

PROJECT NAME

Lower Coal Creek Improvements - Cascade Key

7/19/2016

JOB NO.: 100-SET-T34271.02

CONSTRUCTION COSTS - 30%

PROJ. ENG.: Gaasland

CHECKED BY:

ss-std spec
sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
1. PREPARATION							
0001	1	SEE BELOW	SEE BELOW	L.S.	MOBILIZATION (SEE BELOW)	ss 1-09.7	
0035	1	5,000.00	\$5,000	L.S.	CLEARING AND GRUBBING	ss 2-01.5	GSP, Trees, stumps, etc.
0050	1	12,000.00	\$12,000	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	ss 2-02.5	GSP item, Ex CB and minor misc.
4. DRAINAGE							
1040	10	\$55	\$550	CY	CHANNEL EXCAVATION INCL. HAUL	ss 2-03.5	NHC - Channel excavation for logs
1093	104	\$40	\$4,160	TN	STREAMBED SEDIMENT		GSP item
0901	346	\$52	\$17,992	TN	STREAMBED COBBLES 6 IN.		GSP item, 6 inch cobbles
0902	21	\$52	\$1,092	TN	STREAMBED COBBLES 8 IN.		NHC - GSP - coarse aggregate band
0908	7	\$350	\$2,450	EA	STREAMBED BOULDER THREE MAN		NHC - GSP item
8. STRUCTURE							
4006	608	\$60	\$36,480	CY	STRUCTURE EXCAVATION CLASS A INCL. HAUL		Excavation for precast structure
4013	1	\$5,000	\$5,000	LS	SHORING OR EXTRA EXCAVATION CL. A		1:1 side-slope assumed
4205	82	\$1,200	\$98,400	CY	CONC. CLASS 5000 FOR PILE CAP BEAM		2 Pile cap beams
4205	7	\$1,200	\$8,400	CY	CONC. CLASS 5000 FOR WINGWALLS		Wing walls (4) 5' long (beyond beam width) x 9' high (in
-	120	\$700	\$84,000	LF	PILE FOUNDATION SYSTEM		Drilled shaft unit cost from Amir
-	1,000	\$40	\$40,000	SF	FURNISHING AND DRIVING COMPOSITE SHEET PILING		Scour protection inside culvert
-	1,612	\$45	\$72,540	SF	PRECAST DECK PANEL, 12" THICK		52' wide, 31' span
-	48	\$150	\$7,200	FT	BRIDGE RAILING		24' at upstream and downstream side of bridge.
9. SURFACING							
5120	99	\$90	\$8,910	TON	CRUSHED SURFACING TOP COURSE		Used under HMA
14. HOT MIX ASPHALT							
5767	75	\$230	\$17,250	TON	HMA CL. 1/2 IN. PG 64-22		
17. EROSION CNTL AND ROADSIDE RESTORATION							
6490	1	\$10,000	\$10,000	EST.	EROSION/WATER POLLUTION CONTROL		
-	1	\$20,000	\$20,000	L.S.	LANDSCAPE RESTORATION	sp 8-02.5	
18. TRAFFIC							
6700	176	\$56	\$9,856	LF	CEMENT CONC. TRAFFIC CURB AND GUTTER		
6971	1	\$12,000	\$12,000	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	ss 1-10.5	50/50 construction, more traffic control effort/signage
6982	100	\$25	\$2,500	S.F.	CONSTRUCTION SIGNS CLASS A	ss 1-10.5	
19. OTHER ITEMS							
7017	237	\$50	\$11,850	CY	GRAVEL BACKFILL FOR PIPE ZONE BEDDING		Select backfill around structure

PROJECT NAME

Lower Coal Creek Improvements - Cascade Key

7/19/2016

JOB NO.: 100-SET-T34271.02

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ss-std spec
sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
7055	41	\$105	\$4,305	S.Y.	CEMENT CONC. SIDEWALK		
-	1	\$50,000	\$50,000	L.S.	UTILITY RELOCATIONS		
-	1	\$30,000	\$30,000	L.S.	TEMPORARY STREAM BYPASS SYSTEM	sp 8-27	Material and labor for 42" gravity bypass.
-	7	\$2,000	\$14,000	EA.	LOG WITH ROOTWAD	sp 8-34	NHC
-	1	\$10,000	\$10,000	L.S.	DEWATERING	sp 8-28	seepage and water handling in channel exc reach
7715	1	\$15,000	\$15,000	EST.	FORCE ACCOUNT	sp 1-09.6	
7736	1	\$1,000	\$1,000	L.S.	SPCC PLAN	ss 1-07.15	
-	1	\$8,000	\$8,000	L.S.	SURVEY	sp 8-37	Survey for staking of improvements

