PLAINTIFF'S EXHIBIT

ASA-1083

Brown & Root, Inc. Post Office Box Three, Houston, Texas 77001
A Halliburton Company

R. G. Nethery
Senior Manager
Manufacturing & Process Industries
Construction Division

May 31, 1983

RECEIVED
JUN 1 1983
P. A. DeSANTIS
J. R. SHAW

Mr. W. A. Bennis
Vice President, Purchasing
ASARCO Incorporated
120 Broadway
New York, New York 10005

ATTENTION: Mr. F. O. Wittwer

REFERENCE: No. 2 Cottrell Expansion Project
El Paso, Texas

Gentlemen:

Brown & Root is pleased to submit this proposal for the above referenced project. Our lump sum price to perform this work in accordance with your Invitation to Bid dated April 29, 1983, and as clarified by our visit to the site on May 17, 1983 and your subsequent letter dated May 20, 1983 is $1,799,560.00 (One Million Seven Hundred Ninety Nine Thousand Five Hundred Sixty Dollars). You may consider our price firm for a period of thirty (30) days from this date.

Should you deem it necessary for us to provide you with performance and labor and material payment bonds, please add $15,425.00 (Fifteen Thousand Four Hundred Twenty-Five Dollars) to the above price.

Included as ATTACHMENT I to this Proposal is our BASIS OF PRICING, which will define the basis upon which our lump sum price is submitted.

In response to your request for a method of compensation for the performance of extra work beyond that which is described in your Request for Quotation, we propose to perform such work under the terms and conditions of our REIMBURSABLE COST AGREEMENTS - BASIS OF COMPENSATION AND OTHER TERMS, which is included for your review as ATTACHMENT II.

We can mobilize our forces and begin this work within fourteen (14) working days from notice to proceed. We currently anticipate that two hundred twenty (220) working days will be required to complete all portions of the work. We plan to work forty (40) hours per week, with the exception of the shutdown period required for the work associated with the No. 1 Cottrell, at which time we plan to work two (2) 12-hour shifts per day. We do, however, reserve the right to work spot overtime at our discretion.

Mr. W. A. Bennis
Vice President, Purchasing
ASARCO Incorporated
Page Two

ATTENTION: Mr. F. O. Wittwer

Our proposal is generally in accordance with the Technical Specifications and Commercial and Contractual requirements of the Request for Quotation. Although for the most part we find the inquiry documents acceptable, our proposal is predicated on the negotiation of a mutually agreeable contract which is consistent with a fully designed, competitively bid, construction project.

Brown & Root appreciates the opportunity to submit this proposal for the No. 2 Cottrell Expansion project at your El Paso plant, and we hope that it is favorably received. If I can be of further assistance to you or if you have any question, please call me.

Very truly yours,

R. G. Nethery

cjg

Attachments

cc: Mr. W. T. Sweat - Salt Lake City, Utah
Mr. P. A. De Santis - El Paso, Texas
Mr. R. O. Covington - El Paso, Texas

ATTACHMENT I

ASARCO INCORPORATED
NO. 2 COTTRELL EXPANSION PROJECT
EL PASO, TEXAS

Having made a careful review of the bid documents and after visiting the site of the work, Brown & Root submits this proposal based upon the following clarifications and qualifications:

1) No provision has been made nor allowance included in our price for the removal, repair or relocation of any underground obstruction not clearly shown on the drawings; nor for any delays or loss of productivity due to such obstructions.

2) Our price is based upon cutting the existing flues and existing conveyors into random lengths and pieces at our discretion to facilitate removal.

3) No provision has been made nor allowance included in our proposal for any specialized requirements stemming from the presence of any asbestos insulation that is to be removed from existing equipment or flues. In the event that asbestos insulation is encountered, all costs incurred for recovery and disposal of the insulation and all costs for special safety and medical considerations will be considered to be a change in the scope of work for the project.

4) Relocation of any existing utility piping, electrical conduit, etc. alongside the existing flues is to be done by others.

5) Our price is based upon the new conveyors being supplied to us in a pre-assembled condition, with minimum field assembly required. All bolt and gasket sets required for installation of the conveyors are to be furnished by the Owner.

6) Our price is based upon utilizing foreign pipe materials at our discretion for the air system piping.

7) The 2-inch main air line tie-in point is to be within 30 feet of building line A-26, or building line W-26.

8) Our price is based upon using a Vogt #12111 valve for the 2-inch air line shutoff valve.

