

HARZA-EBASCO
Susitna Joint Venture
Document Number

106

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Susitna Joint Venture
Document Number

106

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(H) Unit Prices - Backup Calculations

Watana Dam

Breakdown of Equipment Costs:

44



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Upstream Cofferdam "Overburden Removal"

552.221

JOB NUMBER P 5700

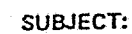
FILE NUMBER

SHEET OF

BY RSC RGA Feb DATE 10/82

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)
Doze Overburden	0.42	0.00	0.13	0.28	0.17	1.00
Haul and Dump (2 miles)	0.42	0.10	0.14	0.19	0.15	1.00
Road Maintenance (minor cost - will not significantly effect overall cost breakdowns)	—					
AVERAGE	1.22	0.00	0.12	0.27	0.16	1.00
Quantity/Prod: ⇒ UNIT COST						



Item: Upstream Cofferdam ~ FILL ~ Rock Fill

JOB NUMBER P 5700

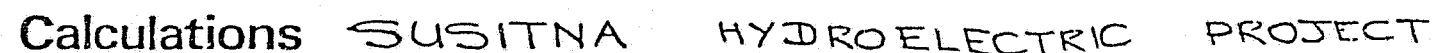
FILE NUMBER _____

SHEET _____ OF _____

BY RDC Feb DATE 10/82

APP _____ DATE _____

5



SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Upstream Contrⁿ Coarse Filter

JOB NUMBER F 5700

FILE NUMBER

SHEET OF

BY _____ DATE _____

APP DATE

352. 222.

[illegible]

50.04.01 Form 148A

H^2 

Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Upstream ⁶¹ Cofferdam Fill - Rock shell

552. 222

JOB NUMBER P 5700

FILE NUMBER _____

SHEET _____ OF _____

BY RDC Feb DATE 10/82

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)
Excavation, load, haul 2 miles and spread	0.42	0.08	0.14	0.21	0.15	1.00
AVERAGE	0.42	0.08	0.14	0.21	0.15	1.00
Quantity/Prod:						
⇒ UNIT COST						

ACRES

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: RIP RAP ~ U/S SLOPE PROTECTION

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

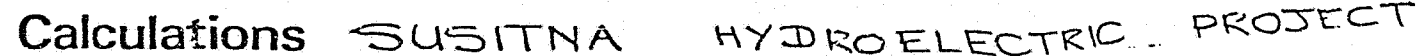
BY _____ DATE _____

APP _____ DATE _____

532. 222

[illegible]

532. 223.



Breakdown of Construction Equipment Costs.

Item: u/s Cofferdam Slurry Wall Excavation

JOB NUMBER P 5700

FILE NUMBER

SHEET _____ OF _____

BY _____ DATE _____

APP DATE

[illegible]

ACRES

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Downstream Cofferdam ~ Removal of Cofferdam.

JCB NUMBER P 5700

FILE NUMBER _____

SHEET _____ OF _____

BY _____ DATE _____

APP _____ DATE _____

[illegible]

H 12



Calculations SUSITNA HYDROELECTRIC PROJECT

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Main Dam: Excavation Overburden above 1470 ft.

JOB NUMBER P 5700

FILE NUMBER _____

SHEET _____ OF _____

BY _____ DATE _____

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)
Dozing	0.42	0.00	0.13	0.28	0.17	1.00
Road Maintenance	N.A.	—	—	—	—	—
Haul and dump (2 miles)	0.42	0.10	0.14	0.19	0.15	1.00
AVERAGE						
Quantity/Prod: ⇒ UNIT COST	0.42	0.05	0.14	0.23	0.16	1.00

AGRES

552, 599

Breakdown of Construction Equipment Costs.

Item: Main Dam: OVOlbunden Elevation Below 1470 ft.

JOB NUMBER P 5700

FILE NUMBER

SHEET OF

BY _____ DATE _____

APP DATE

[illegible]



SUSITNA HYDROELECTRIC PROJECT

552-511.

Item: Main Dam: Rock Usable Above 9470'

FILE NUMBER _____

SHEET _____ OF _____

BY _____ DATE _____

APP _____ DATE _____

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SUBJECT:

SUSITNA HYDROELECTRIC PROJECT

Breakdown of Construction Equipment Costs.

Item: Main Dam: Rock Uscalde Below 1/4 to ft.

JOB NUMBER P 5700

FILE NUMBER _____

SHEET _____ OF _____

BY _____ DATE _____

APP _____ DATE _____

532-591

13

ACRES

SUBJECT:

Breakdown of Construction Equipment Costs.

Item: Main Dam, Rock Waste Below - 1470'

JOB NUMBER P 5700

FILE NUMBER _____

SHEET _____ OF _____

BY _____ DATE _____

APP _____ DATE _____

[illegible]