

Project: Br. 29-2.70

Logan County
County Highway No. 29

P R O P O S A L

LOGAN COUNTY
BOARD OF COUNTY COMMISSIONERS

G. Parker Kennedy

Warren W. Smith

Don Corwin

Chester R. Kurtz, County Engineer

Letting - July 7, 1975

Submitted by	Wimsatt Building Company
Street	503 Progress Road
Post Office	West Carrollton
State	Ohio
	45449

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H A W	PENS.	VAC.	APP. TR.	OTHERS
7-05-74	\$ 8.30	.45	.10		.01	
1-01-75	10.01	.35	.60		.04	.03
7-01-75	10.61	.35	.60		.04	.03
6-29-73	9.25	.40	.65		.02	
6-29-73	9.25	.40	.65		.02	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.80	.40	.60		.12	.34
7-01-75	10.21	.40	.60		.12	.03
1-01-75	10.01	.35	.60		.04	.03
7-01-75	10.61	.35	.60		.04	.03
6-29-73	9.25	.40	.65		.02	
3-09-72	8.05	.15				
3-09-72	8.05	.15				
11-01-69	6.10	.15				
11-01-69	6.10	.15				

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

- Plasterers-----
- Plumbers-----
- Reinforcing Placers-----
- Riggers and Machinery Movers-----
- Roofers, Composition-----
- Roofers, Dampproofer- Spray-----
- Roofers, Waterproofer-----
- Roofers, Slate and Tile-----
- She Metal Workers-----
- Steamfitters-----
- Steel Sash Erectors-----
- Stonemasons-----
- Stonemason Cutters-----
- Terrazzo and Mosaic-----
- Tile Setters-----

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H & W	PENS.	VAC.	APP. TR.	OTHERS
7-01-70	\$ 5.45		.20	.10		
12-01-69	6.60	.15	c		.2%	
10-16-74	8.75	.35	.35		.02	
6-29-73	9.25	.40	.65		.02	
6-29-73	9.25	.40	.65		.02	
6-29-73	9.25	.40	.65		.02	

Glaziers

Linemen

Pile Drivers

Welder

Fence Erectors

Sheeters

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

TRUCK DRIVERS - HEAVY AND HIGHWAY

LOGAN

COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
			H & W	PENS.	VAC.	APP. TR.	OTHERS
Drivers, including, but not limited to, 4-Wheel Service Trucks; 4-Wheel Dump Trucks; Batch Trucks; Oil Distributors; Asphalt Distributors-----	5-01-75	\$ 7.27	16.00d	6.00d			
Drivers, Tandem Trucks-----	5-01-75	7.32	16.00d	6.00d			
Drivers, Tractor-Trailer Combinations, including, but not limited to, Semi Tractor Trucks; Pole Trailers; Ready Mix Trucks; Fuel Trucks; Asphalt-Oil Spray-Bar Man when Operated from Cab*-----	5-01-75	7.37	16.00d	6.00d			
All Trucks Five(5) Axle and Over-----	5-01-75	7.47	16.00d	6.00d			
*Asphalt-Oil Spray-Bar Man when Operated from Cab-----	5-01-75	7.57	16.00d	6.00d			
Drivers, Euclid Wagons; Euclid End Dumps; Low Boys and Heavy Duty Equipment over 12 Cubic Yard Capacity (Irrespective of Load Carried) When Used Exclusively for Transportation; Truck Mechanics (When Needed)-----	5-01-75	7.74	16.00d	6.00d			

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

HOD CARRIERS AND COMMON LABORERS - BUILDING CONSTRUCTION

FRINGE BENEFITS:	H & W	PENS.	VAC.	APP. TR.	OTHERS
	.50	.30		.02	

CLASSIFICATIONS

RATES PER HOUR
11-1-74

Building and Construction Laborers-	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13
Mortar Mixers - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Mason Tenders - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Plasterer Tenders - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Air and Machine-Driven Tool Operators; Jackhammer; Barko and Chain Saw - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Wagon Drill; Hand Spikers; Power Concrete and Buggies - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Asphalt Raker and Tamper- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13
Powder Man and Blaster- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Gunnite Machine Operator and Nozzle Man - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Miners, Tunnel and Caisson- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Muckers, Tunnel and Caisson - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.38
Carpenter Helper- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13
Waterboy- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13
Flagman and Signalman - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13
Sewer Pipe Layer and Bottom Man - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13
Vibrator; Air Spade and Other Small Tools - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	6.13

Effective in the following Counties: Champaign

CLARK

Logan

NOTICE

rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

SUPPLEMENTAL SPECIFICATION
FOR THE CONSTRUCTION OF
BRIDGE NO. 29-2.70
LOGAN COUNTY

SPECIFICATIONS FOR SINMAST DEEP CONSERVATION

I. GENERAL:

The scope of this contract shall include all labor, materials, and equipment as shown on the drawings or herein specified. The materials placed--its qualities, color, and properties-- shall be at least equal to what has been specified herein. The product specified is SINMAST DEEP CONSERVATION, Product No. 1, manufactured by SINMAST OF AMERICA, INC., 1200 Greenleaf Avenue, Elk Grove Village, Illinois, 60007, and supplied by authorized, factory-trained Dealers.

The contractor shall select a supplier of the materials before submitting a bid for this work.

II. MATERIALS:

A. Penetrating Sealer

The penetrating sealer shall be a two-component, modified epoxy system, consisting of a modified resin, curing agents and a select blend of aromatic solvents.

1. Component A (modified epoxy resins) shall be a blend of select grades of aromatic solvents with fast evaporation qualities, a modified epoxy resin blend containing special modified Bisphenol A intermediates and shall meet the following requirements:

Weight per gallon, lbs.	7.15-7.35
Viscosity at 25°C, Average cps.	2.4*
Specific gravity.	0.86-0.88
Color	Clear

Brookfield Model LVF:
*Spindle #1, 60 rpm
**Spindle #2, 60 rpm

2. Component B (Curing Agent) shall be a propriety mixed polyamide and shall meet the following requirements:

Weight per gallon, lbs. 8.08-8.28
Viscosity at 25°C, Average cps. 200.0**
Specific gravity. 0.97-0.99
Color Dark Brown

3. Special Note

No plasticizers, flexibilizers, oils or diluents that remain unreactive in the resin or curing agents are permitted in the formulation.

4. Mixing of Components A and B

Add Component B into Component A and blend until evenly mixed.

Ratio of product mixtures: Component A 90%, and Component B 10%, all measurements by weight.

5. Properties of Mixed Product

Weight per gallon, lbs. 7.24-7.44
Viscosity at 25°C, Average cps. 3.2**
Specific gravity. 0.87-0.89
Solids by weight. 15%
Color Clear
Potlife 25°C, (77°F). 6 Hours Plus or
Flexibility No breaking or cracking of film with normal concrete movements.
Film. No film shall be present on surface of the concrete.
Glare None
Skid Properties No change from existing conditions prior to application, unless sand is added.
Gel Time 1-2 hours after application

Traffic allowed over treated concrete as soon as solvents evaporate from surface, 15-45 minutes. Workable temperatures down to +50°F. (-15°C.).

6. Packaging and Marking

Each container shall be clearly marked with product name, component designation ("A" or "B"), manufacturer's name, batch number, and ratio of component mixtures. Container sizes: 6½ and 55 gallon drums.

III. APPLICATION:

A. Determine rate of application by applying Sinmast Deep Conservation over a test area. Mark off three areas one square foot each. Two coats will be required for proper application. Normally the first coat will be the lightest application rate and the second will be a heavier coat (more solids are being applied per square foot on the second application). Remember that a film should never develop on the surface of the concrete. If a film develops the material is being applied too thick and the rate of application should be reduced. Brush the Sinmast Deep Conservation over the test area. After applying the first coat, the second may be applied when the solvent has evaporated from the surface. As a guide only, the following general specifications for highway concrete will normally require two applications at the approximate rates shown below. Please remember the application rates are determined by the porosity of the concrete and each job must be individually determined.

TYPICAL HIGHWAY CONCRETE SPECIFICATIONS

Compressive Strength 5,000-6,000 psi

PROPERTIES OF PLASTIC CONCRETE

Slump 3" to 4"
Air Content 4.75 to 6.0%

FIRST APPLICATION OF SINMAST DEEP CONSERVATION

1 gallon per 200-300 sq. ft.

SECOND APPLICATION OF SINMAST DEEP CONSERVATION

1 gallon per 75-125 sq. ft.

The following figures will assist you in determining the correct application rates. A one-inch brush will normally hold about ten grams of Sinmast Deep Conservation. Figures are approximate; however, will enable you to determine proper application of each coating.

<u>SQ. FT. PER GALLON</u>	<u>GRAMS PER SQ. FT.</u>
50	68.0
75	45.3
100	34.0
125	27.2
150	22.6
175	19.4
200	17.0
250	13.6
300	11.3
350	9.7
400	8.5

B. NEW CONCRETE APPLICATIONS

Normally no blasting or grinding of the surface to be treated will be necessary, however, if laitence is weak or spalling has occurred the surfaces should be thoroughly cleaned down to solid concrete. Wash all debris and dirt from the concrete with clean water or blow clean with an air blast. Allow to dry before applying material.

- C. After rates of application have been determined the Sinmast Deep Conservation may be applied by power spray equipment, rollers, or brushes.
- D. Traffic may drive over treated surface as soon as solvents have evaporated or concrete looks dry.

LOGAN COUNTY, OHIO

PROJECT BR. 29-2.70

CONTENTS

	Page No.
Notice to Bidders	1
Instructions to Bidders	2
Proposal	4
Written Contract	7
Special Conditions	8
General Conditions	9
Schedule of Prevailing Hourly Wage Rates	

NOTICE TO BIDDERS

County of Logan
Board of County Commissioners
Bellefontaine, Ohio

Sealed bids will be received at the office of the County Engineer, Logan County, Ohio until 10:00 A.M. Ohio Standard Time, Monday, July 7, 1975 for the improving of County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34'0", design loading HS-20-44, project length 591.47 linear feet; at which time they will be opened and publicly read aloud.

Construction plans, specifications and contract documents may be obtained from the office of the Logan County Engineer, P.O. Box 427, County Road No. 13, Bellefontaine, Ohio. Bid proposals will be furnished at no cost upon request.

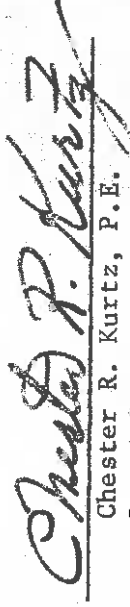
Each bid shall contain the full name of each person or company interested and shall be accompanied by a certified check, payable to the Logan County Treasurer, in the amount of one Thousand Dollars (\$1,000.00) as a proposal guarantee. All proposal guarantees, except that of the three lowest bidders, will be returned within (10) days. The proposal guarantee of the successful bidder and all others will be returned after a contract bond has been furnished and the contract has been executed.

A performance bond in the amount of (100%) of the total bid will be required by the successful bidder, to insure faithful performance of the work in accordance with the proposal, plans and specifications.

Bids shall be sealed and endorsed "Sealed Bid - Bridge No. 29-2.70".

The Board of County Commissioners reserves the right to reject any or all bids submitted.

By order of the Board of County Commissioners, Logan County, Ohio.


Chester R. Kurtz, P.E.
Logan County Engineer

Posted June 17, 1975

Advertised June 23, 30, 1975

INSTRUCTIONS TO BIDDERS

DATE AND PLACE FOR OPENING PROPOSALS. Pursuant to the Legal Notice, sealed proposals for performing the work will be received by the Board of County Commissioners of Logan County, Ohio.

At the time and place set forth in said notice, they will be publicly opened by the County Engineer and read; the awarding of the contract, if awarded, will be made by the Board of County Commissioners as soon thereafter as practicable.

FORM FOR PROPOSALS: All proposals shall be made upon the blank form of proposal attached hereto, and should give the lump sum price or unit prices for the work, and must be signed by the bidder in accordance with the directions in the form of proposal.

OMMISSIONS AND DISCREPANCIES: Should a bidder find discrepancies in, or omissions from the drawings or other contract documents, or should he be in doubt as to their meaning, he shall at once notify the Engineer who may send a written instruction to all bidders.

ACCEPTANCE OR REJECTION OF PROPOSALS: The County reserves the right to reject any or all proposals. Without limiting the generality of the foregoing, any proposal which is incomplete, obscure, or irregular may be rejected; any proposal having erasures or corrections in the price sheet may be rejected; any proposal in which unit prices are omitted or in which unit prices are unbalanced, may be rejected; any proposal accompanied by an insufficient or irregular bond or certified check may be rejected.

CERTIFIED CHECK OR PROPOSAL BOND: All proposals shall be accompanied by a proposal bond with a surety satisfactory to the County or a certified check on a solvent bank made payable to the Logan County Treasurer, in the amount of One Thousand Dollars (\$1,000.00). Such check or bond is to serve as a guarantee that if the proposal is accepted, a contract will be entered into and the performance of it properly secured.

All certified checks or proposal bonds shall be returned on demand within ten (10) days after the proposals are opened except those of the three lowest bidders which shall be held until the successful bidder has executed the contract. Thereafter all remaining checks or bonds, including that of the successful bidder, will be returned.

ACCEPTANCE OF PROPOSAL: Within thirty (30) days after the opening of proposals, the Board of County Commissioners will act upon them. The acceptance of a proposal shall bind the successful bidder to execute the contract, and to be responsible for liquidated damages as provided herein. The rights and obligations provided for in the contract shall become effective and binding upon the parties only with its formal execution by the Logan County Board of Commissioners.

DAMAGES FOR FAILURE TO EXECUTE CONTRACT: Any bidder whose proposal is accepted will be required to appear in person in the office of the Board of County Commissioners, or if a firm or corporation, a duly authorized representative shall so appear, and to execute the contract within ten (10) days after the notice that the contract has been awarded to him. Failure or neglect to do so shall constitute a breach of the agreement affected by the acceptance of the proposal.

The amount of the bond or certified check accompanying the proposal shall be retained by the County as liquidated damages for such breach. In the event any bidder whose proposal shall be accepted shall fail or refuse to execute the contract as herein provided, the Board of County Commissioners may, at their option, determine that such bidder has abandoned the contract and thereupon his proposal and the acceptance thereof shall be null and void and the County shall be entitled to liquidated damages as above provided.

TIME FOR BEGINNING AND COMPLETION: The contractor shall commence work at his convenience, but the road must be re-opened for traffic by December 1, 1975, and he shall complete the work within the time specified.

PRICES: The prices are to include the furnishing of all materials, plant, tools and all other facilities, and the performance of all labor and services necessary or proper for the completion of the work, except as may be otherwise expressly provided in the contract documents.

INTERPRETATIONS AND ADDENDA: No oral interpretations shall be made to any bidder as to the meaning of any of the contract documents, or be effective to modify any of the contract documents. Every request for an interpretation shall be made in writing and addressed to Chester R. Kurtz, Logan County Engineer, P.O.Box 427, Bellefontaine, Ohio 43311.

UNIT PRICE: The unit prices specified in the "Unit Price Bid" column will govern the awarding of the contract.

The contractor shall make the extensions in "Total Amount Bid" column and also add up the totals. However, the unit prices specified, together with the approximate quantities shall determine the total amount of the bid. If there is an error made in the extensions by the bidder, the total shall be changed as only the unit price shall govern.

PREQUALIFICATION OF BIDDERS: Bids will be accepted only from contractors, who are prequalified with the State of Ohio, Department of Highways, as per Section 102.01 of the State of Ohio, Department of Highway's Construction and Material Specifications, dated January 1, 1974.

PROJECT BR. 29-2.70

Board of Logan County Commissioners
P.O. Box 427
Bellefontaine, Ohio 43311

The Undersigned, having full knowledge of the site, plans and specifications for the following improvement and the conditions of this proposal, hereby agree to furnish all services, labor, materials and equipment necessary to complete the entire project, according to plans, specifications and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

The total amount of the bid, based on the approximate quantities given below and the unit prices specified by the bidder amount to the sum of

ONE HUNDRED FOURTEEN THOUSAND
NINE HUNDRED FIFTY FIVE DOLLARS AND 05/100 — Dollars (\$ 14,955.05)

UNIT PRICE CONTRACT

For improving Logan County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34' 0" design loading HS-20-44, project length 591.47 linear feet.

