

APPENDIX C

Estimate of Probable Construction Costs

Summary of Build Alternatives

Replace Pavement Alternative	\$183,870.00
Construction Engineering @ 15%	\$27,580.50
Subtotal	\$211,450.50
Contingency @ 10%	\$21,150.00
Total	\$232,610.00
Say	\$233,000.00

31-Foot Alternative
 (Includes traffic calming and
 turnaround options)

Schedule A	\$1,594,375.00
Schedule B	\$779,517.00
Schedule C	\$151,890.00
Lighting	\$32,500.00
Landscaping	\$310,000.00
Subtotal	\$2,868,282.00
Engineering Administration @ 15%	\$430,250.00
Subtotal	\$3,298,540.00
Contingency @ 15%	\$494,790.00
Total	\$3,793,330.00
Say	\$3,800,000.00

36-Foot Alternative
 (Includes traffic calming and
 turnaround options)

Schedule A	\$1,686,675.00
Schedule B	\$779,517.00
Schedule C	\$151,890.00
Lighting	\$32,500.00
Landscaping	\$310,000.00
Subtotal	\$2,960,582.00
Construction Engineering @ 15%	\$444,100.00
Subtotal	\$3,404,700.00
Contingency @ 20%	\$681,000.00
Total	\$4,085,700.00
Say	\$4,100,000.00

Parking Options

Parallel Parking Option	Say	\$44,000.00
Angled Parking Option	Say	\$86,000.00
10 Transit Stops	Say	\$150,000.00

PRELIMINARY CONSTRUCTION COST ESTIMATE-REPLACE PAVEMENT ALTERNATIVE

Project: 05-002
 Title: 6th Avenue Reconstruction
 Location: Anchorage, AK
 Client: Municipality of Anchorage
 Estimated by: SP

Date: 9/24/2007
 Sheet: 1 of 1
 Checked by:
 Approved by:

ITEM NO.	WORK DESCRIPTION	M.A.S.S. SECTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
<i>STREET IMPROVEMENTS</i>						
A-1	Leveling Course	20.06	1,210	Ton	\$27.00	\$32,670.00
A-2	Stormwater Pollution Prevention Plan	20.26	1	L.S.	\$40,000.00	\$40,000.00
A-3	A.C. Pavement (Class E)	40.02	1,240	Ton	\$70.00	\$86,800.00
A-4	Adjust Manhole Ring to Finish Grade	70.03	19	Each	\$1,000.00	\$19,000.00
A-5	Adjust Mainline Valve Box to Finish Grade	70.08	12	Each	\$450.00	\$5,400.00
SUBTOTAL:						\$183,870.00

PRELIMINARY CONSTRUCTION COST ESTIMATE-31' DESIGN ALTERNATIVE

Project: 05-002
 Title: 6th Avenue Reconstruction
 Location: Anchorage, AK
 Client: Municipality of Anchorage
 Estimated by: SP

Date: 9/24/2007
 Sheet: 1 of 2
 Checked by:
 Approved by:

ITEM NO.	WORK DESCRIPTION	M.A.S.S. SECTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
STREET IMPROVEMENTS						
A-1	Clearing and Grubbing	20.02	1	L.S.	\$15,000.00	\$15,000.00
A-2	Unusable Excavation	20.04	11,600	C.Y.	\$10.00	\$116,000.00
A-3	Type II Classified Fill and Backfill	20.05	26,700	Ton	\$16.00	\$427,200.00
A-4	Leveling Course	20.06	1,700	Ton	\$27.00	\$45,900.00
A-5	Remove Existing Sidewalk	20.17	445	S.Y.	\$38.00	\$16,910.00
A-6	Remove Existing Curb and Gutter	20.18	4,300	L.F.	\$7.00	\$30,100.00
A-7	Remove Existing Pavement	20.19	14,600	S.Y.	\$4.00	\$58,400.00
A-8	Stormwater Pollution Prevention Plan	20.26	1	L.S.	\$40,000.00	\$40,000.00
A-9	P.C.C. Curb and Gutter (All Types)	30.02	6,740	L.F.	\$25.00	\$168,500.00
A-10	P.C.C. Valley Gutter	30.02	138	L.F.	\$25.00	\$3,450.00
A-11	P.C.C. Sidewalk 4" Thick (Broom Finish)	30.03	2,330	S.Y.	\$52.00	\$121,160.00
A-12	P.C.C. Sidewalk 6" Thick (Broom Finish)	30.03	400	S.Y.	\$63.00	\$25,200.00
A-13	P.C.C. Curb Ramp	30.07	35	Each	\$3,200.00	\$112,000.00
A-14	A.C. Pavement (Class E)	40.02	2,100	Ton	\$70.00	\$147,000.00
A-15	Oil & Grit Separator Vortech 4000	55.15	1	Each	\$100,000.00	\$100,000.00
A-16	Relocate Fire Hydrant	60.14	3	Each	\$3,750.00	\$11,250.00
A-17	4" Topsoil	70.04	63	M.S.F.	\$690.00	\$43,470.00
A-18	Seeding (Schedule A)	70.05	63	M.S.F.	\$575.00	\$36,225.00
A-19	Adjust Mainline Valve Box to Finish Grade	70.08	17	Each	\$450.00	\$7,650.00
A-20	Striping	70.19	1	L.S.	\$10,000.00	\$10,000.00
A-21	Remove Signs	70.20	34	Each	\$140.00	\$4,760.00
A-22	Standard Sign	70.20	280	S.F.	\$70.00	\$19,600.00
A-23	(3) Flashers	70.20	1	L.S.	\$25,000.00	\$25,000.00
A-24	Relocate Mailbox	70.23	24	Each	\$400.00	\$9,600.00
SUBTOTAL:						\$1,594,375.00

