

HARZA-EBASCO

Susitna Joint Venture

Document Number

109

From To
DOCUMENT CONTROL

(I)

UNIT PRICES - BACKUP CALCULATIONS

WATANA/DEVIL CANYON

BREAKDOWN OF EQUIPMENT COSTS/UNIT COSTS:

Hourly Rental Rate Details

Equipment Breakdown Costs

SUSITNA HYDROELECTRIC PROJECT
Sheet 1 of 8

Excavation Equipment
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
25 cy Dragline	\$475.90	- - -	\$213.80	\$78.60	\$45.60	\$813.90
15 cy Dragline	163.20	- - -	141.10	54.10	27.90	386.30
15 cy Loader	83.00	- - -	20.50	41.50	20.00	165.00
10 cy Loader (arctic)	98.00	- - -	24.25	49.00	23.75	195.00
10 cy Loader (std.)	40.50	12.00	15.50	31.50	10.50	110.00
8 cy Loader	38.50	11.50	14.80	30.00	10.20	105.00
5 cy Loader/ Crawler	27.60	8.20	10.60	21.50	7.10	75.00
3 cy Loader	17.00	1.90	8.25	4.85	2.00	34.00
10 cy Shovel/ Backhoe	120.70	- - -	28.50	103.30	72.50	325.00
5 cy Shovel	48.40	- - -	14.00	41.00	31.60	135.00
5 cy Backhoe	98.00	- - -	22.00	82.00	58.00	260.00
2 cy Backhoe/ Clamshell	35.85	- - -	10.35	30.35	23.45	100.00
5 cy F.E.L.	31.00	9.10	11.80	24.00	8.10	84.00
Grader 250 HP	25.00	9.50	11.00	17.50	8.00	71.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 2 of 8

CONSTRUCTION EQUIPMENT COSTS
Provided by F. Toth Feb. 4, 1982

DESCRIPTION	DEPRECIATION/HR	TIRE/HR	FUEL AND LUBE/HR	REPAIR PARTS/HR	REPAIR LABOR/HR	TOTAL/HR
120 cy Athey	\$79.60	\$28.50	\$24.00	\$26.20	\$21.70	\$180.00
120 cy Athey(standby)	85.00	- - -	3.00	5.00	7.00	100.00
85 cy Truck	75.90	20.80	28.00	23.30	20.00	168.00
85 cy Truck(standby)	69.00	- - -	2.00	4.00	6.00	81.00
45cy Arctic Truck	58.50	17.00	19.30	21.50	18.70	135.00
45cy Arctic Truck (standby)	55.00	- - -	2.00	- - -	2.00	59.00
45 cy Truck	49.00	15.00	16.20	18.00	14.80	113.00
45 cy Truck (standby)	42.00	- - -	1.50	- - -	1.50	45.00
40 T Low Bed Truck	20.25	1.00	10.00	7.00	3.75	42.00
25 T Truck	22.50	6.90	7.45	8.25	6.90	52.00
Service Truck	14.50	.50	4.50	8.00	2.50	30.00
Fuel Truck	13.40	.60	7.00	5.00	2.00	28.00
Water Truck	13.00	.50	6.00	4.50	2.00	26.00
1 T Panel Truck	12.00	.50	6.00	4.50	2.00	25.00
1 T Truck	7.45	.80	6.00	4.50	1.25	20.00
4 X 4 Pickup	7.00	.75	6.00	4.75	1.50	20.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 3 of 8

CONSTRUCTION EQUIPMENT COSTS
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
D 10 Dozer	\$77.20	- - -	\$30.00	\$52.30	\$26.50	\$186.00
D 9 Dozer	72.60	- - -	28.20	49.20	25.00	175.00
D 8 Dozer	65.50	- - -	20.50	42.50	26.50	155.00
D 8 Dozer (S Blade)	68.50	- - -	21.40	44.40	27.70	162.00
D 7 Dozer	35.50	- - -	15.00	25.00	14.50	90.00
D 6 Dozer	25.00	- - -	10.00	15.00	10.00	60.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 4 of 8