REF.	ITEM	DESCRIPTION	QUANTITY	UNIT PRICE BID	UNIT AMOUNT BID
		<u>ROADWAY</u>			
1.	201	✓ Clearing & Grubbing	Lump	\$ <u>1500</u>	\$ <u>1500.00</u>
2.	202	✓ Guard Rail removed & stored	280 L.F.	<u>1.00</u>	<u>280.00</u>
3.	202	✓ Foundation Removed	Lump	<u>250</u>	<u>250.00</u>
4.	203	✓ Embankment	3964 C.Y.	<u>1.50</u>	<u>5946.00</u>
5.	203	✓ Excavation not including embankment construction	5356 C.Y.	<u>1.50</u>	<u>8034.00</u>
6.	606	✓ Guard Rail Type 4	108.84 L.F.	<u>7.00</u>	<u>761.88</u>
		Sub-Total Roadway			\$ <u>16771.88</u>

EROSION CONTROL

7.	601	✓	Rock Channel Protection Type B with bedding	8 C.Y.	\$ <u>50.00</u>	\$ <u>400.00</u>
8.	601	✓	Dumped Rock Fill, Type A	551 C.Y.	<u>16.00</u>	<u>8816.00</u>
9.	659	✓	Seeding & Mulching	8528 S.F.	<u>0.20</u>	<u>1705.60</u>
10.	659	✓	Commercial Fertilizer 12-12-12	.77 Ton	<u>1000.</u>	<u>770.00</u>
11.	659	✓	Agricultural Liming	3.84 Ton	<u>380.</u>	<u>1459.20</u>
				Sub-Total Erosion Cont.	\$	<u>13150.80</u>

Drainage

12.	603	✓	12" Conduct, Type X C, 707.05 707.05	50 L.F.	\$ <u>11.00</u>	\$ <u>550.00</u>
13.	605	✓	Aggregate Drains	280 L.F.	<u>1.50</u>	<u>420.00</u>
				Sub-Total Drainage	\$	<u>970.00</u>

Pavement

14.	304	✓	Aggregate Base	475 C.Y.	\$ <u>12.75</u>	\$ <u>6056.25</u>
15.	404	✓	Asphalt Concrete	104 C.Y.	<u>61.00</u>	<u>6344.00</u>
16.	408	✓	Bituminous Prime Coat 702.09, MC-70 or MC-250	911 Gal.	<u>1.20</u>	<u>1093.20</u>
				Sub-Total Pavement	\$	<u>13493.45</u>

STRUCTURE

17.	202	✓	Structure Removed	Lump	\$ <u>1500</u>	\$ <u>1500.00</u>
18.	503	✓	Unclassified Excavation	82 C.Y.	<u>17.00</u>	<u>1394.00</u>
19.	507	✓	14" Cast in Place Rein- forced Concrete Piles	840 L.F.	<u>20.00</u>	<u>16800.00</u>
20.	509	✓	Reinforcing Steel	52441 LB.	<u>0.27</u>	<u>14159.07</u>
21.	511	✓	Class C Concrete, Superstructure	211 C.Y.	<u>97.00</u>	<u>20467.00</u>
22.	511	✓	Class C Concrete, Pier Caps	12 C.Y.	<u>320.00</u>	<u>3840.00</u>

STRUCTURE (Cont.)

23. ✓	511	Class C. Concrete, Abutments	42 C.Y.	\$ <u>79.00</u>	\$ <u>3318.00</u>
24. ✓	517	Railing (Deep Beam Rail With Steel Posts and Bolts)	216.18 L.F.	<u>25.00</u>	<u>5404.50</u>
25. ✓	518	Porous Backfill	13 C.Y.	<u>15.00</u>	<u>195.00</u>
26. ✓	Special	Concrete Surface Treatment	Lump	<u>1400.</u>	<u>1400.00</u>
27.	808	Chemical Admixture for Concrete, Type A, B, or D	211 Unit	<u>1.85</u>	<u>390.35</u>
		Sub-Total Structure		\$ <u>68867.92</u>	
<u>Miscellaneous</u>					
28.	Special	Premium on Industrial Insurance	Lump	\$ <u>950</u>	<u>950.00</u>
19.	614 ✓	Maintaining Traffic	Lump	<u>750</u>	<u>750.00</u>
		Sub-Total Miscellaneous		\$ <u>1700.00</u>	
		TOTAL BID		\$ <u>114954.05</u>	

Project: Br. 29-2.70

Logan County
County Highway No. 29

P R O P O S A L

LOGAN COUNTY
BOARD OF COUNTY COMMISSIONERS

Warren W. Smith

G. Parker Kennedy

Don Corwin

Chester R. Kurtz, County Engineer

Letting - July 7, 1975

Submitted by Iberia Earthmoving Service Inc

Street _____

Post Office Iberia

State Ohio 43325



STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

Certificate of Qualification

NUMBER
129

ISSUED
March 24, 1975
Ef. April 1, 1975

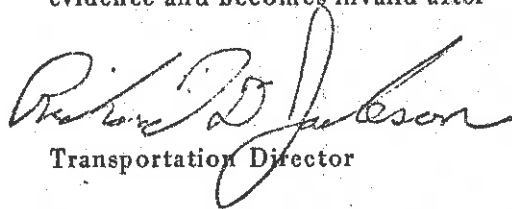
THIS CERTIFIES that **IBERIA EARTHMOVING SERVICE, INC.**
Iberia, Ohio 43325

has filed with the Department of Transportation a Financial Statement and Experience Questionnaire as required under Sections 5525.02 to 5525.09 inclusive of the Revised Code of Ohio, and is hereby qualified to submit bids on State Highway Projects not to exceed \$ 3,000,000 less the contractual amount of all uncompleted work including non-highway work under contract at the time of submitting bid.

This Certificate limits the holder to the classification of work indicated below:

- Railroad Bridges and Construction Under Railroad Tracks
- General Contracting
- Paving
 - Rigid Paving
 - Flexible Paving
 - Low Type Bituminous Wearing Surfaces
- Grading
- Drainage Structures
- Highway Bridges

This Certificate is subject to revision if and when a change in the financial condition of the holder is in evidence and becomes invalid after March 31, 1976


Transportation Director


Administrator
Contractor Qualifications

LOGAN COUNTY, OHIO

PROJECT BR. 29-2.70

CONTENTS

Page No.

Notice to Bidders	1
Instructions to Bidders	2
Proposal	4
Written Contract	7
Special Conditions	8
General Conditions	9

Schedule of Prevailing Hourly Wage Rates

NOTICE TO BIDDERS

County of Logan
Board of County Commissioners
Bellefontaine, Ohio

Sealed bids will be received at the office of the County Engineer, Logan County, Ohio until 10:00 A.M. Ohio Standard Time, Monday, July 7, 1975 for the improving of County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34'0", design loading HS-20-44, project length 591.47 linear feet; at which time they will be opened and publicly read aloud.

Construction plans, specifications and contract documents may be obtained from the office of the Logan County Engineer, P.O. Box 427, County Road No. 13, Bellefontaine, Ohio. Bid proposals will be furnished at no cost upon request.


Each bid shall contain the full name of each person or company interested and shall be accompanied by a certified check, payable to the Logan County Treasurer, in the amount of one Thousand Dollars (\$1,000.00) as a proposal guarantee. All proposal guarantees, except that of the three lowest bidders, will be returned within (10) days. The proposal guarantee of the successful bidder and all others will be returned after a contract bond has been furnished and the contract has been executed.

A performance bond in the amount of (100%) of the total bid will be required by the successful bidder, to insure faithful performance of the work in accordance with the proposal, plans and specifications.

Bids shall be sealed and endorsed "Sealed Bid - Bridge No. 29-2.70".

The Board of County Commissioners reserves the right to reject any or all bids submitted.

By order of the Board of County Commissioners, Logan County, Ohio.


Chester R. Kurtz, P.E.
Logan County Engineer

Posted June 17, 1975

Advertised June 23, 30, 1975

INSTRUCTIONS TO BIDDERS

DATE AND PLACE FOR OPENING PROPOSALS. Pursuant to the Legal Notice, sealed proposals for performing the work will be received by the Board of County Commissioners of Logan County, Ohio.

At the time and place set forth in said notice, they will be publicly opened by the County Engineer and read; the awarding of the contract, if awarded, will be made by the Board of County Commissioners as soon thereafter as practicable.

FORM FOR PROPOSALS: All proposals shall be made upon the blank form of proposal attached hereto, and should give the lump sum price or unit prices for the work, and must be signed by the bidder in accordance with the directions in the form of proposal.

OMMISSIONS AND DISCREPANCIES: Should a bidder find discrepancies in, or omissions from the drawings or other contract documents, or should he be in doubt as to their meaning, he shall at once notify the Engineer who may send a written instruction to all bidders.

ACCEPTANCE OR REJECTION OF PROPOSALS: The County reserves the right to reject any or all proposals. Without limiting the generality of the foregoing, any proposal which is incomplete, obscure, or irregular may be rejected; any proposal having erasures or corrections in the price sheet may be rejected; any proposal in which unit prices are omitted or in which unit prices are unbalanced, may be rejected; any proposal accompanied by an insufficient or irregular bond or certified check may be rejected.

CERTIFIED CHECK OR PROPOSAL BOND: All proposals shall be accompanied by a proposal bond with a surety satisfactory to the County or a certified check on a solvent bank made payable to the Logan County Treasurer, in the amount of One Thousand Dollars (\$1,000.00). Such check or bond is to serve as a guarantee that if the proposal is accepted, a contract will be entered into and the performance of it properly secured.

All certified checks or proposal bonds shall be returned on demand within ten (10) days after the proposals are opened except those of the three lowest bidders which shall be held until the successful bidder has executed the contract. Thereafter all remaining checks or bonds, including that of the successful bidder, will be returned.

ACCEPTANCE OF PROPOSAL: Within thirty (30) days after the opening of proposals, the Board of County Commissioners will act upon them. The acceptance of a proposal shall bind the successful bidder to execute the contract, and to be responsible for liquidated damages as provided herein. The rights and obligations provided for in the contract shall become effective and binding upon the parties only with its formal execution by the Logan County Board of Commissioners.

DAMAGES FOR FAILURE TO EXECUTE CONTRACT: Any bidder whose proposal is accepted will be required to appear in person in the office of the Board of County Commissioners, or if a firm or corporation, a duly authorized representative shall so appear, and to execute the contract within ten (10) days after the notice that the contract has been awarded to him. Failure or neglect to do so shall constitute a breach of the agreement affected by the acceptance of the proposal.

The amount of the bond or certified check accompanying the proposal shall be retained by the County as liquidated damages for such breach. In the event any bidder whose proposal shall be accepted shall fail or refuse to execute the contract as herein provided, the Board of County Commissioners may, at their option, determine that such bidder has abandoned the contract and thereupon his proposal and the acceptance thereof shall be null and void and the County shall be entitled to liquidated damages as above provided.

TIME FOR BEGINNING AND COMPLETION: The contractor shall commence work at his convenience, but the road must be re-opened for traffic by December 1, 1975, and he shall complete the work within the time specified.

PRICES: The prices are to include the furnishing of all materials, plant, tools and all other facilities, and the performance of all labor and services necessary or proper for the completion of the work, except as may be otherwise expressly provided in the contract documents.

INTERPRETATIONS AND ADDENDA: No oral interpretations shall be made to any bidder as to the meaning of any of the contract documents, or be effective to modify any of the contract documents. Every request for an interpretation shall be made in writing and addressed to Chester R. Kurtz, Logan County Engineer, P.O.Box 427, Bellefontaine, Ohio 43311.

UNIT PRICE: The unit prices specified in the "Unit Price Bid" column will govern the awarding of the contract.

The contractor shall make the extensions in "Total Amount Bid" column and also add up the totals. However, the unit prices specified, together with the approximate quantities shall determine the total amount of the bid. If there is an error made in the extensions by the bidder, the total shall be changed as only the unit price shall govern.

PREQUALIFICATION OF BIDDERS: Bids will be accepted only from contractors, who are prequalified with the State of Ohio, Department of Highways, as per Section 102.01 of the State of Ohio, Department of Highway's Construction and Material Specifications, dated January 1, 1974.

PROJECT BR. 29-2.70

Board of Logan County Commissioners
P.O. Box 427
Bellevue, Ohio 43311

The Undersigned, having full knowledge of the site, plans and specifications for the following improvement and the conditions of this proposal, hereby agree to furnish all services, labor, materials and equipment necessary to complete the entire project, according to plans, specifications and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

The total amount of the bid, based on the approximate quantities given below and the unit prices specified by the bidder amount to the sum of

One Hundred thirty seven Thousand Nine Hundred Forty one Dollars Twenty three Cents
Dollars (\$ 137,943.23)

UNIT PRICE CONTRACT

For improving Logan County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34' 0" design loading HS-20-44, project length 591.47 linear feet.

REF. NO.	ITEM DESCRIPTION	QUANTITY	UNIT PRICE BID	UNIT AMOUNT BID
1.	201 Clearing & Grubbing	Lump	\$ <u>1000.00</u>	\$ <u>1000.00</u>
2.	202 Guard Rail removed & stored	280 L.F.	\$ <u>1.50</u>	\$ <u>420.00</u>
3.	202 Foundation Removed	Lump	\$ <u>100.00</u>	\$ <u>100.00</u>
4.	203 Embankment	3964 C.Y.	\$ <u>2.50</u>	\$ <u>9910.00</u>
5.	203 Excavation not including embankment construction	5356 C.Y.	\$ <u>3.50</u>	\$ <u>18746.00</u>
6.	606 Guard Rail Type 4	108.84 L.F.	\$ <u>12.65</u>	\$ <u>1376.83</u>
	Sub-Total Roadway			\$ <u>31552.83</u>

EROSION CONTROL

7.	601	Rock Channel Protection Type B with bedding	8 C.Y.	\$ <u>17.63</u>	\$ <u>141.04</u>
8.	601	Dumped Rock Fill, Type A	551 C.Y.	\$ <u>17.63</u>	\$ <u>9714.13</u>
9.	659	Seeding & Mulching	8528 S.F.	\$ <u>0.33</u>	\$ <u>2814.24</u>
10.	659	Commercial Fertilizer 12-12-12	.77 Ton	\$ <u>330.00</u>	\$ <u>254.10</u>
11.	659	Agricultural Liming	3.84 Ton	\$ <u>55.00</u>	\$ <u>211.20</u>
		Sub-Total Erosion Cont.		\$ <u>13134.71</u>	

Drainage

12.	603	12" Conduct, Type X C, 707.05 707.05	50 L.F.	\$ <u>23.23</u>	\$ <u>1161.50</u>
13.	605	Aggregate Drains	280 L.F.	\$ <u>1.70</u>	\$ <u>476.00</u>
		Sub-Total Drainage		\$ <u>1637.50</u>	

Pavement

14.	304	Aggregate Base	475 C.Y.	\$ <u>11.55</u>	\$ <u>5486.25</u>
15.	404	Asphalt Concrete	104 C.Y.	\$ <u>55.00</u>	\$ <u>5720.00</u>
16.	408	Bituminous Prime Coat 702.09, MC-70 or MC-250	911 Gal.	\$ <u>1.10</u>	\$ <u>1002.10</u>
		Sub-Total Pavement		\$ <u>12208.35</u>	

STRUCTURE

17.	202	Structure Removed	Lump	\$ <u>2000.00</u>	\$ <u>2000.00</u>
18.	503	Unclassified Excavation	82 C.Y.	\$ <u>12.00</u>	\$ <u>984.00</u>
19.	507	14" Cast in Place Rein- forced Concrete Piles	840 L.F.	\$ <u>17.35</u>	\$ <u>14574.00</u>
20.	509	Reinforcing Steel	52441 LB.	\$ <u>0.24</u>	\$ <u>12585.84</u>
21.	511	Class C Concrete, Superstructure	211 C.Y.	\$ <u>155.00</u>	\$ <u>32705.00</u>
22.	511	Class C Concrete, Pier Caps	12 C.Y.	\$ <u>150.00</u>	\$ <u>1800.00</u>

STRUCTURE (Cont.)

23.	511	Class C, Concrete, Abutments	42 C.Y.	\$ 145.00	\$ 6090.00
24.	517	Railing (Deep Beam Rail With Steel Posts and Bolts)	216.18 L.F.	\$ 25.00	\$ 5404.50
25.	518	Porous Backfill	13 C.Y.	\$ 16.50	\$ 214.50
26.	Special	Concrete Surface Treatment	Lump	\$ 1340.00	\$ 1340.00
27.	808	Chemical Admixture for Concrete, Type A, B, or D	211 Unit	\$ 1.00	\$ 211.00
		Sub-Total Structure		\$ 77908.84	
<u>Miscellaneous</u>					
28.	Special	Premium on Industrial Insurance	Lump	\$ 1000.00	\$ 1000.00
19.	614	Maintaining Traffic	Lump	\$ 500.00	\$ 500.00
		Sub-Total Miscellaneous		\$ 1500.00	
		TOTAL BID		\$ 137,942.23	

WRITTEN CONTRACT

On acceptance of the proposal for said work We do hereby bind
ourselves this 7th day of July, 1975,
myself or ourselves I or we

to enter into a written contract with the Logan County Engineer within
ten (10) days from date of notice of award.