\$619,935	SUB TOTAL
\$62,000	MOBILIZATION (10%)
\$681,935	SUBTOTAL
\$64,800	STATE SALES TAX (9.50%)
\$204,600	CONTINGENCY (30%)
\$951,335	TOTAL OPINION OF PROBABLE CONSTRUCTION COST
\$951,000	Rounded to the nearest thousand dollars

COSTS ASSOCIATED WITH EASEMENTS, LAND ACQUISITIONS, PERMITS, ENGINEERING, CONSTRUCTION SERVICES, ETC. ARE NOT INCLUDED IN THIS ESTIMATE

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Upper Skagit Key

CONSTRUCTION COSTS - 30%

7/19/2016

ss-std spec
sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
1. PREPARATION							
0001	1	SEE BELOW	SEE BELOW	L.S.	MOBILIZATION (SEE BELOW)	ss 1-09.7	
0035	1	5,000.00	\$5,000	L.S.	CLEARING AND GRUBBING	ss 2-01.5	GSP, Trees, stumps, etc.
0050	1	12,000.00	\$12,000	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	ss 2-02.5	GSP item, Ex CB and minor misc.
4. DRAINAGE							
1040	41	\$55	\$2,255	CY	CHANNEL EXCAVATION INCL. HAUL	ss 2-03.5	NHC - Channel excavation for logs
1093	256	\$40	\$10,240	TN	STREAMBED SEDIMENT		Tt and NHC GSP item
0901	335	\$52	\$17,420	TN	STREAMBED COBBLES 6 IN.		GSP item, 6 inch cobbles
0902	21	\$52	\$1,092	TN	STREAMBED COBBLES 8 IN.		NHC - GSP - coarse aggregate band
0908	3	\$350	\$1,050	EA	STREAMBED BOULDER THREE MAN		NHC - GSP item
5. STORM SEWER							
3105	2	\$3,000	\$6,000	EA	CATCH BASIN TYPE 2 48 IN. DIAM.		
3602	16	\$65	\$1,040	LF	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.		
8. STRUCTURE							
4006	650	\$60	\$39,000	CY	STRUCTURE EXCAVATION CLASS A INCL. HAUL		Excavation for precast structure
4013	1	\$5,000	\$5,000	LS	SHORING OR EXTRA EXCAVATION CL. A		1:1 side-slope assumed
4205	77	\$1,200	\$92,400	CY	CONC. CLASS 5000 FOR PILE CAP BEAM		2 Pile cap beams
4205	7	\$1,200	\$8,400	CY	CONC. CLASS 5000 FOR WINGWALLS		Wing walls (4) 5' long (beyond beam width) x 9' high (inc
-	120	\$700	\$84,000	LF	PILE FOUNDATION SYSTEM		Drilled shaft unit cost from Amir
-	1,000	\$40	\$40,000	SF	FURNISHING AND DRIVING COMPOSITE SHEET PILING		Scour protection inside culvert
-	1,392	\$45	\$62,640	SF	PRECAST DECK PANEL, 12" THICK		48' wide, 29' span
-	48	\$150	\$7,200	FT	BRIDGE RAILING		24' at upstream and downstream side of bridge.
9. SURFACING							
5120	181	\$90	\$16,290	TON	CRUSHED SURFACING TOP COURSE		Used under HMA
14. HOT MIX ASPHALT							
5767	137	\$230	\$31,510	TON	HMA CL. 1/2 IN. PG 64-22		
17. EROSION CNTL AND ROADSIDE RESTORATION							
6490	1	\$10,000	\$10,000	EST.	EROSION/WATER POLLUTION CONTROL		
-	1	\$20,000	\$20,000	L.S.	LANDSCAPE RESTORATION	sp 8-02.5	
6552	180	\$5.50	\$990	EA	PSIPE SITKA WILLOW, 3' LENGTH LIVESTAKE		NHC
18. TRAFFIC							
6700	330	\$56	\$18,480	LF	CEMENT CONC. TRAFFIC CURB AND GUTTER		
6971	1	\$6,000	\$6,000	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	ss 1-10.5	
6982	140	\$25	\$3,500	S.F.	CONSTRUCTION SIGNS CLASS A	ss 1-10.5	