9) Our price is based upon using Crane #36 2-inch check valves.

10) Due to the possible unavailability of Galbestos siding as called for on drawing number EP-32069-907-A, we reserve the right to use 22 gauge Molenco span rib siding sheets, with 3 mil plasticol coating on both sides, at our discretion.

11) Our price is based upon having a minimum of four (4) full 24-hour shutdown days to complete the work associated with the No. 1 Cottrell. We currently plan to work two (2) 12-hour shifts per day during this period.

12) Our price is based upon the Owner providing utility services such as plant air and electricity in sufficient quantities for construction requirements.

13) Our price is based upon providing insulation in accordance with the specifications contained in your Invitation to Bid; however, we currently anticipate that the specified weather proofing will not be sufficient to satisfy the requirements of the expected conditions. We therefore recommend that further consideration be given to the weather proofing requirements.

ATTACHMENT II

January 1, 1982

REIMBURSABLE COST AGREEMENTS
BASIS OF COMPENSATION
AND OTHER TERMS

Brown & Root proposes to perform the construction and related services requested by Client, with compensation to be the reimbursement of costs, plus a percentage fee, as follows:

A. Reimbursable Costs

(1) Salaries and wages at rates set forth in Exhibit A paid for labor and supervision employed in the performance of land operations plus 17 % of the dollar cost thereof to cover reimbursement of workmen's compensation insurance, payroll taxes and the other insurances identified in Exhibit B as Brown & Root furnished.

(2) Salaries and wages at rates set forth in Exhibit A paid for labor and supervision employed in the performance of marine operations plus N/A % of the dollar cost thereof to cover reimbursement of workmen's compensation insurance, payroll taxes and the other insurances identified in Exhibit B as Brown & Root furnished.

(3) Permanent equipment and materials, construction materials and supplies including expendable tools and supplies (See Exhibit C), subcontracts, rental of third party construction equipment, and the transportation of equipment, materials and supplies as well as all other direct job costs, except as otherwise provided, shall be invoiced at 1.05 times the actual cost including all taxes, if applicable.

(4) Brown & Root owned construction equipment employed in the prosecution of the work shall be invoiced at Eighty-Five percent (85 %) of and as provided in the Associated Equipment Distributors' rental schedule current at time of performance of the work plus any Ad Valorem Taxes levied while on this project other than that applicable at the permanent storage yard.

ASARCO ELP 0006951

(5) Other direct job costs incurred or losses sustained by Brown & Root in connection with the work, not compensated by the insurance set forth in Exhibit B, provided they have resulted from causes other than the personal fault or neglect of Brown & Root's corporate officer responsible for the work as a whole.

B. Brown & Root's Fee

Brown & Root's fee shall be Nineteen and One-Half percent (19½ %) of the costs reimbursable in Item A (1) and/or A (2) and covers the following elements:

(1) Supervision above the grade of project superintendent, non-expendable workmen's supplies, general facilities at home office, employer's portion of life and hospitalization insurance, vacation pay for qualified personnel, and employees' retirement and savings benefits.

(2) Losses and expenses due to personal fault or neglect of Brown & Root's corporate officer responsible for the work as a whole.

(3) Allowance for non-expendable small tools, such tools being defined as units of value not exceeding $300.00 per tool.

(4) General administrative and home office overhead costs and profit.

C. Miscellaneous Terms

(1) Brown & Root's warranty for its workmanship is limited to the correction of defects called to its attention within one year from completion of the work, with its liability for machinery, equipment or other products manufactured by others being limited to assignment to Client of the supplier's warranty and cooperation with Client in the enforcement of same. All such costs are subject to the provisions of A (5).

(2) Insurance and indemnity provisions applicable to the work are set forth in Exhibit B.

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(3) In no event shall Brown & Root be liable to Client for loss of use or product or other consequential damages.

(4) Payment of approved items on each invoice is due ten (10) days after presentation, with progress billings to be made not less often than monthly, without retainage. All trade discounts are to be credited to Client, while any cash discounts may be retained by Brown & Root.

(5) The normal work week for Brown & Root employees consists of five (5) nine (9) hour days, Monday through Friday. For all time over forty (40) hours per week, an employee is paid 1.5 times his basic hourly rate with such rate applying regardless of where prior time may have been worked as long as it was for Brown & Root. "Show-up" time is two (2) hours in accordance with Contractor's Standard Policy payable only if employee reports for work.