IF AN INDIVIDUAL, SIGN BELOW:

Name _____ Address _____

IF AN INDIVIDUAL DOING BUSINESS UNDER A TRADE NAME, SIGN BELOW:

Trade Name _____ Address _____

Sole Owner

BY _____

IF A PARTNERSHIP, SIGN BELOW:

Name of Partnership _____ Address _____

BY _____

Partner _____ Address _____

Partner _____ Address _____

Partner _____ Address _____

Partner _____ Address _____

IF A CORPORATION, SIGN BELOW:

Iberic Earthmoving Service Inc
Name of Corporation

Incorporated under the laws of the State of Ohio

By Myron A. Sage
Signature

SEC. - Treas.
Title of officer signing

SPECIAL CONDITIONS

1. The Engineer shall furnish to the contractor line and grade stakes as required for the work. It shall be the responsibility of the contractor to preserve all stakes and bench marks. Any destroyed shall be replaced at the expense of the contractor.
2. Excavation in the vicinity of existing structures or utilities shall be carefully done and the contractor shall be held responsible for damage to and for maintenance and protection of same.
3. If at any time before the commencement or during the progress of the work, tools and equipment appear to the engineer to be insufficient or inappropriate to secure the quality of the work required at the proper rate of progress, the engineer may order the contractor to increase their efficiency, to augment their number, or to substitute new tools or equipment as the case may be, and the contractor must conform to such order.
4. Trees, plants, and shrubbery not shown on the plans and not to be removed shall be carefully protected during the progress of the work.
5. The contractor shall furnish, erect and maintain all temporary traffic control devices and facilities. All traffic control devices shall conform to Part VII of the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways.
6. The contractor shall not proceed with construction work or move any materials or equipment on property where the right-of-way has not been acquired.
7. All of the work included in this contract shall meet with the approval of the Logan County Engineer and the Logan County Board of County Commissioners.

GENERAL CONDITIONS

1. The Contract Documents are complementary, and what is called for by any one shall be binding as if called for by all. The intention of the documents are to include all labor and materials, equipment and transportation necessary for the completion of the work. Materials or work described in words which so applied have a well known technical or trade meaning shall be held to such standards.
- a) The State of Ohio Department of Highways Construction and Material Specifications as revised January 1, 1974 shall govern all items of this project.
2. The following Definitions and Terms refer to the State of Ohio Department of Highways Construction and Materials Specifications.
 - a) The State: Whenever the term "The State" appears in the specifications it shall be changed to mean Logan County, acting through its authorized representatives.
 - b) Department: Whenever the term "The Department" appears in the specifications it shall be changed to mean the office of the Logan County Engineer.
 - c) Director: Whenever the term "The Director" appears in the specifications it shall be changed to mean the Logan County Engineer.
 - d) The Engineer: Whenever the work, Engineer, appears in the Contract Documents or specifications it shall mean the Logan County Engineer or his duly authorized representative.
3. The Engineer shall furnish to the Contractor free of charge, all copies of drawings and specifications necessary for the execution of the work.
4. The Contractor shall provide and pay for all materials, labor, water, tools, equipment, lights, power, transportation, and other facilities necessary for the execution, and completion of the work. All materials shall be new and both workmanship and materials shall be of good quality. The Contractor shall, if required, furnish satisfactory evidence of the quality and kind of materials.

The Contractor shall at all times enforce strict discipline and good order among his employees, and shall not employ on the work any unfit person or any one not skilled in the work assigned to him.
5. The Contractor shall pay all royalties and license fees. He shall defend all suits and claims for infringements of any patent rights and shall save the County harmless from loss on account thereof.

6. The Engineer shall furnish all surveys. Permits and licenses of a temporary nature necessary for the prosecution of the work shall be secured by the Contractor.

The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the drawings and specifications are at variance therewith, he shall promptly notify the Engineer, and any necessary change shall be adjusted as provided in the Contract for Changes in the work.

7. The Contractor shall continuously maintain adequate protection on all work from damage. He shall make good such damage, injury, or loss, except as may be due to errors in the Contract Documents. He shall adequately protect adjacent property. He shall provide and maintain all passage ways, barricades, lights, and other facilities for protection required by public authority or local conditions.

In an emergency affecting the safety of life or of the work or adjoining property, the Contractor, without special instructions or authorization from the Engineer, is hereby permitted to act, at his discretion, to prevent such threatened loss of injury, and he shall so act, without appeal, if so instructed and authorized.

8. The Engineer shall at all times have access to the work. If the specifications, the Engineer's instructions, or any public authority require any work to be specially tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection. If any work should be covered up without approval or consent of the Engineer, it must, if required by the Engineer, be uncovered for examination at the Contractor's expense.

9. The Contractor shall at all times keep a satisfactory superintendent on the work, who shall represent the Contractor in his absence and all directions given to him shall be as binding as if given to the Contractor.

10. The County, without invalidating the Contract, subject to Section 5555.69 O.R.C., may order work or make changes by altering, adding to or deducting from the work, the Contract Amount being adjusted accordingly. All such work shall be executed under the conditions of the original contract except that any claim for extension of time caused thereby shall be adjusted at the time of ordering such change.

Except in emergency endangering life or property, no extra work or change shall be made unless in pursuance of a written order by the Engineer and no claim for an addition to the Contract Amount shall be valid unless so ordered.

The value of any such extra work or change shall be determined by estimate and acceptance in a lump sum or by unit prices named in the contract or subsequently agreed upon.

If the Engineer deems it expedient to correct work injured or done not in accordance with the Contract Documents, an equitable deduction from the Contract Amount shall be made therefor.

11. If the Contractor should be adjudged a bankrupt, or be in any manner financially insolvent, or if he should refuse or fail to supply properly skilled workmen or proper materials or otherwise be guilty of a substantial violation of the terms of this Contract then the County, upon written certification by the Engineer that sufficient cause exists to justify such action may without prejudice to any other remedy and after giving the Contractor seven (7) days notice, terminate the employment of the Contractor and take possession of all tools, appliances, and materials thereon, and finish the work by whatever method he may deem expedient. In such case, the Contractor shall not be entitled to receive further payment until the work is finished.

If the unpaid balance in the Contract Price shall exceed the expense of finishing the work, including compensation for additional managerial services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the County.

12. If the Contractor should neglect to prosecute the work properly or fail to perform any provision of the Contract, the County, after three (3) days written notice to the Contractor, may without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor.

13. If the work should be stopped under an order of any court or other public authority for a period of three (3) months through no act or fault of the Contractor or of anyone employed by him, or if the Engineer should fail to issue any estimate within fourteen (14) days after it is due, or if the County should fail to pay the Contractor within fourteen (14) days of its maturity and presentation, any sum certified by the Engineer or awarded by arbitrators, then the Contractor may, upon seven (7) days written notice, terminate the Contract and recover from the County payment for all work executed and any loss sustained upon any materials and reasonable profit.

14. The County may withhold or, on account of subsequently discovered evidence, nullify the whole or a part of any certificate to such extent as may be necessary to protect itself from loss on account of:

- (A) Defective work not remedied.
- (B) Claims filed or evidence indicating probable filing.
- (C) Failure of the contractor to pay bills.
- (D) Doubt that the Contract can be completed for the balance then unpaid.

When above grounds are removed payment shall be made for amounts withheld on account of them.

15. The Contractor shall indemnify and save harmless the County from and against all losses and all claims, demands, payments, suits, actions, recoveries and judgments of every nature and description brought or recovered against the County, by reason of any act or omission of the said Contractor, his agents or employees, in the execution of the work or in the guarding of it.
16. The Contractor shall maintain during the life of this Contract, Workmen's Compensation Insurance for all of his employees to be engaged in work on the project under this Contract.

The Contractor shall also procure and maintain during the life of this Contract, Contractor's Public Liability Insurance in an amount not less than \$100,000 for injuries, including accidental death, to any one person and subject to the same limit for each person in an amount not less than \$300,000 on account of one accident, and the Contractor's Property Damage Insurance in an amount not less than \$100,000. Evidence of same must be submitted upon receipt.
17. The Contractor shall not assign the Contract or sublet it as a whole without the written consent of the County.
18. The Contractor shall carefully preserve bench marks, reference points and stakes, and in case of willful or careless destruction, he shall be charged with the resulting expense.
19. The Engineer shall have general supervision and direction of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract. He shall also have the authority to reject all work and materials which do not conform to the Contract, to direct the application of forces to any part of the work, to order the force increased or diminished, and to decide questions which arise in the execution of the work.
20. The Contractor shall, as directed by the Engineer, remove from public and private property at his expense all temporary structures, rubbish and waste materials resulting from his operations.
21. The Contractor will be expected to pay the prevailing minimum wage to all labor employed on this project as ascertained and determined for Logan County, Ohio, by the Department of Industrial Relations applicable to Public Improvement in accordance with Chapter 4115 of the Revised Code of Ohio. A copy of the said prevailing minimum wage is attached.
22. For each calendar day that any work shall remain uncompleted after the contract completion date, the liquidated damages, as described in 108 of the State of Ohio, Department of Highway's Materials and Specifications, dated January 1, 1975, may be imposed.
23. The Contractor will comply with Sections 153.59 and 153.60 O.R.C., Discrimination and Intimidation on Account of Race, Creed, or Color, and Forfeiture, when performing the work on this Project.



DEPARTMENT OF INDUSTRIAL RELATIONS

Division of Wages and Hours and Minimum Wage

PREVAILING WAGE SECTION

2225 West 7th Avenue, Room 2300

P. O. Box 874

Columbus, Ohio 43216

614-466-1310

June 17, 1975

JAMES A. RHODES
Governor

Chester R. Kurtz, P. E.
Logan County Engineer
Bellefontaine, Ohio 43311

Dear Mr. Kurtz;

We acknowledge your communication of June 9, 1975 requesting prevailing rates of wages on public improvements in LOGAN COUNTY, Logan County Bridge Project Br. 29-2.70.

Future requests for wage rates should contain information on the award date of the contract.

Enclosed are wage schedules approved by this Department as of this date. Schedules enclosed include the following:

Building Construction, including Hod Carriers and Common Laborers.

Hod Carriers and Common Laborers (Highway, Heavy, Sewer, Waterworks, Utility, Airport and Railroad Construction).

Operating Engineers (Building and Highway, Heavy, Railroad, Airport, Sewer and Waterworks Construction).

Cement Masons (Highway and Heavy Construction).

Applicable wage rates should be incorporated in all bidding blanks and contracts.

Thank you for your cooperation.

Yours very truly,

Thomas W. Johnson
Chief of Division

Margaret L. Omohundro

By: Margaret L. Omohundro

HELEN W. EVANS
Director

SAM J. McADOW
Deputy Director

THOMAS W. JOHNSON
Chief of Division

The following pages are prevailing rates of wages on public improvements fairly estimated over \$2,000.00, as ascertained by the Department of Industrial Relations for the county and on the date listed above, and as provided for in Sections 4115.03 through 4115.14 of the Ohio Revised Code.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing rate of wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work and shall be printed on the bidding blanks where the work is done by contract"

A further requirement in Section 4115.04, Ohio Revised Code, is: "A copy of the bidding blank shall be filed with the Department of Industrial Relations before such contract is awarded" The bidding blank should be filed with this Department at the same time that the invitations are furnished to the prospective bidders.

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wages as required in Section 4115.06, Ohio Revised Code.

The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefor, an affidavit stating he has complied with Chapter 4115. of the Ohio Revised Code.

The wage rates contained in this schedule are the "prevailing wages" as defined by Section 4115.03, Ohio Revised Code, and contain basic hourly rates plus certain fringe benefits. These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115., Ohio Revised Code, by contractors and subcontractors or by a letting authority if work is done by force account. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to you as soon as prevailing wage rate increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of the work a legible statement of the schedule of wage rates specified in the contract to the various classifications of laborers, workmen and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07 ORC

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio apprenticeship council.

Your attention is directed to two new provisions of Chapter 4115, Ohio Revised Code, effective September 26, 1974. Amended House Bill #1170 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, ORC, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code. Amended House Bill #1171 provides for an escalator in the prevailing wage rate. Each time a new prevailing wage rate is established by the Department of Industrial Relations, then that rate is required to be paid on all ongoing public improvement projects.

Thomas W. Johnson
Chief of Division

Margaret L. Omohundro

By: Margaret L. Omohundro

Project: Br. 29-2.70

Logan County
County Highway No. 29

P R O P O S A L

LOGAN COUNTY
BOARD OF COUNTY COMMISSIONERS

G. Parker Kennedy
Warren W. Smith
Don Corwin

Chester R. Kurtz, County Engineer

Letting - July 7, 1975

Submitted by _____
Street _____
Post Office _____
State _____

G. W. MELVIN CONTRACTING CO.
1539 WALSH AVE.
COLUMBUS, OHIO 43223

LOGAN COUNTY, OHIO

PROJECT BR. 29-2.70

CONTENTS

	Page No.
Notice to Bidders	1
Instructions to Bidders	2
Proposal	4
Written Contract	7
Special Conditions	8
General Conditions	9
Schedule of Prevailing Hourly Wage Rates	

the Logan County Treasurer, in the amount of one Thousand Dollars (\$1,000.00) as a proposal guarantee. All proposal guarantees, except that of the three lowest bidders, will be returned within (10) days. The proposal guarantee of the successful bidder and all others will be returned after a contract bond has been furnished and the contract has been executed.

A performance bond in the amount of (100%) of the total bid will be required by the successful bidder, to insure faithful performance of the work in accordance with the proposal, plans and specifications.

Bids shall be sealed and endorsed "Sealed Bid - Bridge No. 29-2.70".

The Board of County Commissioners reserves the right to reject any or all bids submitted.

By order of the Board of County Commissioners, Logan County, Ohio.

DAMAGES FOR FAILURE TO EXECUTE CONTRACT: Any bidder whose proposal is accepted will be required to appear in person in the office of the Board of County Commissioners, or if a firm or corporation, a duly authorized representative shall so appear, and to execute the contract within ten (10) days after the notice that the contract has been awarded to him. Failure or neglect to do so shall constitute a breach of the agreement affected by the acceptance of the proposal.

The amount of the bond or certified check accompanying the proposal shall be retained by the County as liquidated damages for such breach. In the event any bidder whose proposal shall be accepted shall fail or refuse to execute the contract as herein provided, the Board of County Commissioners may, at their option, determine that such bidder has abandoned the contract and thereupon his proposal and the acceptance thereof shall be null and void and the County shall be entitled to liquidated damages as above provided.

TIME FOR BEGINNING AND COMPLETION: The contractor shall commence work at his convenience, but the road must be re-opened for traffic by December 1, 1975, and he shall complete the work within the time specified.

PRICES: The prices are to include the furnishing of all materials, plant, tools and all other facilities, and the performance of all labor and services necessary or proper for the completion of the work, except as may be otherwise expressly provided in the contract documents.

INTERPRETATIONS AND ADDENDA: No oral interpretations shall be made to any bidder as to the meaning of any of the contract documents, or be effective to modify any of the contract documents. Every request for an interpretation shall be made in writing and addressed to Chester R. Kurtz, Logan County Engineer, P.O.Box 427, Bellefontaine, Ohio 43311.

UNIT PRICE: The unit prices specified in the "Unit Price Bid" column will govern the awarding of the contract.

The contractor shall make the extensions in "Total Amount Bid" column and also add up the totals. However, the unit prices specified, together with the approximate quantities shall determine the total amount of the bid. If there is an error made in the extensions by the bidder, the total shall be changed as only the unit price shall govern.

PREQUALIFICATION OF BIDDERS: Bids will be accepted only from contractors, who are prequalified with the State of Ohio, Department of Highways, as per Section 102.01 of the State of Ohio, Department of Highway's Construction and Material Specifications, dated January 1, 1974.

PROJECT BR. 29-2.70

Board of Logan County Commissioners
P.O. Box 427
Bellefontaine, Ohio 43311

The Undersigned, having full knowledge of the site, plans and specifications for the following improvement and the conditions of this proposal, hereby agree to furnish all services, labor, materials and equipment necessary to complete the entire project, according to plans, specifications and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

The total amount of the bid, based on the approximate quantities given below and the unit prices specified by the bidder amount to the sum of

One Hundred Thirty Nine Thousand one Thousand Dollars (\$139,020.00)

UNIT PRICE CONTRACT

For improving Logan County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34' 0" design loading HS-20-44, project length 591.47 linear feet.

