

EXHIBIT C
PROJECT COST ESTIMATE



Planning Level Engineer's Opinion of Probable Costs
City of Kirkland - 132nd Ave NE & NE 100th St Intersection Improvement
Conceptual - FOR PLANNING PURPOSES ONLY

1.22010.00
November 8, 2022

Description of Work:

Conceptual-level intersection improvements at 132nd Avenue NE & NE 100th Street, including traffic signal, illumination, channelization, ADA, and civil elements.

Assumptions:

1. Refer to the Intersection Improvement Concept figure for additional details.
2. Roadway illumination will be provided by replacing existing luminaire fixtures on existing PSE utility poles.
3. Costs associated with additional ROW, if needed, are not included.
4. Costs associated with underground utility relocations, if needed, are not included.
5. Costs associated with drainage improvements, if needed, are not included.
6. Roadway paving will be limited to the intersection corners and for trench restorations, as needed for the construction of the improvements. No grind and overlay is assumed to be needed.

SCHEDULE A: ROADWAY IMPROVEMENTS						
Item No.	Spec. Section #	Item Description	Quantity	Unit	Unit Price	Total Price
DIVISION 1 – GENERAL REQUIREMENTS						
1	1-04.4(1)	Minor Change	1	F.A.	\$ 10,000	\$ 10,000
2	1-05.4	Construction Surveying	1	L.S.	\$ 8,000	\$ 8,000
3	1-05.4	ADA Features Surveying	1	L.S.	\$ 5,000	\$ 5,000
4	1-05.18	Record Drawings	1	L.S.	\$ 5,000	\$ 5,000
5	1-07.15	SPCC Plan	1	L.S.	\$ 1,000	\$ 1,000
6	1-09.7	Mobilization (10%)	1	L.S.	\$ 87,000	\$ 87,000
7	1-10	Project Temporary Traffic Control (10%)	1	L.S.	\$ 87,000	\$ 87,000
DIVISION 2 – EARTHWORK						
8	2-01	Clearing, Grubbing, and Roadside Cleanup	0.30	ACRE	\$ 20,000	\$ 6,000
9	2-02.3	Saw Cutting	700	L.F.	\$ 35	\$ 24,500
10	2-02.3	Removal of Structures and Obstructions	1	L.S.	\$ 17,000	\$ 17,000
11	2-03	Roadway Excavation Incl. Haul	26	C.Y.	\$ 150	\$ 3,889
DIVISION 4 – BASES						
12	4-04	Crushed Surfacing Base Course	50	TON	\$ 50	\$ 2,484
DIVISION 5 – SURFACE TREATMENTS AND PAVEMENTS						
13	5-04	HMA CL. 1/2 in. PG. 64-22	55	TON	\$ 250	\$ 13,762
DIVISION 8 – MISCELLANEOUS CONSTRUCTION						
14	8-01	Erosion Control and Water Pollution Prevention	1	L.S.	\$ 5,000	\$ 5,000
15	8-04	Cement Conc. Traffic Curb and Gutter	145	L.F.	\$ 50	\$ 7,250
16	8-04	Cement Conc. Pedestrian Curb	40	L.F.	\$ 50	\$ 2,000
17	8-09	Raised Pavement Marker Type 2	1	HUND.	\$ 2,000	\$ 2,000
18	8-14	Cement Conc. Curb Ramp Type Parallel A	1	EA.	\$ 4,000	\$ 4,000
19	8-14	Cement Conc. Curb Ramp Type Perpendicular	4	EA.	\$ 4,000	\$ 16,000
20	8-14	Cement Conc. Curb Ramp Type Combination	1	EA.	\$ 4,000	\$ 4,000
21	8-20	Traffic Signal System, Complete	1	L.S.	\$ 685,000	\$ 685,000
22	8-21	Permanent Signing	1	L.S.	\$ 5,000	\$ 5,000
23	8-21	Removing Paint Line	2,200	L.F.	\$ 4	\$ 8,800
24	8-22	Paint Line	2,200	L.F.	\$ 8	\$ 17,600
25	8-22	Painted Wide Line	1,600	L.F.	\$ 10	\$ 16,000
26	8-22	Plastic Stop Line	90	L.F.	\$ 25	\$ 2,250
27	8-22	Plastic Crosswalk Line	620	S.F.	\$ 20	\$ 12,400
28	8-22	Plastic Traffic Arrow	6	EA.	\$ 600	\$ 3,600
29	8-22	Plastic Bicycle Lane Symbol	6	EA.	\$ 600	\$ 3,600
30	8-22	Plastic Bicycle Detector Marking	2	EA.	\$ 300	\$ 600
31	8-22	Plastic Bicycle Intersection Conflict Marking	230	S.F.	\$ 40	\$ 9,200
SUBTOTAL:						\$ 1,074,934
CONTINGENCY (25%):						\$ 268,734
GRAND TOTAL:						\$ 1,343,668

Total Estimated Construction Cost \$1,343,668

Design - Consultant \$265,000
In House Labor (City of Kirkland & City of Redmond) \$250,000
Permitting Fees \$10,000
Inspection/Construction Management - Consultant \$215,000
Contingency \$134,367

Total Estimated Project Cost \$2,218,035