

December 14, 1972

Mr. Douglas D. MacGillivray
Logan County Prosecuting Attorney
128 N. Main Street
Bellefontaine, Ohio 43311

Dear Mr. MacGillivray:

Re: Accident Report
Bridge No. 39-6.86

Please find attached a copy of the state highway patrol report concerning the above accident. The bridge was damaged beyond repair and will need a complete reconstruction. We have dismantled the bridge and removed it from the river. We have available a file on the bridge, pictures, etc.

We feel from the nature of the accident that the county should be entitled to some reimbursement from the owner, driver or insurance company for the damage to the structure.

We request that you establish the contacts and take necessary steps to recover whatever damage may be due the county.

Respectfully submitted,

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

CRK/ed

Att: Accident Reports
Card Record Copy

cc: Logan County Commissioners

COPY

GRATIS COPY

YOUR REF. NO. BT - 32-6.86
STATE OF OHIO
HP 90 (Rev. 7/66)

STATE HIGHWAY PATROL

ACCIDENT NO. 46-505-46
DEPARTMENT OF
HIGHWAY SAFETY

APPLICATION FOR ACCIDENT REPORT

(FOR OHIO HIGHWAY PATROL INVESTIGATED ACCIDENTS ONLY)

PLEASE DO NOT ENCLOSE FEE FOR PHOTOGRAPHS WITH THIS APPLICATION

(If photographs were taken, you will be provided with a separate application to obtain them)

I hereby certify that I represent Logan County, Ohio (name of person involved)

and have a legal right to receive the documents requested.

Date December 1 1972 Signed Chester R. Kurtz, P.E.
Logan County Engineer

Check ONE only: Accident Record Only — \$1.00 Complete Report — \$3.00
(Less Photographs)

Enclosed is \$ Gratis Copy HIGHWAY PATROL ACCIDENT REPORTS ARE FILED BY COUNTY AND DATE.

COUNTY Logan DATE OF ACCIDENT November 22, 19 72

LOCATION: On highway C.R.#39 near Belle Center

INVOLVING Name John C. Ruble Address Box 521, Belle Center, Ohio
DRIVERS: Name _____ Address _____

Mail Application and Fee to: OHIO STATE HIGHWAY PATROL, BOX 7037, COLUMBUS, OHIO 43205.

Make Checks Payable to: OHIO STATE HIGHWAY PATROL

Mail report to:

Chester R. Kurtz, P.E.
Logan County Engineer
Name _____
Box 427
Street _____
Bellefontaine Ohio 43311
City State Zip Code

See Reverse Side
For Instructions

DO NOT WRITE BELOW THIS SPACE

No Highway Patrol Report	Bureau of Motor Vehicles has Police Report	YES <input type="checkbox"/> NO <input type="checkbox"/>
No Fee Enclosed with Application	Bureau of Motor Vehicles Case No.	
Criminal Prosecution Pending Reapply after:	Highway Patrol Report No. <u>46-505-46</u>	
Application Incomplete	Report made by _____	Department _____
	No Photographs Taken <input type="checkbox"/>	

ALL FEES COLLECTED ARE DEPOSITED WITH THE TREASURER OF THE STATE OF OHIO

DESCRIBE WHAT HAPPENED (Refer to Units by number)

UNIT #1 TRAVELING NORTH ON CR-39 DROVE OFF THE RIGHT SIDE OF THE ROAD, HIT A GUARD RAIL, THEN HIT THE CORNER OF THE BRIDGE CAUSING IT TO COLLAPSE. UNIT #1 THEN WENT INTO THE DITCH.