CONSTRUCTION EQUIPMENT COSTS
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
75 kw Generator	\$2.90	- - -	\$6.20	\$.90	\$.60	\$10.60
150 kw Generator	3.70	- - -	12.50	2.00	1.50	19.70
200 kw Generator	4.90	- - -	16.70	2.70	2.00	26.30
300 kw Generator	5.80	- - -	25.70	4.50	3.25	39.25
1000 kw Generator	11.00	- - -	46.40	8.20	5.90	71.50
6000 kw Generator	57.00	- - -	240.00	25.00	18.00	340.00
10 T Vibrator/ Self Prop.	25.60	- - -	15.00	9.15	8.25	58.00
15 T Vibrator/ Self Prop.	28.00	- - -	16.50	10.00	9.50	64.00
25 T Vibrator/ Self Prop.	48.40	- - -	28.30	17.20	16.10	110.00
15 T Compactor	30.70	- - -	18.00	10.90	10.40	70.00
350 CFM Compressor	5.40	- - -	6.25	4.00	2.35	18.00
600 CFM Compressor	7.70	- - -	11.00	5.00	3.30	27.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 5 of 8

CONSTRUCTION EQUIPMENT COSTS
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
35 T 200' Boom Crane	\$35.50	\$2.20	\$17.10	\$10.50	\$6.70	\$72.00
20 T Crane	32.00	2.00	15.50	9.50	6.00	65.00
15 T Hydracrane	17.50	2.00	8.50	5.00	2.00	35.00
Tractor with Disc	22.00	1.50	10.00	7.00	5.30	45.80
Tractor with Broom	6.50	.50	2.90	2.00	1.60	13.50
Towed (Wobble Wheel)	22.00	1.00	10.00	7.00	5.00	45.00
Air Track	15.00	- - -	.85	7.00	5.65	28.50
Bull Moose	17.50	2.00	8.50	5.00	2.00	35.00
6" Pump HI PR	5.80	- - -	.35	3.50	2.35	12.00
2" Monitor	12.50	- - -	- - -	3.00	1.00	16.50
Tagger Hoist	2.25	- - -	.25	2.00	1.10	5.60
Platform	3.00	- - -	- - -	- - -	- - -	3.00
Bit Grinder	2.00	- - -	- - -	1.00	- - -	3.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 6 of 8

CONCRETE AGGREGATE PROCESS PLANT
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
Feeder Hopper	\$7.00	- - -	- - -	- - -	\$1.00	\$8.00
Primary Crusher	80.00	- - -	1.65	34.80	24.55	141.00
5 X 14 D.D. Sc	18.00	- - -	.40	8.30	5.30	32.00
48" X 60" Feeder	14.15	- - -	.37	9.45	3.03	27.00
4' X 14' D.D. Sc	14.45	- - -	.35	6.70	4.50	26.00
Sec. Roll Crusher	48.00	- - -	1.00	21.00	15.00	85.00
42" X 60" Feeder	13.10	- - -	.35	8.75	2.80	25.00
5' - 14' D.D. Sc.	18.00	- - -	.40	8.30	5.30	32.00
32' Eagle Class.	41.50	- - -	.95	19.00	13.55	75.00
4' - 12 S.D. Sc.	12.20	- - -	.30	5.60	3.90	22.00
48" X 72" Feeder	15.75	- - -	.40	10.50	3.35	30.00
48" - 60" Feeder	14.15	- - -	.37	9.45	3.03	27.00
D-6 Dozer	25.00	- - -	10.00	15.00	10.00	60.00
15 cy Loader	83.00	- - -	20.50	41.50	20.00	165.00
6000 kw Generator	57.00	- - -	240.00	25.00	18.00	340.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 7 of 8

