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# SCRD Dakota Ridge Ski Hill Access Improvement Project



Final Project Report For The Island Coastal  
Economic Trust

December 16, 2008

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## Table of Contents

TABLE OF CONTENTS .....	1
DAKOTA RIDGE WINTER RECREATION AREA .....	2
PHASE 1: .....	3
PHASE 2: .....	4
PHASE 3: .....	5
FINANCIAL SUMMARY .....	6
CONCLUSION.....	7
APPENDICES.....	8
Appendix 1 – Final Detailed Budget Breakdown.....	8
Appendix II – Letter of Completion .....	11

## **DAKOTA RIDGE WINTER RECREATION AREA**

### **Access Improvement Project**

This report outlines the steps taken to improve the access road to Dakota Ridge Winter Recreation Area. ICET in partnership with the SCR D and others helped fund this project to improve public winter driving access to Dakota Ridge's ski facilities.

As of December 22, 2008, people are, for the first time, driving to the trailheads of the Dakota Ridge Winter Recreation Area where they can easily access the available cross country facilities and enjoy skiing, sledding, snowshoeing, and snowmobiling activities. This report focuses on the construction phases of the road improvement project which started in the fall of '08. Like most successful projects there was an immense amount of work from the SCR D and our community in the planning phase for this project and while project planning is outside the scope of this report we acknowledge its importance.



**Picture 1: Trailhead of Dakota Ridge Winter Recreation Area - Winter '08.**

## **PHASE 1:**

The construction component of the project started in August of 2008 and ended in December of the same year. After all the project funding was in place, the SCRCD secured the services of a qualified forestry technician to oversee the project and provide technical assistance. Construction permits were then finalized and three contractors hired for the project, with each carrying out a specific stage of the road improvement project.

The project started with tree clearing the 15 meter right-of-way along both sides of the road, which allows light to penetrate through the forest to melt road ice and also afford road side cleared areas for side casting large amounts of plowed road snow.



**Picture 2: Road Construction After Stage 1; Right of Way Clearing**

## **PHASE 2:**

The second stage of the road access improvements dealt with hydrology, and included the installation of 25 culverts, cleaning drainage ditches, and construction of pullouts. These works were done to establish and improve drainage along the roadway.



**Picture 3: Installation of Culver for Recreation Area Road Drainage.**

### **PHASE 3:**

The third, and final, stage of the project involved surfacing the road with gravel. Quarrying, milling, hauling, and spreading of gravel materials along the length of the road system were the key components of this stage. These final improvements were designed to help maintain the structure of the road during the wear and tear of day-to-day use, as well as improve the water-dissipation capacity of the road.





**Picture 4: Quarrying Aggregate for Road Construction**

## FINANCIAL SUMMARY

These three stages and their associated costs along with consulting, meeting, and erosion control expenses are outlined in the table below.

<b>Expensed/ Progress Item</b>	<b>Cost</b>
Meeting with Forestry	\$ 221
Tree Falling for Right-of-Way (Stage 1)	\$ 19,136
Road Foundation (Stage 2)	\$ 157,501
Road Surface Crowning / Aggregate Material(Stage 3)	\$ 160,592
Consultant	\$ 11,679
Hydroseeding	\$ 2,282
<b>Total</b>	<b>\$ 351,411</b>

**CHART 1: Road Improvements Expenditure Summary, 2008**

Note: For more budget detail please see the attached detailed budget spreadsheet (Appendix I).

The SCRД received excellent value for money as the slowdown in the economy allowed for a more competitive environment than when contractors were more in-demand. We received competitive bids from, and awarded contracts to, firms from the Lower Sunshine Coast, Powell River, and Campbell River, all areas covered under the mandate of the North Island – Coast Development Initiative Trust.

## CONCLUSION

As stated in the Dakota Ridge Business Plan (see Stage 2 application package), our communities will see many benefits from this winter recreation area. The Sunshine Coast can look forward to a more diversified economy – including an influx of winter tourism and an increase in businesses associated with winter recreation. In addition, increased winter recreation access will enhance the health and wellness of locals and visitors alike.



