

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
REMOVALS					
80.07 SP Remove Steel Conduit	0	L.F.	\$5.00	\$0.00	
80.08 M Remove Junction Box		EA	\$325.00	\$0.00	
80.14 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	
INSTALLATIONS					
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	
LIGHTING					
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 Pole 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	
80.08 M 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	
80.14 M Load Center	0	EA.	\$12,000.00	\$0.00	
80.23 M Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0.00	
TRAFFIC CONTROL					
Cordova St and 4th Ave	0	LS	All Req'd	\$0	
Gambell St and 4th Ave	0	LS	All Req'd	\$0	
Ingra St and 4th Ave	0	LS	All Req'd	\$0	
INTERCONNECT					
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	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$3,840	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$18,360	10% of pay items
Construction Surveying	1	LS	All Req'd	\$3,670	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$10,100	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$26,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$253,025	
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					
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	
Total:				\$470,000	Est. Design/Construction Costs

**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
REMOVALS					
80.07 SP Remove Steel Conduit	0	L.F.	\$5.00	\$0.00	
80.08 M Remove Junction Box		EA	\$325.00	\$0.00	
80.14 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	
INSTALLATIONS					
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')	500	L.F.	\$19.00	\$9,500.00	
70.09 M Remove and Reset Parking Meter	15	EA.	\$175.00	\$2,625.00	
LIGHTING					
80.23 M 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 Pole Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M 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	
80.07 M 2" Steel Conduit (GRSC)	500	L.F.	\$22.50	\$11,250.00	
80.08 M Junction Box (Type IA)	9	EA.	\$1,000.00	\$9,000.00	
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')	6	EA.	\$5,000.00	\$30,000.00	
80.14 M Load Center	0	EA.	\$12,000.00	\$0.00	
80.23 M Pedestrian Luminaire, LED	6	EA.	\$2,200.00	\$13,200.00	
TRAFFIC CONTROL					
Cordova St and 4th Ave	0	LS	All Req'd	\$0	
Gambell St and 4th Ave	0	LS	All Req'd	\$0	
Ingra St and 4th Ave	0	LS	All Req'd	\$0	
INTERCONNECT					
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	
OTHER					
Erosion/Pollution Control	1	LS	All Req'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	\$4,930	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					
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					
Preliminary Design		LS	All Req'd	\$81,000	
Utilities (placeholder)		LS	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

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

Project 14-48

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
80.07 SP Remove Steel Conduit	0	L.F.	\$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	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	8	EA.	\$3,500.00	\$28,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	60	S.Y.	\$230.00	\$13,800.00	
30.02 M P.C.C. Curb & Gutter (All Types)	100	L.F.	\$33.00	\$3,300.00	
20.28 M Existing Driveway Reconstruction, Concrete	0	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)		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		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					
80.23 M Luminaire, 106W LED		EA.	\$2,000	\$0.00	
80.06 M Luminaire Arm, 15' Length		EA.	\$1,075.00	\$0.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.		EA.	\$4,150.00	\$0.00	
80.04 M Driven Pole 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	
80.14 M Load Center	1	EA.	\$12,000.00	\$12,000.00	
80.23 M Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0.00	
TRAFFIC CONTROL					
Traffic Signal	1	LS	All Req'd	\$300,000	
Gambell St and 4th Ave	0	LS	All Req'd	\$0	
Ingra St and 4th Ave	0	LS	All Req'd	\$0	
INTERCONNECT					
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	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$7,680	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$36,750	10% of pay items
Construction Surveying	1	LS	All Req'd	\$7,350	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$20,210	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$50,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$496,940	
UTILITIES					
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 ESTIMATE SUMMARY					
Preliminary Design		LS	All Req'd	\$86,000	
Utilities (placeholder)		LS	All Req'd	\$0	
Construction		LS		\$497,000	
Contract Administration		LS		\$150,000	
Contingencies		%	15%	\$110,000	
Total:				\$843,000	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
REMOVALS					
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	
80.14 SP Remove Load Center		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	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	80	EA.	\$3,500.00	\$280,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	11600	S.Y.	\$230.00	\$2,668,000.00	
30.02 M 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)		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		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					
80.23 M Luminaire, 106W LED	26	EA.	\$2,000	\$52,000.00	
80.06 M Luminaire Arm, 15' Length	26	EA.	\$1,075.00	\$27,950.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.	26	EA.	\$4,150.00	\$107,900.00	
80.04 M Driven Pole Luminaire Pole Foundations		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)		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	
TRAFFIC CONTROL					
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	
INTERCONNECT					
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	\$465,410	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$1,126,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$11,253,135	
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					
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		\$3,584,000	
Contingencies		%	15%	\$2,619,000	