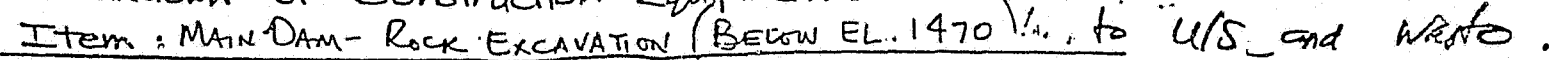
CONSTRUCTION EQUIPMENT COSTS
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
48" Belt Loader	\$30.00	- - -	\$12.80	\$13.00	\$12.00	\$67.80
36" Screw Conv.	5.00	- - -	.25	3.50	1.50	10.25
Single Deck Screen	32.75	- - -	.75	15.00	10.00	58.50
600 Gal/M Pump	2.50	- - -	.15	1.50	1.00	5.15
200' 30" Conv.	18.75	- - -	.50	12.50	4.00	35.75
40' 36" Conv.	6.50	- - -	.15	4.40	1.45	12.50
100 cy Surge Bin	8.00	- - -	- - -	1.50	1.00	10.50
Light Plant/ Pit Light	1.25	- - -	1.50	1.50	.25	4.50
Grizzly Screen	1.00	- - -	- - -	.50	1.50	3.00

SUSITNA HYDROELECTRIC PROJECT
Sheet 8 of 8

CONCRETE AGGREGATE PROCESS PLANT
Provided by F. Toth Feb. 4, 1982

<u>DESCRIPTION</u>	<u>DEPRECIATION/HR</u>	<u>TIRE/HR</u>	<u>FUEL AND LUBE/HR</u>	<u>REPAIR PARTS/HR</u>	<u>REPAIR LABOR/HR</u>	<u>TOTAL/HR</u>
200' 48" Belt	\$26.00	- - -	\$.70	\$17.30	\$5.50	\$49.50
180' 36" Belt +6"+3"	18.50	- - -	.45	12.50	4.05	35.50
200' 30" Belt -6"+3"	19.25	- - -	.45	13.00	4.30	37.00
180' 42" - 3" Surge	23.40	- - -	.55	15.80	5.25	45.00
180' 36" - 3 Sec.	18.50	- - -	.45	12.50	4.05	35.50
180' 30"-3 + 1½" Storage	17.60	- - -	.40	11.00	4.00	33.00
150' 24" - 1½ + 3/4 Storage	12.00	- - -	.32	8.00	2.68	23.00
90' 24" Crusher Run	9.95	- - -	.27	6.65	2.13	19.00
220' 30" - 3/4"	2.50	- - -	.60	14.30	4.60	41.00
150' 30" - 3/4"	14.70	- - -	.40	9.80	3.10	28.00
150' 24" -3/4 + #4	12.00	- - -	.32	8.00	2.68	23.00
80' 24" - 3/4"	9.45	- - -	.25	6.30	2.00	18.00
220' 24" - #4	20.00	- - -	.55	13.30	4.15	38.00
150' 24" Sand to Bin	12.00	- - -	.32	8.00	2.68	23.00
100' 18" Bin to Screen	7.30	- - -	.20	4.90	1.60	14.00
1200' Reclaim 42"	65.00	- - -	1.50	44.00	14.50	125.00



APP DATE

50.04.01 Form 148A

ED



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : MAIN DAM - ROCK EXCAVATION ABOVE EL. 1470

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

BY RGH DATE 2/9/82

APP DATE

Description	Depreciation (per hour)	Tire (per hour)	Fuel and Lube (per hour)	Repair Parts (per hour)	Repair Labour (per hour)	TOTAL (per hour)
12 AIRTRACK	180.00	-	10.20	84.00	67.80	342.00
6 700 CFM COMPRESSOR	46.20	-	66.00	30.00	19.80	162.00
2 1 TON TRUCK	14.90	1.60	12.00	9.00	2.50	40.00
2 4x4 PICKUPS.	14.00	1.50	12.00	9.50	3.00	40.00
2 BIT GRINDER	4.00	-	-	2.00	-	6.00
SUBTOTALS:	255.10	3.10	100.20	132.50	93.10	584.00
TOTAL	259.10	3.10	100.20	134.50	93.10	590.00
Quantity/Prod: / ⇒ UNIT COST	0.44	0.01	0.17	0.22	0.16	1.00