Picture 5: Driving Finished Road Surface



## **Appendices**

### ***Appendix 1 – Final Detailed Budget Breakdown***

# Appendix I Final Detailed Budget Breakdown

## Dakota Ridge Winter Recreation Area Access Improvement Project

Vendor/Invoice	Voucher	Month	Year	Module	Cheque #	Amount	Description
MIN01; MINISTER OF FINANCE: 2008FSR7575.04 SRN; AGGREGATE	280	5	2008	AP	66873	1,000.00	Permit to Quarry
COA39;THE COAST REPORTER; CRD100003884; SRN; ADVERTISING	403	7	2008	AP	68064	54.00	Advertisement for RFP for Road Constuction
NOL01;NOLTE CONTRACTING; 2890 BACKHOE SERVICE	417	8	2008	AP	68282	520.00	Prep for Road Constuction
COA39;THE COAST REPORTER; CRD100004390; SRN; ADVERTISING	429	8	2008	AP	68361	54.00	Advertisement for RFP for Road Constuction
CLO02; CLOUTIER HOLDINGS INC.; 3919 BRUSH LOADS	507	9	2008	AP	69360	5,000.00	Dumping fee for Brush incinerator
ADA07;ADAMS SAM;7MAY08POWELLR;SRN;MOF MEETING- POW	301	6	2008	AP	67082	(10.05)	Meeting expenses Ministry of Forests Powell River
ADA07;ADAMS SAM;7MAY08POWELLR;SRN;MOF MEETING- POW	301	6	2008	AP	67082	211.12	Meeting expenses Ministry of Forests Powell River
ADA07;ADAMS SAM;7MAY08POWELLR;SRN;MOF MEETING- POW	301	6	2008	AP	67082	10.00	Meeting expenses Ministry of Forests Powell River
FSC01;FSCI BIOLOGICAL CONSULTANTS;2008-44;DAKOTA R	417	8	2008	AP	68565	265.00	Biological Assesmet
JAY02;JAYDAN EXCAVATING;193;TEST SITE FOR ROCK QUA	417	8	2008	AP	68565	41.08	Biological Assesmet
BIL02;BILL LASUTA & ASSOCIATES LTD.;JUN-JUL08;FORES	450	8	2008	AP	68407	740.00	Prep for Road Constuction
SCO08;SCOTTLYNN CONTRACTING;SCRD-01;AUG 14-25/08 T	458	8	2008	AP	68536	5,084.16	Project Management
BIL02;BILL LASUTA & ASSOCIATES LTD.;AUG08;AUG08 - S	472	9	2008	AP	69020	19,136.00	Right of Way Tree Falling
CAN54;CANADA CULVERT;23-21815;VARIOUS CSP'S.CORR.	472	9	2008	AP	69068	4,026.04	Project Management
CAN54;CANADA CULVERT;23-21815;VARIOUS CSP'S.CORR.	472	9	2008	AP	69068	94.50	Project Management
CAN54;CANADA CULVERT;23-21815;VARIOUS CSP'S.CORR.	472	9	2008	AP	68793	1,880.92	Materials
CLO02;CLOUTIER HOLDINGS INC.;3916;8 LOADS OF WOOD	472	9	2008	AP	68793	26,870.25	Materials
CLO02;CLOUTIER HOLDINGS INC.;3916;8 LOADS OF WOOD	472	9	2008	AP	69077	1,300.00	Materials
CLO02;CLOUTIER HOLDINGS INC.;3915;4" MINUS CRUSH R	472	9	2008	AP	69077	112.00	Dumping fee for Brush incinerator