Total: \$20,078,000 Est. Design/Construction Costs

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

Project 14-48

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
80.07 SP Remove Steel Conduit	300	L.F.	\$5.00	\$1,500.00	
80.08 M Remove Junction Box	8	EA	\$325.00	\$2,600.00	
80.14 SP Remove Load Center	1	EA	\$1,400.00	\$1,400.00	
80.28 M Remove Luminaire Pole	42	EA	\$1,200.00	\$50,400.00	
20.07 M Remove Existing Sidewalk or Concrete Apron	5250	S.Y.	\$18.00	\$94,500.00	
20.08 M Remove Existing Curb and Gutter	220	L.F.	\$8.00	\$1,760.00	
20.09 M Remove Existing Pavement	275	S.Y.	\$4.00	\$1,100.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	22	EA.	\$3,500.00	\$77,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	5250	S.Y.	\$230.00	\$1,207,500.00	
30.02 M P.C.C. Curb & Gutter (All Types)	220	L.F.	\$33.00	\$7,260.00	
20.28 M Existing Driveway Reconstruction, Concrete	440	S.Y.	\$120.00	\$52,800.00	
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)	31	TON	\$30.00	\$930.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	64	TON	\$170.00	\$10,880.00	
55.12 M Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	5500	L.F.	\$19.00	\$104,500.00	
70.09 M Remove and Reset Parking Meter	25	EA.	\$175.00	\$4,375.00	
LIGHTING					
80.23 M Luminaire, 106W LED	33	EA.	\$2,000	\$66,000	
80.06 M Luminaire Arm, 15' Length	33	EA.	\$1,075.00	\$35,475	
80.05 M Luminaire Pole, Fixed Base 26 ft	33	EA.	\$4,150.00	\$136,950	
80.04 M Driven Pole Luminaire Pole Foundation:		EA.	\$2,000.00	\$0	
80.04 M Cast-In-Place Luminaire Pole Foundations:	99	EA.	\$3,500.00	\$346,500	
80.10 M Conductor, 3C #8 AWG XHHW-2 Cable	5500	L.F.	\$5.00	\$27,500	
80.07 M 2" Steel Conduit (GRSC)	5500	L.F.	\$22.50	\$123,750	
80.08 M Junction Box (Type IA)	99	EA.	\$1,000.00	\$99,000	
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')	66	EA.	\$2,000.00	\$132,000	
80.14 M Load Center	1	EA.	\$12,000.00	\$12,000	
80.23 M Pedestrian Luminaire, LED	66	EA.	\$1,000.00	\$66,000	
TRAFFIC CONTROL					
H St and 3rd Ave	1	LS	\$270,000.00	\$270,000	
C St and 3rd Ave	1	LS	\$291,000.00	\$291,000	
A St and 3rd Ave	1	LS	\$271,000.00	\$271,000	
INTERCONNECT					
80.99 SP Interconnect Conduit and Cable	5240	L.F.	\$30.00	\$157,200	
80.99 SP Interconnect Type I Vault	6	EA.	\$5,500.00	\$33,000	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$77,030	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$368,590	10% of pay items
Construction Surveying	1	LS	All Req'd	\$73,720	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$202,720	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$491,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$4,906,440	
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					
Preliminary Design		LS	All Req'd	\$1,140,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$4,906,000	
Contract Administration		LS		\$1,565,000	
Contingencies		%	15%	\$1,143,000	

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					
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 Apror	5320	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)	5320	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/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)	39	TON	\$30.00	\$1,170.00	
40.06 M 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		EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	3200	L.F.	\$19.00	\$60,800.00	
70.09 M Remove and Reset Parking Meter	10	EA.	\$175.00	\$1,750.00	
LIGHTING					
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 Pole Luminaire Pole Foundation:		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	1	LS	All Req'd	\$236,000	
INTERCONNECT					
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					
Erosion/Pollution Control	1	LS	All Req'd	\$60,490	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'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					
Preliminary Design		LS	All Req'd	\$896,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$3,854,000	
Contract Administration		LS		\$1,230,000	
Contingencies		%	15%	\$899,000	