REF. NO.	ITEM	DESCRIPTION	QUANTITY	UNIT PRICE BID	UNIT AMOUNT BID
<u>ROADWAY</u>					
1.	201	Clearing & Grubbing	Lump	\$ <u>8600.00</u>	\$ <u>8600.00</u>
2.	202	Guard Rail removed & stored	280 L.F.	<u>1.00</u>	<u>280.00</u>
3.	202	Foundation Removed	Lump	\$ <u>50.00</u>	<u>50.00</u>
4.	203	Embankment	3964 C.Y.	<u>2.10</u>	<u>8324.40</u>
5.	203	Excavation not including embankment construction	5356 C.Y.	<u>2.91</u>	<u>15,585.96</u>
6.	606	Guard Rail Type 4	108.84 L.F.	<u>7.50</u>	<u>816.30</u>
Sub-Total Roadway					\$ <u>33,702.66</u>

EROSION CONTROL

7.	601	Rock Channel Protection Type B with bedding	8 C.Y.	\$ <u>18.00</u>	\$ <u>144.00</u>
8.	601	Dumped Rock Fill, Type A	551 C.Y.	<u>18.00</u>	<u>9918.00</u>
9.	659	Seeding & Mulching	8528 S.YD	<u>.38</u>	<u>3240.64</u>
10.	659	Commercial Fertilizer 12-12-12	.77 Ton	<u>400.00</u>	<u>308.00</u>
11.	659	Agricultural Liming	3.84 Ton	<u>70.00</u>	<u>268.80</u>
		Sub-Total Erosion Cont.			\$ <u>13,879.44</u>

Drainage

12.	603	12" Conduct, Type X C, 707.05 707.05	50 L.F.	\$ <u>12.00</u>	<u>600.00</u>
13.	605	Aggregate Drains	280 L.F.	<u>1.15</u>	<u>322.00</u>
		Sub-Total Drainage			\$ <u>922.00</u>

Pavement

14.	304	Aggregate Base	475 C.Y.	\$ <u>12.00</u>	<u>5700.00</u>
15.	404	Asphalt Concrete	104 C.Y.	<u>50.00</u>	<u>5200.00</u>
16.	408	Bituminous Prime Coat 702.09, MC-70 or MC-250	911 Gal.	<u>1.00</u>	<u>911.00</u>
		Sub-Total Pavement			\$ <u>11,811.00</u>

STRUCTURE

17.	202	Structure Removed	Lump	\$	<u>\$ 3830.00</u>
18.	503	Unclassified Excavation	82 C.Y.	<u>10.00</u>	<u>820.00</u>
19.	507	14" Cast in Place Rein- forced Concrete Piles	840 L.F.	<u>14.35</u>	<u>12,054.00</u>
20.	509	Reinforcing Steel	52441 LB.	<u>.24</u>	<u>12,585.84</u>
21.	511	Class C Concrete, Superstructure	211 C.Y.	<u>148.00</u>	<u>31,228.00</u>
22.	511	Class C Concrete, Pier Caps	12 C.Y.	<u>200.00</u>	<u>2400.00</u>

6. The Engineer shall furnish all surveys. Permits and licenses of a temporary nature necessary for the prosecution of the work shall be secured by the Contractor.

The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the drawings and specifications are at variance therewith, he shall promptly notify the Engineer, and any necessary change shall be adjusted as provided in the Contract for Changes in the work.

7. The Contractor shall continuously maintain adequate protection on all work from damage. He shall make good such damage, injury, or loss, except as may be due to errors in the Contract Documents. He shall adequately protect adjacent property. He shall provide and maintain all passage ways, barricades, lights, and other facilities for protection required by public authority or local conditions.

In an emergency affecting the safety of life or of the work or adjoining property, the Contractor, without special instructions or authorization from the Engineer, is hereby permitted to act, at his discretion, to prevent such threatened loss of injury, and he shall so act, without appeal, if so instructed and authorized.

8. The Engineer shall at all times have access to the work. If the specifications, the Engineer's instructions, or any public authority require any work to be specially tested or approved, the Contractor shall give the Engineer timely notice of its readiness for inspection. If any work should be covered up without approval or consent of the Engineer, it must, if required by the Engineer, be uncovered for examination at the Contractor's expense.

9. The Contractor shall at all times keep a satisfactory superintendent on the work, who shall represent the Contractor in his absence and all directions given to him shall be as binding as if given to the Contractor.

10. The County, without invalidating the Contract, subject to Section 5555.69 O.R.C., may order work or make changes by altering, adding to or deducting from the work, the Contract Amount being adjusted accordingly. All such work shall be executed under the conditions of the original contract except that any claim for extension of time caused thereby shall be adjusted at the time of ordering such change.

Except in emergency endangering life or property, no extra work or change shall be made unless in pursuance of a written order by the Engineer and no claim for an addition to the Contract Amount shall be valid unless so ordered.

The value of any such extra work or change shall be determined by estimate and acceptance in a lump sum or by unit prices named in the contract or subsequently agreed upon.

If the Engineer deems it expedient to correct work injured or done not in accordance with the Contract Documents, an equitable deduction from the Contract Amount shall be made therefor.

11. If the Contractor should be adjudged a bankrupt, or be in any manner financially insolvent, or if he should refuse or fail to supply properly skilled workmen or proper materials or otherwise be guilty of a substantial violation of the terms of this Contract then the County, upon written certification by the Engineer that sufficient cause exists to justify such action may without prejudice to any other remedy and after giving the Contractor seven (7) days notice, terminate the employment of the Contractor and take possession of all tools, appliances, and materials thereon, and finish the work by whatever method he may deem expedient. In such case, the Contractor shall not be entitled to receive further payment until the work is finished.

If the unpaid balance in the Contract Price shall exceed the expense of finishing the work, including compensation for additional managerial services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the County.

12. If the Contractor should neglect to prosecute the work properly or fail to perform any provision of the Contract, the County, after three (3) days written notice to the Contractor, may without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor.

13. If the work should be stopped under an order of any court or other public authority for a period of three (3) months through no act or fault of the Contractor or of anyone employed by him, or if the Engineer should fail to issue any estimate within fourteen (14) days after it is due, or if the County should fail to pay the Contractor within fourteen (14) days of its maturity and presentation, any sum certified by the Engineer or awarded by arbitrators, then the Contractor may, upon seven (7) days written notice, terminate the Contract and recover from the County payment for all work executed and any loss sustained upon any materials and reasonable profit.

14. The County may withhold or, on account of subsequently discovered evidence, nullify the whole or a part of any certificate to such extent as may be necessary to protect itself from loss on account of:

- (A) Defective work not remedied.
- (B) Claims filed or evidence indicating probable filing.
- (C) Failure of the Contractor to pay bills.
- (D) Doubt that the Contract can be completed for the balance then unpaid.

When above grounds are removed payment shall be made for amounts withheld on account of them.

15. The Contractor shall indemnify and save harmless the County from and against all losses and all claims, demands, payments, suits, actions, recoveries and judgments of every nature and description brought or recovered against the County, by reason of any act or omission of the said Contractor, his agents or employees, in the execution of the work or in the guarding of it.
16. The Contractor shall maintain during the life of this Contract, Workmen's Compensation insurance for all of his employees to be engaged in work on the project under this Contract.
- The Contractor shall also procure and maintain during the life of this Contract, Contractor's Public Liability Insurance in an amount not less than \$100,000 for injuries, including accidental death, to any one person and subject to the same limit for each person in an amount not less than \$300,000 on account of one accident, and the Contractor's Property Damage Insurance in an amount not less than \$100,000. Evidence of same must be submitted upon receipt.
17. The Contractor shall not assign the Contract or sublet it as a whole without the written consent of the County.
18. The Contractor shall carefully preserve bench marks, reference points and stakes, and in case of willful or careless destruction, he shall be charged with the resulting expense.
19. The Engineer shall have general supervision and direction of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract. He shall also have the authority to reject all work and materials which do not conform to the Contract, to direct the application of forces to any part of the work, to order the force increased or diminished, and to decide questions which arise in the execution of the work.
20. The Contractor shall, as directed by the Engineer, remove from public and private property at his expense all temporary structures, rubbish and waste materials resulting from his operations.
21. The Contractor will be expected to pay the prevailing minimum wage to all labor employed on this project as ascertained and determined for Logan County, Ohio, by the Department of Industrial Relations applicable to Public Improvement in accordance with Chapter 4115 of the Revised Code of Ohio. A copy of the said prevailing minimum wage is attached.
22. For each calendar day that any work shall remain uncompleted after the contract completion date, the liquidated damages, as described in 106 of the State of Ohio, Department of Highway's Materials and Specifications, dated January 1, 1975, may be imposed.
23. The Contractor will comply with Sections 153.59 and 153.60 O.R.C., Discrimination and Intimidation on Account of Race, Creed, or Color, and Forfeiture, when performing the work on this Project.



STATE OF OHIO
DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Women and Minors and Minimum Wage
PREVAILING WAGE SECTION

2323 West Fifth Avenue, Room 2390

P.O. Box 825
Columbus, Ohio 43216
(614) 466-4340

June 17, 1975

JAMES A. RHODES
Governor

Chester R. Kurtz, P. E.
Logan County Engineer
Bellefontaine, Ohio 43311

Dear Mr. Kurtz;

We acknowledge your communication of _____ June 9, 1975 _____ requesting prevailing rates of wages on public improvements in LOGAN COUNTY, Logan County Bridge Project Br. 29-2.70.

Future requests for wage rates should contain information on the award date of the contract.

Enclosed are wage schedules approved by this Department as of this date. Schedules enclosed include the following:

Building Construction, including Hod Carriers and Common Laborers.

Hod Carriers and Common Laborers (Highway, Heavy, Sewer, Waterworks, Utility, Airport and Railroad Construction).

Operating Engineers (Building and Highway, Heavy, Railroad, Airport, Sewer and Waterworks Construction).

Cement Masons (Highway and Heavy Construction).

Applicable wage rates should be incorporated in all bidding blanks and contracts.

Thank you for your cooperation.

Yours very truly,

Thomas W. Johnson
Chief of Division

Margaret L. Omohundro

By: Margaret L. Omohundro

HELEN W. EVANS
Director

SAM J. McADOW
Deputy Director

THOMAS W. JOHNSON
Chief of Division

RECEIVED

JUN 19 1975

LOGAN COUNTY
ENGINEER

JUN 17 1975 DETERMINATION DATE

SEP 15 1975 EXPIRATION DATE

The following pages are prevailing rates of wages on public improvements fairly estimated over \$2,000.00, as ascertained by the Department of Industrial Relations for the county and on the date listed above, and as provided for in Sections 4115.03 through 4115.14 of the Ohio Revised Code.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing rate of wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work and shall be printed on the bidding blanks where the work is done by contract"

A further requirement in Section 4115.04, Ohio Revised Code, is: "A copy of the bidding blank shall be filed with the Department of Industrial Relations before such contract is awarded" The bidding blank should be filed with this Department at the same time that the invitations are furnished to the prospective bidders.

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wages as required in Section 4115.06, Ohio Revised Code.

The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefor, an affidavit stating he has complied with Chapter 4115. of the Ohio Revised Code.

The wage rates contained in this schedule are the "Prevailing Wages" as defined by Section 4115.03, Ohio Revised Code, and contain basic hourly rates plus certain fringe benefits. These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115., Ohio Revised Code, by contractors and subcontractors or by a letting authority if work is done by force account. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to you as soon as prevailing wage rate increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of the work a table statement of the schedule of wage rates specified in the contract to the various classifications of laborers, workmen and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07 ORC

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio apprenticeship council.

Your attention is directed to two new provisions of Chapter 4115, Ohio Revised Code, effective September 26, 1974. Amended House Bill #1170 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, ORC, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code. Amended House Bill #1171 provides for an escalator in the prevailing wage rate. Each time a new prevailing wage rate is established by the Department of Industrial Relations, then that rate is required to be paid on all ongoing public improvement projects.

Thomas W. Johnson
Chief of Division

Margaret L. Omohundro

By: Margaret L. Omohundro

FOOTNOTES

LOGAN

COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT			
			H & W	PENS.	VAC.	APP TR. OTHERS
a- \$.37 + 1% of gross monthly labor payroll						
b- .2%						
c- 2% of Rate- Less than 5 year's service and 2% of hourly rate for supplemental vacation 4% of Rate- More than 5 year's service						
d- per employee per week						
e- per week						
f- 1% of gross monthly labor payroll						
<p>NOTICE Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations</p>						

SKILLED CRAFTS

LOGAN
COUNTY

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H & W	PENS.	VAC	APP. TR.	OTHERS
1-01-75	\$ 9.97	.35	.60		.01	
7-01-75	10.67	.35	.60		.01	
6-29-73	9.25	.40	.65		.02	
8-30-74	11.10	.50	.60		.01	
7-15-75	11.90	.50	.60		.01	
3-09-72	8.05	.15				
8-30-74	11.10	.50	.60		.01	
7-15-75	11.90	.50	.60		.01	
3-09-72	8.05	.15				
3-09-72	8.05	.15				
10-16-74	8.45	.35	.35		.02	
3-09-72	8.05	.15				
10-16-74	9.54	.32	a		.04	
8-05-71	8.82	.195	.20	c	.005	
8-05-71	6.17	.195	.20	c	.005	
3-09-72	8.05	.15				
10-16-74	8.45	.35	.35		.02	
10-16-74	8.45	.35	.35		.02	
10-16-74	8.45	.35	.35		.02	
3-09-72	8.05	.15				
3-09-72	8.05	.15				
10-16-74	8.85	.35	.10		.01	
10-16-74	8.45	.35	.35		.02	
11-01-69	6.10	.15				
10-16-74	8.75	.35	.35		.02	

NOTES

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

PAINTERS

LOGAN

COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT			
			H & W	PENS.	VAC.	APP. TR. OTHERS
Brush-----	8-28-72	\$ 6.90		.25		
Swing-----	8-28-72	7.25		.25		
Spray-----	8-28-72	7.60		.25		
Steel Work- Structural Steel-----	8-28-72	7.45		.25		
Steeple Jack Work-----	8-28-72	8.25		.25		
Rollers, except Epoxie-----	8-28-72	6.90		.25		
Metal Pipes, Pipe Covering-----	8-28-72	6.90		.25		
Sanding, Cleaning, Erecting-----	8-28-72	6.90		.25		
Painting- Removing Drop Cloths-----	8-28-72	6.90		.25		
Dry Wall Tapers-----	8-28-72	7.25		.25		
Sandblasting, Sand or Steam-----	8-28-72	7.70		.25		
Application of Epoxie-----	8-28-72	.50 add.		.25		
Paperhanger-----	8-28-72	6.90		.25		
Paperhanger, Own Tools-----	8-28-72	7.45		.25		
Removing Paper with Steam-----	8-28-72	7.25		.25		

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

SKILLED CRAFTS

LOGAN
COUNTY

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H A W	PENS.	VAC.	APP. TR.	OTHERS
7-05-74	\$ 8.30	.45	.10		.01	
1-01-75	10.01	.35	.60		.04	.03
7-01-75	10.61	.35	.60		.04	.03
6-29-73	9.25	.40	.65		.02	
6-29-73	9.25	.40	.65		.02	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.275	.60	.65		.045	
1-01-75	9.80	.40	.60		.12	.34
7-01-75	10.21	.40	.60		.12	.34
1-01-75	10.01	.35	.60		.04	.03
7-01-75	10.61	.35	.60		.04	.03
6-29-73	9.25	.40	.65		.02	
3-09-72	8.05	.15				
3-09-72	8.05	.15				
11-01-69	6.10	.15				
11-01-69	6.10	.15				

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

- Plasterers-----
- Plumbers-----
- Reinforcing Placers-----
- Riggers and Machinery Movers-----
- Roofers, Composition-----
- Roofers, Dampproofers- Spray-----
- Roofers, Waterproofers-----
- Roofs, Slate and Tile-----
- Sheet Metal Workers-----
- Steamfitters-----
- Steel Sash Erectors-----
- Stonemasons-----
- Stonemason Cutters-----
- Terrazzo and Mosaic-----
- Tile Setters-----

MISCELLANEOUS BUILDING

LOGAN
COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
			H A W	PENS.	VAC.	APP. TR.	OTHERS
Glaziers-----	7-01-70	\$ 5.45		.20	.10		
Linemen-----	12-01-69	6.60	.15	c		.2%	
Pile Drivers-----	10-16-74	8.75	.35	.35		.02	
Welder-----	6-29-73	9.25	.40	.65		.02	
Fence Erectors-----	6-29-73	9.25	.40	.65		.02	
Sheeters-----	6-29-73	9.25	.40	.65		.02	

NOTICE
Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

TRUCK DRIVERS - BUILDING

LOGAN
COUNTY

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H B W	PENS.	VAC.	APP. TR.	OTHERS
10-16-74	\$ 5.20	7.00e	6.00e			
10-16-74	5.45	7.00e	6.00e			

Truck Drivers and Helpers-----

Low Boys-----

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

TRUCK DRIVERS - HEAVY AND HIGHWAY

LOGAN

COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT			
			H & W	PENS.	VAC.	APP. TR. OTHERS
Drivers, including, but not limited to, 4-Wheel Service Trucks; 4-Wheel Dump Trucks; Batch Trucks; Oil Distributors; Asphalt Distributors-----	5-01-75	\$ 7.27	16.00d	6.00d		
Drivers, Tandem Trucks-----	5-01-75	7.32	16.00d	6.00d		
Drivers, Tractor-Trailer Combinations, including, but not limited to, Semi Tractor Trucks; Pole Trailers; Ready Mix Trucks; Fuel Trucks; Asphalt-Oil Spray-Bar Man when Operated from Cab*-----	5-01-75	7.37	16.00d	6.00d		
All Trucks Five(5) Axle and Over-----	5-01-75	7.47	16.00d	6.00d		
*Asphalt-Oil Spray-Bar Man when Operated from Cab-----	5-01-75	7.57	16.00d	6.00d		
Drivers, Euclid Wagons; Euclid End Dumps; Low Boys and Heavy Duty Equipment over 12 Cubic Yard Capacity (Irrespective of Load Carried) When Used Exclusively for Transportation; Truck Mechanics (When Needed)-----	5-01-75	7.74	16.00d	6.00d		
						NOTICE Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

SUPPLEMENTAL SPECIFICATION
FOR THE CONSTRUCTION OF
BRIDGE NO. 29-2.70
LOGAN COUNTY

SPECIFICATIONS FOR SINMAST DEEP CONSERVATION

I. GENERAL:

The scope of this contract shall include all labor, materials, and equipment as shown on the drawings or herein specified. The materials placed--its qualities, color, and properties--shall be at least equal to what has been specified herein. The product specified is SINMAST DEEP CONSERVATION, Product No. 1, manufactured by SINMAST OF AMERICA, INC., 1200 Greenleaf Avenue, Elk Grove Village, Illinois, 60007, and supplied by authorized, factory-trained Dealers.

