing Curb and Gutter	100	L.F.	\$8.00	\$800.00	
20.09 M	Remove Existing Pavement	100	S.Y.	\$4.00	\$400.00	
	Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLA		0	Ε.	¢2.500.00	¢20,000,00	
	P.C.C. Curb Ramp	8	EA.	\$3,500.00	\$28,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	60 100	S.Y. L.F.	\$230.00	\$13,800.00	
	P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete	0	S.Y.	\$33.00 \$120.00	\$3,300.00 \$0.00	
20.28 M 20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)	U	TON	\$16.00	\$0.00	
	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
	Leveling Course (2 tons/CY)	12	TON	\$30.00	\$360.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	23	TON	\$170.00	\$3,910.00	
	Adjust Catch Basin to Finish Grade	23	EA.	\$1,000.00	\$0.00	
80.02 M	Trench and Backfill (2' x 3')		L.F.	\$19.00	\$0.00	
70.09 M	Remove and Reset Parking Meter		EA.	\$175.00	\$0.00	
LIGHTING	·		•			
	Luminaire, 106W LED		EA.	\$2,000	\$0.00	
	Luminaire Arm, 15' Length		EA.	\$1,075.00	\$0.00	
	Luminaire Pole, Fixed Base 26 ft.		EA.	\$4,150.00	\$0.00	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations		EA.	\$3,500.00	\$0.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable		L.F.	\$5.00	\$0.00	
80.07 M	2" Steel Conduit (GRSC)		L.F.	\$22.50	\$0.00	
80.08 M	Junction Box (Type IA)		EA.	\$1,000.00	\$0.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')		EA.	\$5,000.00	\$0.00	
	Load Center	1	EA.	\$12,000.00	\$12,000.00	
	Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0.00	
TRAFFIC	CONTROL	1	1.0	A 11 D1.1	6200.000	
	Traffic Signal	1	LS	All Req'd	\$300,000	
	Gambell St and 4th Ave Ingra St and 4th Ave	0	LS LS	All Req'd All Req'd	\$0 \$0	
INTERCO		0	LS	All Kequ	\$0	
	Interconnect Conduit and Cable	0	L.F.	\$30.00	\$0	
80.99 SP	Interconnect Type I Vault	0	EA.	\$5,500.00	\$0	
OTHER	interconnect Type I value	v	23.1.	\$2,200.00		
	Erosion/Pollution Control	1	LS	All Reg'd	\$7.680	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	1 2
	Traffic Maintenance	1	LS	All Req'd	\$36,750	10% of pay items
	Construction Surveying	1	LS	All Req'd		2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd		5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$50,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$496,940	
UTILITIES					ψ.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
CILLIE			10	All David	60	
	Utility Preliminary Design		LS	All Req'd	\$0	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$0	
COST EST	IMATE SUMMARY				COST	
			LS	All Pagld	\$86,000	
	Preliminary Design			All Req'd		
	Utilities (placeholder)		LS	All Req'd	\$0	
	Construction		LS		\$497,000	
	Contract Administration		LS		\$150,000	
1	Contingencies		%	15%	\$110,000	
	•					
						
				Total:	\$843 000	Est Design/Construction Costs

Total:

 $\$843,\!000 \quad \text{Est. Design/Construction Costs}$

Downtown Anchorage: 4th Avenue, L Street to A Street Lighting and Signals Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
EMOVAI						
80.07 SP	Remove Steel Conduit	17215	L.F.	\$5.00	\$86,075.00	
80.08 M	Remove Junction Box	115	EA	\$325.00	\$37,375.00	
30.14 SP	Remove Load Center	100	EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	122	EA	\$1,200.00	\$146,400.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	11600	S.Y.	\$18.00	\$208,800.00	
20.08 M	Remove Existing Curb and Gutter	7715	L.F.	\$8.00	\$61,720.00	
20.09 M	Remove Existing Pavement	2410	S.Y.	\$4.00	\$9,640.00	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
NSTALLA 20.04 M		90	E.A.	62 500 00	¢200 000 00	
	P.C.C. Curb Ramp	80	EA.	\$3,500.00	\$280,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	11600	S.Y.	\$230.00	\$2,668,000.00	
	P.C.C. Curb & Gutter (All Types)	7715	L.F.	\$33.00	\$254,595.00	
20.28 M	Existing Driveway Reconstruction, Concrete	5	S.Y.	\$120.00	\$600.00	
20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)	269	TON	\$28.00	\$0.00	
20.22 M	Leveling Course (2 tons/CY)	268	TON	\$30.00	\$8,040.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	555	TON	\$170.00	\$94,350.00	
55.12 M	Adjust Catch Basin to Finish Grade	7200	EA.	\$1,000.00	\$0.00	
80.02 M	Trench and Backfill (2' x 3')	7200	L.F.	\$19.00	\$136,800.00	
70.09 M	Remove and Reset Parking Meter	110	EA.	\$175.00	\$19,250.00	
LIGHTING		26	E A	62.000	¢52.000.00	
	Luminaire, 106W LED	26	EA.	\$2,000	\$52,000.00	
80.06 M	Luminaire Arm, 15' Length	26 26	EA.	\$1,075.00 \$4,150.00	\$27,950.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	26	EA.	\$4,150.00	\$107,900.00	
80.04 M	Driven Pile Luminaire Pole Foundations	122	EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	122	EA.	\$3,500.00	\$427,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	14400	L.F.	\$5.00	\$72,000.00	
80.07 M	2" Steel Conduit (GRSC)	14400	L.F.	\$22.50	\$324,000.00	
80.08 M	Junction Box (Type IA)	122	EA.	\$1,000.00	\$122,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)	0.6	EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	96	EA.	\$5,000.00	\$480,000.00	
80.14 M	Load Center	9	EA.	\$12,000.00	\$108,000	
80.23 M	Pedestrian Luminaire, LED	96	EA.	\$2,200.00	\$211,200.00	
RAFFIC	CONTROL				62.62.000	
	L St and 4th Ave	1	LS	All Req'd	\$262,000	
	I St and 4th Ave	1	LS	All Req'd	\$262,000	
	H St and 4th Ave	1	LS	All Req'd	\$280,000	
	G St and 4th Ave	1	LS	All Req'd	\$254,000	
	F St and 4th Ave	1	LS	All Req'd	\$256,000	
	E St and 4th Ave	1	LS	All Req'd	\$261,000	
	D St and 4th Ave	1	LS	All Req'd	\$252,000	
	C St and 4th Ave	1	LS	All Req'd	\$280,000	
	A St and 4th Ave	1	LS	All Req'd	\$253,000	
NTERCO						
80.99 SP	Interconnect Conduit and Cable	3625	L.F.	\$30.00	\$108,750	
80.99 SP	Interconnect Type I Vault	9	EA.	\$5,500.00	\$49,500	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd	\$176,850	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$846,190	10% of pay items
	Construction Surveying	1	LS	All Req'd	\$169,240	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd		5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$1,126,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$11,253,135	
TILITIES	S					
	Utility Preliminary Design		LS	All Reg'd	\$11,000	
	, , ,		LF			
	Gas Line Relocate			\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
OST EST	TIMATE SUMMARY			Cimiles Buototal	COST	
JOSTESI			T C	A 11 P		
	Preliminary Design		LS	All Req'd	\$2,611,000	
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$11,253,000	
	Contract Administration		LS	j	\$3,584,000	
				1	-5,50.,000	Ī
	Contingencies		%	15%	\$2,619,000	

Downtown Anchorage: 3rd Avenue, L Street to Barrow Street Lighting and Signal Upgrades Construction Cost Estimates Project 14-48

80.08 M 80.14 SP 80.28 M		Quantity 300	Unit L.F.	Unit Cost	Total Cost	Remarks
80.07 SP 80.08 M 80.14 SP 80.28 M	Remove Steel Conduit	300	1.17	1		
80.08 M 80.14 SP 80.28 M			L.F.	\$5.00	\$1,500.00	
80.28 M	Remove Junetion Box	8	EA	\$325.00	\$2,600.00	
	Remove Load Center	1	EA	\$1,400.00	\$1,400.00	
20.07 M	Remove Luminaire Pole	42	EA	\$1,200.00	\$50,400.00	
	Remove Existing Sidewalk or Concrete Apror	5250	S.Y.	\$18.00	\$94,500.00	
	Remove Existing Curb and Gutter	220	L.F.	\$8.00	\$1,760.00	
	Remove Existing Pavement	275	S.Y.	\$4.00	\$1,100.00	
	Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLA						
	P.C.C. Curb Ramp	22	EA.	\$3,500.00	\$77,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	5250	S.Y.	\$230.00	\$1,207,500.00	
	P.C.C. Curb & Gutter (All Types)	220	L.F.	\$33.00	\$7,260.00	
	Existing Driveway Reconstruction, Concrete	440	S.Y.	\$120.00	\$52,800.00	
	, ,,		TON	\$16.00	\$0.00	
	Classified Fill and Backfill, Type A (2 tons/CY)	21	TON	\$28.00	\$0.00	
	Leveling Course (2 tons/CY)	31	TON	\$30.00	\$930.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	64	TON	\$170.00	\$10,880.00	
	Adjust Catch Basin to Finish Grade	5500	EA.	\$1,000.00	\$0.00	
	Trench and Backfill (2' x 3')	5500 25	L.F. EA.	\$19.00 \$175.00	\$104,500.00 \$4,375.00	
70.09 M LIGHTING	Remove and Reset Parking Meter	25	EA.	\$175.00	\$4,375.00	
	Luminaire, 106W LED	33	EA.	\$2,000	\$66,000	
	Luminaire, 100 W LED Luminaire Arm, 15' Length	33	EA.	\$1,075.00	\$35,475	
	Luminaire Pole, Fixed Base 26 ft.	33	EA.	\$4,150.00	\$136,950	
		33	EA. EA.	\$2,000.00	\$130,930	
	Cast-In-Place Luminaire Pole Foundations	99	EA.	\$3,500.00	\$346,500	
		5500	L.F.	\$5,500.00	\$27,500	
	2" Steel Conduit (GRSC)	5500	L.F.	\$22.50	\$123,750	
	Junction Box (Type IA)	99	EA.	\$1,000.00	\$99,000	
	Junction Box (Type II)		EA.	\$2,000.00	\$0	
	Junction Box (Type III)		EA.	\$2,600.00	\$0	
	Pedestrian Luminaire Pole (12')	66	EA.	\$2,000.00	\$132,000	
	Load Center	1	EA.	\$12,000.00	\$12,000	
	Pedestrian Luminaire, LED	66	EA.	\$1,000.00	\$66,000	
TRAFFIC	CONTROL					
i	H St and 3rd Ave	1	LS	\$270,000.00	\$270,000	
i	C St and 3rd Ave	1	LS	\$291,000.00	\$291,000	
	A St and 3rd Ave	1	LS	\$271,000.00	\$271,000	
INTERCO						
	Interconnect Conduit and Cable	5240	L.F.	\$30.00	\$157,200	
	Interconnect Type I Vault	6	EA.	\$5,500.00	\$33,000	
OTHER	F : /D !! .: C 1	,	T. C.	4 11 D 11	077.020	20/ 6 :
	Erosion/Pollution Control	1	LS	All Req'd		2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	100/ of max its
	Traffic Maintenance	I	LS	All Req'd	\$368,590 \$73,720	10% of pay items 2% of pay items
	Construction Surveying Mobilization/Demobilization	1	LS LS	All Req'd All Req'd	\$73,720 \$202,720	5.5% of pay items
		1		· · · · · · · · · · · · · · · · · · ·		5.570 Of pay Items
	Construction Administration	1	LS	All Req'd	\$491,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$4,906,440	
UTILITIES						
l	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	5			· ·	\$0 \$0	
	Overhead Electric Relocate		EA	\$100,000.00		
				Utilities Subtotal	\$11,000	
COST EST	TMATE SUMMARY				COST	
l	Preliminary Design		LS	All Req'd	\$1,140,000	
i	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS	· 1	\$4,906,000	
l	Contract Administration		LS		\$1,565,000	
i				150/		
	Contingencies		%	15%	\$1,143,000	1

Total:

\$8,765,000 Est. Design/Construction Costs

Downtown Anchorage: 4th Avenue, A Street to Ingra Street **Lighting and Signal Upgrades Construction Cost Estimates**

