

**PROPOSAL TO THE ASHTABULA COUNTY PORT AUTHORITY
FOR THE C-PLANT OUTFALL IMPROVEMENTS**

Kokosing Industrial

Robinson Construction Co.

BASE BID

REF. NO.	DESCRIPTION	ESTIMATED QUANTITY	MEASURE UNIT	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
1	MOBILIZATION	1	L.S.	\$ 675,000	\$ -	-----	\$ 675,000	\$ 800,000	\$ 100,000	-----	\$ 900,000
2	BONDS AND INSURANCES	1	L.S.	\$ -	\$ 60,000	-----	\$ 60,000	\$ -	\$ 242,000	-----	\$ 242,000
3	PRECONSTRUCTION VIDEO DOCUMENTATION	1	L.S.	\$ 3,500	\$ -	-----	\$ 3,500	\$ 18,000	\$ 2,000	-----	\$ 20,000
4	DEMOLITION OF TANKS, PIPING AND APPURTENANCES IN DROP STRUCTURE ROOM	1	L.S.	\$ 300,000	\$ -	-----	\$ 300,000	\$ 54,000	\$ 1,000	-----	\$ 55,000
5	EXPLORATORY EXCAVATION	1	EA	\$ 4,400	\$ -	\$ 4,400	\$ 4,400	\$ 10,000	\$ -	\$ 10,000	\$ 10,000
6	CONNECTION TO EXISTING 18-INCH PIPE	2	EA	\$ 6,223	\$ 5,878	\$ 12,101	\$ 24,202	\$ 9,000	\$ 6,000	\$ 15,000	\$ 30,000
7	18-INCH DR 17 HDPE, EFFLUENT DISCHARGE PIPELINE	3,000	L.F.	\$ 82	\$ 44	\$ 126	\$ 378,000	\$ 70	\$ 60	\$ 130	\$ 390,000
8	AIR VALVE MANHOLE	1	EA	\$ 7,268	\$ 8,731	\$ 15,999	\$ 15,999	\$ 10,000	\$ 10,000	\$ 20,000	\$ 20,000
9	(NOT USED)										
10	(NOT USED)										
11	(NOT USED)										
12	(NOT USED)										
13	PIG RETRIEVAL STATION / AERIAL PIPE ON SUPPORTS (18-INCH)	1	L.S.	\$ 264,242	\$ 85,758	-----	\$ 350,000	\$ 100,000	\$ 69,000	-----	\$ 169,000
14	PROCESS PIPING AND EQUIPMENT C-PLANT	1	L.S.	\$ 745,000	\$ 762,000	-----	\$ 1,507,000	\$ 545,000	\$ 450,000	-----	\$ 995,000
15	REMOVAL OF DEBRIS FROM INTAKE CHAMBER	60	C.Y.	\$ 500	\$ -	\$ 500	\$ 30,000	\$ 1,050	\$ -	\$ 1,050	\$ 63,000
16	ELECTRICAL	1	L.S.	\$ 70,000	\$ -	-----	\$ 70,000	\$ 28,000	\$ 36,000	\$ 64,000	\$ 64,000
17	WEST CRIB CLEANING	1	EA	\$ 30,000	\$ -	\$ 30,000	\$ 30,000	\$ 32,000	\$ -	\$ 32,000	\$ 32,000
18	EAST CRIB CLEANING	1	EA	\$ 30,000	\$ -	\$ 30,000	\$ 30,000	\$ 32,000	\$ -	\$ 32,000	\$ 32,000
19	POST CLEANING VIDEO AND SONAR OF WEST INTAKE	4,000	L.F.	\$6.30	\$ -	\$ 6	\$ 25,200	\$ 7	\$ -	\$ 7	\$ 28,000
20	POST CLEANING VIDEO AND SONAR OF EAST INTAKE	4,000	L.F.	\$6.30	\$ -	\$ 6	\$ 25,200	\$ 7	\$ -	\$ 7	\$ 28,000
21	LAKE OUTFALL PIPELINE EXTENSION DESIGN SUBMITTALS	1	L.S.	\$ 495,850	\$ -	-----	\$ 495,850	\$ 26,000	\$ -	-----	\$ 26,000
22	BULKHEAD AND PIPING AT NORTH END OF EAST INTAKE AND MODIFICATIONS TO CRIB	1	L.S.	\$ 748,372	\$ -	-----	\$ 748,372	\$ 206,000	\$ 160,000	-----	\$ 366,000
23	PIPE BENT SUPPORT SYSTEM	9	EA	\$ 67,200	\$ 28,800	\$ 96,000	\$ 864,000	\$ 110,000	\$ 60,000	\$ 170,000	\$ 1,530,000
24	ADDITIONAL PILE EMBEDMENT	20	L.F.	\$ 2,000	\$ 880	\$ 2,880	\$ 57,600	\$ 5,551	\$ 1,000	\$ 6,551	\$ 131,020
25	OUTFALL PIPE BEDDING AND ARMOR	75	L.F.	\$ 2,000	\$ 375	\$ 2,375	\$ 178,125	\$ 1,650	\$ 2,000	\$ 3,650	\$ 273,750
26	30-INCH FRP OUTFALL PIPING	108	L.F.	\$ 400	\$ 45	\$ 445	\$ 48,060	\$ 1,000	\$ 1,300	\$ 2,300	\$ 248,400
27	30-INCH HDPE OUTFALL PIPING	1,090	L.F.	\$ 412	\$ 95	\$ 507	\$ 552,630	\$ 237	\$ 350	\$ 587	\$ 639,830
28	DIFFUSER STRUCTURE	1	L.S.	\$ 200,000	\$ 50,000	-----	\$ 250,000	\$ 110,000	\$ 90,000	-----	\$ 200,000
29	C-PLANT INTERIOR LIGHTING AND SUMP PUMP	1	L.S.	\$ 4,000	\$ 10,000	-----	\$ 14,000	\$ 10,000	\$ 40,000	-----	\$ 50,000
30	EROSION CONTROL	1	L.S.	\$ 77,000	\$ 1,000	-----	\$ 78,000	\$ 9,000	\$ 4,000	-----	\$ 13,000
31	SOILS TESTING ALLOWANCE	1	L.S.	-----	-----	-----	\$ 10,000	-----	-----	-----	\$ 10,000
TOTAL BASE BID							\$ 6,825,138				\$ 6,566,000