ACRES

SUBJECT:

Item: IMPERVIOUS TILL- REMOVAL OF OVERSIZE

JOB NUMBER P 5700
FILE NUMBER _____
SHEET 1 OF _____
BY RGA DATE 2/8/82
APP _____ DATE _____

Description	Depreciation (per hour)	Tire (per hour)	Fuel and Lube (per hour)	Repair Parts (per hour)	Repair Labor (per hour)	TOTAL (per hour)
1 5 cy LOADER-CRAWLER	27.60	8.20	10.60	21.50	7.10	75.00
4 F45 TRUCK	196.00	60.00	64.80	72.00	59.25	452.00
1 D-6 DOZER	25.00	-	10.00	15.00	10.00	60.00
1 PICKUP 4x4	7.00	0.75	6.00	4.75	1.50	20.00
SUBTOTALS:	228.00	66.75	80.80	91.75	70.70	532.00
TOTAL	255.60	68.95	91.40	113.25	77.80	607.00
Quantity/Prod: % ⇒ UNIT COST	0.42	0.11	0.15	0.19	0.13	1.00

0.04.01 Form 148A

②

OLD
NGTH
2 IN
1 IN
3.5 IN
IN
UTO
L.
NUAL
L
ED



Calculations SUSITNA HYDROELECTRIC PROJECT
SUBJECT: Breakdown of Construction Equipment Costs.
Item: BORROW AREA D - TOPSOIL REMOVAL (DOZING SEGMENT)

JOB NUMBER P 5700
FILE NUMBER _____
SHEET _____ OF _____
BY RGA DATE 2/8/82
APP _____ DATE _____

Description		Depreciation (per hour)	Tire (per hour)	Fuel and Lube (per hour)	Repair Parts (per hour)	Repair Labour (per hour)	TOTAL (per hour)
10	D-8 DOZER	655.00	-	205.00	425.00	265.00	1550.00
1/2	4x4 PICKUP	3.50	0.38	3.00	2.37	0.75	10.00
TOTAL		658.50	0.38	208.00	427.37	265.75	\$1560.00
Quantity/Prod: % ⇒ UNIT COST		0.42	0.00	0.13	0.28	0.17	1.00

50,04,01 Form 148A

FOLD
LENG

12
11
8.5
8

AUT

MANU

FEE

I 20



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Borrow Area D: TOPSOIL REMOVAL (LOAD, HAUL, DUMP, SPREAD, SEGMENT)

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

BY PGA DATE 2/9/82

APP. DATE

[illegible]

50.04.01 Form 148A

FOLD
LENGTH

- 12 -

- 11 -

8.5 II

48 11

AUTO

MANILA

FEED



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Construction Roads in PIT E (Levelling).

JOB NUMBER P 5700

FILE NUMBER.

SHEET OF

BY RJC Feb DATE 8/82

APP DATE

	Description	Depreciation (per hour)	Tire (per hour)	Fuel and Lube (per hour)	Repair Parts (per hour)	Repair Labour (per hour)	TOTAL (per hour)
162	4 - D8 dozer	274.00	-	85.60	177.60	110.80	648.00
83	2 - D7 dozer	71.00	-	30.00	50.00	29.00	180.00
71	4 - 11G Grader	100.00	38.00	44.00	70.00	32.00	284.00
64	4 - Compactor (15T)	112.00	-	66.00	40.00	38.00	256.00
180	2 - 120 cy hauler (Atley)	159.20	57.00	48.00	52.40	43.40	360.00
183	1 - 10 cy loader (arctic)	98.00	-	24.25	49.00	23.75	195.00
20	4 - Pickup 4x4	28.00	3.00	24.00	19.00	6.00	80.00
26	1 - Water truck	13.00	0.50	6.00	4.50	2.00	26.00
	SUB.	57.20	98.50	303.60	413.50	261.20	1832.00
	TOTAL	855.20	98.50	327.85	462.5	284.95	2029.00
	Quantity/Prod: % ⇒ UNIT COST	0.42	0.05	0.16	0.23	0.14	1.0