Project 14-48

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS	- Zumury				
80.07 SP Remove Steel Conduit	1680	L.F.	\$5.00	\$8,400.00	
80.08 M Remove Junction Box		EA	\$325.00	\$0.00	
80.14 SP Remove Load Center	3	EA	\$1,400.00	\$4,200.00	
80.28 M Remove Luminaire Pole	32	EA	\$1,200.00	\$38,400.00	
20.07 M Remove Existing Sidewalk or Concrete Aprox		S.Y.	\$18.00	\$95,760.00	
20.08 M Remove Existing Curb and Gutter	280	L.F.	\$8.00	\$2,240.00	
20.09 M Remove Existing Pavement	350	S.Y.	\$4.00	\$1,400.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS	•			***	
30.04 M P.C.C. Curb Ramp	28	EA.	\$3,500.00	\$98,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish		S.Y.	\$230.00	\$1,223,600.00	
30.02 M P.C.C. Curb & Gutter (All Types)	280	L.F.	\$33.00	\$9,240.00	
20.28 M Existing Driveway Reconstruction, Concrete	320	S.Y.	\$120.00	\$38,400.00	
20.21 M Classified Fill and Backfill, Type B (2 tons/C		TON	\$16.00	\$0.00	
20.21 M Classified Fill and Backfill, Type A (2 tons/C	,	TON	\$28.00	\$0.00	
20.22 M Leveling Course (2 tons/CY)	39	TON	\$30.00	\$1,170.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch) 55.12 M Adjust Catch Basin to Finish Grade	81	TON	\$170.00 \$1,000.00	\$13,770.00	
80.02 M Trench and Backfill (2' x 3')	3200	EA. L.F.	\$1,000.00	\$0.00 \$60,800.00	
70.09 M Remove and Reset Parking Meter	10	EA.	\$19.00 \$175.00	\$1,750.00	
LIGHTING	10	L/A.	\$175.00	\$1,750.00	
80.23 M Luminaire, 106W LED	32	EA.	\$2,000	\$64,000.00	
80.06 M Luminaire Arm, 15' Length	32	EA.	\$1,075.00	\$34,400.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.	32	EA.	\$4,150.00	\$132,800.00	
80.04 M Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M Cast-In-Place Luminaire Pole Foundations	32	EA.	\$3,500.00	\$112,000.00	
80.10 M Conductor, 3C #8 AWG XHHW-2 Cable	3200	L.F.	\$5.00	\$16,000.00	
80.07 M 2" Steel Conduit (GRSC)	3200	L.F.	\$22.50	\$72,000.00	
80.08 M Junction Box (Type IA)	32	EA.	\$1,000.00	\$32,000.00	
80.08 M Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M Pedestrian Luminaire Pole (12')		EA.	\$5,000.00	\$0.00	
80.14 M Load Center	3	EA.	\$12,000.00	\$36,000.00	
80.23 M Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0.00	
TRAFFIC CONTROL		* ~			
Cordova St and 4th Ave	1	LS	All Req'd	\$259,000	
Gambell St and 4th Ave	1	LS	All Req'd	\$243,000	
Ingra St and 4th Ave INTERCONNECT	1	LS	All Req'd	\$236,000	
80.99 SP Interconnect Conduit and Cable	1440	L.F.	\$30.00	\$43,200	
80.99 SP Interconnect Type I Vault	3	EA.	\$5,500.00	\$16,500	
OTHER		13/1.	ψ5,500.00	Ψ10,500	
Erosion/Pollution Control	1	LS	All Reg'd	\$60,490	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	r.y
Traffic Maintenance	1	LS	All Reg'd	\$289,400	10% of pay items
Construction Surveying	1	LS	All Req'd	\$57,880	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$159,170	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$386,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$3,854,470	
UTILITIES				,, , , ,	
Utility Preliminary Design		LS	All Req'd	\$11,000	
, , ,					
Gas Line Relocate		LF	\$75.00	\$0	
Underground Telephone Relocate		LF	\$50.00	\$0	
Underground Electric Relocate		LF	\$50.00	\$0	
Overhead Electric Relocate		EA	\$100,000.00	\$0	
			Utilities Subtotal	\$11,000	
COST ESTIMATE SUMMARY				COST	
Preliminary Design		LS	All Reg'd	\$896,000	
		LS		\$11,000	
Utilities (placeholder)			All Req'd		
Construction		LS		\$3,854,000	
Contract Administration		LS		\$1,230,000	
Contingencies		%	15%	\$899,000	
			Total:	66 800 000	

Total:

\$6,890,000 Est. Design/Construction Costs

Downtown Anchorage: 6th Avenue, L Street to Cordova Street Lighting and Signals Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA						
	Remove Steel Conduit	11845	L.F.	\$5.00	\$59,225.00	
80.08 M	Remove Junction Box	120	EA	\$325.00	\$39,000.00	
80.14 SP	Remove Load Center	8	EA	\$1,400.00	\$11,200.00	
80.28 M	Remove Luminaire Pole	109	EA	\$1,200.00	\$130,800.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	8000	S.Y.	\$18.00	\$144,000.00	
20.08 M	Remove Existing Curb and Gutter	7100	L.F.	\$8.00	\$56,800.00	
20.09 M	Remove Existing Pavement	1600	S.Y.	\$4.00	\$6,400.00	
	Unusable Excavation		C.Y.	\$35.00	\$0.00	
NSTALLA			****		40100	
	P.C.C. Curb Ramp	67	EA.	\$3,500.00	\$234,500.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	8000	S.Y.	\$230.00	\$1,840,000.00	
	P.C.C. Curb & Gutter (All Types)	7100	L.F.	\$33.00	\$234,300.00	
	Existing Driveway Reconstruction, Concrete	280	S.Y.	\$120.00	\$33,600.00	
20.23 M	Classified Fill and Backfill, Type B (2 tons/CY)	200	TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
		170				
	Leveling Course (2 tons/CY)	178	TON	\$30.00	\$5,340.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	368	TON	\$170.00	\$62,560.00	
	Adjust Catch Basin to Finish Grade	19	EA.	\$1,000.00	\$19,000.00	
80.02 M	Trench and Backfill (2' x 3')	4250	L.F.	\$19.00	\$80,750.00	
70.09 M	Remove and Reset Parking Meter	62	EA.	\$175.00	\$10,850.00	
IGHTING						
	Luminaire, 106W LED	36	EA.	\$2,000	\$72,000.00	
80.06 M	Luminaire Arm, 15' Length	36	EA.	\$1,075.00	\$38,700.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	36	EA.	\$4,150.00	\$149,400.00	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	108	EA.	\$3,500.00	\$378,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	8500	L.F.	\$5.00	\$42,500.00	
80.07 M	2" Steel Conduit (GRSC)	8500	L.F.	\$22.50	\$191,250.00	
80.08 M	Junction Box (Type IA)	108	EA.	\$1,000.00	\$108,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
	1 7 7	70				
80.05 M	Pedestrian Luminaire Pole (12')	72	EA.	\$5,000.00	\$360,000.00	
80.14 M	Load Center	8	EA.	\$12,000.00	\$96,000	
80.23 M	Pedestrian Luminaire, LED	72	EA.	\$2,200.00	\$158,400.00	
RAFFIC	CONTROL					
	I St and 6th Ave	1	LS	\$214,000.00	\$214,000	
	H St and 6th Ave	1	LS	\$246,000.00	\$246,000	
	G St and 6th Ave	1	LS	\$246,000.00	\$246,000	
	F St and 6th Ave	1	LS	\$193,000.00	\$193,000	
	D St and 6th Ave	1	LS	\$207,000.00	\$207,000	
	C St and 6th Ave	1	LS			
		1		\$231,000.00	\$231,000	
	A St and 6th Ave	1	LS	\$249,000.00	\$249,000	
TERR CO	Cordova St and 6th Ave	1	LS	\$231,000.00	\$231,000	
NTERCO						
	Interconnect Conduit and Cable	3650	L.F.	\$30.00	\$109,500	
80.99 SP	Interconnect Type I Vault	8	EA.	\$5,500.00	\$44,000	
THER						
	Erosion/Pollution Control	1	LS	All Req'd		2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$653,310	10% of pay items
	Construction Surveying	1	LS	All Reg'd		2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd		5.5% of pay items
	Construction Administration	1	LS	All Reg'd	\$875,000	, , , , , , , , , , , , , , , , , , ,
		1	LO	-		
	CONSTRUCTION CONTRACT COST			Subtotal	\$8,695,405	
TILITIES	S					
	Utility Preliminary Design		LS	All Reg'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Hydrant Relocate		EA	\$15,000.00	\$0	
	Sewerline Relocate		LF	\$150.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	-
				Utilities Subtotal	\$11,000	
OST EST	TIMATE SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$1,950,000	
				_		
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$8,695,000	
	Contract Administration		LS		\$2,650,000	
	Contingencies		%	15%	\$1,996,000	
				13/0	91,770,000	i e
	Contingencies			l l		

Downtown Anchorage: 5th Avenue, L Street to Cordova Street Lighting and Signals Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA		Zumniy	Cint	Cinc Cost	10001 (00)	IXIII R5
80.07 SP	Remove Steel Conduit	8600	L.F.	\$5.00	\$43,000.00	
80.08 M	Remove Junction Box	146	EA	\$325.00	\$47,450.00	
80.14 SP	Remove Load Center	6	EA	\$1,400.00	\$8,400.00	
80.28 M	Remove Luminaire Pole	108	EA	\$1,200.00	\$129,600.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	8000	S.Y.	\$18.00	\$144,000.00	
20.08 M	Remove Existing Curb and Gutter	240	L.F.	\$8.00	\$1,920.00	
20.09 M	Remove Existing Pavement	1818	S.Y.	\$4.00 \$35.00	\$7,272.00	
20.10 M INSTALLA	Unusable Excavation		C.Y.	\$35.00	\$0.00	
	P.C.C. Curb Ramp	62	EA.	\$3,500.00	\$217,000.00	
30.03 M	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	8000	S.Y.	\$230.00	\$1,840,000.00	
30.02 M	P.C.C. Curb & Gutter (All Types)	240	L.F.	\$33.00	\$7,920.00	
20.28 M	Existing Driveway Reconstruction, Concrete	280	S.Y.	\$120.00	\$33,600.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M	Leveling Course (2 tons/CY)	202 419	TON	\$30.00	\$6,060.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)		TON	\$170.00	\$71,230.00	
55.10 M 80.02 M	Relocate Catch Basin Trench and Backfill (2' x 3')	0 8000	EA. L.F.	\$1,000.00 \$19.00	\$0.00 \$152,000.00	
70.09 M	Remove and Reset Parking Meter	120	EA.	\$175.00	\$132,000.00	
LIGHTING		120	2.71 %.	\$175.00	Ψ21,000.00	
80.23 M	Luminaire, 106W LED	36	EA.	\$2,000	\$72,000.00	
80.06 M	Luminaire Arm, 15' Length	36	EA.	\$1,075.00	\$38,700.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	36	EA.	\$4,150.00	\$149,400.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	108	EA.	\$3,500.00	\$378,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	6000	L.F.	\$5.00	\$30,000.00	
80.07 M 80.08 M	2" Steel Conduit (GRSC) Junction Box (Type IA)	6000 80	L.F. EA.	\$22.50 \$1,000.00	\$135,000.00 \$80.000.00	
80.08 M 80.08 M	Junction Box (Type II)	80	EA. EA.	\$1,000.00	\$80,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	72	EA.	\$5,000.00	\$360,000.00	
80.14 M	Load Center	10	EA.	\$12,000.00	\$120,000	
80.23 M	Pedestrian Luminaire, LED	72	EA.	\$2,200.00	\$158,400.00	
TRAFFIC	CONTROL					
	L St and 5th Ave	1	LS	All Req'd	\$268,000	
	I St and 5th Ave	1	LS	All Req'd	\$293,000	
	H St and 5th Ave	1	LS	All Req'd	\$272,000	
	G St and 5th Ave F St and 5th Ave	1	LS LS	All Req'd All Reg'd	\$248,000 \$125,000	
	D St and 5th Ave	1	LS	All Req'd	\$123,000 \$194,000	
	C St and 5th Ave	1	LS	All Reg'd	\$270,000	
	B St and 5th Ave	1	LS	All Req'd	\$194,000	
ĺ	A St and 5th Ave	1	LS	All Req'd	\$270,000	
	Cordova St and 5th Ave	1	LS	All Req'd	\$261,000	
INTERCO		40.00	I.P.	#20.00	#130 CCC	
80.99 SP	Interconnect Conduit and Cable	4360	L.F.	\$30.00	\$130,800	
80.99 SP OTHER	Interconnect Type I Vault	11	EA.	\$5,500.00	\$60,500	
JIHER	Erosion/Pollution Control	1	LS	All Req'd	\$142,920	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	or pay none
	Traffic Maintenance	1	LS	All Req'd		10% of pay items
	Construction Surveying	1	LS	All Req'd	\$136,770	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd		5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$910,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$9,095,372	
UTILITIES	s <u> </u>					
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Sewerline Relocate		LF	\$150.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
	2		211	Utilities Subtotal	\$11,000	
COST EST	TIMATE SUMMARY			Cinico Subiolai	COST	
COSTEST	Preliminary Design		LS	All Req'd	\$2,111,000	
				-		
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$9,095,000	
	Contract Administration		LS		\$2,897,000	
	Contingencies		%	15%	\$2,117,000	
ı						