<table border="1"> <tr><th>UNIT</th><th>TYPE OF UNIT</th></tr> <tr><td><input checked="" type="checkbox"/></td><td>PASSENGER CAR</td></tr> <tr><td><input type="checkbox"/></td><td>CAR TRAILER, MOBILE HOME</td></tr> <tr><td><input type="checkbox"/></td><td>HOUSE VEHICLE</td></tr> <tr><td><input type="checkbox"/></td><td>STRAIGHT TRUCK</td></tr> <tr><td><input type="checkbox"/></td><td>TRACTOR AND SEMI-TRAILER</td></tr> <tr><td><input type="checkbox"/></td><td>SCHOOL BUS</td></tr> <tr><td><input type="checkbox"/></td><td>OTHER BUS</td></tr> <tr><td><input type="checkbox"/></td><td>MOTORCYCLE</td></tr> <tr><td><input type="checkbox"/></td><td>WATER CARRIER OR MOTOR BIKE</td></tr> <tr><td><input type="checkbox"/></td><td>BICYCLE</td></tr> <tr><td><input type="checkbox"/></td><td>UNLICENSED FARM VEHICLE</td></tr> <tr><td><input type="checkbox"/></td><td>RAIL</td></tr> <tr><td><input type="checkbox"/></td><td>ANIMAL</td></tr> <tr><td><input type="checkbox"/></td><td>HOV/EV</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>TRUCK</td></tr> </table>	UNIT	TYPE OF UNIT	<input checked="" type="checkbox"/>	PASSENGER CAR	<input type="checkbox"/>	CAR TRAILER, MOBILE HOME	<input type="checkbox"/>	HOUSE VEHICLE	<input type="checkbox"/>	STRAIGHT TRUCK	<input type="checkbox"/>	TRACTOR AND SEMI-TRAILER	<input type="checkbox"/>	SCHOOL BUS	<input type="checkbox"/>	OTHER BUS	<input type="checkbox"/>	MOTORCYCLE	<input type="checkbox"/>	WATER CARRIER OR MOTOR BIKE	<input type="checkbox"/>	BICYCLE	<input type="checkbox"/>	UNLICENSED FARM VEHICLE	<input type="checkbox"/>	RAIL	<input type="checkbox"/>	ANIMAL	<input type="checkbox"/>	HOV/EV	<input checked="" type="checkbox"/>	TRUCK	<table border="1"> <tr><th>UNIT</th><th>DRIVER ACTION</th></tr> <tr><td><input checked="" type="checkbox"/></td><td>STRAIGHT</td></tr> <tr><td><input type="checkbox"/></td><td>CHANGING LANE</td></tr> <tr><td><input type="checkbox"/></td><td>RIGHT TURN</td></tr> <tr><td><input type="checkbox"/></td><td>LEFT TURN</td></tr> <tr><td><input type="checkbox"/></td><td>PARKING</td></tr> <tr><td><input type="checkbox"/></td><td>UNPARKING</td></tr> <tr><td><input type="checkbox"/></td><td>BACKING</td></tr> <tr><td><input type="checkbox"/></td><td>TRIPPED IN TRAFFIC</td></tr> <tr><td><input type="checkbox"/></td><td>PAKED</td></tr> <tr><td><input type="checkbox"/></td><td>PASSING</td></tr> <tr><td><input type="checkbox"/></td><td>OTHER</td></tr> </table>	UNIT	DRIVER ACTION	<input checked="" type="checkbox"/>	STRAIGHT	<input type="checkbox"/>	CHANGING LANE	<input type="checkbox"/>	RIGHT TURN	<input type="checkbox"/>	LEFT TURN	<input type="checkbox"/>	PARKING	<input type="checkbox"/>	UNPARKING	<input type="checkbox"/>	BACKING	<input type="checkbox"/>	TRIPPED IN TRAFFIC	<input type="checkbox"/>	PAKED	<input type="checkbox"/>	PASSING	<input type="checkbox"/>	OTHER	<p>DIAGRAM (Show all lanes, label all units)</p>	<p>LOCATION</p> <p><input type="checkbox"/> INTERSECTION</p> <p><input type="checkbox"/> ALLEY OR DRIVE WAY</p> <p><input type="checkbox"/> INTERCHANGE</p> <p><input checked="" type="checkbox"/> BRIDGE</p> <p><input type="checkbox"/> RAILWAY CROSSING</p> <p><input type="checkbox"/> UNDERPASS</p> <p><input type="checkbox"/> CURVE OR TURN</p> <p><input type="checkbox"/> OTHER</p>	<p>ROAD SURFACE</p> <p><input checked="" type="checkbox"/> ASPHALT</p> <p><input type="checkbox"/> CONCRETE</p> <p><input type="checkbox"/> GRAVEL</p> <p><input type="checkbox"/> OTHER</p>	<p>HEADING OF TRAVEL by Unit</p> <p>N</p> <p>NE</p> <p>E</p> <p>SE</p> <p>S</p> <p>SW</p> <p>W</p> <p>NW</p>	<p>For State Use Only</p>																																																																											
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State of Ohio TRAFFIC CRASH REPORT 46-505-46

