

Appendix F



**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

OPTION A						
Extension to Chicago						
Single Span Bridge						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 360,000.00	\$ 360,000.00
2	K00174	Staking	1	LS	\$ 32,000.00	\$ 32,000.00
3	K000174	Structure Staking	1	EACH	\$ 5,000.00	\$ 5,000.00
4	B0012	Clear & Grub	1	LS	\$ 12,000.00	\$ 12,000.00
5	H000XX	Misc. Removals	1	LS	\$ 12,000.00	\$ 12,000.00
6	H00055	Remove Pavement	4,200	SQYD	\$ 4.00	\$ 16,800.00
7	G00010	Unclassified Excavation	7,200	CUYD	\$ 3.00	\$ 21,600.00
8	G00021	Borrow Unclassified Excavation	34,200	CUYD	\$ 3.50	\$ 119,700.00
9	G00028	Undercut	600	CUYD	\$ 3.00	\$ 1,800.00
10	G00025	Water for Embankment	40	MGAL	\$ 14.00	\$ 600.00
11	G00026	Water for Granular Material	34	MGAL	\$ 14.00	\$ 500.00
12	G00032	Contractor Furnished Topsoil	320	CUYD	\$ 8.00	\$ 2,600.00
13	G00001	Incidental Work, Grading	1	LS	\$ 15,000.00	\$ 15,000.00
14	K00001	Incidental Work, Structure	1	LS	\$ 100,000.00	\$ 100,000.00
15	I00012	Base Course	180	TON	\$ 16.00	\$ 2,900.00
16	I00018	Gravel Cushion	3,883	TON	\$ 15.00	\$ 58,200.00
17	I00027	Asphalt Concrete Composite	200	TON	\$ 75.00	\$ 15,000.00
18	I00080	9" Nonreinforced PCC	8,060	SQYD	\$ 50.00	\$ 403,000.00
19	I00067	Dowel Bar	2,015	EACH	\$ 8.00	\$ 16,100.00
20	J000XX	XX" RCP (Furn)	200	FT	\$ 40.00	\$ 8,000.00
21	J000XX	XX" RCP (Inst)	200	FT	\$ 24.00	\$ 4,800.00
22	J000XX	XX" End (Furn)	2	EACH	\$ 575.00	\$ 1,200.00
23	J000XX	XX" End (Inst)	2	EACH	\$ 250.00	\$ 500.00
24	C00XX	Sanitary Sewer Modifications	1	LS	\$ 6,000.00	\$ 6,000.00
25	D000XX	Watermain Modifications	1	LS	\$ 6,000.00	\$ 6,000.00
26	M000XX	Misc. Permanent Signing	1	LS	\$ 4,000.00	\$ 4,000.00
27	M000XX	Pavement Marking	1	LS	\$ 4,000.00	\$ 4,000.00
28	M000XX	Traffic Control	1	LS	\$ 12,000.00	\$ 12,000.00
29	L000XX	Roadway Lighting	1	LS	\$ 12,000.00	\$ 12,000.00
30	L000XX	Signal System	1	EACH	\$ 175,000.00	\$ 175,000.00
31	I00096	Type B69 Concrete Curb and Gutter	2,716	FT	\$ 18.00	\$ 48,900.00
32	I00119	6" Concrete Sidewalk	11,032	SQFT	\$ 6.00	\$ 66,200.00
33	J00156	Frame and Grate	4	EACH	\$ 500.00	\$ 2,000.00
34	J00150	Drop Inlet	4	EACH	\$ 2,500.00	\$ 10,000.00
35	K000XX	Erosion Control & Restoration	1	LS	\$ 16,000.00	\$ 16,000.00
Subtotal:						\$ 1,571,400.00
Contingency (20%)						\$ 314,280.00
Roadway Subtotal:						\$ 1,886,000.00

NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Bridge Structure and Walls						
36	K00001	Steel Beam Bridge Structure - Single Span	9,201	SQFT	\$ 110.00	\$ 1,012,110.00
37	K00164	Railroad Insurance	1	LS	\$ 15,000.00	\$ 15,000.00
38	K00158	MSE Large Panel Wall	9,200	SQFT	\$ 52.00	\$ 478,400.00
Subtotal:						\$ 1,505,510.00
Contingency (20%)						\$ 301,102.00
Structure & Wall Subtotal:						\$ 1,807,000.00