PROJECT NAME

JOB NO.: 100-SET-T34271.02
 PROJ. ENG.: Gaasland

Lower Coal Creek Improvements - Upper Skagit Key

CONSTRUCTION COSTS - 30%

7/19/2016

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ss-std spec
 sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
19. OTHER ITEMS							
7017	254	\$50	\$12,700	CY	GRAVEL BACKFILL FOR PIPE ZONE BEDDING		Select backfill around structure
7055	97	\$105	\$10,185	S.Y.	CEMENT CONC. SIDEWALK		
-	1	\$50,000	\$50,000	L.S.	UTILITY RELOCATIONS		
-	1	\$30,000	\$30,000	L.S.	TEMPORARY STREAM BYPASS SYSTEM	sp 8-27	Material and labor for 42" gravity bypass.
-	15	\$2,000	\$30,000	EA.	LOG WITH ROOTWAD	sp 8-34	NHC
-	180	\$35	\$6,300	LF	COIR WRAPS		NHC
-	1	\$10,000	\$10,000	L.S.	DEWATERING	sp 8-28	seepage and water handling in channel exc reach
7715	1	\$15,000	\$15,000	EST.	FORCE ACCOUNT	sp 1-09.6	
7736	1	\$1,000	\$1,000	L.S.	SPCC PLAN	ss 1-07.15	
-	1	\$8,000	\$8,000	L.S.	SURVEY	sp 8-37	Survey for staking of improvements

\$674,692	SUB TOTAL
\$67,500	MOBILIZATION (10%)
\$742,192	SUBTOTAL
\$70,500	STATE SALES TAX (9.50%)
\$222,700	CONTINGENCY (30%)
\$1,035,392	TOTAL OPINION OF PROBABLE CONSTRUCTION COST
\$1,035,000	Rounded to the nearest thousand dollars

COSTS ASSOCIATED WITH EASEMENTS, LAND ACQUISITIONS, PERMITS, ENGINEERING, CONSTRUCTION SERVICES, ETC. ARE NOT INCLUDED IN THIS ESTIMATE

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Glacier Key

CONSTRUCTION COSTS - 30%

7/19/2016

ss-std spec
sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
1. PREPARATION							
0001	1	SEE BELOW	SEE BELOW	L.S.	MOBILIZATION (SEE BELOW)	ss 1-09.7	
0035	1	5,000.00	\$5,000	L.S.	CLEARING AND GRUBBING	ss 2-01.5	GSP, Trees, stumps, etc.
0050	1	12,000.00	\$12,000	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	ss 2-02.5	GSP item, Ex CB and minor misc.
4. DRAINAGE							
1093	260	\$40	\$10,400	TN	STREAMBED SEDIMENT		Tt and NHC GSP item
0901	346	\$52	\$17,992	TN	STREAMBED COBBLES 6 IN.		GSP item, 6 inch cobbles
0902	21	\$52	\$1,092	TN	STREAMBED COBBLES 8 IN.		NHC - GSP - coarse aggregate band
5. STORM SEWER							
3105	3	\$3,000	\$9,000	EA	CATCH BASIN TYPE 2 48 IN. DIAM.		
3607	96	\$75	\$7,200	LF	CORRUGATED POLYETHYLENE STORM SEWER PIPE 18 IN. DIAM.		
-	42	\$65	\$2,730	LF	STEEL CASING PIPE 24 IN. DIAM.		Siphon component
8. STRUCTURE							
4006	489	\$60	\$29,340	CY	STRUCTURE EXCAVATION CLASS A INCL. HAUL		Excavation for precast structure
4013	1	\$5,000	\$5,000	LS	SHORING OR EXTRA EXCAVATION CL. A		1:1 side-slope assumed
4205	77	\$1,200	\$92,400	CY	CONC. CLASS 5000 FOR PILE CAP BEAM		2 Pile cap beams
4205	7	\$1,200	\$8,400	CY	CONC. CLASS 5000 FOR WINGWALLS		Wing walls (4) 5' long (beyond beam width) x 9' high (in
-	240	\$700	\$168,000	LF	PILE FOUNDATION SYSTEM		Drilled shaft unit cost from Amir
-	1,000	\$40	\$40,000	SF	FURNISHING AND DRIVING COMPOSITE SHEET PILING		Scour protection inside culvert
-	1,392	\$45	\$62,640	SF	PRECAST DECK PANEL, 12" THICK		48' wide, 29' span
-	48	\$150	\$7,200	FT	BRIDGE RAILING		24' at upstream and downstream side of bridge.
9. SURFACING							
5120	164	\$90	\$14,760	TON	CRUSHED SURFACING TOP COURSE		Used under HMA
14. HOT MIX ASPHALT							
5767	124	\$230	\$28,520	TON	HMA CL. 1/2 IN. PG 64-22		
17. EROSION CNTL AND ROADSIDE RESTORATION							
6490	1	\$10,000	\$10,000	EST.	EROSION/WATER POLLUTION CONTROL		
-	1	\$20,000	\$20,000	L.S.	LANDSCAPE RESTORATION	sp 8-02.5	
18. TRAFFIC							
6700	297	\$56	\$16,632	LF	CEMENT CONC. TRAFFIC CURB AND GUTTER		
6971	1	\$6,000	\$6,000	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	ss 1-10.5	
6982	140	\$25	\$3,500	S.F.	CONSTRUCTION SIGNS CLASS A	ss 1-10.5	