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : Overburden Removal in PIT 'E'

JOB NUMBER P 5700

FILE NUMBER

SHEET _____ OF _____

BY RDC Feb DATE 8/82

APP _____ DATE _____

[illegible]



Calculations SUSITNA - HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : Downstream Damfill Process

JOB NUMBER P 5700

FILE NUMBER _____

SHEET _____ OF _____

BY RDC Feb DATE 10/82

APP _____ DATE _____

[illegible]



Calculations SUSITNA HYDROELECTRIC__PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : Service Spillway Blasting.

JOB NUMBER P 5700

FILE NUMBER

SHEET _____ OF _____

BY RDC Feb DATE 9/82

APP	DATE
-----	------

[illegible]

I 39



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : Service Spillway Load, haul 1.5 miles, dump, spread

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

BY RDC Feb DATE 9/82

APP DATE

[illegible]

I 46



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Service Spillway: Dune and Stockpile Shotrock.

JOB NUMBER P 5700

FILE NUMBER

SHEET _____ OF _____

BY RDC Falo DATE 9/82

APP _____ DATE _____

[illegible]

30.04.01 Form 148A

FOLD
LENGTH

12 IN

11 IN

2.5 IN

- 8 - IN

AUTO

MANUAL

FEED

40

AGRES

SUBJECT:

Item : Dewatering Phase II.

FILE NUMBER

SHEET OF

BY RDC Feb DATE 10/82

APP DATE

[illegible]

I 44



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.
Item: DRAINAGE BLANKET - CLEARING & REMOVE TUNDRA

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

BY RGA

DATE 2/9/82

APP

DATE _____

[illegible]



Breakdown of Construction Equipment Costs.

Item : PROCESSING GRAVEL FOR DAM: HAUL, PLACE & COMPACT

JOB NUMBER P 5700

FILE NUMBER

SHEET / OF /

BY RGA DATE 2/5/82

APP DATE

50.04.01 Form 148A

FOLD
LENGTH

- 12 IN

- 11 - IN

- 8.5 IN

18 19

AUTO

MANUAL

FEED



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: CONCRETE AGGREGATE PROCESS PLANT: DUMP DS PROCESSED GRAVEL.

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

BY RGA

DATE 2/11/82

APP

DATE

Description	Depreciation (per hour)	Tire (per hour)	Fuel and Lube (per hour)	Repair Parts (per hour)	Repair Labour (per hour)	TOTAL (per hour)
1 FEEDER HOPPER	\$ 7.00	-	-	-	\$ 1.00	\$ 8.00
1 PRIMARY CRUSHER	80.00	-	1.65	34.80	24.55	141.00
2 5x14 D.D. SCREEN	36.00	-	0.80	16.60	10.60	64.00
2 48"x60" FEEDER	28.30	-	0.74	18.90	6.06	54.00
3 4x14' D.D. SCREEN	43.35	-	1.05	20.10	13.50	78.00
1 SEC. ROLL CRUSHER	48.00	-	1.00	21.00	15.00	85.00
1 42"x60" FEEDER	13.10	-	0.35	8.75	2.80	25.00
4 5x14' D.D. SCREEN	72.00	-	1.60	33.20	21.20	128.00
2 32' EAGLE CLASSIFIER	83.00	-	1.90	38.00	27.10	150.00
1 4"x12' S.D. SCREEN	12.20	-	0.30	5.60	3.90	22.00
4 48"x72" FEEDER	63.00	-	1.60	42.00	13.40	120.00
6 48"x60" FEEDER	84.90	-	2.22	56.70	18.18	162.00
2 D-6 DOZER	50.00	-	20.00	30.00	20.00	120.00
4 15 cy LOADER	332.00	-	82.00	166.00	80.00	660.00
1 6000 KW GENERATOR	57.00	-	240.00	25.00	18.00	340.00
200' 48" BELT 1	26.00	-	0.70	17.30	5.50	49.50
180' 36" BELT +6"+3"	18.50	-	0.45	12.50	4.05	35.50
200' 30" BELT -6"+3"	19.25	-	0.45	13.00	4.30	37.00
180' 42" - 3" SURGE	23.40	-	0.55	15.80	5.25	45.00
180' 36" - 3" SECTION	18.50	-	0.45	12.50	4.05	35.50
180' 30" - 3 + 1 1/2" STORAGE	17.60	-	0.40	11.00	4.00	33.00
150' 24" - 1 1/2 & 3/4" STORAGE	12.00	-	0.32	8.00	2.68	23.00
90' 24" CRUSHER RUN	9.95	-	0.27	6.65	2.13	19.00
220' 36" - 3/4"	21.50	-	0.60	14.30	4.60	41.00
150' 30" - 3/4"	14.70	-	0.40	9.80	3.10	28.00
150' 24" - 3/4 & #4	12.00	-	0.32	8.00	2.68	23.00
80' 24" - 3/4"	9.45	-	0.25	6.30	2.60	18.00
220' 24" #4	20.00	-	0.55	13.30	4.15	38.00
150' 24" SAND TO BIN	12.00	-	0.32	8.00	2.68	23.00
100' 12" BIN TO SCREEN	7.30	-	0.26	4.90	1.60	14.00
1200' RECLAIMER (42")	65.00	-	1.50	44.00	14.50	125.00
EXCESSIVE TOTAL	1317.00	-	362.94	722.00	342.56	2744.50
Quantity/Prod: %	0.48	0.00	0.13	0.26	0.13	1.00
⇒ UNIT COST						47