Construction Total: \$ 3,693,000.00

NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Right-of-Way And Utilities					
39	Right-of-Way Impacts (Chicago to Railroad)	72,000	SQFT	\$ 1.50	\$ 108,000.00
40	Right-of-Way Impacts (Railroad to Main)	66,720	SQFT	\$ 2.50	\$ 166,800.00
41	Impacts to Buildings	3	EACH	\$ 250,000.00	\$ 750,000.00
42	Private Utility Relocations	1	LS	\$ 15,000.00	\$ 15,000.00
ROW Subtotal:					\$ 1,039,800.00

Grand Total: \$ 4,732,800.00

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

OPTION B						
Extension to Deadwood						
Single Span Bridge						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 400,000.00	\$ 400,000.00
2	K00174	Staking	1	LS	\$ 36,000.00	\$ 36,000.00
3	K000174	Structure Staking	1	EACH	\$ 5,000.00	\$ 5,000.00
4	B0012	Clear & Grub	1	LS	\$ 14,000.00	\$ 14,000.00
5	H000XX	Misc. Removals	1	LS	\$ 16,000.00	\$ 16,000.00
6	H00055	Remove Pavement	4,200	SQYD	\$ 4.00	\$ 16,800.00
7	G00010	Unclassified Excavation	28,200	CUYD	\$ 3.00	\$ 84,600.00
8	G00021	Borrow Unclassified Excavation	2,600	CUYD	\$ 3.50	\$ 9,100.00
9	G00028	Undercut	2,800	CUYD	\$ 3.00	\$ 8,400.00
10	G00025	Water for Embankment	38	MGAL	\$ 14.00	\$ 500.00
11	G00026	Water for Granular Material	52	MGAL	\$ 14.00	\$ 700.00
12	G00032	Contractor Furnished Topsoil	320	CUYD	\$ 8.00	\$ 2,600.00
13	G00001	Incidental Work, Grading	1	LS	\$ 20,000.00	\$ 20,000.00
14	K00001	Incidental Work, Structure	1	LS	\$ 100,000.00	\$ 100,000.00
15	I00012	Base Course	580	TON	\$ 16.00	\$ 9,300.00
16	I00018	Gravel Cushion	6,654	TON	\$ 15.00	\$ 99,800.00
17	I00027	Asphalt Concrete Composite	640	TON	\$ 75.00	\$ 48,000.00
18	I00080	9" Nonreinforced PCC	13,735	SQYD	\$ 50.00	\$ 686,800.00
19	I00067	Dowel Bar	3,158	EACH	\$ 8.00	\$ 25,300.00
20	J000XX	XX" RCP (Furn)	1,200	FT	\$ 40.00	\$ 48,000.00
21	J000XX	XX" RCP (Inst)	1,200	FT	\$ 24.00	\$ 28,800.00
22	J000XX	XX" End (Furn)	2	EACH	\$ 575.00	\$ 1,200.00
23	J000XX	XX" End (Inst)	2	EACH	\$ 250.00	\$ 500.00
24	C00XX	Sanitary Sewer Modifications	1	LS	\$ 12,000.00	\$ 12,000.00
25	D000XX	Watermain Modifications	1	LS	\$ 12,000.00	\$ 12,000.00
26	M000XX	Misc. Permanent Signing	1	LS	\$ 6,000.00	\$ 6,000.00
27	M000XX	Pavement Marking	1	LS	\$ 10,000.00	\$ 10,000.00
28	M000XX	Traffic Control	1	LS	\$ 16,000.00	\$ 16,000.00
29	L000XX	Roadway Lighting	1	LS	\$ 20,000.00	\$ 20,000.00
30	L000XX	Signal System	2	EACH	\$ 175,000.00	\$ 350,000.00
31	I00096	Type B69 Concrete Curb and Gutter	6,343	FT	\$ 18.00	\$ 114,200.00
32	I00119	6" Concrete Sidewalk	18,378	SQFT	\$ 6.00	\$ 110,300.00
33	J00156	Frame and Grate	12	EACH	\$ 500.00	\$ 6,000.00
34	J00150	Drop Inlet	12	EACH	\$ 2,500.00	\$ 30,000.00
35	K000XX	Erosion Control & Restoration	1	LS	\$ 22,000.00	\$ 22,000.00
Subtotal:						\$ 2,369,900.00
Contingency (20%):						\$ 473,980.00
Roadway Subtotal:						\$ 2,844,000.00

NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Bridge Structure and Walls						
36	K00001	Steel Beam Bridge Structure - Single Span	9,201	SQFT	\$ 110.00	\$ 1,012,110.00
37	K00164	Railroad Insurance	1	LS	\$ 15,000.00	\$ 15,000.00
38	K00158	MSE Large Panel Wall	9,200	SQFT	\$ 52.00	\$ 478,400.00
Subtotal:						\$ 1,505,510.00
Contingency (20%):						\$ 301,102.00
Structure & Wall Subtotal:						\$ 1,807,000.00

Construction Total: \$ 4,651,000.00

NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Right-of-Way And Utilities					
39	Right-of-Way Impacts (Deadwood to Chicago)	136,000	SQFT	\$ 2.00	\$ 272,000.00
40	Right-of-Way Impacts (Chicago to Railroad)	72,000	SQFT	\$ 1.50	\$ 108,000.00
41	Right-of-Way Impacts (Railroad to Main)	66,720	SQFT	\$ 2.50	\$ 166,800.00
42	Impacts to Buildings	3	EACH	\$ 250,000.00	\$ 750,000.00
43	Private Utility Relocations	1	LS	\$ 15,000.00	\$ 15,000.00
ROW Subtotal:					\$ 1,311,800.00

Grand Total: \$ 5,962,800.00

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

OPTION C						
Extension to Deadwood						
2 Span Bridge						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 420,000.00	\$ 420,000.00
2	K00174	Staking	1	LS	\$ 36,000.00	\$ 36,000.00
3	K000174	Structure Staking	1	EACH	\$ 5,000.00	\$ 5,000.00
4	B0012	Clear & Grub	1	LS	\$ 14,000.00	\$ 14,000.00
5	H000XX	Misc. Removals	1	LS	\$ 16,000.00	\$ 16,000.00
6	H00055	Remove Pavement	9,570	SQYD	\$ 4.00	\$ 38,300.00
7	G00010	Unclassified Excavation	31,200	CUYD	\$ 3.00	\$ 93,600.00
8	G00021	Borrow Unclassified Excavation	2,800	CUYD	\$ 3.50	\$ 9,800.00
9	G00028	Undercut	2,500	CUYD	\$ 3.00	\$ 7,500.00
10	G00025	Water for Embankment	42	MGAL	\$ 14.00	\$ 600.00
11	G00026	Water for Granular Material	62	MGAL	\$ 14.00	\$ 900.00
12	G00032	Contractor Furnished Topsoil	320	CUYD	\$ 8.00	\$ 2,600.00
13	G00001	Incidental Work, Grading	1	LS	\$ 20,000.00	\$ 20,000.00
14	K00001	Incidental Work, Structure	1	LS	\$ 100,000.00	\$ 100,000.00
15	I00012	Base Course	1,420	TON	\$ 16.00	\$ 22,700.00
16	I00018	Gravel Cushion	9,810	TON	\$ 15.00	\$ 147,200.00
17	I00027	Asphalt Concrete Composite	1,420	TON	\$ 75.00	\$ 106,500.00
18	I00080	9" Nonreinforced PCC	19,960	SQYD	\$ 50.00	\$ 998,000.00
19	I00067	Dowel Bar	4,411	EACH	\$ 8.00	\$ 35,300.00
20	J000XX	XX" RCP (Furn)	1,400	FT	\$ 40.00	\$ 56,000.00
21	J000XX	XX" RCP (Inst)	1,400	FT	\$ 24.00	\$ 33,600.00
22	J000XX	XX" End (Furn)	2	EACH	\$ 575.00	\$ 1,200.00
23	J000XX	XX" End (Inst)	2	EACH	\$ 250.00	\$ 500.00
24	C00XX	Sanitary Sewer Modifications	1	LS	\$ 12,000.00	\$ 12,000.00
25	D000XX	Watermain Modifications	1	LS	\$ 12,000.00	\$ 12,000.00
26	M000XX	Misc. Permanent Signing	1	LS	\$ 6,000.00	\$ 6,000.00
27	M000XX	Pavement Marking	1	LS	\$ 10,000.00	\$ 10,000.00
28	M000XX	Traffic Control	1	LS	\$ 16,000.00	\$ 16,000.00
29	L000XX	Roadway Lighting	1	LS	\$ 20,000.00	\$ 20,000.00
30	L000XX	Signal System	1	EACH	\$ 225,000.00	\$ 225,000.00
31	I00096	Type B69 Concrete Curb and Gutter	9,337	FT	\$ 18.00	\$ 168,100.00
32	I00119	6" Concrete Sidewalk	29,887	SQFT	\$ 6.00	\$ 179,300.00
33	J00156	Frame and Grate	8	EACH	\$ 500.00	\$ 4,000.00
34	J00150	Drop Inlet	8	EACH	\$ 2,500.00	\$ 20,000.00
35	K000XX	Erosion Control & Restoration	1	LS	\$ 22,000.00	\$ 22,000.00
Subtotal:						\$ 2,859,700.00
Contingency (20%):						\$ 571,940.00
Roadway Subtotal:						\$ 3,432,000.00

NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Bridge Structure and Walls						
36	K00001	Steel Beam Bridge Structure - Two Span	9,201	SQFT	\$ 110.00	\$ 1,012,110.00
37	K00164	Railroad Insurance	1	LS	\$ 15,000.00	\$ 15,000.00
38	K00158	MSE Large Panel Wall	9,200	SQFT	\$ 52.00	\$ 478,400.00
Subtotal:						\$ 1,505,510.00
Contingency (20%):						\$ 301,102.00
Structure & Wall Subtotal:						\$ 1,807,000.00

Construction Total: \$ 5,239,000.00

NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Right-of-Way And Utilities					
39	Right-of-Way Impacts	145,000	SQFT	\$ 2.00	\$ 290,000.00
40	Right-of-Way Impacts	72,000	SQFT	\$ 1.50	\$ 108,000.00
41	Right-of-Way Impacts	66,720	SQFT	\$ 2.50	\$ 166,800.00
42	Impacts to Buildings	3	EACH	\$ 250,000.00	\$ 750,000.00
43	Private Utility Relocations	1	LS	\$ 6,000.00	\$ 6,000.00
ROW Subtotal:					\$ 1,320,800.00

Grand Total: \$ 6,559,800.00

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

WIDENING OPTION 1						
Widening of Sheridan Lake Road to 5 Lanes						
Main St. to Canyon Lake Drive						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 80,000.00	\$ 80,000.00
2	K000174	Staking	1	LS	\$ 10,000.00	\$ 10,000.00
3	B0012	Clear & Grub	1	LS	\$ 4,000.00	\$ 4,000.00
4	H000XX	Misc. Removals	1	LS	\$ 4,000.00	\$ 4,000.00
5	H00055	Remove Pavement	3,000	SQYD	\$ 4.00	\$ 12,000.00
6	G00010	Unclassified Excavation	1,200	CUYD	\$ 4.00	\$ 4,800.00
7	H00013	Mill & Remove Asphalt Concrete Pavement, 2"	3,727	SQYD	\$ 1.75	\$ 6,500.00
8	I00029	Asphalt Concrete Overlay	410	TON	\$ 75.00	\$ 30,800.00
9	I00051	Bituminous Tack Coat	5	TON	\$ 850.00	\$ 4,300.00
8	G00028	Undercut	440	CUYD	\$ 3.00	\$ 1,300.00
9	G00025	Water for Embankment	10	MGAL	\$ 14.00	\$ 100.00
10	G00026	Water for Granular Material	17	MGAL	\$ 14.00	\$ 200.00
11	G00032	Contractor Furnished Topsoil	400	CUYD	\$ 8.00	\$ 3,200.00
12	G00001	Incidental Work, Grading	1	LS	\$ 11,000.00	\$ 11,000.00
13	I00012	Base Course	1,850	TON	\$ 16.00	\$ 29,600.00
14	I00018	Gravel Cushion	190	TON	\$ 15.00	\$ 2,900.00
15	I00027	Asphalt Concrete Composite	1,850	TON	\$ 75.00	\$ 138,800.00
16	I00080	9" Nonreinforced PCC	190	SQYD	\$ 50.00	\$ 9,500.00
17	I00067	Dowel Bar	24	EACH	\$ 8.00	\$ 200.00
18	J000XX	XX" RCP (Furn)	160	FT	\$ 40.00	\$ 6,400.00
19	J000XX	XX" RCP (Inst)	160	FT	\$ 24.00	\$ 3,800.00
20	J000XX	XX" End (Furn)	1	EACH	\$ 575.00	\$ 600.00
21	J000XX	XX" End (Inst)	1	EACH	\$ 250.00	\$ 300.00
22	C00XX	Sanitary Sewer Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
23	D000XX	Watermain Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
24	M000XX	Misc. Permanent Signing	1	LS	\$ 2,000.00	\$ 2,000.00
25	M000XX	Pavement Marking	1	LS	\$ 10,000.00	\$ 10,000.00
26	M000XX	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
27	L000XX	Roadway Lighting	1	LS	\$ 10,000.00	\$ 10,000.00
28	L000XX	Signal System Modifications	1	LS	\$ 40,000.00	\$ 40,000.00
29	I00096	Type B69 Concrete Curb and Gutter	1,808	FT	\$ 18.00	\$ 32,500.00
30	I00119	6" Concrete Sidewalk	8,308	SQFT	\$ 6.00	\$ 49,800.00
31	J00156	Frame and Grate	4	EACH	\$ 500.00	\$ 2,000.00
32	J00150	Drop Inlet	4	EACH	\$ 2,500.00	\$ 10,000.00
33	K000XX	Erosion Control & Restoration	1	LS	\$ 7,000.00	\$ 7,000.00
Subtotal:						\$ 545,600.00
Contingency (20%)						\$ 109,120.00
Roadway Subtotal:						\$ 655,000.00