The contractor shall select a supplier of the materials before submitting a bid for this work.

II. MATERIALS:

A. Penetrating Sealer

The penetrating sealer shall be a two-component, modified epoxy system, consisting of a modified resin, curing agents and a select blend of aromatic solvents.

1. Component A (modified epoxy resins) shall be a blend of select grades of aromatic solvents with fast evaporation qualities, a modified epoxy resin blend containing special modified Bisphenol A intermediates and shall meet the following requirements:

Weight per gallon, lbs.	7.15-7.35
Viscosity at 25°C, Average cps.	2.4*
Specific gravity.	0.86-0.88
Color	Clear

Brookfield Model LVF:
*Spindle #1, 60 rpm
**Spindle #2, 60 rpm

2. Component B (Curing Agent) shall be a propriety mixed polyamide and shall meet the following requirements:

Weight per gallon, lbs. 8.08-8.28
Viscosity at 25°C, Average cps. 200.0**
Specific gravity. 0.97-0.99
Color Dark Brown

3. Special Note

No plasticizers, flexibilizers, oils or diluents that remain unreactive in the resin or curing agents are permitted in the formulation.

4. Mixing of Components A and B

Add Component B into Component A and blend until evenly mixed.

Ratio of product mixtures: Component A 90%, and Component B 10%, all measurements by weight.

5. Properties of Mixed Product

Weight per gallon, lbs. 7.24-7.44
Viscosity at 25°C, Average cps. 3.2**
Specific gravity. 0.87-0.89
Solids by weight. 15%
Color Clear
Potlife 25°C, (77°F). 6 Hours Plus or
Flexibility No breaking or cracking of film with normal concrete movements.
Film. No film shall be present on surface of the concrete.
Glare None
Skid Properties No change from existing conditions prior to application, unless sand is added.
Gel Time 1-2 hours after application

Traffic allowed over treated concrete as soon as solvents evaporate from surface, 15-45 minutes. Workable temperatures down to +50°F. (-15°C.).

6. Packaging and Marking

Each container shall be clearly marked with product name, component designation ("A" or "B"), manufacturer's name, batch number, and ratio of component mixtures. Container sizes: 6½ and 55 gallon drums.

III. APPLICATION:

A. Determine rate of application by applying Sinnast Deep Conservation over a test area. Mark off three areas one square foot each. Two coats will be required for proper application. Normally the first coat will be the lightest application rate and the second will be a heavier coat (more solids are being applied per square foot on the second application). Remember that a film should never develop on the surface of the concrete. If a film develops the material is being applied too thick and the rate of application should be reduced. Brush the Sinnast Deep Conservation over the test area. After applying the first coat, the second may be applied when the solvent has evaporated from the surface. As a guide only, the following general specifications for highway concrete will normally require two applications at the approximate rates shown below. Please remember the application rates are determined by the porosity of the concrete and each job must be individually determined.

TYPICAL HIGHWAY CONCRETE SPECIFICATIONS

Compressive Strength 5,000-6,000 psi

PROPERTIES OF PLASTIC CONCRETE

Slump 3" to 4"
Air Content 4.75 to 6.0%

FIRST APPLICATION OF SINMAST DEEP CONSERVATION

1 gallon per 200-300 sq. ft.

SECOND APPLICATION OF SINMAST DEEP CONSERVATION

1 gallon per 75-125 sq. ft.

The following figures will assist you in determining the correct application rates. A one-inch brush will normally hold about ten grams of Sinnast Deep Conservation. Figures are approximate; however, will enable you to determine proper application of each coating.

<u>SQ. FT. PER GALLON</u>	<u>GRAMS PER SQ. FT.</u>
50	68.0
75	45.3
100	34.0
125	27.2
150	22.6
175	19.4
200	17.0
250	13.6
300	11.3
350	9.7
400	8.5

B. NEW CONCRETE APPLICATIONS

Normally no blasting or grinding of the surface to be treated will be necessary, however, if laitence is weak or spalling has occurred the surfaces should be thoroughly cleaned down to solid concrete. Wash all debris and dirt from the concrete with clean water or blow clean with an air blast. Allow to dry before applying material.

- C. After rates of application have been determined the Sinmast Deep Conservation may be applied by power spray equipment, rollers, or brushes.
- D. Traffic may drive over treated surface as soon as solvents have evaporated or concrete looks dry.

Project: Br. 29-2.70

Logan County
County Highway No. 29

P R O P O S A L

LOGAN COUNTY
BOARD OF COUNTY COMMISSIONERS

G. Parker Kennedy
Warren W. Smith
Don Corwin

Chester R. Kurtz, County Engineer

Letting - July 7, 1975

Submitted by _____

Street _____

Post Office _____

State _____

LOGAN COUNTY, OHIO

PROJECT BR. 29-2.70

CONTENTS

	Page No.
Notice to Bidders	1
Instructions to Bidders	2
Proposal	4
Written Contract	7
Special Conditions	8
General Conditions	9
Schedule of Prevailing Hourly Wage Rates	

NOTICE TO BIDDERS

County of Logan
Board of County Commissioners
Bellevfontaine, Ohio

Sealed bids will be received at the office of the County Engineer, Logan County, Ohio until 10:00 A.M. Ohio Standard Time, Monday, July 7, 1975 for the improving of County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34'0", design loading HS-20-44, project length 591.47 linear feet; at which time they will be opened and publicly read aloud.

Construction plans, specifications and contract documents may be obtained from the office of the Logan County Engineer, P.O. Box 427, County Road No. 13, Bellevfontaine, Ohio. Bid proposals will be furnished at no cost upon request.

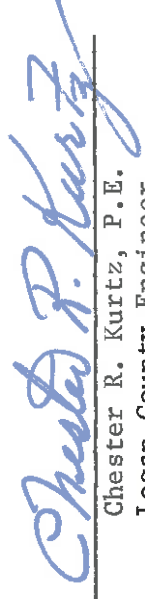
Each bid shall contain the full name of each person or company interested and shall be accompanied by a certified check, payable to the Logan County Treasurer, in the amount of one Thousand Dollars (\$1,000.00) as a proposal guarantee. All proposal guarantees, except that of the three lowest bidders, will be returned within (10) days. The proposal guarantee of the successful bidder and all others will be returned after a contract bond has been furnished and the contract has been executed.

A performance bond in the amount of (100%) of the total bid will be required by the successful bidder, to insure faithful performance of the work in accordance with the proposal, plans and specifications.

Bids shall be sealed and endorsed "Sealed Bid - Bridge No. 29-2.70".

The Board of County Commissioners reserves the right to reject any or all bids submitted.

By order of the Board of County Commissioners, Logan County, Ohio.


Chester R. Kurtz, P.E.
Logan County Engineer

Posted June 17, 1975

Advertised June 23, 30, 1975

INSTRUCTIONS TO BIDDERS

DATE AND PLACE FOR OPENING PROPOSALS. Pursuant to the Legal Notice, sealed proposals for performing the work will be received by the Board of County Commissioners of Logan County, Ohio.

At the time and place set forth in said notice, they will be publicly opened by the County Engineer and read; the awarding of the contract, if awarded, will be made by the Board of County Commissioners as soon thereafter as practicable.

FORM FOR PROPOSALS: All proposals shall be made upon the blank form of proposal attached hereto, and should give the lump sum price or unit prices for the work, and must be signed by the bidder in accordance with the directions in the form of proposal.

OMMISSIONS AND DISCREPANCIES: Should a bidder find discrepancies in, or omissions from the drawings or other contract documents, or should he be in doubt as to their meaning, he shall at once notify the Engineer who may send a written instruction to all bidders.

ACCEPTANCE OR REJECTION OF PROPOSALS: The County reserves the right to reject any or all proposals. Without limiting the generality of the foregoing, any proposal which is incomplete, obscure, or irregular may be rejected; any proposal having erasures or corrections in the price sheet may be rejected; any proposal in which unit prices are omitted or in which unit prices are unbalanced, may be rejected; any proposal accompanied by an insufficient or irregular bond or certified check may be rejected.

CERTIFIED CHECK OR PROPOSAL BOND: All proposals shall be accompanied by a proposal bond with a surety satisfactory to the County or a certified check on a solvent bank made payable to the Logan County Treasurer, in the amount of One Thousand Dollars (\$1,000.00). Such check or bond is to serve as a guarantee that if the proposal is accepted, a contract will be entered into and the performance of it properly secured.

All certified checks or proposal bonds shall be returned on demand within ten (10) days after the proposals are opened except those of the three lowest bidders which shall be held until the successful bidder has executed the contract. Thereafter all remaining checks or bonds, including that of the successful bidder, will be returned.

ACCEPTANCE OF PROPOSAL: Within thirty (30) days after the opening of proposals, the Board of County Commissioners will act upon them. The acceptance of a proposal shall bind the successful bidder to execute the contract, and to be responsible for liquidated damages as provided herein. The rights and obligations provided for in the contract shall become effective and binding upon the parties only with its formal execution by the Logan County Board of Commissioners.

DAMAGES FOR FAILURE TO EXECUTE CONTRACT: Any bidder whose proposal is accepted will be required to appear in person in the office of the Board of County Commissioners, or if a firm or corporation, a duly authorized representative shall so appear, and to execute the contract within ten (10) days after the notice that the contract has been awarded to him. Failure or neglect to do so shall constitute a breach of the agreement affected by the acceptance of the proposal.

The amount of the bond or certified check accompanying the proposal shall be retained by the County as liquidated damages for such breach. In the event any bidder whose proposal shall be accepted shall fail or refuse to execute the contract as herein provided, the Board of County Commissioners may, at their option, determine that such bidder has abandoned the contract and thereupon his proposal and the acceptance thereof shall be null and void and the County shall be entitled to liquidated damages as above provided.

TIME FOR BEGINNING AND COMPLETION: The contractor shall commence work at his convenience, but the road must be re-opened for traffic by December 1, 1975, and he shall complete the work within the time specified.

PRICES: The prices are to include the furnishing of all materials, plant, tools and all other facilities, and the performance of all labor and services necessary or proper for the completion of the work, except as may be otherwise expressly provided in the contract documents.

INTERPRETATIONS AND ADDENDA: No oral interpretations shall be made to any bidder as to the meaning of any of the contract documents, or be effective to modify any of the contract documents. Every request for an interpretation shall be made in writing and addressed to Chester R. Kurtz, Logan County Engineer, P.O.Box 427, Bellefontaine, Ohio 43311.

UNIT PRICE: The unit prices specified in the "Unit Price Bid" column will govern the awarding of the contract.

The contractor shall make the extensions in "Total Amount Bid" column and also add up the totals. However, the unit prices specified, together with the approximate quantities shall determine the total amount of the bid. If there is an error made in the extensions by the bidder, the total shall be changed as only the unit price shall govern.

PREQUALIFICATION OF BIDDERS: Bids will be accepted only from contractors, who are prequalified with the State of Ohio, Department of Highways, as per Section 102.01 of the State of Ohio, Department of Highway's Construction and Material Specifications, dated January 1, 1974.

PROJECT BR. 29-2.70

Board of Logan County Commissioners
P.O. Box 427
Bellevfontaine, Ohio 43311

The Undersigned, having full knowledge of the site, plans and specifications for the following improvement and the conditions of this proposal, hereby agree to furnish all services, labor, materials and equipment necessary to complete the entire project, according to plans, specifications and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

The total amount of the bid, based on the approximate quantities given below and the unit prices specified by the bidder amount to the sum of

_____ Dollars (\$ _____)

UNIT PRICE CONTRACT

For improving Logan County Road 29 in Monroe Township by grading, draining, surfacing with asphalt concrete on aggregate base and replacing bridge BR 29-2.70 with a three span continuous reinforced concrete slab bridge on capped pile abutments and piers, spans 32'0", 40'0", 32'0", roadway 34' 0" design loading HS-20-44, project length 591.47 linear feet.

REF.	ITEM	DESCRIPTION	QUANTITY	UNIT PRICE BID	UNIT AMOUNT BID
<u>ROADWAY</u>					
1.	201	Clearing & Grubbing	Lump	\$ _____	\$ _____
2.	202	Guard Rail removed & stored	280 L.F.	_____	_____
3.	202	Foundation Removed	Lump	_____	_____
4.	203	Embankment	3964 C.Y.	_____	_____
5.	203	Excavation not including embankment construction	5356 C.Y.	_____	_____
6.	606	Guard Rail Type 4	108.84 L.F.	_____	_____
				Sub-Total Roadway	\$ _____

EROSION CONTROL

7.	601	Rock Channel Protection Type B with bedding	8 C.Y.	\$	\$
8.	601	Dumped Rock Fill, Type A	551 C.Y.		
9.	659	Seeding & Mulching	8528 S.F.		
10.	659	Commercial Fertilizer 12-12-12	.77 Ton		
11.	659	Agricultural Liming	3.84 Ton		
		Sub-Total Erosion Cont.		\$	

Drainage

12.	603	12" Conduct, Type X C, 707.19 707.05	50 L.F.	\$	
13.	605	Aggregate Drains	280 L.F.		
		Sub-Total Drainage		\$	

Pavement

14.	304	Aggregate Base	475 C.Y.	\$	
15.	404	Asphalt Concrete	104 C.Y.		
16.	408	Bituminous Prime Coat 702.09, MC-70 or MC-250	911 Gal.		
		Sub-Total Pavement		\$	

STRUCTURE

17.	202	Structure Removed	Lump	\$	
18.	503	Unclassified Excavation	82 C.Y.		
19.	507	14" Cast in Place Rein- forced Concrete Piles	840 L.F.		
20.	509	Reinforcing Steel	52441 LB.		
21.	511	Class C Concrete, Superstructure	211 C.Y.		
22.	511	Class C Concrete, Pier Caps	12 C.Y.		

STRUCTURE (Cont.)

23.	511	Class C _v Concrete, Abutments	42 C.Y.	\$ _____	\$ _____
24.	517	Railing (Deep Beam Rail With Steel Posts and Bolts)	216.18 L.F.	_____	_____
25.	518	Porous Backfill	13 C.Y.	_____	_____
26.		Special Concrete Surface Treatment	Lump	_____	_____
27.	808	Chemical Admixture for Concrete, Type A,B, or D	211 Unit	_____	_____
		Sub-Total Structure		\$ _____	\$ _____
<u>Miscellaneous</u>					
28.		Special Premium on Industrial Insurance	Lump	\$ _____	\$ _____
19.	614	Maintaining Traffic	Lump	_____	_____
		Sub-Total Miscellaneous		\$ _____	\$ _____
		TOTAL BID		\$ _____	\$ _____

WRITTEN CONTRACT

On acceptance of the proposal for said work _____ do hereby bind
_____ I or we
myself or ourselves this _____ day of _____, 1975,

to enter into a written contract with the Logan County Engineer within
ten (10) days from date of notice of award.

IF AN INDIVIDUAL, SIGN BELOW:

Name _____ Address _____

IF AN INDIVIDUAL DOING BUSINESS UNDER A TRADE NAME, SIGN BELOW:

Trade Name _____ Address _____

By _____ Sole Owner _____

IF A PARTNERSHIP, SIGN BELOW:

Name of Partnership _____ Address _____

By _____

Partner _____ Address _____

Partner _____ Address _____

Partner _____ Address _____

Partner _____ Address _____

IF A CORPORATION, SIGN BELOW:

Name of Corporation _____

Incorporated under the laws of the State of _____

By _____ Signature _____

Title of officer signing

SPECIAL CONDITIONS

1. The Engineer shall furnish to the contractor line and grade stakes as required for the work. It shall be the responsibility of the contractor to preserve all stakes and bench marks. Any destroyed shall be replaced at the expense of the contractor.
2. Excavation in the vicinity of existing structures or utilities shall be carefully done and the contractor shall be held responsible for damage to and for maintenance and protection of same.
3. If at any time before the commencement or during the progress of the work, tools and equipment appear to the engineer to be insufficient or inappropriate to secure the quality of the work required at the proper rate of progress, the engineer may order the contractor to increase their efficiency, to augment their number, or to substitute new tools or equipment as the case may be, and the contractor must conform to such order.
4. Trees, plants, and shrubbery not shown on the plans and not to be removed shall be carefully protected during the progress of the work.
5. The contractor shall furnish, erect and maintain all temporary traffic control devices and facilities. All traffic control devices shall conform to Part VII of the Ohio Manual of Uniform Traffic Control Devices for Streets and Highways.
6. The contractor shall not proceed with construction work or move any materials or equipment on property where the right-of-way has not been acquired.
7. All of the work included in this contract shall meet with the approval of the Logan County Engineer and the Logan County Board of County Commissioners.