PRELIMINARY CONSTRUCTION COST ESTIMATE

Project: 05-002
 Title: 6th Avenue Reconstruction
 Location: Anchorage, AK
 Client: Municipality of Anchorage
 Estimated by: SP

Date: 9/24/2007
 Sheet: 2 of 2
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 Approved by:

ITEM NO.	WORK DESCRIPTION	M.A.S.S. SECTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
STORM DRAIN IMPROVEMENTS						
B-1	Trench Excavation and Backfill	20.07	4,468	L.F.	\$35.00	\$156,380.00
B-2	Bedding Material (Class B)	20.11	4,468	L.F.	\$15.00	\$67,020.00
B-3	Mechanical Compaction	20.14	4,468	L.F.	\$5.00	\$22,340.00
B-4	Furnish and Install 12" CPEP Type S	55.02	3,033	L.F.	\$44.00	\$133,452.00
B-5	Furnish and Install 24" CPEP Type S	55.02	1,100	L.F.	\$65.00	\$71,500.00
B-6	Furnish and Install 30" CPEP Type S	55.02	335	L.F.	\$75.00	\$25,125.00
B-7	Construct Type I Manhole	55.04	11	Each	\$5,000.00	\$55,000.00
B-8	Construct Catch Basin	55.06	26	Each	\$3,800.00	\$98,800.00
B-9	Connect to Existing Manhole	55.07	5	Each	\$2,500.00	\$12,500.00
B-10	Remove Existing Storm Piping	70.0X	1	L.S.	\$40,000.00	\$40,000.00
B-11	Remove Existing Manhole or Catch Basin	70.07	35	Each	\$1,300.00	\$45,500.00
B-12	Insulation Board (R=18)	70.18	17,300	S.F.	\$3.00	\$51,900.00
SUBTOTAL:						\$779,517.00
SANITARY SEWER IMPROVEMENTS						
C-1	Trench Excavation and Backfill	20.07	610	L.F.	\$35.00	\$21,350.00
C-2	Bedding Material (Class C)	20.11	610	L.F.	\$15.00	\$9,150.00
C-3	Mechanical Compaction	20.14	610	L.F.	\$5.00	\$3,050.00
C-4	Furnish and Install 8" DIP	50.02	610	L.F.	\$65.00	\$39,650.00
C-5	Construct Manhole (Type A, 0-12")	50.03	3	Each	\$5,000.00	\$15,000.00
C-6	Connect to Existing Manhole	50.05	2	Each	\$2,500.00	\$5,000.00
C-7	Service Connections (4")	50.10	7	Each	\$5,000.00	\$35,000.00
C-8	Polyethylene Encasement	50.13	610	L.F.	\$3.00	\$1,830.00
C-9	Adjust Manhole Cone to Finish Grade	70.02	2	Each	\$2,100.00	\$4,200.00
C-10	Adjust Manhole Ring to Finish Grade	70.03	5	Each	\$1,000.00	\$5,000.00
C-11	Removal of Sanitary Sewer Piping	70.0X	164	L.F.	\$65.00	\$10,660.00
C-12	Remove Existing Cleanout	70.0X	1	Each	\$2,000.00	\$2,000.00
SUBTOTAL:						\$151,890.00

PRELIMINARY CONSTRUCTION COST FOR LIGHTING

Project: 05-002
 Title: 6th Avenue Reconstruction
 Location: Anchorage, AK
 Client: Municipality of Anchorage
 Estimated by: SP

Date: 9/24/2007
 Sheet: 1 of 2
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ITEM NO.	WORK DESCRIPTION	M.A.S.S. SECTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
LIGHTING IMPROVEMENTS						
E-1	Lighting Assembly	80.XX	1	L.S.	\$7,000.00	\$7,000.00
E-2	Replace Fixture	80.xx	14	EA	\$1,000.00	\$14,000.00
E-3	Pull Wires	80.xx	2,300	LF	\$5.00	\$11,500.00
SUBTOTAL:						\$32,500.00

