

Acme Coke  
11236 S. Torrence Ave.  
Chicago IL 60617



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#2 Chimney Repair

Dated: 1994

**ACME STEEL COMPANY**  
**PROJECT EXPENDITURE AUTHORIZATION SUMMARY**

<input checked="" type="checkbox"/> MAJOR REPAIR PROJECT	<input type="checkbox"/> RESEARCH AND DEVELOPMENT PROJECT	<input type="checkbox"/> ENGINEERING PROJECT	<input type="checkbox"/> SPECIAL PROJECT	TEMP. NO.
PLANT Iron and Coke Operations - Chicago		DEPARTMENT OR COST CENTER C-2920		PROJECT NO.
PROJECT TITLE Repair No. 2 Coke Oven Battery Stack				ITEM NO.-ANNUAL PROFIT PLAN \$105,000
ESTIMATED COMPLETION TIME (NO. OF MOS. FROM FINAL APPROVAL)      3			PROJECT SPONSOR J. Garzella	

**PROJECT DESCRIPTION** This project provides for the repair of the 1957-vintage exhaust stack on the Chicago Coke Plant's No. 2 coke oven battery. The two coke oven batteries are each equipped with a 250 foot high exhaust stack. Each stack consists of separate free-standing inner and outer chimneys separated by an air space that varies from 17 inches at the box to 4 1/2 inches at the top of the structures. The air space serves as a cooling medium for the inner chimney. During a 1991 inspection, it was determined that the southwest face of the inner chimney was tilting to such an extent that its steel cap was beginning to abut to the outer chimney. If left uncorrected, the brickwork in the inner chimney would soon begin to crumble. Additionally, it was determined that the steel cap and a steel service catwalk along the outer chimney were badly deteriorated. The catwalk, which is located near the top of the outer chimney, provides access to service aviation warning lights. The proposed scope of work entails the removal of the upper 14 feet of both chimneys followed by the rebuilding of five feet on each structure. Also included is the replacement of the steel cap and catwalk. Additionally, loose concrete on open pour joints on approximately 200

**EXPENDITURE REQUIRED** linear feet of the outer chimney will be cleaned and repaired as required.

Company Labor - Engineering or R & D	\$	
- Other		
Purchases - Equipment		
- Material & Supplies		
Contract		85,500
Other (Specify) - Contingency		5,000
	\$	90,500

**JUSTIFICATION**

Justification of this expenditure lies in the need to restore the structural integrity of No. 2 coke oven gas stack in order to protect the operation of No. 2 coke oven battery. Although the exact cause of the damage is undeterminable, possible contributing factors include the age of the structures, lightning strikes, and the unavoidable movement of the outer chimney due to winds. Acme engineering has calculated that the shortening of the stack will only reduce its venting capacity by 5%. It should be noted that the exhaust stack on No. 1 coke oven battery had sustained similar damage and is in the process of being repaired (RI-3488).

TITLE	APPROVED BY SIGNATURE	DATE
1. President and COO		
2. Treasurer		
3. Chairman and CEO		
4.		
5.		
6.		
7.		

PLANT

Iron and Coke Operations - Chicago

PROJECT TITLE

Repair No. 2 Coke Oven Battery Stack

REVIEWED BY

SIGNATURE

DATE

OPTIONAL

*Original*

*A.S. Schmitt*  
*J.H. Fitts*

*4-26-94*

*9/26/94*

*J. Bayell*

*4/26/94*

Vice President - Operations

REQUIRED (WHERE APPROPRIATE)

**EXPENDITURE AUTHORIZATION  
SCHEDULE F**

**CALCULATION OF EXPENDITURE REQUIRED  
AND EXPENDITURE PAYOUT PERIOD**

PROJECT NO.
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PROJECT TITLE		PLANT			
Repair No. 2 Coke Oven Battery Stack		Iron and Coke Operations - Chicago			
SUB-ACCOUNT NUMBER	CHECK DIGIT NUMBER *	DESCRIPTION	EXPENDITURE AMOUNT		ACCOUNT DISTRIBUTION
			CAPITAL	EXPENSE	
100		Repair Stack		\$85,500(1)	C-2920-3620
950		Contingency		<u>5,000</u>	C-2920-3620
			TOTAL	<u>\$90,500</u>	

(1) Based on a quotation from Industrial Stack and Tower, Inc. dated April 12, 1994, for \$85,450 (International Chimney Corp. quoted \$148,830 on June 13, 1993. Research-Cottrell Custodis quoted \$162,500 on July 7, 1993.)