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Glacier Key

CONSTRUCTION COSTS - 30%

7/19/2016

ss-std spec

sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
19. OTHER ITEMS							
7017	282	\$50	\$14,100	CY	GRAVEL BACKFILL FOR PIPE ZONE BEDDING		Select backfill around structure
7055	165	\$105	\$17,325	S.Y.	CEMENT CONC. SIDEWALK		
-	1	\$50,000	\$50,000	L.S.	UTILITY RELOCATIONS		
-	1	\$30,000	\$30,000	L.S.	TEMPORARY STREAM BYPASS SYSTEM	sp 8-27	Material and labor for 42" gravity bypass.
-	1	\$10,000	\$10,000	L.S.	DEWATERING	sp 8-28	seepage and water handling in channel exc reach
7715	1	\$15,000	\$15,000	EST.	FORCE ACCOUNT	sp 1-09.6	
7736	1	\$1,000	\$1,000	L.S.	SPCC PLAN	ss 1-07.15	
-	1	\$8,000	\$8,000	L.S.	SURVEY	sp 8-37	Survey for staking of improvements

\$723,231

SUB TOTAL

\$72,300

MOBILIZATION (10%)

\$795,531

SUBTOTAL

\$75,600

STATE SALES TAX (9.50%)

\$238,700

CONTINGENCY (30%)

\$1,109,831

TOTAL OPINION OF PROBABLE CONSTRUCTION COST

\$1,110,000

Rounded to the nearest thousand dollars

COSTS ASSOCIATED WITH EASEMENTS, LAND ACQUISITIONS, PERMITS, ENGINEERING, CONSTRUCTION SERVICES, ETC. ARE NOT INCLUDED IN THIS ESTIMATE