REPORT # 216407

REPORTING AGENCY STATE HIGHWAY PATROL OH CRP-46

TIME OF CRASH 11:50 AM

CRASH OCCURRED IN (CITY, VILLAGE, TOWNSHIP) TOWNSHIP OF RICHLAND IN COUNTY OF LOGAN

ON ROUTE, CO., OR TRP. ROAD, STREET ADDRESS IS, US, SR, CR, TR, PAV. CR-39 AT JUNCTION OR INTERSECTION WITH

MILES FEET W N E OF SR-273

PHOTO # 46-1580

DRIVER - LAST FIRST MIDDLE RUBLE JOHN C

ADDRESS - NUMBER STREET CITY STATE PHONE BOX 521 BELLE CENTER, OHIO 43310 464-2701

OPERATOR LICENSE NO. STATE SOCIAL SECURITY NUMBER LIC. NO. CL469141 OHIO 276 38 7214 NONE

OWNER - LAST FIRST MIDDLE PER WIG NOT JOHN IVINS

ADDRESS - NUMBER STREET CITY STATE PHONE R-1 JACKSON CTR, OHIO UNKNOWN

VEHICLE MAKE YEAR 1972 GMK MODEL DIESEL 9500 COLOR BLUE/GREEN LIC. NO. 18C57 STATE OHIO

DRIVEN HAULED DRIVEN PIQUA, OHIO HAULED STEEL COMPANY PIQUA, OHIO

PARTS OF VEHICLE DAMAGED UNDER CHASSIS - FRONT OF RT. SIDE - HEAVY

DRIVER - LAST FIRST MIDDLE

ADDRESS - NUMBER STREET CITY STATE PHONE

OPERATOR LICENSE NO. STATE SOCIAL SECURITY NUMBER LIC. NO.

OWNER - LAST FIRST MIDDLE LOGAN CO. DEPT OF HIGHWAYS

ADDRESS - NUMBER STREET CITY STATE PHONE CR-13 BELLEFONTAINE, OHIO

VEHICLE MAKE YEAR 1972 GMK MODEL DIESEL 9500 COLOR BLUE/GREEN LIC. NO. 18C57 STATE OHIO

DRIVEN HAULED DRIVEN BRIDGE HAULED

PARTS OF VEHICLE OR PROPERTY DAMAGED BRIDGE

DRIVER - LAST FIRST MIDDLE HERRING JAMES E

ADDRESS - NUMBER STREET CITY STATE PHONE BOX 521 BELLE CENTER, OHIO 43310 464-2701

DRIVER - LAST FIRST MIDDLE

ADDRESS - NUMBER STREET CITY STATE PHONE

DRIVER - LAST FIRST MIDDLE

ADDRESS - NUMBER STREET CITY STATE PHONE

DRIVER - LAST FIRST MIDDLE

ADDRESS - NUMBER STREET CITY STATE PHONE

OFFICER'S SIGNATURE [Signature]

OFFICER'S NUMBER 1372/4615

LOCAL USE
1, 12:02 AM.
2, 12:45 AM.
3, NONE.

1. WORKS FOR OWNERS OF TRUCK.
2. ESTIMATED SPEED 25-30 MPH
3. ROAD CENTERLINE

4. INVESTIGATION SHOWED UNIT #1 HIT THE GUARD RAIL ON THE RIGHT SIDE OF THE ROAD, THEN HIT THE SOUTH EAST CORNER OF THE BRIDGE CAUSING IT TO COLLAPSE. UNIT #1 THEN FELL INTO THE DITCH & RIVER BOTTOM.

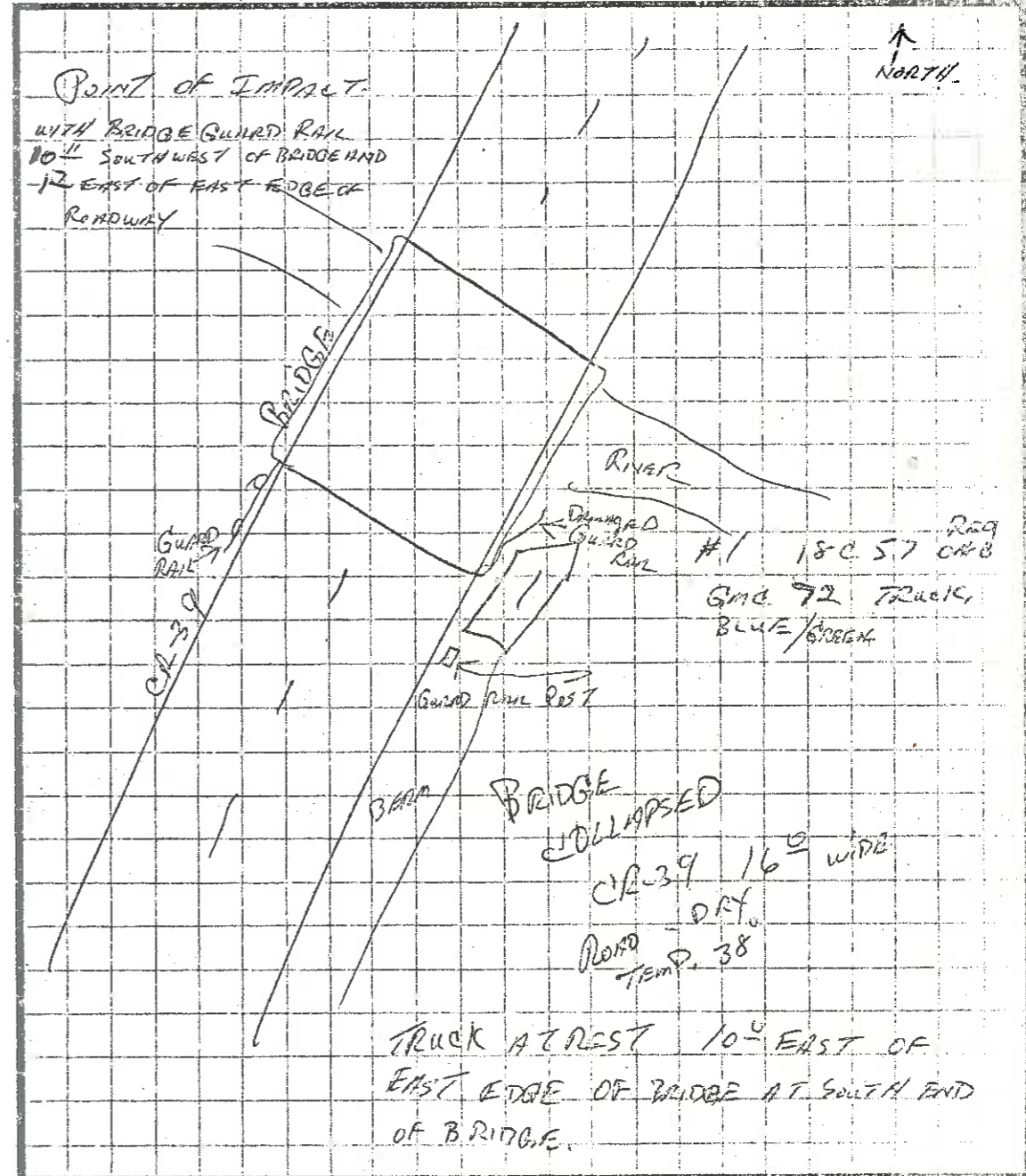
REPORT NO. 46-505-46	A216407	For State Use Only	
REPORTING AGENCY STATE HIGHWAY PATROL OH OHP 46	TIME OF CRASH 11:50	A.M. <input type="checkbox"/>	DATE OF CRASH 11 22 77 MO. DAY YR.