(6) Job clerks will be assigned to the project full time, if required, or a prorata portion will be charged as mutually agreed.

EXHIBIT A

BROWN & ROOT, INC.
MANUFACTURING & PROCESS PLANTS CONSTRUCTION DIVISION
CONSTRUCTION WAGE RATES
JULY 4, 1982

CLASSIFICATION	HOURLY RATE
Boilermaker	12.50
Brickmason	12.80
Carpenter	12.25
Cement Finisher	12.25
Electrician	12.50
Instrument Fitter	12.50
Insulator	12.35
Ironworker - Reinforcing	12.25
Ironworker - Structural	12.35
Laborer - Common	5.10 - 6.95
Laborer - Semi-skilled	5.70 - 7.70
Mechanic - Heavy Duty	12.25
Millwright	12.50
Oiler	7.10 - 8.50
Operator - Heavy	12.35
Operator - Light	11.40
Painter - Spray	12.25
Painter - Brush	11.90
Pipefitter	12.50
Rigger	12.35
Truck Driver - Heavy	10.35
Truck Driver - Light	9.45
Welder - Pipe	12.50
Welder - Structural	12.35
Helper - Grade I	9.05 -10.80
Helper - Grade II	7.15 - 9.00
Helper - Grade III	Open - 7.10
Party Chief	10.15-14.45
Instrument Man	8.75 -12.50
Rodman - Chainman	7.55 -10.80
Laborer Foreman	7.60 -12.25
Laborer General Foreman	.80 - 1.30 Above Laborer Foreman
Leaderman	.40 - .90 Above Journeyman Rate
Foreman	.80 - 1.30 Above Journeyman Rate
General Foreman	1.35 - 1.85 Above Journeyman Rate

Rates for classification not listed to be mutually agreed upon.

The listed rates are subject to review and adjustment consistent with area practice.

EXHIBIT B

INSURANCE AND INDEMNITIES

A. Brown & Root - Provided Insurances

(1) Workmen's Compensation Insurance: Statutory.

(2) Employer's Liability Insurance: Limitations ... $100,000.

(3) Comprehensive General Liability Insurance: Limitations, Bodily Injury ... $100,000/300,000; Property Damage ... $100,000 with endorsement to cover, subject to policy provisions, that liability assumed by indemnity clause.

(4) Comprehensive Automotive Liability Insurance: Limitations, Bodily Injury ... $100,000/$300,000; and Property Damage ... $100,000.

Should marine operations be involved, paragraph (2) above shall include the following additional coverages:

(a) U.S. Longshoreman's & Harbor Worker's Compensation Act
(b) Outer Continental Shelf Act
(c) Voluntary Maritime Compensation Endorsement, including transportation, maintenance, wages and cure.
(d) The policy is also endorsed to provide protecton for In Rem actions.

Brown & Root will provide special additional insurance, if requested by Client, with reimbursement of premium at invoiced cost.

B. Brown & Root's Indemnity

Brown & Root shall indemnify and hold harmless the Owner from all third party claims resulting from Contractor's performance of the work, provided that any such claim (1) is attributable to bodily injury or to damage to tangible property (other than the work itself or Client's existing facilities which are covered as indicated in Item C below) and (2) is caused in whole or in part by the negligent act or omission of Brown & Root, or anyone employed by it, except to the extent it is caused by the Client or his employees.

The foregoing indemnity is limited to (1) the insurance coverages and amounts set forth in Section A, and (2) accidents occurring during the performance of the work.

C. Coordination of Insurances with Client

Agreements arising out of this proposal are based on the Client's having complete insurance coverage against all loss of (including loss of use) or damage to the work and Client's existing facilities. Where Client does not have such coverages, it is assumed that Client will self-insure such risks or have Brown & Root obtain such insurances as special additional insurance as mentioned in the last sentence of A above. In any such case of insurance or self-insurance, Brown & Root will be co-insured.

D. Subrogation Waivers

The insurances set forth above as well as any others (whether of Brown & Root or Client) relating in any way to the work undertaken shall contain mutual waivers of subrogation.

ASARCO ELP 0006956

EXHIBIT C

LIST OF REIMBURSABLE EXPENDABLE MATERIALS, SUPPLIES AND TOOLS

This is a list of expendable construction materials, operating supplies and tools. Items not appearing on this list which are generally accepted as expendable shall be considered a part of this list.