**EXPENDITURE PAYOUT PERIOD**



# Industrial Stack & Tower, Inc.

P.O. Box 448  
Hebron, IN 46341  
Inspections - Repairs - Demolitions

April 12, 1994

Proposal No. 940401

Mr. J.R. Hickman  
Acme Steel Company  
10730 Burley Ave.  
Chicago, IL 60617

Reference: Specifications No. 3004  
Attention: Mr. Jim Bitner

Dear Mr. Hickman:

Industrial Stack & Tower, Inc. (IS&T) proposes to furnish labor, material, equipment, tools and supervision to complete the repairs outlined in Specifications No. 3004. In addition to these specifications, we will furnish a prefabricated, hot-dipped galvanized catwalk and two (2) new aircraft warning lights with brackets. The catwalk has corroded and would cost more to repair than replace with a new, hot-dipped galvanized catwalk. The aircraft warning lights are both still functioning, but the bolts are frozen due to corrosion and the brackets are badly corroded.

IS&T also proposes to cut out the pour joint cracks and patch all holes with the recommended product before waterproofing the exterior.

This project would be completed for the sum of:

**Eighty-five Thousand Four Hundred Fifty Dollars (\$85,450.00).**

IS&T is fully insured and will provide a certificate of insurance if requested.

Our price is based on a working schedule of five (5) eight (8) hour days, Monday through Friday, during normal working hours. Our terms are Net Thirty (30) Days.

We thank you for the opportunity to bid on the above referenced work and are looking forward to serving your needs. Please call if you have any further questions.

Respectfully yours,

Richard D. Kreis  
President

PROPOSAL

**BIDDER** International Chimney Corporation  
 Bidder's Proposal No. CG-26656-G Date 6/13/93  
 RE: II Inquiry No. 3004 Date 6/7/93

The following proposal is hereby made to:

**Acme Steel Company**  
 10730 Burley Avenue  
 Chicago, IL 60617

1.00 The Undersigned hereby proposes and agrees to furnish all the necessary labor, materials, equipment, tools, supplies and services necessary for repairing No. 2 Coke Battery Stack

at the Chicago Coke Plant all in accordance with Specification No. II 3004 dated June 7, 1993 for the stipulated amount of \$ \_\_\_\_\_ based on straight time labor.

2.00 The Undersigned agrees to start field work within 15 calendar days after receipt of order and to proceed continuously to completion in 40 calendar days.

3.00 The Undersigned agrees to furnish adequate, competent supervision on the job to insure expeditious progress and proper workmanship commensurate with the Contractor's responsibilities as outlined in the Specification.

4.00 The proposed Contract Price includes all taxes and working permits. An account breakdown is as follows:

<u>2.01 to 2.31 Repair Stack</u>	<u>\$ 128,980.00</u>
<u>2.32 Patch and Seal</u>	<u>19,850.00</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
TOTAL	<u>\$ 148,830.00</u>



# Research-Cottrell

Custodis

July 7, 1993  
File 2-16985

Acme Steel Company  
10730 Burley Avenue  
Chicago, Illinois 60617

Attention: ~~Mr. Jim Bitner~~ *JOHN HICKMAN*

Re: No. 1 Coke Battery Stack  
Inquiry No. 21-62-91  
(Revised Per Verbal 6/30/93)

Dear Mr. Bitner:

We have reviewed our previous quotation of November 15, 1991 and included the additional 10 feet of chimney and lining removal. The proposed work is in accordance with Specification II 4327 (10/29/91) Items 1.00 through 4.00.

Our pricing is as follows:

1. Base Bid - Paragraphs 1.00 through 2.31	Lump Sum	\$149,900.00	} 162,500
2. Alternate #1	Lump Sum	\$ 8,700.00	
3. Alternate #2	Lump Sum	\$ 3,900.00	

Since there is no schedule mentioned in the specification, we have made the assumption that this work could be performed on a regular work week basis during the months of October through April.

Included with this proposal letter are our Standard Conditions of Sale.

If you have any questions, please contact the writer or Mr. Frank Stray at 708/775-1122.

Yours very truly,

CUSTODIS-COTTRELL, INC.

*Harvey Haverluck*  
SALES ENGINEER

HH:cjm

Enc.

cc: F. Stray

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