Total:

 $\$16,\!231,\!000 \quad \text{Est. Design/Construction Costs}$

Downtown Anchorage: F Street, 3rd Avenue to 5th Avenue **Lighting Upgrades Construction Cost Estimates**

Project 14-48

temove Steel Conduit temove Junction Box temove Load Center temove Luminaire Pole temove Existing Sidewalk or Concrete Apror temove Existing Curb and Gutter temove Existing Pavement Junusable Excavation TONS C.C. Curb Ramp C.C. Sidewalk (4" Thick) (Aggregate Finish) C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type B (2	2160 30 30 1300 40 50 4 1020 40 80 6 12 2 1000 14	L.F. EA EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON TON EA. L.F. EA.	\$5.00 \$325.00 \$1,400.00 \$1,200.00 \$18.00 \$8.00 \$4.00 \$35.00 \$35.00 \$120.00 \$16.00 \$28.00 \$170.00 \$1,000.00 \$19.00	\$10,800.00 \$9,750.00 \$0.00 \$36,000.00 \$23,400.00 \$200.00 \$14,000.00 \$234,600.00 \$1,320.00 \$0.00 \$0.00 \$1,320.00 \$0.00 \$1,320.00 \$0.00 \$1,000.00 \$1,000.00	
temove Junction Box temove Load Center temove Luminaire Pole temove Existing Sidewalk or Concrete Apron temove Existing Curb and Gutter temove Existing Pavement Junusable Excavation TIONS C.C. Curb Ramp C.C. Sidewalk (4" Thick) (Aggregate Finish) C.C. Sidewalk (4" Thick) (Aggregate Finish) C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Caveveling Course (2 tons/CY) C.C. Pavement (Class A) (115 lbs/SY Inch) Edjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Temove and Reset Parking Meter Tuminaire, 106W LED Tuminaire Arm, 15' Length	30 30 1300 40 50 4 1020 40 80 6 12 2 1000 14	EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON TON EA. L.F.	\$325.00 \$1,400.00 \$1,200.00 \$18.00 \$8.00 \$4.00 \$35.00 \$3,500.00 \$230.00 \$120.00 \$16.00 \$28.00 \$170.00 \$1,000.00	\$9,750.00 \$0.00 \$36,000.00 \$23,400.00 \$200.00 \$0.00 \$14,000.00 \$1,320.00 \$9,600.00 \$0.00 \$1,320.00 \$0.00 \$1,320.00 \$1,320.00 \$0.00 \$1,320.00	
temove Load Center temove Luminaire Pole temove Existing Sidewalk or Concrete Apror temove Existing Curb and Gutter temove Existing Pavement drusable Excavation TONS C.C. Curb Ramp C.C. Sidewalk (4" Thick) (Aggregate Finish) C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill (2 tons/CY) Classifi	30 1300 40 50 4 1020 40 80 6 12 2 10000 14	EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON TON EA. L.F.	\$1,400.00 \$1,200.00 \$18.00 \$8.00 \$4.00 \$35.00 \$3,500.00 \$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$170.00 \$170.00	\$0.00 \$36,000.00 \$23,400.00 \$200.00 \$200.00 \$14,000.00 \$1320.00 \$9,600.00 \$0.00 \$1,320.00 \$0.00 \$1,320.00 \$2,040.00 \$2,040.00 \$1,000.00	
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temove Existing Pavement Inusable Excavation TONS C.C. Curb Ramp C.C. Sidewalk (4" Thick) (Aggregate Finish) C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill	6 1020 40 80 6 12 2 1000 14	S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON EA. L.F.	\$4.00 \$35.00 \$3,500.00 \$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00	\$200.00 \$0.00 \$14,000.00 \$234,600.00 \$1,320.00 \$9,600.00 \$0.00 \$180.00 \$2,040.00 \$2,040.00 \$19,000.00	
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C.C. Curb Ramp C.C. Sidewalk (4" Thick) (Aggregate Finish) C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) C. Pavement (Class A) (115 lbs/SY Inch) Ediust Catch Basin to Finish Grade rench and Backfill (2' x 3') Clemove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length	1020 40 80 6 12 2 1000 14	S.Y. L.F. S.Y. TON TON TON TON EA. L.F.	\$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00	\$234,600.00 \$1,320.00 \$9,600.00 \$0.00 \$180.00 \$2,040.00 \$2,000.00	
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C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) C.C. Pavement (Class A) (115 lbs/SY Inch) Edigust Catch Basin to Finish Grade Tench and Backfill (2' x 3') Temove and Reset Parking Meter Cuminaire, 106W LED Cuminaire Arm, 15' Length	40 80 6 12 2 1000 14	L.F. S.Y. TON TON TON TON EA. L.F.	\$33.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00	\$1,320.00 \$9,600.00 \$0.00 \$180.00 \$2,040.00 \$2,000.00	
existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Classified Fill and Backfill (15 tons/CY) Classified Fill (2 tons/CY) C	6 12 2 1000 14	S.Y. TON TON TON TON EA. L.F.	\$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00	\$9,600.00 \$0.00 \$0.00 \$180.00 \$2,040.00 \$2,000.00	
Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course	6 12 2 1000 14	TON TON TON TON EA. L.F.	\$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00	\$0.00 \$0.00 \$180.00 \$2,040.00 \$2,000.00 \$19,000.00	
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eveling Course (2 tons/CY) L.C. Pavement (Class A) (115 lbs/SY Inch) djust Catch Basin to Finish Grade rench and Backfill (2' x 3') temove and Reset Parking Meter cuminaire, 106W LED cuminaire Arm, 15' Length	12 2 1000 14	TON TON EA. L.F.	\$30.00 \$170.00 \$1,000.00 \$19.00	\$180.00 \$2,040.00 \$2,000.00 \$19,000.00	
A.C. Pavement (Class A) (115 lbs/SY Inch) djust Catch Basin to Finish Grade rench and Backfill (2' x 3') demove and Reset Parking Meter duminaire, 106W LED duminaire Arm, 15' Length	12 2 1000 14	TON EA. L.F.	\$170.00 \$1,000.00 \$19.00	\$2,040.00 \$2,000.00 \$19,000.00	
djust Catch Basin to Finish Grade rench and Backfill (2' x 3') temove and Reset Parking Meter tuminaire, 106W LED tuminaire Arm, 15' Length	2 1000 14	EA. L.F.	\$1,000.00 \$19.00	\$2,000.00 \$19,000.00	
rench and Backfill (2' x 3') temove and Reset Parking Meter tuminaire, 106W LED tuminaire Arm, 15' Length	1000	L.F.	\$19.00	\$19,000.00	
temove and Reset Parking Meter uminaire, 106W LED uminaire Arm, 15' Length	14				
uminaire, 106W LED uminaire Arm, 15' Length		EA.	\$175.00		
uminaire Arm, 15' Length	6		\$1/3.00	\$2,450.00	
uminaire Arm, 15' Length	6				
, 5		EA.	\$2,000	\$12,000.00	
	6	EA.	\$1,075.00	\$6,450.00	
uminaire Pole, Fixed Base 26 ft.	6	EA.	\$4,150.00	\$24,900.00	
Priven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
Cast-In-Place Luminaire Pole Foundations	18	EA.	\$3,500.00	\$63,000.00	
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				*	
` /	12				
		EA.		* *	
edestrian Luminaire, LED	12	EA.	\$2,200.00	\$26,400.00	
	1				2% of pay items
	1				
	1				10% of pay items
	1				2% of pay items
	1		•		5.5% of pay items
	1	LS			
CONSTRUCTION CONTRACT COST			Subtotal	\$811,720	
EUR D. F. C. D. C.		* ~	41175 11	011.000	
, , ,					
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overnead Electric Kelocate		EA			
MATE CUMBMADS/			Utilities Subtotal		
		7.0	A 11 D		
4			All Req'd		
contingencies		%	15%	\$191,000	
, LL W	onductor, 3C #8 AWG XHHW-2 Cable 'Steel Conduit (GRSC) inction Box (Type IA) inction Box (Type II) inction Box (Type III) inction Box (Ty	'Steel Conduit (GRSC) 1000 Inction Box (Type IA) 18 Inction Box (Type II) 18 Inction Box (Type III) 19 Inction Control 19 Inction In	'Steel Conduit (GRSC) 1000 L.F. Inction Box (Type IA) 18 EA. Inction Box (Type II) EA. EA. Inction Box (Type III) EA. EA. edestrian Luminaire Pole (12') 12 EA. oad Center EA. EA. edestrian Luminaire, LED 12 EA. rosion/Pollution Control 1 LS ield Office 1 LS raffic Maintenance 1 LS onstruction Surveying 1 LS lobilization/Demobilization 1 LS onstruction Administration 1 LS ONSTRUCTION CONTRACT COST Itlity Preliminary Desigr LS as Line Relocate LF LF nderground Electric Relocate LF LF verhead Electric Relocate EA MATE SUMMARY EA LS reliminary Design LS LS tilities (placeholder) LS Construction LS ontract Administration LS Construction LS	'Steel Conduit (GRSC) 1000 L.F. \$22.50 unction Box (Type IA) 18 EA. \$1,000.00 unction Box (Type II) EA. \$2,000.00 unction Box (Type III) EA. \$2,600.00 edestrian Luminaire Pole (12') 12 EA. \$5,000.00 oad Center EA. \$12,000.00 edestrian Luminaire, LED 12 EA. \$2,200.00 rosion/Pollution Control 1 LS All Req'd ield Office 1 LS \$7,500.00 raffic Maintenance 1 LS All Req'd onstruction Surveying 1 LS All Req'd onstruction Surveying 1 LS All Req'd onstruction Administration 1 LS All Req'd ONSTRUCTION CONTRACT COST Subtotal tility Preliminary Desigr LS All Req'd as Line Relocate LF \$50.00 nderground Electric Relocate LF \$50.00 verhead Electric Relocate EA \$100,000.00 Verhead Electric Relocate EA \$100	'Steel Conduit (GRSC) 1000 L.F. \$22.50 \$22,500.00 unction Box (Type IA) 18 EA. \$1,000.00 \$18,000.00 unction Box (Type II) EA. \$2,000.00 \$0.00 unction Box (Type III) EA. \$2,600.00 \$0.00 edestrian Luminaire Pole (12') 12 EA. \$5,000.00 \$60,000.00 oad Center EA. \$12,000.00 \$0 \$0 edestrian Luminaire, LED 12 EA. \$12,000.00 \$26,400.00 rosion/Pollution Control 1 LS All Req'd \$12,620 ield Office 1 LS All Req'd \$60,390 orstruction Surveying 1 LS All Req'd \$60,390 iobilization/Demobilization 1 LS All Req'd \$12,080 iobilization/Demobilization 1 LS All Req'd \$33,220 onstruction Administration 1 LS All Req'd \$82,000 ONSTRUCTION CONTRACT COST Subtotal \$811,000 tility Preliminary Desigr LS All Req'd \$11,000

Total:

\$1,467,000 Est. Design/Construction Costs

Downtown Anchorage: E Street, 2nd Avenue to 4th Avenue **Lighting Upgrades Construction Cost Estimates**

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA		· · · · · · · · · · · · · · · · · · ·				
	Remove Steel Conduit	1395	L.F.	\$5.00	\$6,975.00	
80.08 M	Remove Junction Box	23	EA	\$325.00	\$7,475.00	
80.14 SP	Remove Load Center		EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	25	EA	\$1,200.00	\$30,000.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	1300	S.Y.	\$18.00	\$23,400.00	
20.08 M	Remove Existing Curb and Gutter	40	L.F.	\$8.00	\$320.00	
20.09 M	Remove Existing Pavement	50	S.Y.	\$4.00	\$200.00	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALL	ATIONS					
30.04 M	P.C.C. Curb Ramp	4	EA.	\$3,500.00	\$14,000.00	
30.03 M	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	1020	S.Y.	\$230.00	\$234,600.00	
30.02 M	P.C.C. Curb & Gutter (All Types)	40	L.F.	\$33.00	\$1,320.00	
30.02 M	P.C.C. Valley Gutter	0	L.F.	\$55.00	\$0.00	
20.28 M		80	S.Y.	\$120.00	\$9,600.00	
20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M	Leveling Course (2 tons/CY)	6	TON	\$30.00	\$180.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	12	TON	\$170.00	\$2,040.00	
55.12 M	Adjust Catch Basin to Finish Grade	2	EA.	\$1,000.00	\$2,000.00	
20.13 M	Trench Excavation and Backfill (Various Depths)	1000	L.F.	\$19.00	\$19,000.00	
70.09 M	Remove and Reset Parking Meter	7	EA.	\$175.00	\$1,225.00	
LIGHTING						
	Luminaire, 106W LED	6	EA.	\$2,000	\$12,000.00	
80.06 M	Luminaire Arm, 15' Lengtl	6	EA.	\$1,075.00	\$6,450.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	6	EA.	\$4,150.00	\$24,900.00	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	18	EA.	\$3,500.00	\$63,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	1000	L.F.	\$5.00	\$5,000.00	
80.07 M	2" Steel Conduit (GRSC)	1000	L.F.	\$22.50	\$22,500.00	
80.08 M	Junction Box (Type IA)	18	EA.	\$1,000.00	\$18,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	12	EA.	\$5,000.00	\$60,000.00	
80.14 M	Load Center		EA.	\$12,000.00	\$0.00	
80.23 M	Pedestrian Luminaire, LED	12	EA.	\$2,200.00	\$26,400.00	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd		2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	100/ 6 3/
	Traffic Maintenance	1	LS	All Req'd	\$59,060	10% of pay items
	Construction Surveying	1	LS	All Req'd	\$11,810	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$32,480	5.5% of pay items
	Construction Administration CONSTRUCTION CONTRACT COST	1	LS	All Req'd Subtotal	\$80,000 \$793,775	
UTILITIE				Suototai	\$/93,//5	
UTILITIE			LS	All Doold	\$11.000	
	Utility Preliminary Design		LS LF	All Req'd \$75.00	, ,	
	Gas Line Relocate		LF LF	\$75.00 \$50.00	\$0 \$0	
	Underground Telephone Relocate Underground Electric Relocate		LF LF	\$50.00 \$50.00	\$0 \$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0 \$0	
	Overneau Electric Relocate		ĽA	Utilities Subtotal	\$11,000	
COST FST	TIMATE SUMMARY			Ounties Subtotal	COST	
COSTES	Preliminary Design		LS	All Reg'd	\$187,000	
	Utilities (placeholder)		LS	All Reg'd	\$187,000	
	Construction		LS LS	All Keyu	\$794,000	
	Contract Administration		LS LS		\$794,000 \$256,000	
	Contingencies		LS %	15%	\$256,000	
	Contingencies		/0	13/0	\$107,000	

Total:

\$1,435,000 Est. Design/Construction Costs

Downtown Anchorage: Ingra Street, 3rd Avenue to 10th Avenue Lighting and Signal Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA	LS					
80.07 SP	Remove Steel Conduit	330	L.F.	\$5.00	\$1,650.00	
80.08 M	Remove Junction Box		EA	\$325.00	\$0.00	
80.14 SP	Remove Load Center		EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	15	EA	\$1,200.00	\$18,000.00	
20.07 M	Remove Existing Sidewalk or Concrete Apror	2100	S.Y.	\$18.00	\$37,800.00	
20.08 M	Remove Existing Curb and Gutter	500	L.F.	\$8.00	\$4,000.00	
		511	S.Y.	\$4.00	\$2,044.00	
	Unusable Excavation	311	C.Y.	\$35.00	\$0.00	
INSTALL			0.1.	ψ33.00	ψ0.00	
	P.C.C. Curb Ramp	20	EA.	\$3,500.00	\$70,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2100	S.Y.	\$230.00	\$483,000.00	
	P.C.C. Curb & Gutter (All Types)	500	L.F.	\$33.00	\$16,500.00	
	Existing Driveway Reconstruction, Concrete	220	S.Y.	\$120.00	\$26,400.00	
	Classified Fill and Backfill, Type B (2 tons/CY)	220	TON	\$16.00	\$20,400.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
		57	TON	\$30.00		
	Leveling Course (2 tons/CY)				\$1,710.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	118	TON	\$170.00	\$20,060.00	
	Adjust Catch Basin to Finish Grade	2000	EA.	\$1,000.00	\$0.00	
80.02 M	· ,	2800	L.F.	\$19.00	\$53,200.00	
70.09 M	Remove and Reset Parking Meter		EA.	\$175.00	\$0.00	
LIGHTING					***	
	Luminaire, 106W LED	21	EA.	\$2,000	\$42,000	
80.06 M	Luminaire Arm, 15' Length	21	EA.	\$1,075.00	\$22,575	
	*	21	EA.	\$4,150.00	\$87,150	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0	
80.04 M	Cast-In-Place Luminaire Pole Foundations	21	EA.	\$3,500.00	\$73,500	
80.10 M		2800	L.F.	\$5.00	\$14,000	
80.07 M	2" Steel Conduit (GRSC)	2800	L.F.	\$22.50	\$63,000	
80.08 M	Junction Box (Type IA)	21	EA.	\$1,000.00	\$21,000	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0	
80.05 M	Pedestrian Luminaire Pole (12')		EA.	\$5,000.00	\$0	
80.14 M		2	EA.	\$12,000.00	\$24,000	
80.23 M	Pedestrian Luminaire, LED	_	EA.	\$2,200.00	\$0	
	CONTROL			4=,=*****		
	Ingra St and 5th Ave	1	LS	All Reg'd	\$269,000	
	Ingra St and 6th Ave	1	LS	All Reg'd	\$278,000	
					4-10,000	
INTERCO	ONNECT					
80.99 SP	Interconnect Conduit and Cable	1650	L.F.	\$30.00	\$49,500	
	Interconnect Type I Vault	3	EA.	\$5,500.00	\$16,500	
00.55 51	interconnect Type I vaun	Ĭ	27.	ψυ,υσο.σσ	Ψ10,500	
OTHER						
	Erosion/Pollution Control	1	LS	All Reg'd	\$35,420	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	il	LS	All Reg'd	\$169,460	10% of pay items
	Construction Surveying	il	LS	All Req'd	\$33,890	2% of pay items
	Mobilization/Demobilization	1	LS	All Reg'd	\$93,200	5.5% of pay items
	Construction Administration	1	LS	All Reg'd	\$227,000	5.576 of pay items
	CONSTRUCTION CONTRACT COST	1	LS			
UTILITIE				Subtotal	\$2,261,059	
UTILITIE			1.0	A 11 D14	¢11.000	
	Utility Preliminary Desigr Gas Line Relocate		LS	All Req'd	\$11,000	
			LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
GOOD TO	TYPE CYNES AND A DY			Utilities Subtotal	\$11,000	
COST EST	ΓΙΜΑΤΕ SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$527,000	
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$2,261,000	
	Contract Administration		LS		\$723,000	
1	Contingencies		%	15%	\$528,000	
	Contingencies					

Total:

\$4,050,000 Est. Design/Construction Costs

Downtown Anchorage: I Street and L Street, 4th Avenue to 10th Avenue **Lighting Upgrades Construction Cost Estimates**

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA						
80.07 SP	Remove Steel Conduit	3160	L.F.	\$5.00	\$15,800.00	
80.08 M		25	EA	\$325.00	\$8,125.00	
80.14 SP	Remove Load Center		EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	34	EA	\$1,200.00	\$40,800.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	5200	S.Y.	\$18.00	\$93,600.00	
20.08 M		260	L.F.	\$8.00	\$2,080.00	
20.09 M		325	S.Y.	\$4.00	\$1,300.00	
20.10 M			C.Y.	\$35.00	\$0.00	
INSTALL				·		
	P.C.C. Curb Ramp	26	EA.	\$3,500.00	\$91,000.00	
	P.C.C. Sidewalk (4" Thick) (Standard Finish)	5200	S.Y.	\$100.00	\$520,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	0	S.Y.	\$230.00	\$0.00	
	P.C.C. Curb & Gutter (All Types)	260	L.F.	\$35.00	\$9.100.00	
	P.C.C. Valley Gutter	0	L.F.	\$45.00	\$0.00	
20.28 M		520	S.Y.	\$120.00	\$62,400.00	
20.20 M		320	TON	\$16.00	\$0.00	
20.21 M			TON	\$28.00	\$0.00	
		27	TON	\$28.00 \$30.00		
20.22 M		37 75			\$1,110.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	75	TON	\$170.00	\$12,750.00	
55.12 M	3	5200	EA.	\$1,000.00	\$6,000.00	
80.02 M	` /	5200	L.F.	\$19.00	\$98,800.00	
70.09 M	Remove and Reset Parking Meter	25	EA.	\$175.00	\$4,375.00	
70.10 M	Inlaid Traffic Marking (MMA 24" White)	45	L.F.	\$30.00	\$1,350.00	
75.03 M	Topsoil, 4"		MSF	\$1,200.00	\$0.00	
75.04 M			MSF	\$900.00	\$0.00	
LIGHTIN						
	Luminaire, 106W LED	52	EA.	\$2,000	\$104,000.00	
80.06 M	Luminaire Arm, 15' Length	52	EA.	\$1,075.00	\$55,900.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	52	EA.	\$4,150.00	\$215,800.00	
80.04 M			EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	52	EA.	\$3,500.00	\$182,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	5200	L.F.	\$5.00	\$26,000.00	
80.07 M	2" Steel Conduit (GRSC)	5200	L.F.	\$22.50	\$117,000.00	
80.08 M	Junction Box (Type IA)	52	EA.	\$1,000.00	\$52,000.00	
80.08 M	Junction Box (Type II)	3	EA.	\$2,000.00	\$6,000.00	
80.08 M			EA.	\$2,600.00	\$0.00	
80.05 M		0	EA.	\$5,000.00	\$0.00	
80.14 M	` /		EA.	\$12,000.00	\$0	
80.23 M	Pedestrian Luminaire, LED	0	EA.	\$2,200.00	\$0.00	
OTHER				,	4 0 1 0 0	
	Erosion/Pollution Control	1	LS	All Req'd	\$36,100	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	2.0 01 pay rooms
	Traffic Maintenance	1	LS	All Req'd	\$172,730	10% of pay items
	Construction Surveying	1	LS	All Reg'd		2% of pay items
	Mobilization/Demobilization	1	LS	All Reg'd		5.5% of pay items
	Construction Administration	1		All Reg'd		5.576 Of pay items
	CONSTRUCTION CONTRACT COST	1	LS		\$231,000 \$2,304,170	
HTH ITE	***			Subtotal	\$2,304,170	
UTILITIE			1.0	AUD	611.000	
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
COST EST	ΓΙΜΑΤΕ SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$537,000	
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS	-	\$2,304,000	
				1	\$737,000	
	Contract Administration		LS		\$757,000	
	Contract Administration Contingencies		%	15%	\$538,000	

Total:

\$4,127,000 Est. Design/Construction Costs

Downtown Anchorage: A Street and C Street, 3rd Avenue to 10th Avenue **Lighting Upgrades Construction Cost Estimates**