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
REMOVALS					
80.07 SP 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	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	67	EA.	\$3,500.00	\$234,500.00	
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)	7100	L.F.	\$33.00	\$234,300.00	
20.28 M Existing Driveway Reconstruction, Concrete	280	S.Y.	\$120.00	\$33,600.00	
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)	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	
55.12 M 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	
LIGHTING					
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 Driven Pole 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	
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	
TRAFFIC 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	\$231,000.00	\$231,000	
A St and 6th Ave	1	LS	\$249,000.00	\$249,000	
Cordova St and 6th Ave	1	LS	\$231,000.00	\$231,000	
INTERCONNECT					
80.99 SP 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	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$136,540	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 Req'd	\$130,660	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$359,320	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$875,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$8,695,405	
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	
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	
COST ESTIMATE SUMMARY					
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	

Total: \$15,302,000 Est. Design/Construction Costs

**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
REMOVALS					
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	\$7,272.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M 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	TON	\$30.00	\$6,060.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	419	TON	\$170.00	\$71,230.00	
55.10 M Relocate Catch Basin	0	EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	8000	L.F.	\$19.00	\$152,000.00	
70.09 M Remove and Reset Parking Meter	120	EA.	\$175.00	\$21,000.00	
LIGHTING					
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 2" Steel Conduit (GRSC)	6000	L.F.	\$22.50	\$135,000.00	
80.08 M Junction Box (Type IA)	80	EA.	\$1,000.00	\$80,000.00	
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')	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	1	LS	All Req'd	\$248,000	
F St and 5th Ave	1	LS	All Req'd	\$125,000	
D St and 5th Ave	1	LS	All Req'd	\$194,000	
C St and 5th Ave	1	LS	All Req'd	\$270,000	
B St and 5th Ave	1	LS	All Req'd	\$194,000	
A St and 5th Ave	1	LS	All Req'd	\$270,000	
Cordova St and 5th Ave	1	LS	All Req'd	\$261,000	
INTERCONNECT					
80.99 SP Interconnect Conduit and Cable	4360	L.F.	\$30.00	\$130,800	
80.99 SP Interconnect Type I Vault	11	EA.	\$5,500.00	\$60,500	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$142,920	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$683,830	10% of pay items
Construction Surveying	1	LS	All Req'd	\$136,770	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$376,100	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$910,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$9,095,372	
UTILITIES					
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	
			Utilities Subtotal	\$11,000	
COST ESTIMATE SUMMARY				COST	
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	
Total:				\$16,231,000	Est. Design/Construction Costs

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

Project 14-48

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
80.07 SP Remove Steel Conduit	2160	L.F.	\$5.00	\$10,800.00	
80.08 M Remove Junction Box	30	EA	\$325.00	\$9,750.00	
80.14 SP Remove Load Center		EA	\$1,400.00	\$0.00	
80.28 M Remove Luminaire Pole	30	EA	\$1,200.00	\$36,000.00	
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)	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 and Backfill (2' x 3')	1000	L.F.	\$19.00	\$19,000.00	
70.09 M Remove and Reset Parking Meter	14	EA.	\$175.00	\$2,450.00	
LIGHTING					
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 Pole Luminaire Pole Foundation:		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					
Erosion/Pollution Control	1	LS	All Req'd	\$12,620	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$60,390	10% of pay items
Construction Surveying	1	LS	All Req'd	\$12,080	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$33,220	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$82,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$811,720	
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					
Preliminary Design		LS	All Req'd	\$191,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$812,000	
Contract Administration		LS		\$262,000	
Contingencies		%	15%	\$191,000	

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
REMOVALS					
80.07 SP 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 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	
30.02 M P.C.C. Valley Gutter	0	L.F.	\$55.00	\$0.00	
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)	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					
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 Pole 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	\$12,340	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
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	1	LS	All Req'd	\$80,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$793,775	
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					
Preliminary Design		LS	All Req'd	\$187,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$794,000	
Contract Administration		LS		\$256,000	
Contingencies		%	15%	\$187,000	