**PROPOSAL TO THE ASHTABULA COUNTY PORT AUTHORITY
FOR THE C-PLANT OUTFALL IMPROVEMENTS
ALTERNATES - INTAKE CLEANING AND DISPOSAL**

Kokosing Industrial

Robinson Construction Co.

REF. NO.	DESCRIPTION	ESTIMATED QUANTITY	MEASURE UNIT	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
Alternate A - Dispose of all material on shore											
A-1	WEST INTAKE PIPE CLEANING (DISPOSAL TO LANDSIDE)	1,300	C.Y.	\$286.50	\$ -	\$ 287	\$ 372,450	\$ 375	\$ -	\$ 375	\$ 487,500
A-2	EAST INTAKE PIPE CLEANING (DISPOSAL TO LANDSIDE)	5,100	C.Y.	\$286.50	\$ -	\$ 287	\$ 1,461,150	\$ 375	\$ -	\$ 375	\$ 1,912,500
A-3	MOBILIZATION	1	L.S.	\$ 940,000	\$ -	-----	\$ 940,000	\$ 1,022,000	\$ -	-----	\$ 1,022,000
TOTAL ALTERNATE A							\$ 2,773,600				\$ 3,422,000
Alternate B - Dispose of all material in Lake Erie											
B-1	WEST INTAKE PIPE CLEANING (DISPOSAL TO LAKESIDE)	1,300	C.Y.	\$ 250	\$ -	\$ 250	\$ 325,000			\$ -	\$ -
B-2	EAST INTAKE PIPE CLEANING (DISPOSAL TO LAKESIDE)	5,100	C.Y.	\$ 250	\$ -	\$ 250	\$ 1,275,000			\$ -	\$ -
B-3	MOBILIZATION	1	L.S.	\$ 940,000	\$ -	-----	\$ 940,000			-----	\$ -
TOTAL ALTERNATE B							\$ 2,540,000				\$ -
Alternate C - Disposal of the debris in a manner to be proposed by the Contractor in his bid											
				NO BID				NO BID			
C-1	WEST INTAKE PIPE CLEANING (DISPOSAL CONTRACTORS OPTION) CONTRACTOR'S PROPOSED METHOD	1,300	C.Y.			\$ -	\$ -			\$ -	\$ -
C-2	EAST INTAKE PIPE CLEANING (DISPOSAL CONTRACTORS OPTION)PROPOSED METHOD	5,100	C.Y.			\$ -	\$ -			\$ -	\$ -
B-3	MOBILIZATION	1	L.S.			-----	\$ -			-----	\$ -
TOTAL ALTERNATE C							\$ -				\$ -
TOTAL BASE BID AND ALTERNATE A							\$ 9,598,738				\$ 9,988,000
TOTAL BASE BID AND ALTERNATE B							\$ 9,365,138				NO BID