"Expendable" items are defined as materials, supplies and tools used to aid in the construction of a facility but which do not become a permanent part thereof.

Anti-Freeze
Benches
Barrels - Trash, Water
Barricades
Batteries
Blades - Hacksaw, Power Saw
Boards - Scaffold
Bolts - Construction
Boni-Ami
Boots - Rubber
Bricks - Rubbing
Brooms
Brushes - Wire, Paint, Water
Burlap
Cable Clips
Cable Wire
Carborundum Stones
Chalk
Chalk Line
Chisels
Clamps - Cable "C" Form
Cleaning Equipment
    Brooms
    Mops
    Fluid
Cloth - Emergy, Sandpaper
Conduit Pulls
Coolers - Drinking
Crayons
Cups - Drinking, Paper
Dope-Pipe, Thread, Gasket
Dies
    Pipe
    Bolt
Drills - Star
Drill Bits - Wood, Steel, Rock
Electric Wire & Fixtures (Temporary)
Extension Cords
Files
    Iron
    Steel
    Wool
    Rasp
Filter Packs
Fire Extinguishers & Charges
First Aid Supplies
Fuses
Flares
Garden Rakes
Garden Hose
Gas Masks
Gasoline
Gloves - Rubber Dipped Canvas
Goggles - Safety
Grease
Grinding Wheels
Handles
    Shovels
    Hammer
    Pick
Hoes
    Garden
    Mortar
Hoods - Sand Blast
Hose - Water, Air, Steam, Paint
    Sand Blast
Hose Clamps
Ice
Ice Boxes
Kerosene
Ladders - Step
Lenses
    Goggle
    Welders Hoods
Light Bulbs
Lowering in Belts (Pipe Carrying)
Lumber
    Protection of Materials
    Protection of Property
    Runways - Platforms
    Shoring
    Survey Stakes
    Concrete Forms
    Sheds
    Nails
Nozzles - Sand Blast

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LIST OF REIMBURSABLE EXPENDABLE MATERIALS, SUPPLIES AND TOOLS - Continued

- Oils
  - Diesel - Construction Equip.
  - Lubricating
  - Pipe Cutting
  - Paint, Etc.
- Oil Filters and Cartridges
- Oil Cans
- Padlocks
- Pails - Buckets, Cans
- Paper
  - Kraft Paper
  - Protection of Materials
  - Protection of Concrete
  - Tar Paper
  - Toilet Paper
  - Paper Towels
- Pig Tails
- Pipe Tools
  - Cutter Wheels
  - Dies
- Pins - Flange, Structural Steel
- Punches
- Rags - Wiping
- Raincoats & Rain Suits
- Respirators
- Rollers - Pipe
- Rope
- Rulers - Pocket
- Salt & Dispensers
- Signs
- Skids
  - Steel
  - Wood
- Soap
- Soapstone
- Solder
- Screws
- Switches
- Tape
  - Friction
  - Measuring
  - Rubber
  - Fish
- Tarpaulins
- Thermometers
- Tie Wire
- Tips for Welding & Cutting Torches
- Tip Drills
- Twine
- Water - Bottled
- Waste-Cotton
- Welding Hose
- Welding Supplies
  - Acetylene
  - Carbide
  - Flux
  - Oxygen
  - Welding Rods, Electrodes
  - Lighters & Flints
  - Helpers Hoods & Goggles
  - Electrode Holders
  - Electric Welding Leads (Cable)
- Wire - Piano
  - Boomers
  - Load Chains
  - Blocks

ASARCO ELP 0006958

BROWN & ROOT EXHIBIT D

MANUFACTURING & PROCESS PLANTS
CONSTRUCTION DIVISION

CENTRALIZED SERVICES

The Manufacturing & Process Plants Construction Division maintains a central services organization for the purpose of providing services to projects for the delivery of equipment (within certain weight limits), materials, supplies and tools, and fuel and grease units for servicing construction equipment. Any project may request these service as their needs dictate.

Rates quoted below are fully operated and maintained and include all taxes, insurance, fringe benefits, and applicable overhead including meals and lodging for out of town deliveries. Permits, when applicable, will be reimbursable at cost. These rates are subject to periodic review and adjustment consistent with area practice.