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
REMOVALS					
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 Apron	2100	S.Y.	\$18.00	\$37,800.00	
20.08 M Remove Existing Curb and Gutter	500	L.F.	\$8.00	\$4,000.00	
20.09 M Remove Existing Pavement	511	S.Y.	\$4.00	\$2,044.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	20	EA.	\$3,500.00	\$70,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2100	S.Y.	\$230.00	\$483,000.00	
30.02 M P.C.C. Curb & Gutter (All Types)	500	L.F.	\$33.00	\$16,500.00	
20.28 M Existing Driveway Reconstruction, Concrete	220	S.Y.	\$120.00	\$26,400.00	
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)	57	TON	\$30.00	\$1,710.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	118	TON	\$170.00	\$20,060.00	
55.12 M Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M Trench Excavation and Backfill (2' x 3')	2800	L.F.	\$19.00	\$53,200.00	
70.09 M Remove and Reset Parking Meter		EA.	\$175.00	\$0.00	
LIGHTING					
80.23 M Luminaire, 106W LED	21	EA.	\$2,000	\$42,000	
80.06 M Luminaire Arm, 15' Length	21	EA.	\$1,075.00	\$22,575	
80.05 M Luminaire Pole, Fixed Base 26 ft	21	EA.	\$4,150.00	\$87,150	
80.04 M Driven Pole Luminaire Pole Foundation:		EA.	\$2,000.00	\$0	
80.04 M Cast-In-Place Luminaire Pole Foundations:	21	EA.	\$3,500.00	\$73,500	
80.10 M Conductor, 3C #8 AWG XHHW-2 Cable	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 Load Center	2	EA.	\$12,000.00	\$24,000	
80.23 M Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0	
TRAFFIC CONTROL					
Ingra St and 5th Ave	1	LS	All Req'd	\$269,000	
Ingra St and 6th Ave	1	LS	All Req'd	\$278,000	
INTERCONNECT					
80.99 SP Interconnect Conduit and Cable	1650	L.F.	\$30.00	\$49,500	
80.99 SP Interconnect Type I Vault	3	EA.	\$5,500.00	\$16,500	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$35,420	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$169,460	10% of pay items
Construction Surveying	1	LS	All Req'd	\$33,890	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$93,200	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$227,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$2,261,059	
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					
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	
Contingencies		%	15%	\$528,000	