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Newport Key

CONSTRUCTION COSTS - 30%

7/19/2016

ss-std spec
sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
1. PREPARATION							
0001	1	SEE BELOW	SEE BELOW	L.S.	MOBILIZATION (SEE BELOW)	ss 1-09.7	
0035	1	5,000.00	\$5,000	L.S.	CLEARING AND GRUBBING	ss 2-01.5	GSP, Trees, stumps, etc.
0050	1	12,000.00	\$12,000	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	ss 2-02.5	GSP item, Ex CB and minor misc.
4. DRAINAGE							
1040	69	\$55	\$3,795	CY	CHANNEL EXCAVATION INCL. HAUL	ss 2-03.5	NHC - Channel excavation for logs
1093	254	\$40	\$10,160	TN	STREAMBED SEDIMENT		Tt and NHC/GSP item
0901	326	\$52	\$16,952	TN	STREAMBED COBBLES 6 IN.		GSP item, 6 inch cobbles
0902	21	\$52	\$1,092	TN	STREAMBED COBBLES 8 IN.		NHC - GSP - coarse aggregate band
0908	18	\$350	\$6,300	EA	STREAMBED BOULDER THREE MAN		NHC - GSP item
5. STORM SEWER							
3105	2	\$3,000	\$6,000	EA	CATCH BASIN TYPE 2 48 IN. DIAM.		
3602	46	\$65	\$2,990	LF	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.		
-	46	\$65	\$2,990	LF	STEEL CASING PIPE 24 IN. DIAM.		Siphon component
8. STRUCTURE							
4006	619	\$60	\$37,140	CY	STRUCTURE EXCAVATION CLASS A INCL. HAUL		Excavation for precast structure
4013	1	\$5,000	\$5,000	LS	SHORING OR EXTRA EXCAVATION CL. A		1:1 side-slope assumed
4205	77	\$1,200	\$92,400	CY	CONC. CLASS 5000 FOR PILE CAP BEAM		2 Pile cap beams
4205	7	\$1,200	\$8,400	CY	CONC. CLASS 5000 FOR WINGWALLS		Wing walls (4) 5' long (beyond beam width) x 9' high (in
-	240	\$700	\$168,000	LF	PILE FOUNDATION SYSTEM		Drilled shaft unit cost from Amir
-	1,000	\$40	\$40,000	SF	FURNISHING AND DRIVING COMPOSITE SHEET PILING		Scour protection inside culvert
-	1,392	\$45	\$62,640	SF	PRECAST DECK PANEL, 12" THICK		48' wide, 29' span
-	48	\$150	\$7,200	FT	BRIDGE RAILING		24' at upstream and downstream side of bridge.
9. SURFACING							
5120	141	\$90	\$12,690	TON	CRUSHED SURFACING TOP COURSE		Used under HMA
14. HOT MIX ASPHALT							
5767	107	\$230	\$24,610	TON	HMA CL. 1/2 IN. PG 64-22		
17. EROSION CNTL AND ROADSIDE RESTORATION							
6490	1	\$10,000	\$10,000	EST.	EROSION/WATER POLLUTION CONTROL		
-	1	\$20,000	\$20,000	L.S.	LANDSCAPE RESTORATION	sp 8-02.5	
18. TRAFFIC							
6700	258	\$56	\$14,448	LF	CEMENT CONC. TRAFFIC CURB AND GUTTER		
6971	1	\$6,000	\$6,000	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	ss 1-10.5	
6982	140	\$25	\$3,500	S.F.	CONSTRUCTION SIGNS CLASS A	ss 1-10.5	

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Newport Key

CONSTRUCTION COSTS - 30%

7/19/2016

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sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
19. OTHER ITEMS							
7017	264	\$50	\$13,200	CY	GRAVEL BACKFILL FOR PIPE ZONE BEDDING		Select backfill around structure
7055	144	\$105	\$15,120	S.Y.	CEMENT CONC. SIDEWALK		
-	1	\$50,000	\$50,000	L.S.	UTILITY RELOCATIONS		
-	1	\$30,000	\$30,000	L.S.	TEMPORARY STREAM BYPASS SYSTEM	sp 8-27	Material and labor for 42" gravity bypass.
-	18	\$2,000	\$36,000	EA.	LOG WITH ROOTWAD	sp 8-34	NHC
-	1	\$10,000	\$10,000	L.S.	DEWATERING	sp 8-28	seepage and water handling in channel exc reach
7715	1	\$15,000	\$15,000	EST.	FORCE ACCOUNT	sp 1-09.6	
7736	1	\$1,000	\$1,000	L.S.	SPCC PLAN	ss 1-07.15	
-	1	\$8,000	\$8,000	L.S.	SURVEY	sp 8-37	Survey for staking of improvements

\$757,627	SUB TOTAL
\$75,800	MOBILIZATION (10%)
\$833,427	SUBTOTAL
\$79,200	STATE SALES TAX (9.50%)
\$250,000	CONTINGENCY (30%)
\$1,162,627	TOTAL OPINION OF PROBABLE CONSTRUCTION COST
\$1,163,000	Rounded to the nearest thousand dollars

COSTS ASSOCIATED WITH EASEMENTS, LAND ACQUISITIONS, PERMITS, ENGINEERING, CONSTRUCTION SERVICES, ETC. ARE NOT INCLUDED IN THIS ESTIMATE