TRANSPORTATION AND DELIVERY SERVICE RATES

A.	Lowboy	
	Local (inside 50 miles radius of Houston)	$35.00/HR.
	Out of Town (outside 50 mile radius)	$42.00/HR.
B.	Flatbed	
	Local (inside 50 mile radius of Houston)	$25.00/HR.
	Out of Town (outside 50 mile radius)	$30.00/HR.
C.	Fuel and Grease Unit (for local use only)	$25.00/HR.
D.	Pickup and Delivery (for local use only)	$16.00/HR
E.	Labor only	$12.00/HR.

Effective Date: June 27, 1982

April 1982

1982 AED RENTAL RATES

(From "33rd Rental Compilation")

TYPE	DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
TRACTORS	LOADERS - PNEUMATIC				
	Ford 3000 & 3600	$ 879.00	$ *	$ *	**
	MF-20	805.00	*	*	**
	Cat 920 - 1½ Yd.	2,504.00	840.00	251.00	50
	Cat 950	4,055.00	1,345.00	407.00	50
	Cat 980B - 4½ Yd.	7,169.00	2,345.00	598.00	50
	Case 1845	1,309.00	470.00	136.00	49
	Cat 966C - 3½ Yd.	5,593.00	1,874.00	573.00	50
	LOADER-HOE - PNEUMATIC				
	MF-40	1,588.00	512.00	157.00	48
	MF-50C & Case 580C	1,502.00	473.00	173.00	48
	JD 444	2,504.00	840.00	251.00	50
	MF-60 - 1¼ Yd.	2,100.00	710.00	*	48
	Case 580D	1,880.00	625.00	*	48
	DOZERS - CRAWLER				
	Case 450	1,841.00	609.00	*	47
	Cat D-3	2,315.00	763.00	*	47
	D-4D	2,315.00	763.00	*	47
	D-5 LGP	3,701.00	1,223.00	*	47
	D-6 (Series C & D)	4,913.00	1,530.00	*	47
	D-6 w/Winch	5,991.00	*	*	**
	D-7 (Series G)	7,239.00	2,304.00	*	47
	D-7G w/Winch	8,453.00	*	*	**
	D-8K	10,008.00	*	*	47
	D-8 w/Winch	10,260.00	*	*	**
	D-9H	12,138.00	4,060.00	*	47
	LOADERS - CRAWLER				
	Cat 941B - 1½ Yd.	3,146.00	1,075.00	340.00	47
	Cat 955L - 2 Yd.	4,055.00	1,307.00	396.00	47
	Cat 977L - 2-3/4 Yd.	6,208.00	*	*	47
	SIDEBOOMS - CRAWLER				
	JD 450C w/Winch	2,671.00	*	*	**
	Cat 561	3,898.00	*	*	**

TYPE	DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
DITCHING MACHINES					
	Trenchers - Inclined chain boom type are listed on Page 63 of AED Book. Please consult Book for specific machine required according to HP., weight, depth, and width of machine cut.				
CRANES & DRAGLINES					
	CRAWLERS - DIESEL				
	41 & LS-78 - 1 Yd. - 15 Ton	$ 2,417.00	$ 713.00	$ *	24
	6 - 1½ Yd. - 25 Ton	5,334.00	1,850.00	*	24
	95 WT - 3 Yd. - 60 Ton	7,539.00	*	*	**
	50D & LS-118 - 50-60 Ton	6,955.00	2,510.00	*	22
	70D - 80 Ton	7,305.00	3,221.00	*	22
	3900, LS-338 & LS-418 - 100 Ton	8,180.00	*		22
	4000, 3900W & LS-518 - 150 Ton	14,540.00	*	*	22
	4100 - 200 Ton	16,980.00	*	*	22
	4100-S2 & 4600-S3 - 230-240 Ton	16,980.00	*	*	22
	4600-S4 - 350 Ton	36,145.00	11,930.00	2,865.00	***
	Manitowoc 6000, Ringers & Tower Attachments not listed in AED Schedules or Blue Book. Rates on request.				
	TRUCK MOUNTED - DIESEL				
	650TC - 50 Ton	5,563.00	*	*	22
	60T - 60 Ton	6,346.00	2,131.00	*	22
	2900T - 70 Ton	7,546.00	2,721.00	*	22
	P&H 790 & HC218 - 82 - 90 Ton	7,546.00	2,721.00	*	22
	P&H T750 - 75 Ton Hydraulic	6,806.00	2,008.00	*	23
	HYDRAULIC BACKHOE - DIESEL				
	Bantam 166 - 3/4 Yd.	3,808.00	1,264.00	387.00	25
	Cat 225 - 1-3/8 Yd.	5,245.00	1,737.00	545.00	25
	Cat 235 - 2 Yd.	8,159.00	*	*	25
	Cat 245 - 3 Yd.	11,783.00	3,849.00	*	25
	CHERRY PICKERS - HYDRAULIC				
	Broderson 1C7C1A - 6 Ton Gas	1,715.00	574.00	202.00	23
	Drott 85RM2 & Broderson 1C70IA- (5 to 8 Ton Diesel)	1,898.00	662.00	234.00	24
	Galion 150 A&F - 15 Ton	2,804.00	889.00	297.00	24
	Grove RT-65S - 35 Ton	4,692.00	1,727.00	538.00	24
	Badger 4445 & Grove RT-75S (45 - 50 Ton)	5,429.00	1,787.00	559.00	24
	Basket Lift-36'- 42'	2,057.00	689.00	240.00	31
	Basket Lift - 46' - 50'	2,547.00	838.00	280.00	31
	Basket Lift - 60' - 66'	3,383.00	1,167.00	409.00	31