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
REMOVALS					
80.07 SP Remove Steel Conduit	3160	L.F.	\$5.00	\$15,800.00	
80.08 M Remove Junction Box	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 Apror	5200	S.Y.	\$18.00	\$93,600.00	
20.08 M Remove Existing Curb and Gutter	260	L.F.	\$8.00	\$2,080.00	
20.09 M Remove Existing Pavement	325	S.Y.	\$4.00	\$1,300.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	26	EA.	\$3,500.00	\$91,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Standard Finish)	5200	S.Y.	\$100.00	\$520,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	0	S.Y.	\$230.00	\$0.00	
30.02 M P.C.C. Curb & Gutter (All Types)	260	L.F.	\$35.00	\$9,100.00	
30.02 M P.C.C. Valley Gutter	0	L.F.	\$45.00	\$0.00	
20.28 M Existing Driveway Reconstruction, Concrete	520	S.Y.	\$120.00	\$62,400.00	
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)	37	TON	\$30.00	\$1,110.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	75	TON	\$170.00	\$12,750.00	
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')	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 Seeding (Schedule A)		MSF	\$900.00	\$0.00	
LIGHTING					
80.23 M 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 Driven Pole Luminaire Pole Foundations:		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 Junction Box (Type III)		EA.	\$2,600.00	\$0.00	
80.05 M Pedestrian Luminaire Pole (12')	0	EA.	\$5,000.00	\$0.00	
80.14 M Load Center		EA.	\$12,000.00	\$0	
80.23 M Pedestrian Luminaire, LED	0	EA.	\$2,200.00	\$0.00	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$36,100	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$172,730	10% of pay items
Construction Surveying	1	LS	All Req'd	\$34,550	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$95,000	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$231,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$2,304,170	
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					
Preliminary Design		LS	All Req'd	\$537,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$2,304,000	
Contract Administration		LS		\$737,000	
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
REMOVALS					
80.07 SP 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		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 Apror	5600	S.Y.	\$18.00	\$100,800.00	
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) (Standard Finish)	5600	S.Y.	\$100.00	\$560,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	0	S.Y.	\$230.00	\$0.00	
30.02 M P.C.C. Curb & Gutter (All Types)	280	L.F.	\$35.00	\$9,800.00	
30.02 M P.C.C. Valley Gutter	0	L.F.	\$45.00	\$0.00	
20.28 M Existing Driveway Reconstruction, Concrete	560	S.Y.	\$120.00	\$67,200.00	
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)	39	TON	\$30.00	\$1,170.00	
40.06 M 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					
80.23 M Luminaire, 106W LED	42	EA.	\$2,000	\$84,000.00	
80.06 M Luminaire Arm, 15' Length	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 Foundation:		EA.	\$2,000.00	\$0.00	
80.04 M Cast-In-Place Luminaire Pole Foundation:	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		EA.	\$12,000.00	\$0	
80.23 M Pedestrian Luminaire, LED	84	EA.	\$1,000.00	\$84,000.00	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$49,750	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$238,060	10% of pay items
Construction Surveying	1	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 Administration	1	LS	All Req'd	\$318,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$3,172,405	
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					
Preliminary Design		LS	All Req'd	\$738,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$3,172,000	
Contract Administration		LS		\$1,013,000	
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
REMOVALS					
80.07 SP Remove Steel Conduit		L.F.	\$5.00	\$0.00	
80.08 M Remove Junction Box	26	EA	\$500.00	\$13,000.00	
80.14 SP Remove Load Center		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.	\$18.00	\$46,800.00	
20.08 M Remove Existing Curb and Gutter	3900	L.F.	\$8.00	\$31,200.00	
20.09 M Remove Existing Pavement	900	S.Y.	\$4.00	\$3,600.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	13	EA.	\$3,500.00	\$45,500.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2600	S.Y.	\$230.00	\$598,000.00	
30.02 M P.C.C. Curb & Gutter (All Types)	3900	L.F.	\$35.00	\$136,500.00	
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 Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 M Leveling Course (2 tons/CY)	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	
ELECTROLIERS					
80.23 M Luminaire, 106W LED	26	EA.	\$2,000	\$52,000.00	
80.06 M Luminaire Arm, 15' Length	26	EA.	\$1,075.00	\$27,950.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.	26	EA.	\$4,150.00	\$107,900.00	
80.04 M Driven Pole Luminaire Pole Foundations		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 Conductor, 3C #8 AWG XHHW-2 Cable	3900	L.F.	\$5.00	\$19,500.00	
80.07 M 2" Steel Conduit (GRSC)	3900	L.F.	\$22.50	\$87,750.00	
80.08 M Junction Box (Type IA)	26	EA.	\$1,000.00	\$26,000.00	
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')	0	EA.	\$2,000.00	\$0.00	
80.14 M Load Center			\$12,000.00	\$0.00	
80.23 M Pedestrian Luminaire, LED	0	EA.	\$1,000.00	\$0.00	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$30,000	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$143,890	10% of pay items
Construction Surveying	1	LS	All Req'd	\$28,780	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$79,140	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$193,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$1,921,250	
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					
Preliminary Design		LS	All Req'd	\$448,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$1,921,000	
Contract Administration		LS		\$615,000	
Contingencies		%	15%	\$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