Construction Total: \$ 655,000.00

NO.	ITEM DESCRIPTION	APPROX	UNIT	UNIT BID	EXTENDED
Right-of-Way And Utilities					
34	Right-of-Way Impacts	17,776	SQFT	\$ 2.50	\$ 44,440.00
35	Impacts to Buildings	0	EACH	\$ 150,000.00	\$ -
36	Private Utility Relocations	1	LS	\$ 12,500.00	\$ 12,500.00
ROW Subtotal:					\$ 56,940.00

Grand Total: \$ 712,000

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

WIDENING OPTION 2						
Widening of Sheridan Lake Road to 5 Lanes						
Main St. to Canyon Lake Drive						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 80,000.00	\$ 80,000.00
2	K000174	Staking	1	LS	\$ 10,000.00	\$ 10,000.00
3	B0012	Clear & Grub	1	LS	\$ 4,000.00	\$ 4,000.00
4	H000XX	Misc. Removals	1	LS	\$ 4,000.00	\$ 4,000.00
5	H00055	Remove Pavement	3000	SQYD	\$ 4.00	\$ 12,000.00
6	G00010	Unclassified Excavation	1200	CUYD	\$ 4.00	\$ 4,800.00
7	H00013	Mill & Remove Asphalt Concrete Pavement, 2"	2811	SQYD	\$ 1.75	\$ 4,900.00
8	I00029	Asphalt Concrete Overlay	309	TON	\$ 75.00	\$ 23,200.00
9	I00051	Bituminous Tack Coat	2	TON	\$ 850.00	\$ 1,700.00
10	G00028	Undercut	440	CUYD	\$ 3.00	\$ 1,300.00
11	G00025	Water for Embankment	10	MGAL	\$ 14.00	\$ 100.00
12	G00026	Water for Granular Material		MGAL	\$ 14.00	\$ -
13	G00032	Contractor Furnished Topsoil	400	CUYD	\$ 8.00	\$ 3,200.00
14	G00001	Incidental Work, Grading	1	LS	\$ 11,000.00	\$ 11,000.00
15	I00012	Base Course	2270	TON	\$ 16.00	\$ 36,300.00
16	I00018	Gravel Cushion	190	TON	\$ 15.00	\$ 2,900.00
17	I00027	Asphalt Concrete Composite	2270	TON	\$ 75.00	\$ 170,300.00
18	I00080	9" Nonreinforced PCC	190	SQYD	\$ 50.00	\$ 9,500.00
19	I00067	Dowel Bar	26	EACH	\$ 8.00	\$ 200.00
20	J000XX	XX" RCP (Furn)	160	FT	\$ 40.00	\$ 6,400.00
21	J000XX	XX" RCP (Inst)	160	FT	\$ 24.00	\$ 3,800.00
22	J000XX	XX" End (Furn)	1	EACH	\$ 600.00	\$ 600.00
23	J000XX	XX" End (Inst)	1	EACH	\$ 300.00	\$ 300.00
24	C00XX	Sanitary Sewer Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
25	D000XX	Watermain Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
26	M000XX	Misc. Permanent Signing	1	LS	\$ 2,000.00	\$ 2,000.00
27	M000XX	Pavement Marking	1	LS	\$ 10,000.00	\$ 10,000.00
28	M000XX	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
29	L000XX	Roadway Lighting	1	LS	\$ 10,000.00	\$ 10,000.00
30	L000XX	Signal System Modifications	1	LS	\$ 40,000.00	\$ 40,000.00
31	I00096	Type B69 Concrete Curb and Gutter	2622	FT	\$ 18.00	\$ 47,200.00
32	I00119	6" Concrete Sidewalk	15382	SQFT	\$ 6.00	\$ 92,300.00
33	J00156	Frame and Grate	4	EACH	\$ 500.00	\$ 2,000.00
34	J00150	Drop Inlet	4	EACH	\$ 2,500.00	\$ 10,000.00
35	K000XX	Erosion Control & Restoration	1	LS	\$ 7,000.00	\$ 7,000.00
Subtotal:						\$ 629,000.00
Contingency (20%)						\$ 125,800.00
Roadway Subtotal:						\$ 755,000.00