TYPE	DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
PUMPS	CENTRIFUGAL - HOSE NOT INCLUDED (Consult Page 40 for Hose Rates)				
	4" Gas	$ 382.00	$ 134.00	$ 45.00	38
	4" Diesel	603.00	202.00	67.50	38
	6" Diesel	857.00	293.00	94.50	38
	8" Diesel	1,234.00	430.00	131.00	38
	10" - 200 Barnes	1,538.00	538.00	175.00	38
	12" - 1211 Klein	3,095.00	*	*	**
ASPHALT & CONCRETE EQUIPMENT					
	MIXERS				
	11-S (11 cu. ft.)	1,200.00	430.00	140.00	***
	16-S (16 cu. ft.)	1,390.00	500.00	160.00	***
	Pulvi Mixer - Bros LSPRM8	5,017.00	1,678.00	650.00	60
	SPREADERS				
	Barber Green SA-41	7,532.00	*	*	56
	Blaw-Knox PF-65	7,377.00	2,150.00	*	56
	Barber Green SB140	7,377.00	2,150.00	*	56
ROLLERS & BROOMS					
	BROOMS				
	Self Propelled	1,300.00	388.00	138.00	54
	SHEEPFOOT ROLLERS				
	Single Drum - Small	433.00	147.00	56.25	12
	Double Drum - Small	535.00	193.00	69.75	12
	Double Drum - Large	811.00	268.00	87.00	13
	Single Drum - Large	811.00	268.00	87.00	13
	COMPACTORS				
	Cat 815	4,884.00	1,471.00	503.00	12
	VIBRATORY COMPACTORS				
	I-R SP-42 - Diesel	2,288.00	*	*	14
	I-R SP-54, SP-56DD & Dyna-Pac CA25PD - Diesel	3,083.00	960.00	326.00	14
	STEEL ROLLERS				
	4-6 Ton Tandem (Gas)	895.00	306.00	94.25	11
	8-12 Ton Tandem (Diesel)	1,873.00	626.00	211.00	12
	8-10 Ton 3-Wheel (Diesel)	720.00	*	*	**
	12 Ton 3-Wheel	1,443.00	*	*	**