CLO02;CLOUTIER HOLDINGS INC.;3915;4" MINUS CRUSH R	472	9	2008	AP	69077	1,600.00	Dumping fee for Brush incinerator
CLO02;CLOUTIER HOLDINGS INC.;3908;4" MINUS CRUSH E	472	9	2008	AP	69077	61.60	Surfacing Materials
CLO02;CLOUTIER HOLDINGS INC.;3908;4" MINUS CRUSH E	472	9	2008	AP	69077	880.00	Surfacing Materials
CLO02;CLOUTIER HOLDINGS INC.;3907;AUG 18- AUG 22/0	474	9	2008	AP	69077	266.00	Surfacing Materials
CLO02;CLOUTIER HOLDINGS INC.;3907;AUG 18- AUG 22/0	474	9	2008	AP	69077	3,800.00	Surfacing Materials
IND01;INDIAN ISLE CONSTRUCTION;3500;EXTRA WORK RE:	482	9	2008	AP	68940	112.00	Surfacing Materials
IND01;INDIAN ISLE CONSTRUCTION;3501;BRUSH HAULING	482	9	2008	AP	69257	1,600.00	Surfacing Materials
IND01;INDIAN ISLE CONSTRUCTION;3501;BRUSH HAULING	482	9	2008	AP	69257	3,935.25	Prime Constactor Road Constuction
CLO02;CLOUTIER HOLDINGS INC.;3863;SEP 15 & 16 08 W	501	9	2008	AP	69257	6,779.41	Prime Constactor Road Constuction
GOR05;GORDON WATERS CONTRACTING LTD;632755;DRILLIN	501	9	2008	AP	69360	12.47	Surfacing Materials
CLO02;CLOUTIER HOLDINGS INC.;3582;EXCAVATION	501	9	2008	AP	69360	1,000.00	Surfacing Materials
BLA19;BLACK PEARL TRUCKING;204394;CRUSHED SHOT ROC	501	9	2008	AP	69360	20,756.85	Blasting
BAK09;BAKEWELL FRASER A;29;ROAD RECONSTRUCTION	507	9	2008	AP	69360	6,474.00	Surfacing Materials
BAK09;BAKEWELL FRASER A;29;ROAD RECONSTRUCTION	507	9	2008	AP	69360	93.80	Surfacing Materials
BAK09;BAKEWELL FRASER A;29;ROAD RECONSTRUCTION	507	9	2008	AP	69064	4,591.00	Hauling Surface Materials
CLO02;CLOUTIER HOLDINGS INC.;3862;CRUSHED & BLASTE	507	9	2008	AP	69064	(0.69)	Hauling Surface Materials
CLO02;CLOUTIER HOLDINGS INC.;3862;CRUSHED & BLASTE	507	9	2008	AP	69064	14.40	Hauling Surface Materials
CLO02;CLOUTIER HOLDINGS INC.;3924;EXCAVATION PILE	507	9	2008	AP	69064	193.34	Hauling Surface Materials
IND01;INDIAN ISLE CONSTRUCTION;3499;DAKOTA RIDGE R	507	9	2008	AP	69077	1,827.00	Hauling Surface Materials
IND01;INDIAN ISLE CONSTRUCTION;3502;DAKOTA RIDGE E	509	9	2008	AP	69360	26,100.00	Surfacing Materials
ADA07;ADAMS SAM;SEP08EXP;PERMIT & CHARGER FOR CELL	509	9	2008	AP	69360	2,460.00	Surfacing Materials
IND01 Crush and brush hauling	527	10	2008	AP	69540	4,690.00	Surfacing Materials
	536	10	2008	AP	69540	80,000.00	Surfacing Materials
				AP	69540	11,067.50	Prime Constactor Road Constuction
				AP	69540	10.00	Permit to Quarry
				AP	69540	13,881.25	Prime Constactor Road Constuction
				AP	69509	(237.60)	