Construction Total: \$ 755,000.00

NO.	ITEM DESCRIPTION	APPROX	UNIT	UNIT BID	EXTENDED
Right-of-Way And Utilities					
36	Right-of-Way Impacts	25,146	SQFT	\$ 2.50	\$ 62,865.00
37	Impacts to Buildings (Camp Rapid Wall)	1,216	FT	\$ 200.00	\$ 243,200.00
38	Private Utility Relocations	1	LS	\$ 12,500.00	\$ 12,500.00
ROW Subtotal:					\$ 318,565.00

Grand Total: \$ 1,074,000

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

WIDENING OPTION 3						
Widening of Sheridan Lake Road to 5 Lanes						
From Main St. to Canyon Lake Drive						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 80,000.00	\$ 80,000.00
2	K000174	Staking	1	LS	\$ 10,000.00	\$ 10,000.00
3	B0012	Clear & Grub	1	LS	\$ 4,000.00	\$ 4,000.00
4	H000XX	Misc. Removals	1	LS	\$ 4,000.00	\$ 4,000.00
5	H00055	Remove Pavement	3,000	SQYD	\$ 4.00	\$ 12,000.00
6	G00010	Unclassified Excavation	1,200	CUYD	\$ 4.00	\$ 4,800.00
7	H00013	Mill & Remove Asphalt Concrete Pavement, 2"	2,811	SQYD	\$ 1.75	\$ 4,900.00
8	I00029	Asphalt Concrete Overlay	309	TON	\$ 75.00	\$ 23,200.00
9	I00051	Bituminous Tack Coat	3	TON	\$ 850.00	\$ 2,600.00
8	G00028	Undercut	440	CUYD	\$ 3.00	\$ 1,300.00
9	G00025	Water for Embankment	10	MGAL	\$ 14.00	\$ 100.00
10	G00026	Water for Granular Material	24	MGAL	\$ 14.00	\$ 300.00
11	G00032	Contractor Furnished Topsoil	400	CUYD	\$ 8.00	\$ 3,200.00
12	G00001	Incidental Work, Grading	1	LS	\$ 11,000.00	\$ 11,000.00
13	I00012	Base Course	1,951	TON	\$ 16.00	\$ 31,200.00
14	I00018	Gravel Cushion	190	TON	\$ 15.00	\$ 2,900.00
15	I00027	Asphalt Concrete Composite	1,951	TON	\$ 75.00	\$ 146,300.00
16	I00080	9" Nonreinforced PCC	190	SQYD	\$ 50.00	\$ 9,500.00
17	I00067	Dowel Bar	24	EACH	\$ 8.00	\$ 200.00
18	J000XX	XX" RCP (Furn)	160	FT	\$ 40.00	\$ 6,400.00
19	J000XX	XX" RCP (Inst)	160	FT	\$ 24.00	\$ 3,800.00
20	J000XX	XX" End (Furn)	1	EACH	\$ 600.00	\$ 600.00
21	J000XX	XX" End (Inst)	1	EACH	\$ 300.00	\$ 300.00
22	C00XX	Sanitary Sewer Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
23	D000XX	Watermain Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
24	M000XX	Misc. Permanent Signing	1	LS	\$ 2,000.00	\$ 2,000.00
25	M000XX	Pavement Marking	1	LS	\$ 10,000.00	\$ 10,000.00
26	M000XX	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
27	L000XX	Roadway Lighting	1	LS	\$ 10,000.00	\$ 10,000.00
28	L000XX	Signal System Modifications	1	LS	\$ 40,000.00	\$ 40,000.00
29	I00096	Type B69 Concrete Curb and Gutter	2,444	FT	\$ 18.00	\$ 44,000.00
30	I00119	6" Concrete Sidewalk	9,861	SQFT	\$ 6.00	\$ 59,200.00
31	J00156	Frame and Grate	4	EACH	\$ 500.00	\$ 2,000.00
32	J00150	Drop Inlet	4	EACH	\$ 2,500.00	\$ 10,000.00
33	K000XX	Erosion Control & Restoration	1	LS	\$ 7,000.00	\$ 7,000.00
Subtotal:						\$ 564,800.00
Contingency (20%)						\$ 112,960.00
Roadway Subtotal:						\$ 678,000.00