TYPE	DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
ROLLERS & BROOMS (CONTD.)					
	PNEUMATIC ROLLERS				
	12 Ton Gas - 9-Wheel	$ 1,331.00	$ 449.00	$ 154.00	10
	12 Ton Diesel - 9-Wheel	1,437.00	473.00	157.00	11
	25-30 Ton Diesel - 11-Wheel	2,825.00	893.00	280.00	11
WELDING EQUIPMENT					
	300 Amp Electric	177.00	64.25	21.50	64
	200 Amp Gas	307.00	114.00	35.75	64
	250 & 300 Amp Diesel	397.00	151.00	51.00	64
	8-Bank Welder	756.00	*	*	**
GENERATOR SETS & SAWS					
	40 KW	857.00	282.00	97.00	58
	50 KW	964.00	327.00	133.00	58
	60 KW	1,203.00	398.00	140.00	58
	75 KW	1,203.00	398.00	140.00	58
	100 KW	1,393.00	481.00	188.00	58
	135 KW	1,669.00	548.00	191.00	58
	250 KW	2,592.00	880.00	333.00	58
	Concrete Saw - 36 HP (No Blade)	565.00	204.00	64.00	19
AIR COMPRESSORS					
	85 CFM - Gas	315.00	109.00	34.25	2
	100 CFM - Diesel - Silenced	406.00	*	*	**
	125 CFM - Gas	377.00	130.00	40.25	2
	160 CFM - Gas	455.00	158.00	50.75	2
	160 CFM - Diesel	492.00	172.00	54.00	2
	175 CFM - Diesel - Silenced	497.00	170.00	55.00	3
	250 CFM - Diesel	746.00	253.00	82.75	2
	335 CFM - Diesel - Silenced	983.00	328.00	110.00	3
	365 CFM - Diesel	933.00	326.00	113.00	2
	375 CFM - Diesel	1,017.00	356.00	114.00	2
	600 CFM - Diesel	1,345.00	477.00	153.00	2
	700 CFM - Diesel	1,554.00	529.00	177.00	2
	700 CFM - Diesel - Silenced	1,390.00	*	*	3
	750 CFM - Diesel	1,609.00	568.00	182.00	2
	900 CFM - Diesel	1,901.00	639.00	212.00	2
	1400 CFM - Diesel - Silenced	3,567.00	*	*	**
	250 CFM - Electric	601.00	223.00	*	4
	600 CFM - Electric	1,529.00	531.00	*	4
MAINTAINERS					
	JD-570A	3,771.00	*	*	59
	Cat 12G, 130G, & 140G	4,386.00	1,203.00	358.00	59
	Cat 14G	6,325.00	*	*	59
	Cat 16G	8,830.00	*	*	59

TYPE	DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
SCRAPERS & REAR DUMP TRUCKS					
	15 Yd. Towed	$ 1,961.00	$ *	$ *	**
	Cat 613	4,827.00	1,574.00	467.00	51
	Cat 621B	10,988.00	*	*	**
	Terex TS-24	18,131.00	5,585.00	*	51
	Terex TS-18	11,737.00	*	*	51
	Int'l. 350 Rear Dump	14,281.00	*	*	51
GRADALLS					
	G-660 Truck	6,068.00	*	*	26
	G-660 Crawler	5,241.00	1,515.00	*	25
	G-880 Crawler	6,148.00	*	*	25
MAGNETIC SWEEPERS		1,725.00	*	*	**
TRAILERS					
	Float Trailer 40/60 Stretch	654.00	*	*	**
	Float Trailer 40 Ft.	445.00	*	*	**
	Lowboy Trailer	1,754.00	*	*	**
	Pole Trailer	217.00	*	*	**
TRUCKS					
	Transport - Diesel Tandem	2,916.00	*	*	**
	Transport - Diesel Single	2,117.00	*	*	**
	Transport - Gas Single	1,210.00	*	*	**
	Flatbed & Flatbed Dumps (F-600)	778.00	*	*	**
	Flatbed & Flatbed Dumps (F-700 & F-800)	1,294.00	*	*	**
	Winch Truck	794.00	*	*	**
	Winch Truck (Crew Cab)	853.00	*	*	**
	Distributors	1,557.00	*	*	**
	Dump Truck - Small (6 to 8 Yd.)	1,330.00	*	*	**
	Dump Truck - Large (12 to 14 Yd.)	2,465.00	*	*	**
	Service Truck	1,330.00	*	*	**
	Water Truck (F-600)	801.00	*	*	**
	Water Truck (F-700)	851.00	*	*	**
	Bus	763.00	*	*	**
	Stakebed Truck (F-350)	589.00	*	*	**
	Welding Truck (F-350)	589.00	*	*	**
PICKUPS					
	1/2 Ton (F-100)	368.00	*	*	**
	5/8 Ton (F-150)	398.00	*	*	**
	3/4 Ton (F-250)	456.00	*	*	**
	Crew Cab	456.00	*	*	**
	4-Wheel Drive	520.00	*	*	**
	Club Wagon	604.00	*	*	**
	Scooters	242.00	*	*	**