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
80.07 SP Remove Steel Conduit	930	L.F.	\$5.00	\$4,650.00	
80.08 M Remove Junction Box	11	EA	\$325.00	\$3,575.00	
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	6000	S.Y.	\$18.00	\$108,000.00	
20.08 M Remove Existing Curb and Gutter	180	L.F.	\$8.00	\$1,440.00	
20.09 M Remove Existing Pavement	225	S.Y.	\$4.00	\$900.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	18	EA.	\$3,500.00	\$63,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	6000	S.Y.	\$230.00	\$1,380,000.00	
30.02 M P.C.C. Curb & Gutter (All Types)	0	L.F.	\$33.00	\$0.00	
20.28 M Existing Driveway Reconstruction, Concrete	360	S.Y.	\$120.00	\$43,200.00	
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)	25	TON	\$30.00	\$750.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	52	TON	\$170.00	\$8,840.00	
55.12 M Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	2800	L.F.	\$19.00	\$53,200.00	
70.09 M Remove and Reset Parking Meter	39	EA.	\$175.00	\$6,825.00	
LIGHTING					
80.23 M Luminaire, 106W LED	27	EA.	\$2,000	\$54,000.00	
80.06 M Luminaire Arm, 15' Length	27	EA.	\$1,075.00	\$29,025.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.	27	EA.	\$4,150.00	\$112,050.00	
80.04 M Driven Pole Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M Cast-In-Place Luminaire Pole Foundations	27	EA.	\$3,500.00	\$94,500.00	
80.10 M 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	
80.08 M 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	
80.14 M Load Center		EA.	\$12,000.00	\$0	
80.23 M Pedestrian Luminaire, LED	54	EA.	\$2,200.00	\$118,800.00	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$52,770	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 Req'd	\$337,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$3,364,265	
UTILITIES					
Utility Preliminary Design	1	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					
Preliminary Design		LS	All Req'd	\$782,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$3,364,000	
Contract Administration		LS		\$1,074,000	
Contingencies		%	15%	\$785,000	

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		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 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	
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.	\$19.00	\$19,000.00	
70.09 M Remove and Reset Parking Meter	30	EA.	\$175.00	\$5,250.00	
LIGHTING					
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 Pole Luminaire Pole Foundation:		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					
Erosion/Pollution Control	1	LS	All Req'd	\$11,610	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$55,550	10% of pay items
Construction Surveying	1	LS	All Req'd	\$11,110	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 Designr		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					
Preliminary Design		LS	All Req'd	\$176,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$747,000	
Contract Administration		LS		\$241,000	
Contingencies		%	15%	\$176,000	

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
REMOVALS					
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	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	26	EA.	\$3,500.00	\$91,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	3525	S.Y.	\$230.00	\$810,750.00	
30.02 M P.C.C. Curb & Gutter (All Types)	350	L.F.	\$33.00	\$11,550.00	
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 Classified Fill and Backfill, Type A (2 tons/CY)		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)	81	TON	\$170.00	\$13,770.00	
55.12 M Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	2400	L.F.	\$19.00	\$45,600.00	
70.09 M Remove and Reset Parking Meter	23	EA.	\$175.00	\$4,025.00	
LIGHTING					
80.23 M Luminaire, 106W LED	24	EA.	\$2,000	\$48,000.00	
80.06 M Luminaire Arm, 15' Length	24	EA.	\$1,075.00	\$25,800.00	
80.05 M Luminaire Pole, Fixed Base 26 ft	24	EA.	\$4,150.00	\$99,600.00	
80.04 M Driven Pole Luminaire Pole Foundation:		EA.	\$2,000.00	\$0.00	
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.	\$5.00	\$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)		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	
TRAFFIC CONTROL					
Gambell St and 5th Ave	1	LS	All Req'd	\$275,000.00	
INTERCONNECT					
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	\$38,440	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	
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 Req'd	\$514,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$2,207,000	
Contract Administration		LS		\$706,000	
Contingencies		%	15%	\$516,000	