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA						
	Remove Steel Conduit	3190	L.F.	\$5.00	\$15,950.00	
80.08 M	Remove Junction Box	25	EA	\$325.00	\$8,125.00	
80.14 SP	Remove Load Center	-20	EA	\$1,400.00	\$0.00	
80.28 M		34	EA	\$1,200.00	\$40,800.00	
20.07 M		5600	S.Y.	\$18.00	\$100,800.00	
20.07 M	Remove Existing Stdewark of Concrete Aproli	280	L.F.	\$8.00	\$2,240.00	
20.09 M	Remove Existing Curb and Gutter Remove Existing Pavement	350	S.Y.	\$4.00	\$1,400.00	
	Unusable Excavation	330		\$35.00	\$1,400.00	
INSTALL			C.Y.	\$33.00	\$0.00	
	P.C.C. Curb Ramp	28	EA.	\$3,500.00	\$98,000.00	
	P.C.C. Sidewalk (4" Thick) (Standard Finish)	5600	S.Y.	\$100.00		
					\$560,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	0	S.Y.	\$230.00	\$0.00	
	P.C.C. Curb & Gutter (All Types)	280	L.F.	\$35.00	\$9,800.00	
	P.C.C. Valley Gutter	0	L.F.	\$45.00	\$0.00	
20.28 M		560	S.Y.	\$120.00	\$67,200.00	
20.21 M	, ,1		TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M	č ,	39	TON	\$30.00	\$1,170.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	81	TON	\$170.00	\$13,770.00	
55.12 M	Adjust Catch Basin to Finish Grade	6	EA.	\$1,000.00	\$6,000.00	
80.02 M	Trench and Backfill (2' x 3')	7000	L.F.	\$19.00	\$133,000.00	
70.09 M	Remove and Reset Parking Meter		EA.	\$175.00	\$0.00	
70.10 M	Inlaid Traffic Marking (MMA 24" White)	45	L.F.	\$30.00	\$1,350.00	
75.03 M	Topsoil, 4"	0	MSF	\$1,200.00	\$0.00	
75.04 M	Seeding (Schedule A)	0	MSF	\$900.00	\$0.00	
LIGHTING	G					
80.23 M	Luminaire, 106W LED	42	EA.	\$2,000	\$84,000.00	
80.06 M	Luminaire Arm, 15' Lengtl	42	EA.	\$1,075.00	\$45,150.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	42	EA.	\$4,150.00	\$174,300.00	
80.04 M	Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	126	EA.	\$3,500.00	\$441,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	7000	L.F.	\$5.00	\$35,000.00	
80.07 M	2" Steel Conduit (GRSC)	7000	L.F.	\$22.50	\$157,500.00	
80.08 M	Junction Box (Type IA)	126	EA.	\$1,000.00	\$126,000.00	
80.08 M	Junction Box (Type II)	3	EA.	\$2,000.00	\$6,000.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	84	EA.	\$2,000.00	\$168,000.00	
80.14 M	Load Center	01	EA.	\$12,000.00	\$0	
80.23 M	Pedestrian Luminaire, LED	84	EA.	\$1,000.00	\$84,000.00	
OTHER	redestrian Eurimane, EED	04	L/1.	\$1,000.00	φο+,000.00	
OTHER	Erosion/Pollution Control	1	LS	All Reg'd	\$40.750	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	276 of pay items
		1	LS			100% of pay itams
	Traffic Maintenance	1		All Req'd	\$238,060 \$47,610	10% of pay items
	Construction Surveying	-	LS	All Req'd	\$47,610	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$130,930	5.5% of pay items
	CONSTRUCTION CONTRACT COST	1	LS	All Req'd	\$318,000	
HTH TTP	CONSTRUCTION CONTRACT COST			Subtotal	\$3,172,405	
UTILITIE			1.0	A 11 D	011 000	
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
COST EST	TIMATE SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$738,000	
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$3,172,000	
			LS	1	61 012 000	i
	Contract Administration		Lo		\$1,013,000	
	Contract Administration Contingencies		%	15%	\$740,000	

Total:

\$5,674,000 Est. Design/Construction Costs

Downtown Anchorage: West Spot Fix Lighting Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA		` '				
	Remove Steel Conduit		L.F.	\$5.00	\$0.00	
	Remove Junction Box	26	EA	\$500.00	\$13.000.00	
80.14 SP		20	EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	26	EA	\$1,200.00	\$31,200.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	2600	S.Y.	\$1,200.00	\$46,800.00	
20.07 M 20.08 M		3900	L.F.	\$8.00	\$31,200.00	
20.08 M 20.09 M		900	S.Y.	\$4.00	\$3,600.00	
	Unusable Excavation	900				
			C.Y.	\$35.00	\$0.00	
INSTALL		12	E 4	¢2.500.00	0.45,500,00	
	P.C.C. Curb Ramp	13	EA.	\$3,500.00	\$45,500.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2600	S.Y.	\$230.00	\$598,000.00	
	P.C.C. Curb & Gutter (All Types)	3900	L.F.	\$35.00	\$136,500.00	
20.28 M			S.Y.	\$120.00	\$0.00	
20.21 M			TON	\$16.00	\$0.00	
	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M		100	TON	\$30.00	\$3,000.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	207	TON	\$170.00	\$35,190.00	
55.12 M	Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M	Trench and Backfill (2' x 3')	3900	L.F.	\$19.00	\$74,100.00	
70.09 M	Remove and Reset Parking Meter	50	EA.	\$175.00	\$8,750.00	
ELECTRO	OLIERS					
80.23 M	Luminaire, 106W LED	26	EA.	\$2,000	\$52,000.00	
80.06 M	· ·	26	EA.	\$1,075.00	\$27,950.00	
80.05 M	, 8	26	EA.	\$4,150.00	\$107,900.00	
80.04 M	Driven Pile Luminaire Pole Foundations	20	EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	26	EA.	\$3,500.00	\$91,000.00	
80.10 M		3900	L.F.	\$5,500.00	\$19,500.00	
80.10 M	2" Steel Conduit (GRSC)	3900	L.F.	\$22.50	\$87,750.00	
80.07 M 80.08 M	Junction Box (Type IA)		EA.	\$1.000.00	\$26,000.00	
		26	·	, ,		
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	0	EA.	\$2,000.00	\$0.00	
80.14 M	Load Center			\$12,000.00		
80.23 M	Pedestrian Luminaire, LED	0	EA.	\$1,000.00	\$0.00	
OTHER						
i	Erosion/Pollution Control	1	LS	All Req'd	\$30,000	2% of pay items
i	Field Office	1	LS	\$7,500.00	\$7,500	
1	Traffic Maintenance	1	LS	All Req'd	\$143,890	10% of pay items
1	Construction Surveying	1	LS	All Req'd	\$28,780	2% of pay items
1	Mobilization/Demobilization	1	LS	All Req'd	\$79,140	5.5% of pay items
1	Construction Administration	1	LS	All Req'd	\$193,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$1,921,250	
UTILITIE					. ,. ,	
	Utility Preliminary Design		LS	All Reg'd	\$11,000	
1	Gas Line Relocate		LF	\$75.00	\$0	
1	Underground Telephone Relocate		LF	\$50.00	\$0 \$0	
1	Underground Electric Relocate		LF LF	\$50.00 \$50.00	\$0 \$0	
1	Overhead Electric Relocate		EA	\$100.000.00	\$0 \$0	
	Overhead Electric Relocate		ĿA	Utilities Subtotal	\$11.000	
COST EST	TIMATE SUMMARY			Ounides Subtotat	COST	
COSTES	Preliminary Design		LS	All Reg'd	\$448,000	
ĺ	ş - Ç					
1	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$1,921,000	
				1		1
			LS		\$615,000	
	Contract Administration Contingencies		LS %	15%	\$615,000 \$449,000	

Total:

\$3,444,000 Est. Design/Construction Costs

Downtown Anchorage: 7th Avenue, L Street to Cordova Street **Lighting Upgrades Construction Cost Estimates**