Construction Total: \$ 678,000.00

NO.	ITEM DESCRIPTION	APPROX	UNIT	UNIT BID	EXTENDED
Right-of-Way And Utilities					
34	Right-of-Way Impacts	18,183	SQFT	\$ 2.50	\$ 45,457.50
35	Impacts to Buildings (Camp Rapid Wall)	335	FT	\$ 200.00	\$ 67,000.00
36	Private Utility Relocations	1	LS	\$ 12,500.00	\$ 12,500.00
ROW Subtotal:					\$ 124,957.50

Grand Total: \$ 803,000

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

5 LANE CORRIDOR						
Widening of Sheridan Lake Road to 5 Lanes						
Canyon Lake Drive to Jackson Blvd.						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 80,000.00	\$ 80,000.00
2	K000174	Staking	1	LS	\$ 10,000.00	\$ 10,000.00
3	B0012	Clear & Grub	1	LS	\$ 4,000.00	\$ 4,000.00
4	H000XX	Misc. Removals	1	LS	\$ 4,000.00	\$ 4,000.00
5	H00055	Remove Pavement	600	SQYD	\$ 4.00	\$ 2,400.00
6	G00010	Unclassified Excavation	5000	CUYD	\$ 4.00	\$ 20,000.00
7	H00013	Mill & Remove Asphalt Concrete Pavement, 2"	4654	SQYD	\$ 1.75	\$ 8,100.00
8	H00046	Remove Concrete Bridge	1	LS	\$ 24,000.00	\$ 24,000.00
9	I00029	Asphalt Concrete Overlay	512	TON	\$ 75.00	\$ 38,400.00
10	I00051	Bituminous Tack Coat	4	TON	\$ 850.00	\$ 3,400.00
11	G00028	Undercut	440	CUYD	\$ 3.00	\$ 1,300.00
12	G00025	Water for Embankment	10	MGAL	\$ 14.00	\$ 100.00
13	G00026	Water for Granular Material		MGAL	\$ 14.00	\$ -
14	G00032	Contractor Furnished Topsoil	400	CUYD	\$ 8.00	\$ 3,200.00
15	G00001	Incidental Work, Grading	1	LS	\$ 11,000.00	\$ 11,000.00
16	I00012	Base Course	3681	TON	\$ 16.00	\$ 58,900.00
17	I00018	Gravel Cushion	686	TON	\$ 15.00	\$ 10,300.00
18	I00027	Asphalt Concrete Composite	3681	TON	\$ 75.00	\$ 276,100.00
19	I00080	9" Nonreinforced PCC	686	SQYD	\$ 50.00	\$ 34,300.00
20	I00067	Dowel Bar	94	EACH	\$ 8.00	\$ 800.00
21	J000XX	XX" RCP (Furn)	160	FT	\$ 40.00	\$ 6,400.00
22	J000XX	XX" RCP (Inst)	160	FT	\$ 24.00	\$ 3,800.00
23	J000XX	XX" End (Furn)	1	EACH	\$ 575.00	\$ 600.00
24	J000XX	XX" End (Inst)	1	EACH	\$ 250.00	\$ 300.00
25	C00XX	Sanitary Sewer Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
26	D000XX	Watermain Modifications	1	LS	\$ 4,000.00	\$ 4,000.00
27	M000XX	Misc. Permanent Signing	1	LS	\$ 2,000.00	\$ 2,000.00
28	M000XX	Pavement Marking	1	LS	\$ 10,000.00	\$ 10,000.00
29	M000XX	Traffic Control	1	LS	\$ 10,000.00	\$ 10,000.00
30	L000XX	Roadway Lighting	1	LS	\$ 10,000.00	\$ 10,000.00
31	L000XX	Signal System Modifications	1	LS	\$ 40,000.00	\$ 40,000.00
32	I00096	Type B69 Concrete Curb and Gutter	8833	FT	\$ 18.00	\$ 159,000.00
33	I00119	6" Concrete Sidewalk	9878	SQFT	\$ 6.00	\$ 59,300.00
34	J00156	Frame and Grate	4	EACH	\$ 500.00	\$ 2,000.00
35	J00150	Drop Inlet	4	EACH	\$ 2,500.00	\$ 10,000.00
36	K000XX	Erosion Control & Restoration	1	LS	\$ 7,000.00	\$ 7,000.00
37	K00001	Steel Beam Bridge Structure - Two Span	10020	SQFT	\$ 110.00	\$ 1,102,200.00
Subtotal:						\$ 2,020,900.00
Contingency (20%):						\$ 404,180.00
Roadway Subtotal:						\$ 2,425,000.00