Total: \$3,954,000 Est. Design/Construction Costs

**Downtown Anchorage: East Spot Fix
Lighting Upgrades
Construction Cost Estimates**

Project 14-48

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
80.07 SP Remove Steel Conduit		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	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	9	EA.	\$3,500.00	\$31,500.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2570	S.Y.	\$230.00	\$591,100.00	
30.02 M P.C.C. Curb & Gutter (All Types)	3900	L.F.	\$35.00	\$136,500.00	
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 Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$28.00	\$0.00	
20.22 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		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	
ELECTROLIERS					
80.23 M Luminaire, 106W LED	18	EA.	\$2,000	\$36,000.00	
80.06 M 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	
80.04 M Driven Pole 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	3900	L.F.	\$5.00	\$19,500.00	
80.07 M 2" Steel Conduit (GRSC)	3900	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 ESTIMATE SUMMARY					
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	
Contingencies		%	15%	\$408,000	
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
REMOVALS					
80.07 SP Remove Steel Conduit		L.F.	\$5.00	\$0.00	
80.08 M Remove Junction Box	36	EA	\$325.00	\$11,700.00	
80.28 SP Remove Load Center		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.	\$18.00	\$18,720.00	
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	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	3	EA.	\$3,500.00	\$10,500.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	1040	S.Y.	\$230.00	\$239,200.00	
30.02 M P.C.C. Curb & Gutter (All Types)	1600	L.F.	\$33.00	\$52,800.00	
20.28 M Existing Driveway Reconstruction, Concrete	230	S.Y.	\$120.00	\$27,600.00	
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)	43	TON	\$30.00	\$1,290.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	89	TON	\$170.00	\$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.	\$19.00	\$22,800.00	
70.09 M Remove and Reset Parking Meter	14	EA.	\$175.00	\$2,450.00	
LIGHTING					
80.23 M Luminaire, 106W LED	18	EA.	\$2,000.00	\$36,000.00	
80.06 M 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	
80.04 M Driven Pole Luminaire Pole Foundations		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.	\$5.00	\$6,000.00	
80.07 M 2" Steel Conduit (GRSC)	1200	L.F.	\$22.50	\$27,000.00	
80.08 M Junction Box (Type IA)	54	EA.	\$1,000.00	\$54,000.00	
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')	36	EA.	\$5,000.00	\$180,000.00	
80.14 M Load Center	1	EA	\$12,000.00	\$12,000.00	
80.23 M Pedestrian Luminaire, LED	36	EA.	\$2,200.00	\$79,200.00	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$24,280	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$116,160	10% of pay items
Construction Surveying	1	LS	All Req'd	\$23,230	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$63,890	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$156,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$1,552,640	
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					
Preliminary Design		LS	All Req'd	\$363,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$1,553,000	
Contract Administration		LS		\$498,000	
Contingencies		%	15%	\$364,000	

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
REMOVALS					
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	
INSTALLATIONS					
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 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 Excavation and Backfill (2' x 3')	2500	L.F.	\$19.00	\$47,500.00	
70.09 M Remove and Reset Parking Meter		EA.	\$175.00	\$0.00	
LIGHTING					
80.23 M Luminaire, 106W LED	21	EA.	\$2,000	\$42,000	
80.06 M Luminaire Arm, 15' Length	21	EA.	\$1,075.00	\$22,575	
80.05 M Luminaire Pole, Fixed Base 26 ft.	21	EA.	\$4,150.00	\$87,150	
80.04 M Driven Pole 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 Conductor, 3C #8 AWG XHHW-2 Cable	2500	L.F.	\$5.00	\$12,500	
80.07 M 2" Steel Conduit (GRSC)	2500	L.F.	\$22.50	\$56,250	
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.	\$2,000.00	\$0	
80.14 M Load Center	1	EA.	\$12,000.00	\$12,000	
80.23 M 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	\$23,420	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	\$61,640	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$150,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$1,497,780	
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 Req'd	\$350,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$1,498,000	
Contract Administration		LS		\$480,000	
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