GENERAL CONDITIONS

1. The Contract Documents are complementary, and what is called for by any one shall be binding as if called for by all. The intention of the documents are to include all labor and materials, equipment and transportation necessary for the completion of the work. Materials or work described in words which so applied have a well known technical or trade meaning shall be held to such standards.
- a) The State of Ohio Department of Highways Construction and Material Specifications as revised January 1, 1974 shall govern all items of this project.
2. The following Definitions and Terms refer to the state of Ohio Department of Highways Construction and Materials Specifications.
 - a) The State: Whenever the term "The State" appears in the specifications it shall be changed to mean Logan County, acting through its authorized representatives.
 - b) Department: Whenever the term "The Department" appears in the specifications it shall be changed to mean the office of the Logan County Engineer.
 - c) Director: Whenever the term "The Director" appears in the specifications it shall be changed to mean the Logan County Engineer.
 - d) The Engineer: Whenever the work, Engineer, appears in the Contract Documents or specifications it shall mean the Logan County Engineer or his duly authorized representative.
3. The Engineer shall furnish to the Contractor free of charge, all copies of drawings and specifications necessary for the execution of the work.
4. The Contractor shall provide and pay for all materials, labor, water, tools, equipment, lights, power, transportation, and other facilities necessary for the execution, and completion of the work. All materials shall be new and both workmanship and materials shall be of good quality. The Contractor shall, if required, furnish satisfactory evidence of the quality and kind of materials.
- The Contractor shall at all times enforce strict discipline and good order among his employees, and shall not employ on the work any unfit person or any one not skilled in the work assigned to him.
5. The Contractor shall pay all royalties and license fees. He shall defend all suits and claims for infringements of any patent rights and shall save the County harmless from loss on account thereof.

If the Engineer deems it expedient to correct work injured or done not in accordance with the Contract Documents, an equitable deduction from the Contract Amount shall be made therefor.

11. If the Contractor should be adjudged a bankrupt, or be in any manner financially insolvent, or if he should refuse or fail to supply properly skilled workmen or proper materials or otherwise be guilty of a substantial violation of the terms of this Contract then the County, upon written certification by the Engineer that sufficient cause exists to justify such action may without prejudice to any other remedy and after giving the Contractor seven (7) days notice, terminate the employment of the Contractor and take possession of all tools, appliances, and materials thereon, and finish the work by whatever method he may deem expedient. In such case, the Contractor shall not be entitled to receive further payment until the work is finished.

If the unpaid balance in the Contract Price shall exceed the expense of finishing the work, including compensation for additional managerial services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the County.

12. If the Contractor should neglect to prosecute the work properly or fail to perform any provision of the Contract, the County, after three (3) days written notice to the Contractor, may without prejudice to any other remedy it may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due the Contractor.

13. If the work should be stopped under an order of any court or other public authority for a period of three (3) months through no act or fault of the Contractor or of anyone employed by him, or if the Engineer should fail to issue any estimate within fourteen (14) days after it is due, or if the County should fail to pay the Contractor within fourteen (14) days of its maturity and presentation, any sum certified by the Engineer or awarded by arbitrators, then the Contractor may, upon seven (7) days written notice, terminate the Contract and recover from the County payment for all work executed and any loss sustained upon any materials and reasonable profit.

14. The County may withhold or, on account of subsequently discovered evidence, nullify the whole or a part of any certificate to such extent as may be necessary to protect itself from loss on account of:

- (A) Defective work not remedied.
- (B) Claims filed or evidence indicating probable filing.
- (C) Failure of the Contractor to pay bills.
- (D) Doubt that the Contract can be completed for the balance then unpaid.

When above grounds are removed payment shall be made for amounts withheld on account of them.

15. The Contractor shall indemnify and save harmless the County from and against all losses and all claims, demands, payments, suits, actions, recoveries and judgments of every nature and description brought or recovered against the County, by reason of any act or omission of the said Contractor, his agents or employees, in the execution of the work or in the guarding of it.

16. The Contractor shall maintain during the life of this Contract, Workmen's Compensation Insurance for all of his employees to be engaged in work on the project under this Contract.

The Contractor shall also procure and maintain during the life of this Contract, Contractor's Public Liability Insurance in an amount not less than \$100,000 for injuries, including accidental death, to any one person and subject to the same limit for each person in an amount not less than \$300,000 on account of one accident, and the Contractor's Property Damage Insurance in an amount not less than \$100,000. Evidence of same must be submitted upon receipt.

17. The Contractor shall not assign the Contract or sublet it as a whole without the written consent of the County.

18. The Contractor shall carefully preserve bench marks, reference points and stakes, and in case of willful or careless destruction, he shall be charged with the resulting expense.

19. The Engineer shall have general supervision and direction of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract. He shall also have the authority to reject all work and materials which do not conform to the Contract, to direct the application of forces to any part of the work, to order the force increased or diminished, and to decide questions which arise in the execution of the work.

20. The Contractor shall, as directed by the Engineer, remove from public and private property at his expense all temporary structures, rubbish and waste materials resulting from his operations.

21. The Contractor will be expected to pay the prevailing minimum wage to all labor employed on this project as ascertained and determined for Logan County, Ohio, by the Department of Industrial Relations applicable to Public Improvement in accordance with Chapter 4115 of the Revised Code of Ohio. A copy of the said prevailing minimum wage is attached.

22. For each calendar day that any work shall remain uncompleted after the contract completion date, the liquidated damages, as described in 108 of the State of Ohio, Department of Highway's Materials and Specifications, dated January 1, 1975, may be imposed.

23. The Contractor will comply with Sections 153.59 and 153.60 O.R.C., Discrimination and Intimidation on Account of Race, Creed, or Color, and Forfeiture, when performing the work on this Project.



STATE OF OHIO
DEPARTMENT OF INDUSTRIAL RELATIONS
 Division of Women and Minors and Minimum Wage
 PREVAILING WAGE SECTION

2323 West Fifth Avenue, Room 2390
 P.O. Box 825
 Columbus, Ohio 43216
 (614) 466-4340

HELEN W. EVANS
 Director

SAM J. McADOW
 Deputy Director

JAMES A. RHODES
 Governor

June 17, 1975

THOMAS W. JOHNSON
 Chief of Division

Chester R. Kurtz, P. E.
 Logan County Engineer
 Bellefontaine, Ohio 43311

RECEIVED

JUN 19 1975

LOGAN COUNTY
 ENGINEER

Dear Mr. Kurtz;

We acknowledge your communication of June 9, 1975 requesting prevailing rates of wages on public improvements in **LOGAN COUNTY, Logan County Bridge Project Br. 29-2.70.**

Future requests for wage rates should contain information on the award date of the contract.

Enclosed are wage schedules approved by this Department as of this date. Schedules enclosed include the following:

Building Construction, including Hod Carriers and Common Laborers.

Hod Carriers and Common Laborers (Highway, Heavy, Sewer, Waterworks, Utility, Airport and Railroad Construction).

Operating Engineers (Building and Highway, Heavy, Railroad, Airport, Sewer and Waterworks Construction).

Cement Masons (Highway and Heavy Construction).

Applicable wage rates should be incorporated in all bidding blanks and contracts.

Thank you for your cooperation.

Yours very truly,

Thomas W. Johnson
 Chief of Division

Margaret L. Omohundro

By: Margaret L. Omohundro

JUN 17 1975 DETERMINATION DATE

SEP 15 1975 EXPIRATION DATE

The following pages are prevailing rates of wages on public improvements fairly estimated over \$2,000.00, as ascertained by the Department of Industrial Relations for the county and on the date listed above, and as provided for in Sections 4115.03 through 4115.14 of the Ohio Revised Code.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing rate of wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work and shall be printed on the bidding blanks where the work is done by contract"

A further requirement in Section 4115.04, Ohio Revised Code, is: "A copy of the bidding blank shall be filed with the Department of Industrial Relations before such contract is awarded" The bidding blank should be filed with this Department at the same time that the invitations are furnished to the prospective bidders.

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wages as required in Section 4115.06, Ohio Revised Code.

The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefor, an affidavit stating he has complied with Chapter 4115. of the Ohio Revised Code.

The wage rates contained in this schedule are the "Prevailing Wages" as defined by Section 4115.03, Ohio Revised Code, and contain basic hourly rates plus certain fringe benefits. These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115., Ohio Revised Code, by contractors and subcontractors or by a letting authority if work is done by force account. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to you as soon as prevailing wage rate increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of the work a legible statement of the schedule of wage rates specified in the contract to the various classifications of laborers, workmen and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07 ORC

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio apprenticeship council.

Your attention is directed to two new provisions of Chapter 4115, Ohio Revised Code, effective September 26, 1974. Amended House Bill #1170 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, ORC, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code. Amended House Bill #1171 provides for an escalator in the prevailing wage rate. Each time a new prevailing wage rate is established by the Department of Industrial Relations, then that rate is required to be paid on all ongoing public improvement projects.

Thomas W. Johnson
Chief of Division

Margaret A. Omohundro

By: Margaret L. Omohundro

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H & W	PENS.	VAC.	APP. TR.	OTHERS
a- \$.37 + 1% of gross monthly labor payroll						
b- .2%						
c- 2% of Rate- Less than 5 year's service 4% of Rate- More than 5 year's service and 2% of hourly rate for supplemental vacation						
d- per employee per week						
e- per week						
f- 1% of gross monthly labor payroll						

NOTICE
 Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

SKILLED CRAFTS

LOGAN
COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
			H & W	PENS.	VAC.	APP. TR.	OTHERS
Asbestos Workers-----	1-01-75	\$ 9.97	.35	.60		.01	
B.S.& O. Ironworkers-----	7-01-75	10.67	.35	.60		.01	
Blacksmiths-----	6-29-73	9.25	.40	.65		.02	
Blocklayers-----	8-30-74	11.10	.50	.60		.01	
Boilermakers-----	7-15-75	11.90	.50	.60		.01	
Bricklayers-----	3-09-72	8.05	.15				
Bricklayers, Sewer-----	8-30-74	11.10	.50	.60		.01	
Carpenters-----	7-15-75	11.90	.50	.60		.01	
Cement Masons-----	3-09-72	8.05	.15				
Electricians-----	3-09-72	8.05	.15				
Elevator Constructors-----	10-16-74	8.45	.35	.35		.02	
Elevator Helpers-----	3-09-72	8.05	.15				
Flagstone Layers-----	3-09-72	8.05	.15				
Floor Layers, Soft-----	10-16-74	8.45	.35	.35		.02	
Floor Layers, Resilient-----	10-16-74	8.45	.35	.35		.02	
Floor Scrapers, Sanders-----	10-16-74	8.45	.35	.35		.02	
Granite Masons-----	3-09-72	8.05	.15				
Granite Setters-----	3-09-72	8.05	.15				
Lathers-----	10-16-74	8.85	.35	.10		.01	
Linoleum Layers-----	10-16-74	8.45	.35	.35		.02	
Marble Masons-----	11-01-69	6.10	.15				
Millwrights-----	10-16-74	8.75	.35	.35		.02	

NOTICE
Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H A W	PENS.	VAC.	APP. TR.	OTHERS
8-28-72	\$ 6.90		.25			
8-28-72	7.25		.25			
8-28-72	7.60		.25			
8-28-72	7.45		.25			
8-28-72	8.25		.25			
8-28-72	6.90		.25			
8-28-72	6.90		.25			
8-28-72	6.90		.25			
8-28-72	6.90		.25			
8-28-72	7.25		.25			
8-28-72	7.70		.25			
8-28-72	.50 add.		.25			
8-28-72	6.90		.25			
8-28-72	7.45		.25			
8-28-72	7.25		.25			

- Brush-----
- Swing-----
- Spray-----
- Steel Work- Structural Steel-----
- Steeple Jack Work-----
- Rollers, except Epoxie-----
- Metal Pipes, Pipe Covering-----
- Sanding, Cleaning, Erecting-----
- Placing- Removing Drop Cloths-----
- Dry Wall Tapers-----
- Sandblasting, Sand or Steam-----
- Application of Epoxie-----
- Paperhanger-----
- Paperhanger, Own Tools-----
- Removing Paper with Steam-----

NOTICE

Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

SKILLED CRAFTS

LOGAN
COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
			H & W	PENS.	VAC.	APP. TR.	OTHERS
Plasterers-----	7-05-74	\$ 8.30	.45	.10		.01	
Plumbers-----	1-01-75	10.01	.35	.60		.04	.03
Reinforcing Placers-----	7-01-75	10.61	.35	.60		.04	.03
Riggers and Machinery Movers-----	6-29-73	9.25	.40	.65		.02	
Roofers, Composition-----	6-29-73	9.25	.40	.65		.02	
Roofers, Dampproofer-----	1-01-75	9.275	.60	.65		.045	
Roofers, Waterproofer-----	1-01-75	9.275	.60	.65		.045	
Roofers, Slate and Tile-----	1-01-75	9.275	.60	.65		.045	
Sheet Metal Workers-----	1-01-75	9.80	.40	.60		.12	.34
Steamfitters-----	7-01-75	10.21	.40	.60		.12	.03
Steel Sash Erectors-----	1-01-75	10.01	.35	.60		.04	.03
Stonemasons-----	7-01-75	10.61	.35	.60		.04	.03
Stonemason Cutters-----	6-29-73	9.25	.40	.65		.02	
Terrazzo and Mosaic-----	3-09-72	8.05	.15				
Tile Setters-----	3-09-72	8.05	.15				
	11-01-69	6.10	.15				
	11-01-69	6.10	.15				

NOTICE
Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

MISCELLANEOUS BUILDING

LOGAN

COUNTY

CLASSIFICATIONS

EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT				
		H & W	PENS.	VAC.	APP. TR.	OTHERS
7-01-70	\$ 5.45		.20	.10		
12-01-69	6.60	.15	c		.2%	
10-16-74	8.75	.35	.35		.02	
6-29-73	9.25	.40	.65		.02	
6-29-73	9.25	.40	.65		.02	
6-29-73	9.25	.40	.65		.02	

- Glaziers-----
- Linemen-----
- Pile Drivers-----
- Welder-----
- Fence Erectors-----
- Sheeters-----

NOTICE
 Rates for classifications
 not appearing on this list
 must be obtained from the
 Department of Industrial
 Relations

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT			
			H & W	PENS.	VAC.	APP. TR. OTHERS
Truck Drivers and Helpers-----	10-16-74	\$ 5.20	7.00e	6.00e		
Low Boys-----	10-16-74	5.45	7.00e	6.00e		

NOTICE
 Rates for classifications
 not appearing on this list
 must be obtained from the
 Department of Industrial
 Relations

TRUCK DRIVERS - HEAVY AND HIGHWAY

LOGAN

COUNTY

CLASSIFICATIONS	EFF. DATE	BASIC HOURLY RATES	FRINGE BENEFIT PAYMENT			
			H & W	PENS.	VAC.	APP. TR. OTHERS
Drivers, including, but not limited to, 4-Wheel Service Trucks; 4-Wheel Dump Trucks; Batch Trucks; Oil Distributors; Asphalt Distributors-----	5-01-75 5-01-75	\$ 7.27 7.32	16.00d 16.00d	6.00d 6.00d		
Drivers, Tandem Trucks----- Drivers, Tractor-Trailer Combinations, including, but not limited to, Semi Tractor Trucks; Pole Trailers; Ready Mix Trucks; Fuel Trucks; Asphalt-Oil Spray-Bar Man when Operated from Cab*-----	5-01-75 5-01-75	7.37 7.47	16.00d 16.00d	6.00d 6.00d		
All Trucks Five(5) Axle and Over----- *Asphalt-Oil Spray-Bar Man when Operated from Cab-----	5-01-75	7.57	16.00d	6.00d		
Drivers, Euclid Wagons; Euclid End Dumps; Low Boys and Heavy Duty Equipment over 12 Cubic Yard Capacity (Irrespective of Load Carried) When Used Exclusively for Transportation; Truck Mechanics (When Needed)-----	5-01-75	7.74	16.00d	6.00d		

NOTICE
Rates for classifications not appearing on this list must be obtained from the Department of Industrial Relations

HOD CARRIERS AND COMMON LABORERS - HIGHWAY, HEAVY, SEWER, WATERWORKS,
UTILITY, AIRPORT AND RAILROAD CONSTRUCTION

FRINGE BENEFITS:	H & W	PENS.	VAC.	APP. TR.	OTHERS
	.55	.40		.05	

ZONE 3

CLASSIFICATIONS

RATES PER HOUR

5-19-75 5-01-76

Laborer (Construction); Flagman; Plant Laborer or Yardman; Right-Of-Way Laborer; Landscape Laborer; Utility Man or Handyman; Carpenter Helper; Waterproofing Laborer; Grade Checker; Sign Installer; Slurry Seal; Seal Coating; Surface Treatment or Road Mix Laborer; Rip Rap Laborer and Grouter; Asphalt Laborer; Dump Man (Batch Truck); Guard Rail and Fence Installer; Mesh Handler and Placer; Joint Setter; Concrete Curing Applicator; Scaffold Erector - - - - -	\$ 7.12	\$ 7.72
Asphalt Raker; Concrete Puddler; Kettle Man (Pipeline); All Machine-Driven Tools (Gas, Electric, Air); Mason Tender; Mortar Mixer; Sheetting and Shoring Man; Surface Grinder Man; Power Buggy or Power Wheelbarrow - - - - -	\$ 7.245	\$ 8.845
Form Setter; Bottom Man; Welder Helper (Pipeline); Concrete Saw Man; Cutting with Burning Torch; Pipe Layer; Hand Spiker (Railroad); Car Pusher (Without Air); Underground Man (Working in Sewer and Waterline, Cleaning, Repairing and Reconditioning); Air Track and Wagon Drill; Tunnel Laborer (Without Air); and Caisson, Cofferdam (Below 25' Deep) - - - - -	\$ 7.32	\$ 7.92
Blaster and Powder Man; Muckers; Top Lander; Wrencher (Mechanical Joints and Utility Pipeline); Yarner - - - - -	\$ 7.47	\$ 8.07
Curb Setter and Cutter; Miner Without Air; Gunnite Nozzleman; Concrete Crew in Tunnel; Utility Pipeline Tapper; Waterline Caulker - - - - -	\$ 7.77	\$ 8.37
Watchmen - Rate per 40 Hr. Week - - - - -	\$135.00	\$145.00

Signalman will receive the rate equal to the rate paid the laborer classification for which he is signaling.