TYPE DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
PILEDRIVING EQUIPMENT				
Hairpin :	$ 289.00	$ *	$ *	**
Steam Hammer - #7	1,100.00	447.00	*	34
Diesel Hammer - D-12 & D-15	2,245.00	912.00	*	34
Diesel Hammer - D-22	3,508.00	1,521.00	*	34
Diesel Hammer 520	2,875.00	1,150.00	*	34
MKT Vibratory Hammer V-16	9,850.00	4,267.00	*	35
Extractor - 400 & E-4	1,356.00	436.00	*	34
Extractor - MKT V-14	8,400.00	3,713.00	*	35
Steam Hammer MKT - 10 B3	1,836.00	814.00	*	34
NOTE: Hammer Rates Do Not Include Leads & Helmets.				
HOISTS				
2-8,000 # - 1, 2, & 3 Drum	1,304.00	*	*	**
8-11,000 # - 1 & 2 Drum	1,348.00	*	*	**
8-11,000 # - 3 Drum	1,740.00	*	*	**
11-15,000 # - 1 & 2 Drum	2,346.00	*	*	**
11-15,000 # - 3 Drum	3,051.00	*	*	**
FORKLIFTS (YARD TYPE) CONSTRUCTION				
3,000#	776.00	278.00	81.00	56
4,000#	878.00	290.00	93.00	56
5,000#	950.00	327.00	101.00	56
6,000#	1,112.00	396.00	126.00	56
8,000#	1,138.00	402.00	127.00	56
10,000#	1,210.00	*	*	56
12,500#	1,410.00	*	*	**
16,500#	2,014.00	*	*	**
20,000#	2,137.00	*	*	**
(HIGH LIFT TYPE)				
4,000#	1,560.00	540.00	165.00	61
6,000#	2,234.00	734.00	228.00	61
8,000#	2,636.00	844.00	256.00	61
AUTOMOBILES				
Sedan - Light (Ford)	408.00	*	*	**
Sedan - Heavy (Olds)	544.00	*	*	**
Station Wagon	444.00	*	*	**

NOTE: Automotive unit rates are based on Brown & Root, Inc. standard units. Special units or units equipped above standard to be negotiated as issued. Rates include license, insurance, major repairs, and no mileage.

TYPE	DESCRIPTION	MONTHLY RATE	WEEKLY RATE	DAILY RATE	PAGE REF.
BUCKETS	CLAMSHELL				
	3/4 Yd.	$ 384.00	$ 132.00	$ 42.25	26
	1 Yd.	413.00	136.00	46.50	26
	1-1/4 Yd.	485.00	*	*	26
	1-1/2 Yd.	503.00	158.00	58.25	26
	2 Yd.	636.00	198.00	63.00	26
	2-1/2 Yd.	768.00	231.00	80.25	26
	3 Yd.	908.00	273.00	99.00	26
	DRAGLINE				
	3/4 Yd.	262.00	92.00	31.25	26
	1 Yd.	313.00	110.00	37.75	26
	1-1/4 Yd.	355.00	128.00	42.00	26
	1-1/2 Yd.	355.00	128.00	42.00	26
	2 Yd.	450.00	160.00	49.25	26
	2-1/2 Yd.	564.00	189.00	63.25	26
	3 Yd.	639.00	209.00	77.50	26
	CONCRETE - BOTTOM DUMP				
	1/2 Yd.	149.00	53.00	19.00	16
	3/4 Yd.	176.00	62.00	22.25	16
	1 Yd.	205.00	73.75	27.50	16
	1-1/2 Yd.	248.00	84.50	31.50	16
	2 Yd.	290.00	98.00	41.25	16

KEY

* Insufficient Information Available
** Rate arrived through Brown & Root calculation.
*** Rate compiled from "Blue Book Rental Rates for Construction Equipment". These rates not adjusted for area of operation.

CENTRAL ENGINEERING DEPT.
DESIGN SECTION

Salt Lake City, Utah
April 14, 1983

Mr. W. T. Sweat
Salt Lake Office

EA-54-EP, N.Y. 5720, PLANT 687
EL PASO PLANT
#2 COTTRELL EXPANSION
ENGINEERING PROGRESS REPORT NO. 4
FILE 6.6

The attached report outlines the status of the referenced work as of April 14, 1983.

A. O. MARSH JR.

AOM:pr
Attach.
cc: P.A. DeSantis w/attach.
Carl Glaser "

CENTRAL ENGINEERING DEPT.
DESIGN SECTION

Salt Lake City, Utah
April 14, 1983

Mr. A. O. Marsh, Jr.
Salt Lake Office

EA-54-EP, N.Y. 5720, PLANT 687
EL PASO PLANT
#2 COTTRELL EXPANSION
ENG. PROGRESS REPORT NO. 4

Attached is the monthly Progress Report for engineering work accomplished on the above project.

RICHARD R. JENSEN
Project Engineer

RRJ:pr

Attach.