Work	Quantity	Unit	Unit Cost	Total Cost	Remarks
REMOVALS					
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 Remove Existing Sidewalk or Concrete Apror	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 Remove Existing Pavement	300	S.Y.	\$4.00	\$1,200.00	
20.10 M Unusable Excavation		C.Y.	\$35.00	\$0.00	
INSTALLATIONS					
30.04 M P.C.C. Curb Ramp	24	EA.	\$3,500.00	\$84,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Standard Finish)	4800	S.Y.	\$100.00	\$480,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)		S.Y.	\$230.00	\$0.00	
30.02 M P.C.C. Curb & Gutter (All Types)	300	L.F.	\$33.00	\$9,900.00	
30.02 M P.C.C. Valley Gutter		L.F.	\$45.00	\$0.00	
20.28 M Existing Driveway Reconstruction, Concrete	480	S.Y.	\$120.00	\$57,600.00	
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)	34	TON	\$30.00	\$1,020.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	69	TON	\$170.00	\$11,730.00	
55.12 M Adjust Catch Basin to Finish Grade	9	EA.	\$1,000.00	\$9,000.00	
80.02 M Trench and Backfill (2' x 3')	4800	L.F.	\$19.00	\$91,200.00	
70.09 M Remove and Reset Parking Meter	29	EA.	\$175.00	\$5,075.00	
LIGHTING					
80.23 M Luminaire, 106W LED	48	EA.	\$2,000	\$96,000.00	
80.06 M Luminaire Arm, 15' Length	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 Driven Pile Luminaire Pole Foundation:		EA.	\$2,000.00	\$0.00	
80.04 M Cast-In-Place Luminaire Pole Foundation:	48	EA.	\$3,500.00	\$168,000.00	
80.10 M Conductor, 3C #8 AWG XHHW-2 Cable	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 Load Center	2	EA.	\$12,000.00	\$24,000	
80.23 M Pedestrian Luminaire, LED		EA.	\$2,200.00	\$0.00	
OTHER					
Erosion/Pollution Control	1	LS	All Req'd	\$34,350	2% of pay items
Field Office	1	LS	\$7,500.00	\$7,500	
Traffic Maintenance	1	LS	All Req'd	\$164,350	10% of pay items
Construction Surveying	1	LS	All Req'd	\$32,870	2% of pay items
Mobilization/Demobilization	1	LS	All Req'd	\$90,390	5.5% of pay items
Construction Administration	1	LS	All Req'd	\$220,000	
CONSTRUCTION CONTRACT COST			Subtotal	\$2,192,985	
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					
Preliminary Design		LS	All Req'd	\$511,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$2,193,000	
Contract Administration		LS		\$701,000	
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
REMOVALS					
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 Remove Existing Curb and Gutter	350	L.F.	\$7.00	\$2,450.00	
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	20	EA.	\$3,400.00	\$68,000.00	
30.03 M P.C.C. Sidewalk (4" Thick) (Aggregate Finish)	2400	S.Y.	\$200.00	\$480,000.00	
30.02 M P.C.C. Curb & Gutter (All Types)	350	L.F.	\$35.00	\$12,250.00	
20.28 M Existing Driveway Reconstruction, Concrete	240	S.Y.	\$120.00	\$28,800.00	
20.21 M Classified Fill and Backfill, Type B (2 tons/CY)		TON	\$15.00	\$0.00	
20.21 M Classified Fill and Backfill, Type A (2 tons/CY)		TON	\$25.00	\$0.00	
20.22 M Leveling Course (2 tons/CY)	39	TON	\$33.00	\$1,287.00	
40.06 M A.C. Pavement (Class A) (115 lbs/SY Inch)	81	TON	\$150.00	\$12,150.00	
55.12 M Adjust Catch Basin to Finish Grade		EA.	\$1,000.00	\$0.00	
80.02 M Trench and Backfill (2' x 3')	2400	L.F.	\$16.00	\$38,400.00	
70.09 M Remove and Reset Parking Meter	18	EA.	\$130.00	\$2,340.00	
LIGHTING					
80.23 M Luminaire, 106W LED	24	EA.	\$1,500	\$36,000.00	
80.06 M Luminaire Arm, 15' Length	24	EA.	\$850.00	\$20,400.00	
80.05 M Luminaire Pole, Fixed Base 26 ft.	24	EA.	\$3,300.00	\$79,200.00	
80.04 M Driven Pole Luminaire Pole Foundations		EA.	\$2,000.00	\$0.00	
80.04 M Cast-In-Place Luminaire Pole Foundations	24	EA.	\$2,800.00	\$67,200.00	
80.10 M Conductor, 3C #8 AWG XHHW-2 Cable	2400	L.F.	\$5.00	\$12,000.00	
80.07 M 2" Steel Conduit (GRSC)	2400	L.F.	\$18.00	\$43,200.00	
80.08 M Junction Box (Type IA)	24	EA.	\$1,000.00	\$24,000.00	
80.08 M Junction Box (Type II)		EA.	\$1,700.00	\$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	
TRAFFIC CONTROL					
Gambell St and 6th Ave	1	LS	\$273,000.00	\$273,000	
INTERCONNECT					
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	\$27,860	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 ESTIMATE SUMMARY					
Preliminary Design		LS	All Req'd	\$434,000	
Utilities (placeholder)		LS	All Req'd	\$11,000	
Construction		LS		\$1,860,000	
Contract Administration		LS		\$595,000	
Contingencies		%	15%	\$435,000	
Total:				\$3,335,000	Est. Design/Construction Costs