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Lower Skagit Key

CONSTRUCTION COSTS - 30%

7/19/2016

ss-std spec
sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
1. PREPARATION							
0001	1	SEE BELOW	SEE BELOW	L.S.	MOBILIZATION (SEE BELOW)	ss 1-09.7	
0035	1	5,000.00	\$5,000	L.S.	CLEARING AND GRUBBING	ss 2-01.5	GSP, Trees, stumps, etc.
0050	1	8,000.00	\$8,000	L.S.	REMOVAL OF STRUCTURE AND OBSTRUCTION	ss 2-02.5	GSP item, Ex CB and minor misc.
4. DRAINAGE							
1093	260	\$40	\$10,400	TN	STREAMBED SEDIMENT		Tt and NHC GSP item
0901	346	\$52	\$17,992	TN	STREAMBED COBBLES 6 IN.		GSP item, 6 inch cobbles
0902	21	\$52	\$1,092	TN	STREAMBED COBBLES 8 IN.		NHC - GSP - coarse aggregate band
5. STORM SEWER							
3602	31	\$65	\$2,015	LF	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.		
8. STRUCTURE							
4006	574	\$60	\$34,440	CY	STRUCTURE EXCAVATION CLASS A INCL. HAUL		Excavation for precast structure
4013	1	\$5,000	\$5,000	LS	SHORING OR EXTRA EXCAVATION CL. A		1:1 side-slope assumed
4205	82	\$1,200	\$98,400	CY	CONC. CLASS 5000 FOR PILE CAP BEAM		2 Pile cap beams
4205	7	\$1,200	\$8,400	CY	CONC. CLASS 5000 FOR WINGWALLS		Wing walls (4) 5' long (beyond beam width) x 9' high (in
-	240	\$700	\$168,000	LF	PILE FOUNDATION SYSTEM		Drilled shaft unit cost from Amir
-	1,000	\$40	\$40,000	SF	FURNISHING AND DRIVING COMPOSITE SHEET PILING		Scour protection inside culvert
-	1,392	\$45	\$62,640	SF	PRECAST DECK PANEL, 12" THICK		48' wide, 29' span
-	48	\$150	\$7,200	FT	BRIDGE RAILING		24' at upstream and downstream side of bridge.
9. SURFACING							
5120	92	\$90	\$8,280	TON	CRUSHED SURFACING TOP COURSE		Used under HMA
14. HOT MIX ASPHALT							
5767	70	\$230	\$16,100	TON	HMA CL. 1/2 IN. PG 64-22		
17. EROSION CNTL AND ROADSIDE RESTORATION							
6490	1	\$10,000	\$10,000	EST.	EROSION/WATER POLLUTION CONTROL		
-	1	\$20,000	\$20,000	L.S.	LANDSCAPE RESTORATION	sp 8-02.5	
18. TRAFFIC							
6700	168	\$56	\$9,408	LF	CEMENT CONC. TRAFFIC CURB AND GUTTER		
6971	1	\$6,000	\$6,000	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	ss 1-10.5	
6982	180	\$25	\$4,500	S.F.	CONSTRUCTION SIGNS CLASS A	ss 1-10.5	

PROJECT NAME

JOB NO.: 100-SET-T34271.02

PROJ. ENG.: Gaasland

CHECKED BY:

Lower Coal Creek Improvements - Lower Skagit Key

CONSTRUCTION COSTS - 30%

7/19/2016

ss-std spec

sp-spec prov

ITEM NO.	TOTAL QUANT.	UNIT PRICE	AMOUNT \$	UNIT	ITEM	Spec ref	Notes
19. OTHER ITEMS							
7017	237	\$50	\$11,850	CY	GRAVEL BACKFILL FOR PIPE ZONE BEDDING		Select backfill around structure
7055	93	\$105	\$9,765	S.Y.	CEMENT CONC. SIDEWALK		
-	1	\$50,000	\$50,000	L.S.	UTILITY RELOCATIONS		
-	1	\$30,000	\$30,000	L.S.	TEMPORARY STREAM BYPASS SYSTEM	sp 8-27	Material and labor for 42" gravity bypass.
-	1	\$10,000	\$10,000	L.S.	DEWATERING	sp 8-28	seepage and water handling in channel exc reach
7715	1	\$15,000	\$15,000	EST.	FORCE ACCOUNT	sp 1-09.6	
7736	1	\$1,000	\$1,000	L.S.	SPCC PLAN	ss 1-07.15	
-	1	\$8,000	\$8,000	L.S.	SURVEY	sp 8-37	Survey for staking of improvements

\$678,482	SUB TOTAL
\$67,800	MOBILIZATION (10%)
\$746,282	SUBTOTAL
\$70,900	STATE SALES TAX (9.50%)
\$223,900	CONTINGENCY (30%)
\$1,041,082	TOTAL OPINION OF PROBABLE CONSTRUCTION COST
\$1,041,000	Rounded to the nearest thousand dollars

COSTS ASSOCIATED WITH EASEMENTS, LAND ACQUISITIONS, PERMITS, ENGINEERING, CONSTRUCTION SERVICES, ETC. ARE NOT INCLUDED IN THIS ESTIMATE