# Appendix I Final Detailed Budget Breakdown

Vendor/Invoice	Voucher	Month	Year	Module	Cheque #	Amount	Description
DELO9 Dakota Ridge Trucking	536	10	2008	AP	69509	4,989.62	Prime Contractor Road Construction
"	536	10	2008	AP	69375	(170.78)	
DKE01 Dakota Ridge- Gravel Truck rental	536	10	2008	AP	69375	3,586.28	Hauling Surface Materials
COO17 Dakota Ridge- Grader services	537	10	2008	AP	69366	1,625.77	Grading Surface Materials
COO17 Dakota Ridge- Grader services	537	10	2008	AP	69366	(0.81)	
BUT04 Dakota Ridge- Trucking	540	10	2008	AP		1,080.00	Hauling Surface Materials
MRG02 Dakota Ridge- Hydroseeding	540	10	2008	AP	69695	3,726.00	Hydroseeding
CLO02 Sep 18/08- haul crush rock	552	10	2008	AP	69490	2,282.00	Hauling Surface Materials
CLO02 Sep 18/08- haul crush rock	552	10	2008	AP	69490	49.00	Hauling Surface Materials
CLO02 Sep 19/08- haul crush etc	552	10	2008	AP	69490	2,042.00	Hauling Surface Materials
CLO02 Sep 19/08- haul crush etc	552	10	2008	AP	69490	35.00	Hauling Surface Materials
BIL02 SCRD Dakota Ridge FSR Project	566	10	2008	AP	69637	4,507.20	Project Management
D&R01 Frl to Canada Culvert	566	10	2008	AP		500.00	Delivery Charge
CLO02 Dakota Ridge	569	10	2008	AP	69648	235.20	Surfacing Materials
CLO02 Dakota Ridge- rock & culvert	569	10	2008	AP	69648	3,360.00	Surfacing Materials
CLO02 Sep 1-4/08 crush rock	569	10	2008	AP	69648	4,718.00	Surfacing Materials
CLO02 Sep 1-4/08 crush rock	569	10	2008	AP	69648	323.40	Surfacing Materials
CLO02 Sep 2-8/08 Excavator work	569	10	2008	AP	69648	5,320.00	Surfacing Materials
CLO02 Sep 5-8/08 Gravel truck	569	10	2008	AP	69648	1,813.00	Surfacing Materials
CLO02 Sep 5-8/08 crush & minus rock	569	10	2008	AP	69648	1,602.51	Surfacing Materials
SHA14 Crusher costs	569	10	2008	AP	69648	22,893.00	Surfacing Materials
R#81506;NAME:PROV OF B.C.:REF:CENTRAL CREDIT UNION	585	10	2008	AP	54	20,175.00	Crushing Materials
BIL02: BILL LASUTA & ASSOC. LTS.; OCT08 CONSULTING	271	10	2008	CRD#41	70660	(500.00)	
BIL02 NOV08 CONSULTING- DAKOTA RIDGE	639	11	2008	AP		2,165.80	Project Management
	673	12	2008	AP		1,837.20	Project Management
CLO02 OCT27-08 LOAD AND SUPPLY BASTED FINES & CRUSH	682	12	2008	AP		222.60	
CLO02 OCT27-08 LOAD AND SUPPLY BASTED FINES & CRUSH	682	12	2008	AP		3,180.00	Surfacing Materials
IND01 OCT4-14/08 EXCAVATOR & HAUL CRUSH	682	12	2008	AP		200.00	Surfacing Materials
CLO02 OCT27-08 LOAD AND SUPPLY BASTED FINES & CRUSH	682	12	2008	AP		(377.13)	
R#82341; NAME: CANADA CULVERT OVERPAYMENT;CAN54 Orig	682	12	2008	AP		7,919.75	Prime Contractor Road Construction
Inv#21815- Geotextiles returned	682	12	2008	AP		2,653.60	Surfacing Materials
<b>Total</b>	318	12	2008	CRD#4191		(8,938.20)	
						351,411.61	

  
Jacqueline R. Day- Deputy Treasurer

I confirm that the above expenditures have been incurred and paid to the best of my knowledge

***Appendix II – Letter of Completion***

December 15, 2008

Island Coastal Economic Trust  
Unit 201A - 2435 Mansfield Drive,  
Courtenay, BC  
V9N 2M2  
Attention: Mr. Al Baronas, Chief Executive Officer

**Re: Dakota Road Access Project - Notice of Substantial Completion**

Dear Mr. Baronas:


Please accept this letter as a Notice of Completion for construction works on the Dakota Ridge Ski Hill Access Road. I am a forestry consultant working with the Sunshine Coast Regional District to ensure that the funds provided by the Island Coastal Economic Trust are spent in accordance with the approved Road Construction Plan.

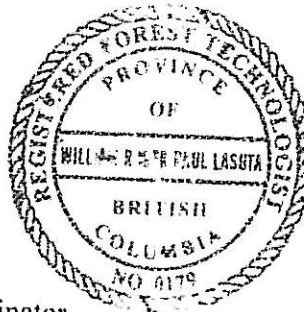
Items pertaining to the original Road Construction Plan have been completed with respect to culvert placement, road re-alignment and all aspects of the road subgrade requirement. The road can now be safely travelled from the first parking lot up to the upper parking lot located at 4.53km at the ski Quonset Structure.

The road was been checked on two occasions by Ministry of Forests Engineering staff from the Powell River District office and they are satisfied with the work product delivered.

If you have any questions with respect to this project, please feel free to call at your earliest convenience.

Sincerely yours,  
**BILL LASUTA AND ASSOCIATES LTD.**

  
Bill Lasuta, RFT



Cc - Sam Adams, SCRD Parks Planning Coordinator

**Bill Lasuta & Associates Ltd**

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