Effective in the following Counties: Adams, Allen, Ashland, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Darke, Defiance, Delaware, Fairfield, Fayette, Franklin, Fulton, Gallia, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lawrence, Licking, Logan, Madison, Marion, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Paulding, Perry, Pickaway, Pike, Preble, Putnam, Richland, Ross, Sandusky, Scioto, Seneca, Shelby, Tuscarawas, Union, Van Wert, Vinton, Warren, Washington, Wayne, Williams and Wyandot

NOTICE
Rates for classifications
not appearing on this list
Department of Industrial Relations

OPERATING ENGINEERS - BUILDING CONSTRUCTION

FRINGE BENEFITS: H & W	PENS.	VAC.	APP. TR.	OTHERS
.46	.80		.11	

CLASSIFICATIONS

RATES PER HOUR
1-1-75
--\$ 10.13

Master Mechanics - - - - - --\$ 10.13

Operators of: A-Frames; Air Compressors on Steel Erection; All Rotary Drills used on Caisson Work for Foundations and Sub-Structure Work; Boiler Operators or Compressor Operators When Compressor or Boiler is Mounted on Crane (Piggyback Operation); Boom Trucks (All Types); Cableways; Cherry Pickers; Combination Concrete Mixers and Towers; Concrete Pumps; Cranes (All Types); Derricks (All Types); Draglines; Dredge (Dipper, Clam or Suction), 3 Man Crew; Elevating Graders or Euclid Loaders; Floating Equipment; Gradalls; Helicopter Operators Hoisting Builders Materials; Helicopter Winch Operators Hoisting Builders Materials; Hoes (All Types); Hoisting Engines (Two or More Drums); Lift Slab or Panel Jack Operators; Locomotives (All Types); Maintenance Engineers (Mechanic or Welder); Mixers, Paving (Multiple Drum); Mobile Concrete Pumps with Boom; Panelboard (All Types on Site); Pile Drivers; Power Shovels; Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on Site); Hammerhead Tower Cranes; Trench Machines (Over 24" Wide); Tug Boat - - - - - --\$ 9.61

Operators of: Asphalt Pavers; Bulldozers; C. M. I. Type Equipment; End Loaders; Kohlman Type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Power Graders; Power Scoops; Power Scrapers; Push Cats - - - - - --\$ 9.45

Operators of: Air Compressors, Pressurizing Shafts or Tunnels; All Asphalt Rollers; Fork Lifts; Hoists, One Drum; House Elevators; Man Lifts; Power Boilers (Over 15 Lbs. Pressure); Pump Operators Installing or Operating Wellpoints or Other Dewatering System; Pumps, 4" and Over Discharge; Submersible Pumps, 4" and Over Discharge; Trenchers, 24" and Under - - - - - --\$ 9.09

Operators of: Compressors on Building Construction; Conveyors, Building Material; Generators; Gunnite Machines; Mixers, Capacity More than One Bag; Mixers, One Bag Capacity (Side Loader); Post Drivers; Post Hole Diggers; Pavement Breakers, Hydraulic or Cable; Road Widening Trenchers; Rollers; Welder Operators - - - - - --\$ 8.31

Operators of: Backfillers and Tampers; Batch Plants; Bar and Joint Installing Machines; Bullfloats; Burlap and Curing Machines; Clefplanes; Concrete Spreading Machines; Crushers; Deckhand; Drum Firemen (Asphalt); Farm Type Tractors, Pulling Attachments; Finishing Machines; Form Trenchers; High Pressure Pumps, over 1/2" Discharge; Hydro Seeders; Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Tire Repairmen; Tractors, Pulling Sheep Foot Roller or Grader; Vibratory Compactors (With Integral Power) - - - - - --\$ 7.98

Operators of: Oilers, Helpers, Signalmen; Inboard-Outboard Motor Boat Launch; Light Plant Operators; Power Driven Heaters (Oil Fired); Power Boilers, Less than 15 Lbs. Pressure; Pumps, Under 4" Discharge; Submersible Pumps, Under 4" Discharge - - - - - --\$ 7.23

Effective in Zone III as follows: Dayton and Auglaize, Butler, Champaign, Clark Clinton, Darke, Fayette, Greene, Logan, Madison, Mercer, Miami, Montgomery, Preble, Shelby and Warren Counties

NOTICE
Rates for classifications
must be obtained from the
Department of Industrial
Relations

OPERATING ENGINEERS - HIGHWAY, HEAVY, RAILROAD, UTILITY, AIRPORT, SEWER AND WATERWORKS CONSTRUCTION

FRINGE BENEFITS:	H. & W	PENS.	VAC.	APP. TR.	OTHERS
	.46	.80		.11	.04

CLASSIFICATIONS

RATES PER HOUR

5-01-75 11-01-75 5-01-76 11-01-76 11-01-76

Master Mechanics - - - - - \$ 9.89 \$.25 \$.60 \$.25

Air Compressors on Steel Erection; Boiler Operator, Compressor or Generator when Mounted on a Rig; Cableways; Combination Concrete Mixers and Towers; Concrete Plants (Over 4 Yd. Capacity); Concrete Pumps; Cranes (All Types, including A-Frames, Boom Trucks, Cherry Pickers); Derricks; Draglines; Dredge (Dipper, Clam or Suction); Elevating Grader or Euclid Loaders; Floating Equipment (All Types); Helicopter Crew (Operator-Hoist or Winch); Hoes (All Types); Hoisting Engines; Hoisting Engines on Shaft or Tunnel Work; Industrial-Type Tractors; Jet Engine Dryer (D8 or D9) Diesel Tractor; Locomotives (Standard Gauge); Maintenance Operators, Class A; Mixers, Paving (Single or Double Drum); Mucking Machines; Multiple Scraper; Pile Driving Machines (All Types); Power Shovels; Quad 9 (Double Pusher); Refrigerating Machine (Freezer Operation); Rotary Drill on Caisson Work; Slip Form Pavers; Tower Derricks; Tree Shredder; Trench Machines (Over 24" Wide); Truck Mounted Concrete Pumps; Tug Boat; Tunnel Machine and/or Mining Machine; Wheel Excavator - - - - -

Asphalt Pavers; Automatic Subgrade Machine, Self-Propelled (CMI Type); Boring Machine Operator (More than 48"); Bulldozers; End Loaders; Kolman Loaders (Production Type-Dirt); Lead Grease Men; Maintenance Operator, Class B; Power Graders; Power Scrapers; Push Cats; Trench Machines (24" Wide and Under) - - - - - \$ 9.64 TO BE TO BE TO BE TO BE

Air Compressors on Tunnel Work, Low Pressure; Asphalt Plant Engineer; Locomotive (Narrow Gauge); Mixers, Concrete (More than One Bag Capacity); Mixers, One Bag Capacity (Side Loader); Power Boilers over 15 Lb. Pressure; Pump Operator Installing and Operating Wellpoints; Pumps (4" and Over Discharge); Rollers-Asphalt; Utility Operator (Small Equipment); Welding Machines and Generators - - - - - \$ 8.48 AT A AT A AT A

Backfillers; Bar, Joint and Mesh Installing Machines; Batch Plants; Boring Machine Operators (48" or Less); Bulfloats; Burlap and Curing Machines; Compressors (Portable, Sewer, Heavy and Highway); Concrete Plants (Capacity 4 Yds. and Under); Concrete Saws (Multiple); Conveyors (Highway); Crushers; Deckhand; Drill, Highway (With Integral Power); Farm Type Tractors with Attachments (Highway); Finishing Machines; Firemen, Floating Equipment (All Types); Fork Lifts (Highway); Form Trenchers; Hydro Hammers; Hydro Seeders; Pavement Breakers; Plant Mixers; Post Driver; Post Hole Digger (Power Auger); Power Brush Burner; Power Form Handling Equipment; Road Widening Trenchers; Rollers (Brick, Grade, Macadam); Self-Propelled Power Spreaders; Self-Propelled Power Subgraders; Steam Firemen; Tractors (Pulling Sheepfoot Roller or Grader); Vibratory Compactors (With Integral Power) - - - - - \$ 8.05 LATER LATER LATER

Drum Firemen (Asphalt Plant); Helpers; Inboard-Outboard Motor Boat Launch; Oil Heaters (Asphalt Plant); Oilers; Power Driven Heaters; Pumps (Under 4" Discharge); Signalmen; Tire Repairmen - - - - - \$ 6.84 DATE DATE DATE

GENERAL
061075

NOTICE
Rates for classifications
not appearing on this list
must be obtained from the
Department of Industrial
Relations

HIGHWAY AND HEAVY CONSTRUCTION

FRINGE BENEFITS:	H & W	PENS.	VAC.	APP. TR.	OTHERS
	.49			.02	

CLASSIFICATION

RATE PER HOUR
1-1-75

Cement Masons - - - - - \$ 8.34

Effective January 1, 1975 in District 3,
comprising the following Counties:

Adams	Delaware	Lawrence	Pickaway
Ashland	Fairfield	Licking	Pike
Athens	Fayette	Logan	Preble
Auglaize	Franklin	Madison	Richland
Belmont	Gallia	Marion	Ross
Brown	Greene	Meigs	Scioto
Butler	Guernsey	Mercer	Shelby
Carrroll	Hamilton	Miami	Tuscarawas
Champaign	Harrison	Montgomery	Union
Clark	Highland	Monroe	Vinton
Clermont	Hocking	Morgan	Warren
Clinton	Holmes	Morrow	Washington
Coshocton	Jackson	Muskingum	Wayne
Crawford	Jefferson	Noble	Wyandot
Darke	Knox	Perry	

050175

NOTICE
Rates for classifications
not appearing on this list
must be obtained from the
Department of Industrial
Relations

Concrete Quantities For Piling

$$r = .583' \quad A = \pi r^2 = 1.069 \text{ ft}^2$$

Abutment #1

$$V = 99' \times 1.069 \text{ ft}^2 = 105.83 \text{ ft}^3$$
$$\Rightarrow 3.92 \text{ cu. yds}$$

Pier #1

$$V = 279.3 \times 1.069 = 298.58 \text{ ft}^3$$
$$\Rightarrow 11.06 \text{ cu. yds}$$

Pier #2

$$V = 230.7 \times 1.069 = 246.62 \text{ ft}^3$$
$$\Rightarrow 9.13 \text{ cu. yds}$$

Abutment #2

$$V = 117 \times 1.069 = 125.07 \text{ ft}^3$$
$$\Rightarrow 4.63 \text{ cu. yds}$$

226.0
Totaling
To Piling

$$\text{Total Yardage} = 28.74 \text{ cu. yds}$$

BR. 29-2.70

R.B. 7-30-75
8 7-31-75

PILING LOG

ABUTEMENT #1

MINIMUM BEARING = 28 Tons ESTIMATED LENGTH = 25'
(37 Blows/ft)



	3'	13'	14+'	13+'	12.5'	19'	14.5'
	#1	#2	#3	#4	#5	#6	#7
Total Length	3'	13'	14+'	13+'	12.5'	19'	14.5'
length	#1	#2	#3	#4	#5	#6	#7
6				27	19	21	21
7				38	19	24	31
8				54	52	38	47
9	26	39		95	85	43	70
10	39	60	75	100	GR 1005 / 30	63	87
11	GR	86 GR	84	GR		84	77
12	86	120	86 GR			86	GR 125 / 118
13	150+	90				76	
14						66	
15						68	
16						70	
17						100 GR	

570T 51T 50T 54T 570T 54T 570T

Total Footage = 99'

BR 29-2.70

R.B. 7-30-75

PIILING LOG

PIER #1

MINIMUM BEARING = 40 TONS

ESTIMATED LENGTH = 35'

(60 Blows/ft)

Total footage = 279.3'

FORWARD

#1 #2 #3 #4 #5 #6 #7

→ Total length

34.5 36 39.5 42 44 44 1/3 39

length

#1 #2 #3 #4 #5 #6 #7

11	60	57			58	54	#7
12	68	63			59	68	
13	68	42			55	49	
14	52				44	51	
15	30	35			38	49	
16	25	57			84	70	
17	37	52			78		
18	67	52			69	49	
19	70	50			61	60	
20	64	44			61	43	79
21	56	41	36		50	37	70
22	51	46			42	37	57
23	53	47			44	36	45
24	50	44	35		45	44	45
25	50	43	39		43	38	
26	57	50	40		43	36	65
27	60	51	41		49	42	62
28	63 GR	53	48		55	44	56
29	63 GR	66	52		57	45	60
30	41.5T	66	54		52	98	67
31		GR	52		54	44	69 GR
32			55		52	44	
33		42.5T	56		52	45	44.7
34			64 GR		44	47	
35			42T		48	51	
36			48		55	67 GR	43T

48 → 55 36.5 (40)

BR 29-2.70

R.B, 7-31-75

PILING LOG

PIER #2

MINIMUM BEARING = 40 Ton
(60 Blows/ft) Estimated LENGTH = 35'

Forward

	#1	#2	#3	#4	#5	#6	#7
	0	0	0	0	0	0	0
	32.5	32.5	32.7	33	33	33.5	33.5
Total Length	#1	#2	#3	#4	#5	#6	#7
11		94			63	90	73
12		97	77	63		97	87
13		66	66	58		101	100
14	80	70	64	62		104	94
15	89	66	56	64		90	85
16	93	70	54	63	68	87	85
17	93	74	55	62	71	80	105
18	94	92	68	67	71	103	100
19	72	68	73	59	64	74	110
20	55	58	68	50	57	68	80
21	46	50	76	42	46	60	63
22	37	49	69	50	43	48	49
23	40	54	64	55	44	49	45
24	49 GR	48 GR	50 GR	57 GR	48	45	61
25	60	52	58	53	53 GR	49 GR	87 GR
26	92	74	85	83	94	75	87
27	50 27.3	30 .25				50.5	140
28							
29							
30							

52T 46T 50T 49T 52.5T 46T 57⊕T

Total Footage = 230.7'

B.R. 29-2.70

R.B. 8-5-75

DRIVEN 8-1-75

PILING LOG

ABUTEMENT #2

MINIMUM BEARING = 28 TONS

Estimated Length = 25'

(37 Blows/ft)

#1	#2	#3	#4	#5	#6	#7
0	0	0	0	0	0	0

	#1	#2	#3	#4	#5	#6	#7
5	32	42	34	33	34	29	42
6	42	55	48	33	45	46	65
7	59	69	68	56	57	82	91
8	66	78	80	73	60	69	101
9	72	66	94	84	77	77	100
10	57	62	80	82	77	98	101
11	54	62	83	69	70	96	
12		60	64	60	51	73	
13		58	56	59	53	68	
14		48	48	52	52	65	
15	59	40	48	49	61	64	
16	47	48	57	52	71	69	
17	49	59	60	59	87	88	
18	65	73	81	70			
19	80						
	48T	45.5T	48.5T	44.3T	50.9T	50.9T	54.8T

Total Footage = 117'