Project 14-48

80.08 M 80.14 SP 80.28 M 20.07 M 20.08 M 20.10 M INSTALLA 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.05 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Steel Conduit Remove Junction Box Remove Load Center Remove Luminaire Pole Remove Existing Sidewalk or Concrete Apron Remove Existing Curb and Gutter Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2" x 3") Remove and Reset Parking Meter	930 11 18 6000 180 225 18 6000 360 25 52 2800 39 27 27 27	L.F. EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$5.00 \$325.00 \$1,400.00 \$1,200.00 \$18.00 \$4.00 \$35.00 \$35.00 \$33,500.00 \$230.00 \$120.00 \$16.00 \$28.00 \$170.00 \$1,700.00 \$1,700.00 \$1,700.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00 \$1,000.00	\$4,650.00 \$3,575.00 \$0.00 \$11,600.00 \$1,440.00 \$900.00 \$63,000.00 \$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$53,200.00 \$54,000.00 \$54,000.00	
80.07 SP 80.08 M 80.14 SP 80.28 M 20.07 M 20.08 M 20.10 M 1NSTALLA' 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M	Remove Steel Conduit Remove Junction Box Remove Load Center Remove Luminaire Pole Remove Existing Sidewalk or Concrete Apron Remove Existing Sidewalk or Concrete Apron Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	11 18 60000 180 225 18 60000 0 360 25 52 2800 39 27 27	EA EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$325.00 \$1,400.00 \$1,200.00 \$18.00 \$4.00 \$35.00 \$35.00 \$33.00 \$120.00 \$16.00 \$28.00 \$170.00 \$170.00 \$170.00 \$19.00 \$175.00	\$3,575.00 \$0.00 \$21,600.00 \$108,000.00 \$1,440.00 \$900.00 \$0.00 \$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$53,200.00 \$6,825.00 \$54,000.00	
80.08 M 80.14 SP 80.28 M 20.07 M 20.08 M 20.10 M INSTALLA 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.05 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Junction Box Remove Load Center Remove Luminaire Pole Remove Existing Sidewalk or Concrete Apron Remove Existing Sidewalk or Concrete Apron Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	11 18 60000 180 225 18 60000 0 360 25 52 2800 39 27 27	EA EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$325.00 \$1,400.00 \$1,200.00 \$18.00 \$4.00 \$35.00 \$35.00 \$33.00 \$120.00 \$16.00 \$28.00 \$170.00 \$170.00 \$170.00 \$19.00 \$175.00	\$3,575.00 \$0.00 \$21,600.00 \$108,000.00 \$1,440.00 \$900.00 \$0.00 \$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$53,200.00 \$6,825.00 \$54,000.00	
80.14 SP 80.28 M 20.07 M 20.08 M 20.09 M 20.10 M INSTALLA' 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Load Center Remove Luminaire Pole Remove Existing Sidewalk or Concrete Apron Remove Existing Curb and Gutter Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	18 6000 180 225 18 6000 0 360 25 52 2800 39	EA EA S.Y. L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON TON EA. L.F. EA. EA.	\$1,400.00 \$1,200.00 \$18.00 \$4.00 \$35.00 \$35.00 \$33.00 \$120.00 \$16.00 \$28.00 \$1770.00 \$1,000.00 \$175.00	\$0.00 \$21,600.00 \$108,000.00 \$1,440.00 \$900.00 \$0.00 \$1,380,000.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
80.28 M 20.07 M 20.08 M 20.09 M 20.10 M INSTALLA' 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.05 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Luminaire Pole Remove Existing Sidewalk or Concrete Apron Remove Existing Curb and Gutter Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2" x 3") Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	6000 180 225 18 6000 0 360 25 52 2800 39	EA S.Y. L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON EA. L.F. EA. EA. EA. EA.	\$1,200.00 \$18.00 \$8.00 \$4.00 \$35.00 \$3,500.00 \$33.00 \$120.00 \$16.00 \$28.00 \$1770.00 \$1,000.00 \$175.00	\$21,600.00 \$108,000.00 \$1,440.00 \$900.00 \$63,000.00 \$1,380,000.00 \$43,200.00 \$0.00 \$0.00 \$750.00 \$8,840.00 \$6,825.00 \$54,000.00 \$29,025.00	
20.07 M 20.08 M 20.09 M 20.10 M INSTALLA' 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Existing Sidewalk or Concrete Apron Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2" x 3") Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	6000 180 225 18 6000 0 360 25 52 2800 39	S.Y. L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$18.00 \$8.00 \$4.00 \$35.00 \$35.00 \$33.00 \$120.00 \$16.00 \$28.00 \$1770.00 \$1,000.00 \$175.00	\$108,000.00 \$1,440.00 \$900.00 \$63,000.00 \$1,380,000.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
20.08 M 20.09 M 20.10 M INSTALLA' 30.04 M 30.03 M 20.28 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Existing Curb and Gutter Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	180 225 18 6000 0 360 25 52 2800 39	L.F. S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON EA. L.F. EA. EA.	\$8.00 \$4.00 \$35.00 \$35.00 \$35.00 \$230.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$175.00	\$1,440.00 \$900.00 \$0.00 \$63,000.00 \$1,380,000.00 \$0.00 \$0.00 \$750.00 \$8,840.00 \$53,200.00 \$6,825.00	
20.09 M 20.10 M INSTALLA 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.21 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M 80.04 M	Remove Existing Pavement Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	225 18 6000 0 360 25 52 2800 39 27 27	S.Y. C.Y. EA. S.Y. L.F. S.Y. TON TON TON EA. L.F. EA. EA.	\$4.00 \$35.00 \$35.00 \$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$170.00 \$1,000.00 \$175.00	\$900.00 \$0.00 \$1,380,000.00 \$1,380,000.00 \$0.00 \$0.00 \$750.00 \$8,840.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
20.10 M INSTALLA' 30.04 M 30.03 M 30.02 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M 80.04 M	Unusable Excavation TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	18 6000 0 360 25 52 2800 39	C.Y. EA. S.Y. L.F. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$35.00 \$3,500.00 \$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$1770.00 \$1,000.00 \$175.00	\$63,000.00 \$63,000.00 \$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
INSTALLA' 30.04 M 30.03 M 30.02 M 20.28 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M 80.04 M	TIONS P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	6000 0 360 25 52 2800 39 27 27	EA. S.Y. L.F. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$3,500.00 \$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$1770.00 \$1,000.00 \$175.00	\$63,000.00 \$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$53,200.00 \$6,825.00	
30.04 M 30.03 M 30.02 M 20.28 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	P.C.C. Curb Ramp P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2" x 3") Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	6000 0 360 25 52 2800 39 27 27	S.Y. L.F. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00	\$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
30.03 M 30.02 M 20.28 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M	P.C.C. Sidewalk (4" Thick) (Aggregate Finish) P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	6000 0 360 25 52 2800 39 27 27	S.Y. L.F. S.Y. TON TON TON TON EA. L.F. EA. EA.	\$230.00 \$33.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00	\$1,380,000.00 \$0.00 \$43,200.00 \$0.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
30.02 M 20.28 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.05 M 80.04 M	P.C.C. Curb & Gutter (All Types) Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	0 360 25 52 2800 39 27 27	L.F. S.Y. TON TON TON TON EA. L.F. EA.	\$33.00 \$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00	\$0.00 \$43,200.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00	
20.28 M 20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Existing Driveway Reconstruction, Concrete Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	25 52 2800 39 27 27	S.Y. TON TON TON TON EA. L.F. EA. EA.	\$120.00 \$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00	\$43,200.00 \$0.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
20.21 M 20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M	Classified Fill and Backfill, Type B (2 tons/CY) Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	25 52 2800 39 27 27	TON TON TON TON EA. L.F. EA. EA.	\$16.00 \$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00	\$0.00 \$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
20.21 M 20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Classified Fill and Backfill, Type A (2 tons/CY) Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	52 2800 39 27 27	TON TON TON EA. L.F. EA. EA. EA.	\$28.00 \$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00 \$2,000 \$1,075.00	\$0.00 \$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
20.22 M 40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Leveling Course (2 tons/CY) A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	52 2800 39 27 27	TON TON EA. L.F. EA. EA. EA.	\$30.00 \$170.00 \$1,000.00 \$19.00 \$175.00 \$2,000 \$1,075.00	\$750.00 \$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
40.06 M 55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	A.C. Pavement (Class A) (115 lbs/SY Inch) Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	52 2800 39 27 27	TON EA. L.F. EA. EA. EA. EA.	\$170.00 \$1,000.00 \$19.00 \$175.00 \$2,000 \$1,075.00	\$8,840.00 \$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
55.12 M 80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Adjust Catch Basin to Finish Grade Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	2800 39 27 27	EA. L.F. EA. EA. EA. EA.	\$1,000.00 \$19.00 \$175.00 \$2,000 \$1,075.00	\$0.00 \$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
80.02 M 70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Trench and Backfill (2' x 3') Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	39 27 27	L.F. EA. EA. EA. EA.	\$19.00 \$175.00 \$2,000 \$1,075.00	\$53,200.00 \$6,825.00 \$54,000.00 \$29,025.00	
70.09 M LIGHTING 80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Remove and Reset Parking Meter Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	39 27 27	EA. EA. EA.	\$175.00 \$2,000 \$1,075.00	\$6,825.00 \$54,000.00 \$29,025.00	
80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	27 27	EA. EA. EA.	\$2,000 \$1,075.00	\$54,000.00 \$29,025.00	
80.23 M 80.06 M 80.05 M 80.04 M 80.04 M	Luminaire, 106W LED Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	27	EA. EA.	\$1,075.00	\$29,025.00	
80.06 M 80.05 M 80.04 M 80.04 M	Luminaire Arm, 15' Length Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations	27	EA. EA.	\$1,075.00	\$29,025.00	
80.05 M 80.04 M 80.04 M	Luminaire Pole, Fixed Base 26 ft. Driven Pile Luminaire Pole Foundations		EA.			
80.04 M 80.04 M	Driven Pile Luminaire Pole Foundations	27		\$4 150 00		
80.04 M			TC A		\$112,050.00	
	Cost In Place Luminoire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.10 M		27	EA.	\$3,500.00	\$94,500.00	
	Conductor, 3C #8 AWG XHHW-2 Cable	4500	L.F.	\$5.00	\$22,500.00	
80.07 M	2" Steel Conduit (GRSC)	4500	L.F.	\$22.50	\$101,250.00	
	Junction Box (Type IA)	27	EA.	\$1,000.00	\$27,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	54	EA.	\$5,000.00	\$270,000.00	
	Load Center		EA.	\$12,000.00	\$0	
	Pedestrian Luminaire, LED	54	EA.	\$2,200.00	\$118,800.00	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd		2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$252,510	10% of pay items
	Construction Surveying	1	LS	All Req'd	\$50,500	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$138,880	5.5% of pay items
	Construction Administration	1	LS	All Reg'd	\$337,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$3,364,265	
UTILITIES				Saototai	95,501,205	
						1
	Utility Preliminary Design	1	LS	All Req'd	\$11,000	1
	Gas Line Relocate		LF	\$75.00	\$0	1
	Underground Telephone Relocate		LF	\$50.00	\$0	1
	Underground Electric Relocate		LF	\$50.00	\$0	1
	Č .		EA	\$100,000.00	\$0	1
	Overhead Electric Relocate		EA		* * * * * * * * * * * * * * * * * * * *	<u> </u>
				Utilities Subtotal	\$11,000	
COST ESTI	MATE SUMMARY			1	COST	1
	Preliminary Design		LS	All Req'd	\$782,000	1
	Utilities (placeholder)		LS	All Reg'd	\$11,000	
	*		LS	7 III Req u		1
	Construction			1	\$3,364,000	1
	Contract Administration		LS	1	\$1,074,000	1
	Contingencies		%	15%	\$785,000	1
	<u> </u>					

Total:

\$6,016,000 Est. Design/Construction Costs

Downtown Anchorage: G Street, 5th Avenue to 7th Avenue **Lighting Upgrades Construction Cost Estimates**

Project 14-48

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
80.07 SP Remove Steel Conduit	150	L.F.	\$5.00	\$750.00	
80.08 M Remove Junction Box	3	EA	\$325.00	\$975.00	
80.14 SP Remove Load Center	3	EA	\$1,400.00	\$0.00	
80.28 M Remove Luminaire Pole	3	EA	\$1,200.00	\$3,600.00	
	-				
20.07 M Remove Existing Sidewalk or Concrete Apror	1300	S.Y.	\$18.00	\$23,400.00	
20.08 M Remove Existing Curb and Gutter	40	L.F.	\$8.00	\$320.00	
20.09 M Remove Existing Pavement	50	S.Y.	\$4.00	\$200.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	4	EA.	\$3,500.00	\$14,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	1020	S.Y.	\$230.00	\$234,600.00	
30.02 M P.C.C. Curb & Gutter (All Types)	40	L.F.	\$33.00	\$1,320.00	
20.28 M Existing Driveway Reconstruction, Concrete	80	S.Y.	\$120.00	\$9,600.00	
20.21 M Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M Leveling Course (2 tons/CY)	12	TON	\$30.00	\$360.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	23	TON	\$170.00	\$3.910.00	
55.12 M Adjust Catch Basin to Finish Grade	0	EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	1000	L.F.	\$1,000.00	\$19,000.00	
	30	EA.			
	30	EA.	\$175.00	\$5,250.00	
LIGHTING		E.4	62.000	612 000 00	
80.23 M Luminaire, 106W LED	6	EA.	\$2,000	\$12,000.00	
80.06 M Luminaire Arm, 15' Length	6	EA.	\$1,075.00	\$6,450.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.	6	EA.	\$4,150.00	\$24,900.00	
80.04 M Driven Pile Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M Cast-In-Place Luminaire Pole Foundations	18	EA.	\$3,500.00	\$63,000.00	
80.10 M Conductor, 3C #8 AWG XHHW-2 Cable	1000	L.F.	\$5.00	\$5,000.00	
80.07 M 2" Steel Conduit (GRSC)	1000	L.F.	\$22.50	\$22,500.00	
80.08 M Junction Box (Type IA)	18	EA.	\$1,000.00	\$18,000.00	
80.08 M Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M Pedestrian Luminaire Pole (12')	12	EA.	\$5,000.00	\$60,000.00	
80.14 M Load Center		EA.	\$12,000.00	\$0	
80.23 M Pedestrian Luminaire, LED	12	EA.	\$2,200.00	\$26,400.00	
OTHER	12	1.71.	\$2,200.00	\$20,700.00	
Erosion/Pollution Control	1	LS	All Reg'd	\$11,610	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	276 of pay items
	1				100/ 6 3
Traffic Maintenance	1	LS	All Req'd	\$55,550	10% of pay items
Construction Surveying	1	LS	All Req'd		2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$30,550	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$75,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$746,855	
UTILITIES					
Utility Preliminary Desigr		LS	All Req'd	\$11,000	
Gas Line Relocate		LF	\$75.00	\$0	
Underground Telephone Relocate		LF	\$50.00	\$0	
Underground Electric Relocate		LF	\$50.00	\$0	
Overhead Electric Relocate		EA	\$100,000.00	\$0	
			Utilities Subtotal	\$11,000	
COST ESTIMATE SUMMARY			Camaco Suototal	COST	
Preliminary Design		LS	All Reg'd	\$176,000	
		LS LS			
Utilities (placeholder)			All Req'd	\$11,000	
Construction		LS		\$747,000	
Contract Administration		LS	[\$241,000	
Contingencies		%	15%	\$176,000	
	1		1		

Total:

\$1,351,000 Est. Design/Construction Costs

Downtown Anchorage: 5th Avenue, Cordova Street to Ingra Street Lighting and Signals Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA	LS					
80.07 SP	Remove Steel Conduit	5450	L.F.	\$5.00	\$27,250.00	
80.08 M	Remove Junction Box	12	EA	\$325.00	\$3,900.00	
80.14 SP	Remove Load Center	3	EA	\$1,400.00	\$4,200.00	
80.28 M	Remove Luminaire Pole	24	EA	\$1,200.00	\$28,800.00	
20.07 M	Remove Existing Sidewalk or Concrete Apror	3525	S.Y.	\$18.00	\$63,450.00	
20.08 M	Remove Existing Curb and Gutter	350	L.F.	\$8.00	\$2,800.00	
20.09 M	Remove Existing Pavement	350	S.Y.	\$4.00	\$1,400.00	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALL						
	P.C.C. Curb Ramp	26	EA.	\$3,500.00	\$91,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	3525	S.Y.	\$230.00	\$810,750.00	
	P.C.C. Curb & Gutter (All Types)	350	L.F.	\$33.00	\$11,550.00	
20.28 M			S.Y.	\$120.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)	20	TON	\$28.00	\$0.00	
		39	TON	\$30.00	\$1,170.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	81	TON	\$170.00	\$13,770.00	
	Adjust Catch Basin to Finish Grade	2400	EA.	\$1,000.00	\$0.00	
80.02 M	Trench and Backfill (2' x 3')	2400	L.F.	\$19.00	\$45,600.00	
70.09 M LIGHTING	Remove and Reset Parking Meter	23	EA.	\$175.00	\$4,025.00	
	Luminaire, 106W LED	24	EA.	\$2,000	\$48,000.00	
80.25 M 80.06 M	Luminaire, 100 w LED Luminaire Arm, 15' Length	24	EA. EA.	\$1,075.00	\$25,800.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	24	EA.	\$4,150.00	\$99,600.00	
80.03 M 80.04 M	Driven Pile Luminaire Pole Foundations	24	EA.	\$2,000.00	\$99,000.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	24	EA.	\$3,500.00	\$84,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	2400	L.F.	\$5,500.00	\$12,000.00	
80.07 M	2" Steel Conduit (GRSC)	2400	L.F.	\$22.50	\$54,000.00	
80.08 M	Junction Box (Type IA)	24	EA.	\$1,000.00	\$24,000.00	
80.08 M	Junction Box (Type II)	24	EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')		EA.	\$2,000.00	\$0.00	
80.14 M	Load Center	3	EA.	\$12,000.00	\$36,000	
80.23 M	Pedestrian Luminaire, LED	_	EA.	\$1,000.00	\$0.00	
	CONTROL			, ,	*****	
	Gambell St and 5th Ave	1	LS	All Req'd	\$275,000.00	
				•		
INTERCO	NNECT					
80.99 SP	Interconnect Conduit and Cable	2000	L.F.	\$30.00	\$60,000	
80.99 SP	Interconnect Type I Vault	2	EA.	\$5,500.00	\$11,000	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd		2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$183,910	10% of pay items
	Construction Surveying	1	LS	All Req'd	\$36,780	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$101,150	5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$246,000	
	CONSTRUCTION CONTRACT COST	-		Subtotal	\$2,206,845	
UTILITIE	S					
	Utility Preliminary Design		LS	All Reg'd	\$11,000	1
	, , ,					
	Gas Line Relocate		LF	\$75.00	\$0	1
	Underground Telephone Relocate		LF	\$50.00	\$0	1
	Underground Electric Relocate		LF	\$50.00	\$0	1
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
COST EST	TIMATE SUMMARY				COST	
2001 101	Preliminary Design		LS	All Pools	\$514,000	1
	, ,			All Req'd		1
	Utilities (placeholder)		LS	All Req'd	\$11,000	1
	Construction		LS		\$2,207,000	1
				1		į.
	Contract Administration		LS		\$706,000	
	Contract Administration Contingencies		LS %	15%	\$706,000 \$516,000	

Total: \$3,954,0

 $\$3,\!954,\!000 \quad \text{Est. Design/Construction Costs}$

Downtown Anchorage: East Spot Fix Lighting Upgrades Construction Cost Estimates

Project 14-48

REMOVAI 80.07 SP	LS					
80.07 SP	17		L.F.	\$5.00	\$0.00	
80.08 M	Remove Junction Box		EA	\$500.00	\$0.00	
80.14 SP	Remove Load Center		EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	18	EA	\$1,200.00	\$21,600.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	2570	S.Y.	\$18.00	\$46,260.00	
20.08 M	Remove Existing Curb and Gutter	3900	L.F.	\$8.00	\$31,200.00	
20.09 M	Remove Existing Pavement	1010	S.Y.	\$4.00	\$4,040.00	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
NSTALLA					4000	
	P.C.C. Curb Ramp	9	EA.	\$3,500.00	\$31.500.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2570	S.Y.	\$230.00	\$591,100.00	
	P.C.C. Curb & Gutter (All Types)	3900	L.F.	\$35.00	\$136,500.00	
20.28 M	Existing Driveway Reconstruction, Concrete	3,00	S.Y.	\$120.00	\$0.00	
20.20 M	Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.21 M	Leveling Course (2 tons/CY)	113	TON	\$30.00	\$3,390.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	233	TON	\$170.00	\$39,610.00	
55.12 M	Adjust Catch Basin to Finish Grade	233	EA.	\$1,000.00	\$39,010.00	
80.02 M	Trench and Backfill (2' x 3')	3900	L.F.	\$1,000.00	\$74,100.00	
70.09 M	Remove and Reset Parking Meter	50	EA.	\$175.00	\$8,750.00	
ELECTRO		30	EA.	\$1/3.00	\$6,730.00	
80.23 M	Luminaire, 106W LED	18	EA.	\$2,000	\$36,000.00	
80.25 M	Luminaire, 100W LED Luminaire Arm, 15' Length	18	EA.	\$1,075.00	\$19,350.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	18	EA.	\$4,150.00	\$74,700.00	
80.03 M 80.04 M	Driven Pile Luminaire Pole Foundations	10	EA.	\$2,000.00	\$0.00	
80.04 M 80.04 M	Cast-In-Place Luminaire Pole Foundations	18	EA. EA.		\$63,000.00	
		3900	L.F.	\$3,500.00		
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	3900		\$5.00	\$19,500.00	
80.07 M	2" Steel Conduit (GRSC)		L.F.	\$22.50	\$87,750.00	
80.08 M	Junction Box (Type IA)	18	EA.	\$1,000.00	\$18,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')		EA.	\$2,000.00	\$0.00	
80.14 M	Load Center	0	EA.	\$12,000.00	\$0.00	
80.23 M	Pedestrian Luminaire, LED		EA.	\$1,000.00	\$0.00	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd	\$27,000	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$130,640	10% of pay items
	Construction Surveying	1	LS	All Req'd	\$26,130	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$71,850	5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$175,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$1,744,470	
UTILITIES						
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
			-	Utilities Subtotal	\$11,000	
COST EST	TIMATE SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$407,000	
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$1,744,000	
	Contract Administration		LS		\$558,000	

Total:

\$3,128,000 Est. Design/Construction Costs

Downtown Anchorage: 2nd Avenue, H Street to 1st Avenue **Lighting Upgrades Construction Cost Estimates**

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA		Quantity	Cint	Cint Cost	Total Cost	Kemarks
	Remove Steel Conduit		L.F.	\$5.00	\$0.00	
80.07 SI	Remove Junction Box	36	EA	\$325.00	\$11,700.00	
80.28 SP	Remove Load Center	30	EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	54	EA	\$1,200.00	\$64,800.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	1040	S.Y.	\$1,200.00	\$18,720.00	
20.07 M 20.08 M	Remove Existing Curb and Gutter	1600	L.F.	\$8.00	\$12,800.00	
20.09 M	Remove Existing Pavement	385	S.Y.	\$4.00	\$1,540.00	
	Unusable Excavation	363	C.Y.	\$35.00	\$0.00	
INSTALL			C.1.	\$55.00	\$0.00	
	P.C.C. Curb Ramp	3	EA.	\$3,500.00	\$10,500.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	1040	S.Y.	\$230.00	\$239,200.00	
	P.C.C. Curb & Gutter (All Types)	1600	L.F.	\$33.00	\$52,800.00	
20.28 M		230	S.Y.	\$120.00	\$27,600.00	
20.28 M 20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)	230	TON	\$120.00	\$27,000.00	
20.21 M	Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.21 M	Leveling Course (2 tons/CY)	43	TON	\$30.00	\$1,290.00	
40.06 M	A.C. Pavement (Class A) (115 lbs/SY Inch)	89	TON	\$170.00	\$1,290.00 \$15.130.00	
55.12 M	Adjust Catch Basin to Finish Grade	3	EA.	\$1,000.00	\$3,000.00	
80.02 M	Trench and Backfill (2' x 3')	1200	L.F.	\$1,000.00	\$22,800.00	
70.09 M	Remove and Reset Parking Meter	1200	EA.	\$175.00	\$2,450.00	
LIGHTIN		14	EA.	\$175.00	\$2,430.00	
-	Luminaire, 106W LED	18	EA.	\$2,000.00	\$36,000.00	
80.25 M	Luminaire, 100W LED Luminaire Arm, 15' Length	18	EA.	\$1,075.00	\$19,350.00	
80.05 M	Luminaire Pole. Fixed Base 26 ft.	18	EA.	\$4.150.00	\$74,700.00	
80.03 M 80.04 M	Driven Pile Luminaire Pole Foundations	10	EA.	\$2,000.00	\$0.00	
80.04 M	Cast-In-Place Luminaire Pole Foundations	54	EA.	\$3,500.00	\$189,000.00	
80.10 M	Conductor, 3C #8 AWG XHHW-2 Cable	1200	L.F.	\$5,500.00	\$6,000.00	
80.10 M	2" Steel Conduit (GRSC)	1200	L.F.	\$22.50	\$27,000.00	
80.07 M	Junction Box (Type IA)	54	EA.	\$1,000.00	\$54,000.00	
80.08 M	Junction Box (Type II)	34	EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')	36	EA.	\$5,000.00	\$180,000.00	
80.03 M 80.14 M	Load Center	1	EA. EA	\$12,000.00	\$12,000.00	
80.23 M	Pedestrian Luminaire, LED	36	EA.	\$2,200.00	\$79,200.00	
OTHER	i cuesti ian Eunimane, EED	30	EA.	\$2,200.00	\$79,200.00	
OTHER	Erosion/Pollution Control	1	LS	All Reg'd	\$24,280	2% of pay items
	Field Office	1	LS	\$7.500.00	\$7,500	270 of pay items
	Traffic Maintenance	1	LS	All Reg'd	\$116,160	10% of pay items
	Construction Surveying	1	LS	All Reg'd	\$23,230	2% of pay items
	Mobilization/Demobilization	1	LS	All Reg'd	\$63,890	5.5% of pay items
	Construction Administration	1	LS	All Reg'd	\$156,000	5.570 Or pay items
	CONSTRUCTION CONTRACT COST	1	LO	Subtotal	\$1,552,640	
UTILITIE				Subtotal	φ1,332,040	
	Utility Preliminary Design		LS	All Reg'd	\$11,000	
	Gas Line Relocate		LF LF	\$75.00	\$11,000	
	Underground Telephone Relocate		LF LF	\$50.00	\$0 \$0	
	Underground Electric Relocate		LF LF	\$50.00 \$50.00	\$0 \$0	
	Overhead Electric Relocate		EA	\$100.000.00	\$0 \$0	
	Overhead Electric Relocate		LIL	Utilities Subtotal	\$11,000	
COST FST	ΓΙΜΑΤΕ SUMMARY			Cumacs Subtotal	COST	
COSTES	Preliminary Design		LS	All Reg'd	\$363,000	
	Utilities (placeholder)		LS	All Reg'd	\$11,000	
	Construction		LS	All Kequ	\$1,553,000	
	Contract Administration		LS		\$498,000	
	Contingencies		LS %	15%	\$498,000 \$364,000	
	Contingencies		70	1370	\$304,000	
				1		

Total:

\$2,789,000 Est. Design/Construction Costs

Downtown Anchorage: 3rd Avenue, Barrow Street to Ingra Street Lighting and Signal Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA	LS					
80.07 SP	Remove Steel Conduit	330	L.F.	\$5.00	\$1,650.00	
80.08 M	Remove Junction Box		EA	\$325.00	\$0.00	
80.14 SP	Remove Load Center	1	EA	\$1,400.00	\$1,400.00	
80.28 M	Remove Luminaire Pole	17	EA	\$1,200.00	\$20,400.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	1700	S.Y.	\$18.00	\$30,600.00	
20.08 M	Remove Existing Curb and Gutter	98	L.F.	\$8.00	\$784.00	
20.09 M	Remove Existing Pavement	22	S.Y.	\$4.00	\$87.11	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALL	ATIONS					
30.04 M	P.C.C. Curb Ramp	14	EA.	\$3,500.00	\$49,000.00	
30.03 M	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	1700	S.Y.	\$230.00	\$391,000.00	
30.02 M	P.C.C. Curb & Gutter (All Types)	98	L.F.	\$33.00	\$3,234.00	
20.28 M	Existing Driveway Reconstruction, Concrete		S.Y.	\$120.00	\$0.00	
20.21 M	Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$16.00	\$0.00	
20.21 M			TON	\$28.00	\$0.00	
	Leveling Course (2 tons/CY)	3	TON	\$30.00	\$90.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	6	TON	\$170.00	\$1,020.00	
	Adjust Catch Basin to Finish Grade	Ť	EA.	\$1,000.00	\$0.00	
80.02 M	Trench Excavation and Backfill (2' x 3')	2500	L.F.	\$19.00	\$47,500.00	
70.09 M	Remove and Reset Parking Meter	2500	EA.	\$175.00	\$0.00	
LIGHTING			2.1.	\$175.00	ψ0.00	
	Luminaire, 106W LED	21	EA.	\$2,000	\$42,000	
	Luminaire, 160 W EEB Luminaire Arm, 15' Length	21	EA.	\$1,075.00	\$22,575	
	Luminaire Pole, Fixed Base 26 ft.	21	EA.	\$4,150.00	\$87,150	
	Driven Pile Luminaire Pole Foundations	21	EA.	\$2,000.00	\$07,150	
80.04 M		21	EA.	\$3,500.00	\$73,500	
	Conductor, 3C #8 AWG XHHW-2 Cable	2500	L.F.	\$5,500.00	\$12,500	
	· ·	2500	L.F.	\$22.50		
80.07 M	,				\$56,250	
	Junction Box (Type IA)	21	EA.	\$1,000.00	\$21,000	
80.08 M			EA.	\$2,000.00	\$0	
80.08 M			EA.	\$2,600.00	\$0	
80.05 M	· ,		EA.	\$2,000.00	\$0	
	Load Center	1	EA.	\$12,000.00	\$12,000	
	Pedestrian Luminaire, LED		EA.	\$1,000.00	\$0	
TRAFFIC	CONTROL					
	Eagle St and 3rd Ave	1	LS	All Req'd	\$247,000	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd		2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$112,070	10% of pay items
	Construction Surveying	1	LS	All Req'd	\$22,410	2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd		5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$150,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$1,497,780	
UTILITIE	s					
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
COST EST	FIMATE SUMMARY				COST	
	Preliminary Design		LS	All Reg'd	\$350,000	
	Utilities (placeholder)		LS	All Reg'd	\$11,000	
	Construction		LS		\$1,498,000	
	Contract Administration		LS		\$480,000	
				1.50/		
	Contingencies		%	15%	\$351,000	

Total:

\$2,690,000 Est. Design/Construction Costs

Downtown Anchorage: 8th Avenue, L Street to Cordova Street **Lighting Upgrades Construction Cost Estimates**

Project 14-48

REMOVA	* 0	Quantity		Unit Cost	Total Cost	
	LS					
80.07 SP	Remove Steel Conduit	2400	L.F.	\$5.00	\$12,000.00	
80.08 M	Remove Junction Box	48	EA	\$325.00	\$15,600.00	
80.14 SP	Remove Load Center		EA	\$1,400.00	\$0.00	
80.28 M	Remove Luminaire Pole	48	EA	\$1,200.00	\$57,600.00	
20.07 M		4800	S.Y.	\$18.00	\$86,400.00	
20.08 M	Remove Existing Curb and Gutter	300	L.F.	\$8.00	\$2,400.00	
20.09 M		300	S.Y.	\$4.00	\$1,200.00	
20.10 M	Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALL						
	P.C.C. Curb Ramp	24	EA.	\$3,500.00	\$84,000.00	
	P.C.C. Sidewalk (4" Thick) (Standard Finish)	4800	S.Y.	\$100.00	\$480,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	200	S.Y.	\$230.00	\$0.00	
	P.C.C. Curb & Gutter (All Types)	300	L.F.	\$33.00	\$9,900.00	
30.02 M	,	400	L.F.	\$45.00	\$0.00	
20.28 M 20.21 M	Existing Driveway Reconstruction, Concrete	480	S.Y. TON	\$120.00 \$16.00	\$57,600.00 \$0.00	
20.21 M 20.21 M	, 51		TON	\$16.00 \$28.00	\$0.00 \$0.00	
20.21 M 20.22 M		34	TON	\$30.00	\$1,020.00	
40.06 M		69	TON	\$170.00	\$1,730.00	
55.12 M		9	EA.	\$1,000.00	\$9,000.00	
80.02 M	Trench and Backfill (2' x 3')	4800	L.F.	\$1,000.00	\$91,200.00	
70.09 M	Remove and Reset Parking Meter	29	EA.	\$175.00	\$5,075.00	
LIGHTING		2)	Lii i.	\$175.00	ψ5,075.00	
	Luminaire, 106W LED	48	EA.	\$2,000	\$96,000.00	
80.06 M		48	EA.	\$1,075.00	\$51,600.00	
80.05 M	Luminaire Pole, Fixed Base 26 ft.	48	EA.	\$4,150.00	\$199,200.00	
80.04 M			EA.	\$2,000.00	\$0.00	
80.04 M		48	EA.	\$3,500.00	\$168,000.00	
80.10 M		4800	L.F.	\$5.00	\$24,000.00	
80.07 M	2" Steel Conduit (GRSC)	4800	L.F.	\$22.50	\$108,000.00	
80.08 M	Junction Box (Type IA)	48	EA.	\$1,000.00	\$48,000.00	
80.08 M	Junction Box (Type II)		EA.	\$2,000.00	\$0.00	
80.08 M	Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M	Pedestrian Luminaire Pole (12')		EA.	\$5,000.00	\$0.00	
80.14 M		2	EA.	\$12,000.00	\$24,000	
80.23 M	Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0.00	
OTHER						
i	Erosion/Pollution Control	1	LS	All Req'd	\$34,350	2% of pay items
i	Field Office	1	LS	\$7,500.00	\$7,500	
i	Traffic Maintenance	1	LS	All Req'd	\$164,350	10% of pay items
i	Construction Surveying	1	LS	All Req'd		2% of pay items
i	Mobilization/Demobilization	1	LS	All Req'd	\$90,390	5.5% of pay items
	Construction Administration	I	LS	All Req'd	\$220,000	
LITTI ITTE	CONSTRUCTION CONTRACT COST			Subtotal	\$2,192,985	
UTILITIE			LS	A 11 D! -!	611.000	
1	Utility Preliminary Desigr Gas Line Relocate		LS LF	All Req'd \$75.00	\$11,000 \$0	
i			LF LF	\$50.00 \$50.00	\$0 \$0	
1	Underground Telephone Relocate Underground Electric Relocate		LF LF	\$50.00 \$50.00	\$0 \$0	
1	Overhead Electric Relocate		EA	\$100,000.00	\$0 \$0	
	Overhead Electric Relocate		LA	Utilities Subtotal	\$11,000	
COST EST	ΓΙΜΑΤΕ SUMMARY			Ounties Subtotat	COST	
COSTESI	Preliminary Design		LS	All Reg'd	\$511,000	
1	Utilities (placeholder)		LS	All Reg'd	\$11,000	
l	Construction		LS	7 III Roqu	\$2,193,000	
i	Contract Administration		LS		\$701,000	
				i l		İ
Į	Contingencies		%	15%	\$512,000	

Total:

\$3,928,000 Est. Design/Construction Costs

Downtown Anchorage: 6th Avenue, Cordova Street to Ingra Street Lighting and Signals Upgrades Construction Cost Estimates

Project 14-48

	Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVA						
80.07 SP	Remove Steel Conduit	3585	L.F.	\$5.00	\$17,925.00	
80.08 M	Remove Junction Box	5	EA	\$500.00	\$2,500.00	
80.14 SP	Remove Load Center	3	EA	\$1,200.00	\$3,600.00	
80.28 M	Remove Luminaire Pole	24	EA	\$900.00	\$21,600.00	
20.07 M	Remove Existing Sidewalk or Concrete Apron	2400	S.Y.	\$16.00	\$38,400.00	
20.08 M	E	350	L.F.	\$7.00	\$2,450.00	
20.09 M	ě	350	S.Y.	\$4.00	\$1,400.00	
20.10 M			C.Y.	\$35.00	\$0.00	
INSTALL						
	P.C.C. Curb Ramp	20	EA.	\$3,400.00	\$68,000.00	
	P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2400	S.Y.	\$200.00	\$480,000.00	
	P.C.C. Curb & Gutter (All Types)	350	L.F.	\$35.00	\$12,250.00	
	Existing Driveway Reconstruction, Concrete	240	S.Y.	\$120.00	\$28,800.00	
20.21 M	, 31		TON	\$15.00	\$0.00	
20.21 M	, 31	20	TON	\$25.00	\$0.00	
20.22 M	8 ()	39	TON	\$33.00	\$1,287.00	
	A.C. Pavement (Class A) (115 lbs/SY Inch)	81	TON	\$150.00	\$12,150.00	
	Adjust Catch Basin to Finish Grade	2400	EA.	\$1,000.00	\$0.00	
80.02 M 70.09 M	Trench and Backfill (2' x 3')	2400 18	L.F.	\$16.00 \$130.00	\$38,400.00	
LIGHTING	Remove and Reset Parking Meter	18	EA.	\$130.00	\$2,340.00	
	Luminaire, 106W LED	24	EA.	\$1,500	\$36,000.00	
80.23 M 80.06 M	-	24	EA. EA.	\$850.00	\$20,400.00	
80.05 M	=	24	EA.	\$3,300.00	\$79,200.00	
80.03 M 80.04 M	,	24	EA.	\$2,000.00	\$0.00	
80.04 M		24	EA.	\$2,800.00	\$67,200.00	
80.10 M		2400	L.F.	\$5.00	\$12,000.00	
80.07 M		2400	L.F.	\$18.00	\$43,200.00	
	Junction Box (Type IA)	2400	EA.	\$1,000.00	\$24,000.00	
80.08 M	Junction Box (Type II)	24	EA.	\$1,700.00	\$0.00	
80.08 M			EA.	\$2,600.00	\$0.00	
80.05 M	()1 /		EA.	\$2,000.00	\$0.00	
	Load Center	3	EA.	\$12,000.00	\$36,000	
80.23 M		3	EA.	\$1,000.00	\$0.00	
	CONTROL		23.1.	\$1,000.00	Ψ0.00	
	Gambell St and 6th Ave	1	LS	\$273,000.00	\$273,000	
INTERCO	NNECT					
80.99 SP	Interconnect Conduit and Cable	2000	L.F.	\$30.00	\$60,000	
80.99 SP	Interconnect Type I Vault	2	EA.	\$5,500.00	\$11,000	
OTHER						
	Erosion/Pollution Control	1	LS	All Req'd	\$29,120	2% of pay items
	Field Office	1	LS	\$7,500.00	\$7,500	
	Traffic Maintenance	1	LS	All Req'd	\$139,310	10% of pay items
	Construction Surveying	1	LS	All Req'd		2% of pay items
	Mobilization/Demobilization	1	LS	All Req'd	\$76,620	5.5% of pay items
	Construction Administration	1	LS	All Req'd	\$186,000	
	CONSTRUCTION CONTRACT COST			Subtotal	\$1,859,512	
UTILITIES					· · · · · · · · · · · · · · · · · · ·	
	Utility Preliminary Design		LS	All Req'd	\$11,000	
	, ,			-		
	Gas Line Relocate		LF	\$75.00	\$0	
	Underground Telephone Relocate		LF	\$50.00	\$0	
	Underground Electric Relocate		LF	\$50.00	\$0	
	Overhead Electric Relocate		EA	\$100,000.00	\$0	
				Utilities Subtotal	\$11,000	
COST EST	TIMATE SUMMARY				COST	
	Preliminary Design		LS	All Req'd	\$434,000	
	, .			-		
	Utilities (placeholder)		LS	All Req'd	\$11,000	
	Construction		LS		\$1,860,000	
			1	1	\$595,000	İ
	Contract Administration		LS		\$393,000	
	Contract Administration Contingencies		LS %	15%	\$435,000	

Total:

\$3,335,000 Est. Design/Construction Costs