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Cofferdams Closure Dam End Dump including load and haul 2 miles.

JOB NUMBER P 5700

FILE NUMBER

SHEET _____ OF _____

BY RDC Feb DATE 8/82

APP DATE

[illegible]

151



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : Processing Gravel for Dam (u/s Damfill)

JOB NUMBER P 5700

FILE NUMBER

SHEET 1 OF 1

BY RDC Feb DATE 4/82

APP DATE

Description	Depreciation (per hour)	Tire (per hour)	Fuel and Lube (per hour)	Repair Parts (per hour)	Repair Labour (per hour)	TOTAL (per hour)
1 - D10 dozer	308.80	-	120.00	209.20	106.00	744.00
2 - D8 dozer	131.00	-	41.00	85.60	53.00	310.00
2 - D6 dozer	50.00	-	20.00	30.00	20.00	120.00
3 - 48" belt loader	90.00	-	35.40	39.00	39.00	203.40
3 - 36" Rev Flight Sep.	15.00	-	0.75	10.50	4.50	30.75
5 - Single deck scr	163.75	-	3.75	75.00	50.00	292.50
3 - 600 GPM Pump	7.50	-	0.45	4.50	3.00	15.45
3 - 200 30' conv	56.25	-	1.50	37.50	12.00	107.25
5 - 40' 36" conv	32.50	-	0.75	22.00	7.25	62.50
3 - 100 cy surge bin	24.00	-	-	4.50	3.00	31.50
4 - 4x4 pickup	28.00	3.00	24.00	19.00	6.00	80.00
2 - service truck (Panel)	24.00	1.00	12.00	9.00	4.00	50.00
14 - light plant	17.50	-	21.00	21.00	3.50	63.00
3 - grizzly scr.	3.00	-	-	1.50	4.50	9.00
TOTAL	951.30	4.00	280.60	567.70	315.75	2119.35
Quantity/Prod: $\frac{1}{1}$ ⇒ UNIT COST	2.4	0.00	17	...	IL	1.00

50.04.01 Form 148A

FOLD
LENGTH

— 12 IN

— 11 — IN

— 8.5 IN

— 8 —

AUTO

MANUAL

FEED

五



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item : PROCESSING GRAVEL FOR DAM - EXCAVATION

JOB NUMBER P 5700

FILE NUMBER

SHEET / OF

BY REA DATE 2/5/82

APP DATE

[illegible]