Construction Total: \$ 2,425,000.00

NO.	ITEM DESCRIPTION	APPROX	UNIT	UNIT BID	EXTENDED
Right-of-Way And Utilities					
38	Right-of-Way Impacts	5,230	SQFT	\$ 2.50	\$ 13,075.00
39	Private Utility Relocations	1	LS	\$ 12,500.00	\$ 12,500.00
ROW Subtotal:					\$ 25,575.00

Grand Total: \$ 2,451,000

**CITY OF RAPID CITY
SHERIDAN LAKE ROAD EXTENSION**

Preliminary Alignment Cost Estimate

3 LANE CORRIDOR						
Improvements to Sheridan Lake Road						
Canyon Lake Drive to Jackson Blvd.						
NO.	ITEM NO.	ITEM DESCRIPTION	APPROX QUANTITY	UNIT	UNIT BID PRICE	EXTENDED PRICE
Roadway						
1	A00XX	Mobilization	1	LS	\$ 40,000.00	\$ 40,000.00
2	K000174	Staking	1	LS	\$ 5,000.00	\$ 5,000.00
3	B0012	Clear & Grub	1	LS	\$ 2,000.00	\$ 2,000.00
4	H000XX	Misc. Removals	1	LS	\$ 2,000.00	\$ 2,000.00
5	H00055	Remove Pavement	400	SQYD	\$ 4.00	\$ 1,600.00
6	G00010	Unclassified Excavation	500	CUYD	\$ 4.00	\$ 2,000.00
7	I00051	Bituminous Tack Coat	2	TON	\$ 850.00	\$ 1,700.00
8	G00028	Undercut	110	CUYD	\$ 3.00	\$ 300.00
9	G00025	Water for Embankment	5	MGAL	\$ 14.00	\$ 100.00
10	G00026	Water for Granular Material	12	MGAL	\$ 14.00	\$ 200.00
11	G00032	Contractor Furnished Topsoil	200	CUYD	\$ 8.00	\$ 1,600.00
12	G00001	Incidental Work, Grading	1	LS	\$ 5,500.00	\$ 5,500.00
13	I00012	Base Course	360	TON	\$ 16.00	\$ 5,800.00
14	I00018	Gravel Cushion	658	TON	\$ 15.00	\$ 9,900.00
15	I00027	Asphalt Concrete Composite	360	TON	\$ 75.00	\$ 27,000.00
16	I00080	9" Nonreinforced PCC	658	SQYD	\$ 50.00	\$ 32,900.00
17	I00067	Dowel Bar	92	EACH	\$ 8.00	\$ 700.00
18	C00XX	Sanitary Sewer Modifications	1	LS	\$ 2,000.00	\$ 2,000.00
19	D000XX	Watermain Modifications	1	LS	\$ 2,000.00	\$ 2,000.00
20	M000XX	Misc. Permanent Signing	1	LS	\$ 1,000.00	\$ 1,000.00
21	M000XX	Pavement Marking	1	LS	\$ 5,000.00	\$ 5,000.00
22	M000XX	Traffic Control	1	LS	\$ 5,000.00	\$ 5,000.00
23	L000XX	Roadway Lighting	1	LS	\$ 5,000.00	\$ 5,000.00
24	L000XX	Signal System Modifications	1	LS	\$ 20,000.00	\$ 20,000.00
25	I00096	Type B69 Concrete Curb and Gutter	3,575	FT	\$ 18.00	\$ 64,400.00
26	K000XX	Erosion Control & Restoration	1	LS	\$ 14,000.00	\$ 14,000.00
Subtotal:						\$ 256,700.00
Contingency (20%)						\$ 51,340.00
Roadway Subtotal:						\$ 308,000.00

Construction Total: \$ 308,000.00

NO.	ITEM DESCRIPTION	APPROX	UNIT	UNIT BID	EXTENDED
Right-of-Way And Utilities					
27	Private Utility Relocations	1	LS	\$ 6,250.00	\$ 6,250.00
ROW Subtotal:					\$ 6,250.00

Grand Total: \$ 314,000