PILING BEARING TABLE

R/B-1:4 Batter

For 7' Drop

2400# Drop H. B/F	3000# Drop H.		Vulcan #2		Mck-T. Diesel	
	R	R/B	R	R/B	R	R/B
1	2688	3415	1200	1135	1983	1875
2	5169	6667	2389	2251	3634	3437
3	7467	9767	3561	3350	5853	5536
4	9600	12727	4684	4431	7741	7322
5	11586	15555	5808	5494	9600	9081
6	13440	18261	6914	6514	11428	10810
7	15176	20345	8004	7572	13230	12515
8	16800	23333	9075	8585	15000	14190
9	18331	25720	10132	9585	16748	15843
10	19765	28000	11189	10566	18461	17464
11	21119	30194	12191	11533	20151	19062
12	22400	32309	13200	12487	21818	20639
13	23612	34342	14193	13427	23460	22193
14	24761	36301	15172	14353	25078	23723
15	25846	38182	16131	15262	26666	25226
16	26880	40000	17082	16160	28235	26710
17	27861	41750	18014	17014	29776	28168
18	28792	43433	18930	17908	31290	29600
19	29682	45064	19836	18765	32786	31015
20	30545	46666	20743	19623	34285	32433
21	31372	48220	21639	20470	35767	33835
22	32155	49704	22517	21295	37207	35199
23	32877	51094	23344	22085	38585	36501
24	33600	52500	24200	22893	40000	37840
25	34286	53846	25034	23682	41379	39144
26	34927	55118	25836	24461	42704	40497
27	35593	56452	26691	25250	44117	41734
28	36207	57692	27500	26015	45454	42999
29	36761	58824	28249	26724	46692	44170
30	37333	60000	29040	27472	48000	45408
31	37880	61135	29815	28205	49281	46619
32	38400	62222	30568	28917	50526	47797
33	38889	63253	31293	29603	51724	48930
34	39390	64319	32052	30321	52980	50119
35	39858	65319	32776	31006	54176	51250
36	40336	66351	33533	31722	55427	52433
37	40777	67308	34245	32396	56603	53666
38	41176	68182	34903	33018	57692	54576
39	41584	69079	35588	33666	58823	55646
40	42000	70000	36300	34340	60000	56760
41	42371	70826	36947	34952	61068	57770
42	42748	71672	37517	35586	62176	58818
43	43132	72539	38113	36242	63324	59904
44	43467	73298	38927	36825	64343	60868
45	43807	74074	39564	37426	65395	61863
46	44152	74866	40221	38049	66481	62891
47	44503	75676	40907	38692	67605	63934
48	44800	76364	41486	39246	68571	64868
49	45101	77084	42086	39814	69565	65808
50	45405	77777	42706	40400	70588	66776
51	45714	78505	43343	41002	71641	67772
52	45964	79096	43867	41498	72507	68591
53	46281	79848	44540	42135	73619	69643
54	46537	80666	45093	42658	74534	70509

AC # Drc. 30 # Drop H. R/E

Full on % R/B

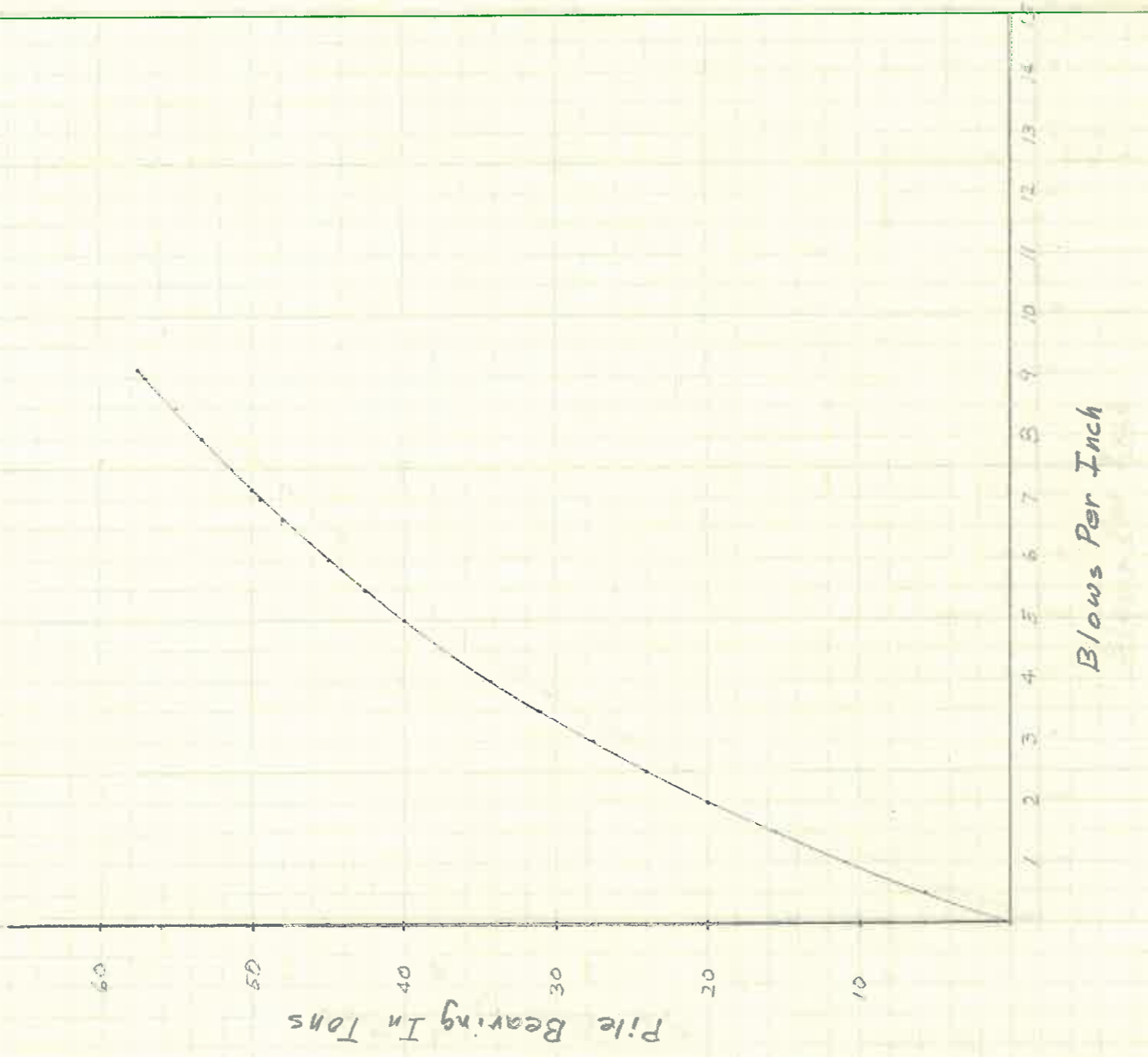
Mck R

58	3006	71753	45660	43194	75471	71399
59	30112	75338	46242	43745	76433	72305
60	32333	75929	46839	44310	77419	73238
61	32845	76378	47296	44742	78175	73953
62	33499	76986	47921	45333	79207	74929
63	34000	77448	48400	45786	80000	75680
64	34507	77915	48889	46249	80808	76444
65	35020	78388	49387	46720	81632	77223
66	35714	79028	50039	46920	82758	78289
67	36242	79515	50592	47860	83623	79107
68	36597	79842	50947	48196	84210	79662
69	37137	80340	51489	48709	85106	80510
70	37683	80844	52043	49233	86021	81375
71	38235	81353	52609	49257	86956	82260
72	38608	81897	52923	50131	87591	82861
73	39172	82217	53579	50086	88560	83777
74	39552	82567	53978	51063	89219	84401
75	39936	82921	54382	51445	89637	85033
76	40517	83457	55000	52030	90909	85999
77	40909	83818	55420	52427	91603	86656
78	41304	84182	55846	52830	92307	87322
79	41703	84550	56279	53240	93023	87999
80	42105	84921	56719	53656	93585	88531
81	42511	85295	57165	54078	94188	89385
82	42920	85672	57619	54508	95238	90095
83	43333	86053	58080	54944	96000	90816
84	43750	86438	58548	55386	96774	91548
85	44170	86825	59024	55837	97560	92291
86	44382	87020	59396	56179	97959	92569
87	44808	87413	59753	56526	98765	93431
88	45238	87809	60249	56996	99585	94207
89	45455	88010	60500	57233	100000	94600
90	45890	88411	61008	57714	100840	95594
91	46330	88816	61525	58203	101690	96202
92	46552	89021	61787	58457	102127	96612
93	46977	89431	62318	58953	103004	97441
94	47222	89639	62586	59206	103448	97861
95			63130	59721	104347	98712
96			63406	59982	104803	99145
97			63684	60245	105262	99577
98			64248	60779	106194	100457
99			64533	61048	106666	100906
100			64821	61321	107142	101356
101			65405	61873	108108	102270
102			65701	62153	109090	103199
103			66000	62436	109090	103199
104			66301	62721	109589	103671
105			66606	63009	110091	104146
106			67066	63444	110854	104861
107			67535	63888	111627	10559
108			67850	64186	112149	10608
109			68169	64488	112676	10657
110			68491	64792	113207	10701
111			68815	65099	113744	10761
112			69143	65409	114285	10811
113			69474	65722	114832	10861
114			69908	66038		
115			70145	66357		
116			70485	66679		

R.B. 6-5-75

McKiernan - Terry Diesel Hammer
(FRANTZ Bros.)

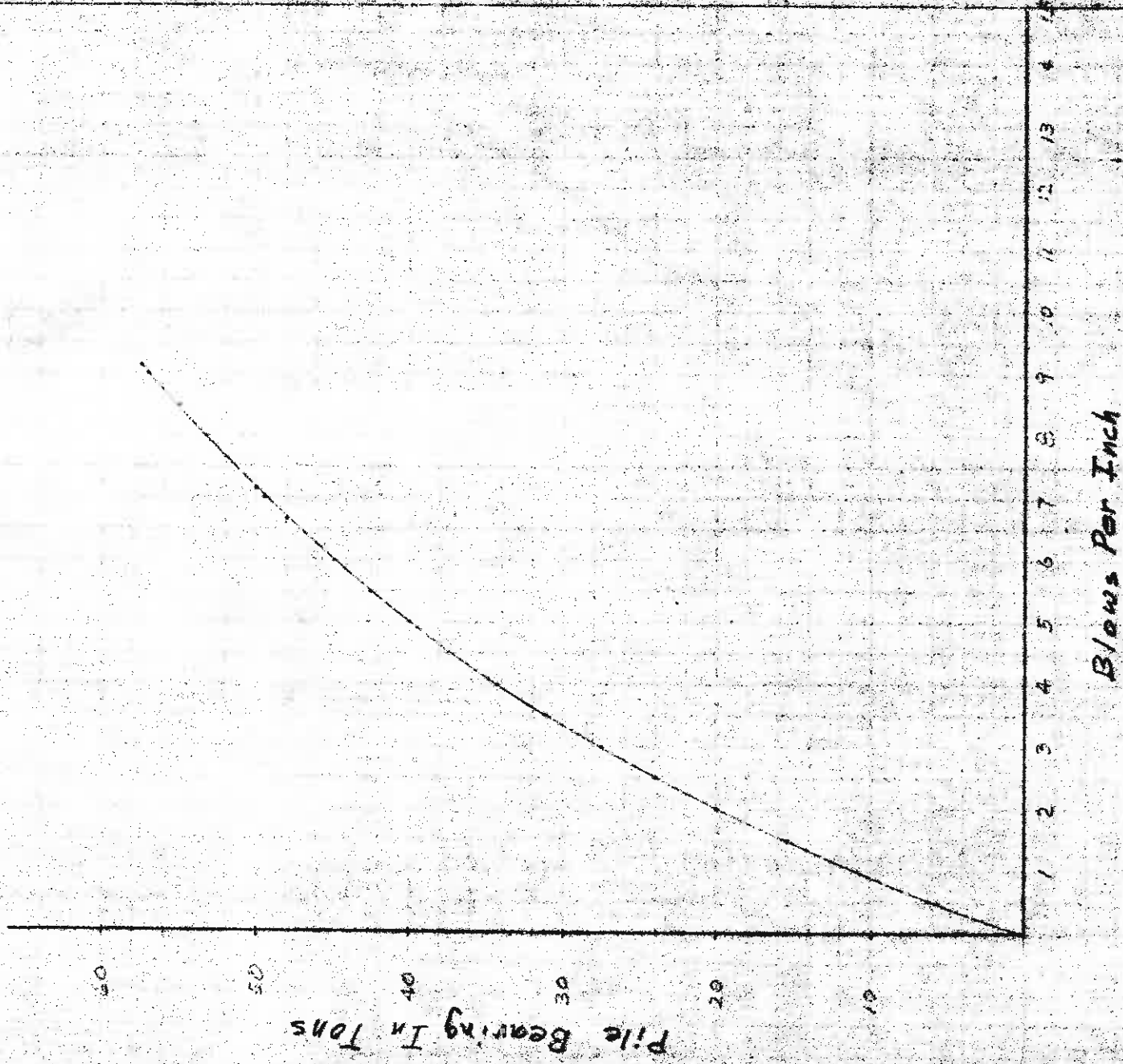
42,381 50 SHEETS 5 SQUARE
42,382 100 SHEETS 5 SQUARE
42,383 200 SHEETS 5 SQUARE
NATIONAL
MADE IN U.S.A.



R.B. 8-5-75

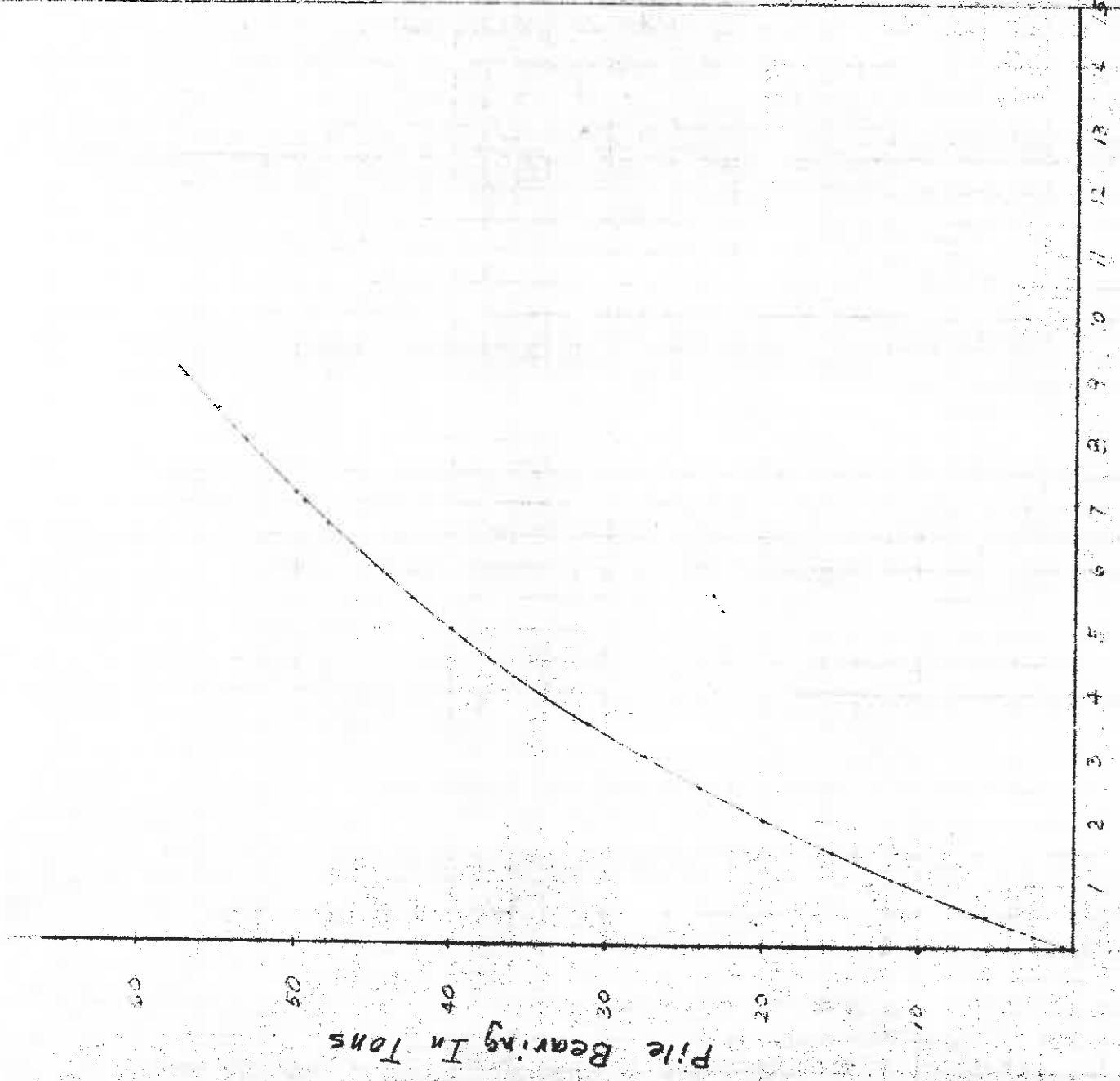
Mickieman - Levy Diesel Hammer
(FRANTZ Bros.)

12 SHEETS 34 SQUARE
42 SHEETS 100 SHEETS 34 SQUARE
42 SHEETS 100 SHEETS 34 SQUARE
NATIONAL ARCHITECTURAL



R.B. 8-5-75

Mckiernan - Terry Diesel Hammer
(FRANZ Bros.)



Blows Per Inch