PRELIMINARY CONSTRUCTION COST ESTIMATE-PARALLEL PARKING OPTION

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ITEM NO.	WORK DESCRIPTION	M.A.S.S. SECTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
STREET IMPROVEMENTS						
A-1	Clearing and Grubbing	20.02	1	L.S.	\$4,000.00	\$4,000.00
A-2	Unusable Excavation	20.04	560	C.Y.	\$10.00	\$5,600.00
A-3	Type II Classified Fill and Backfill	20.05	1,220	Ton	\$16.00	\$19,520.00
A-4	Leveling Course	20.06	110	Ton	\$27.00	\$2,970.00
A-5	A.C. Pavement (Class E)	40.02	110	Ton	\$70.00	\$7,700.00
A-6	Striping	70.19	1	L.S.	\$4,000.00	\$4,000.00
SUBTOTAL:						\$43,790.00

PRELIMINARY CONSTRUCTION COST ESTIMATE-ANGLED PARKING OPTION

Project: 05-002
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<i>STREET IMPROVEMENTS</i>						
A-1	Clearing and Grubbing	20.02	1	L.S.	\$6,000.00	\$6,000.00
A-2	Unusable Excavation	20.04	1,100	C.Y.	\$10.00	\$11,000.00
A-3	Type II Classified Fill and Backfill	20.05	2,400	Ton	\$16.00	\$38,400.00
A-4	Leveling Course	20.06	200	Ton	\$27.00	\$5,400.00
A-5	A.C. Pavement (Class E)	40.02	210	Ton	\$70.00	\$14,700.00
A-6	Relocate Irrigation	70.0x	1	Each	\$6,500.00	\$6,500.00
A-7	Striping	70.19	1	L.S.	\$4,000.00	\$4,000.00
SUBTOTAL:						\$86,000.00

PRELIMINARY CONSTRUCTION COST ESTIMATE-36' DESIGN ALTERNATIVE

Project: 05-002
 Title: 6th Avenue Reconstruction
 Location: Anchorage, AK
 Client: Municipality of Anchorage
 Estimated by: SP

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ITEM NO.	WORK DESCRIPTION	M.A.S.S. SECTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
STREET IMPROVEMENTS						
A-1	Clearing and Grubbing	20.02	1	L.S.	\$15,000.00	\$15,000.00
A-2	Unusable Excavation	20.04	13,400	C.Y.	\$10.00	\$134,000.00
A-3	Type II Classified Fill and Backfill	20.05	30,300	Ton	\$16.00	\$484,800.00
A-4	Leveling Course	20.06	1,800	Ton	\$27.00	\$48,600.00
A-5	Remove Existing Sidewalk	20.17	445	S.Y.	\$38.00	\$16,910.00
A-6	Remove Existing Curb and Gutter	20.18	4,300	L.F.	\$7.00	\$30,100.00
A-7	Remove Existing Pavement	20.19	14,600	S.Y.	\$4.00	\$58,400.00
A-8	Stormwater Pollution Prevention Plan	20.26	1	L.S.	\$40,000.00	\$40,000.00
A-9	P.C.C. Curb and Gutter (All Types)	30.02	6,740	L.F.	\$25.00	\$168,500.00
A-10	P.C.C. Valley Gutter	30.02	138	L.F.	\$25.00	\$3,450.00
A-11	P.C.C. Sidewalk 4" Thick (Broom Finish)	30.03	2,330	S.Y.	\$52.00	\$121,160.00
A-12	P.C.C. Sidewalk 6" Thick (Broom Finish)	30.03	400	S.Y.	\$63.00	\$25,200.00
A-13	P.C.C. Curb Ramp	30.07	35	Each	\$3,200.00	\$112,000.00
A-14	A.C. Pavement (Class E)	40.02	2,300	Ton	\$70.00	\$161,000.00
A-15	Oil & Grit Separator Vortech 4000	55.15	1	Each	\$100,000.00	\$100,000.00
A-16	Relocate Fire Hydrant	60.14	3	Each	\$3,750.00	\$11,250.00
A-17	4" Topsoil	70.04	63	M.S.F.	\$690.00	\$43,470.00
A-18	Seeding (Schedule A)	70.05	63	M.S.F.	\$575.00	\$36,225.00
A-19	Adjust Mainline Valve Box to Finish Grade	70.08	17	Each	\$450.00	\$7,650.00
A-20	Striping	70.19	1	L.S.	\$10,000.00	\$10,000.00
A-21	Remove Signs	70.20	34	Each	\$140.00	\$4,760.00
A-22	Standard Sign	70.20	280	S.F.	\$70.00	\$19,600.00
A-23	(3) Flashers	70.20	1	L.S.	\$25,000.00	\$25,000.00
A-24	Relocate Mailbox	70.23	24	Each	\$400.00	\$9,600.00
					SUBTOTAL:	\$1,686,675.00