I, JOHN RUBLE hereby make this voluntary statement to
PT. L. DE. NEWITT at THE ACCIDENT SCENE
 I WAS TRAVELING NORTH ON CD-39.
 I STARTED ACROSS THE BRIDGE AND IT
 COLLAPSED ON ME. THE TRUCK IS EMPTY
 AND I USE THIS BRIDGE ABOUT EVERY
 OTHER DAY.

(Signature) John Ruble Address Belle Center, O

Witnesses - _____

REPORT NO. 46-505-46	A216407	For State Use Only	
REPORTING AGENCY STATE HIGHWAY PATROL OH OHP 46	TIME OF CRASH 11:50	A.M. <input type="checkbox"/>	DATE OF CRASH 11 22 77 MO. DAY YR.



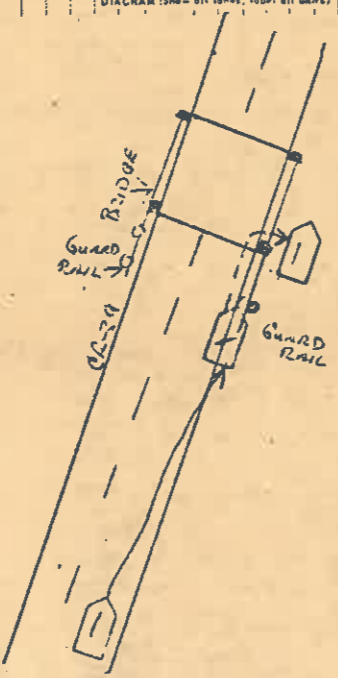
TRUCK AT REST 10' EAST OF
 EAST EDGE OF BRIDGE AT SOUTH END
 OF BRIDGE.

OFFICER SIGNATURE PT. L. DE. NEWITT ID NUMBER 1372465
 OH-2 (9/30/70)

DESCRIBE WHAT HAPPENED. Refer to Units by number.

UNIT #1 TRAVELING NORTH ON CR-39 DROVE OFF THE RIGHT SIDE OF THE ROAD, HIT 11" GUARD RAIL, THEN HIT THE CORNER OF THE BRIDGE CAUSING IT TO COLLAPSE. UNIT #1 THEN WENT INTO THE DITCH.

TYPE OF UNIT <input checked="" type="checkbox"/> PASSENGER CAR <input type="checkbox"/> CAR TRAILER <input type="checkbox"/> TRUCK <input type="checkbox"/> TRACTOR AND IMPLEMENT <input type="checkbox"/> SCHOOL BUS <input type="checkbox"/> TRAM <input type="checkbox"/> MOTOR BIKE <input type="checkbox"/> BICYCLE <input type="checkbox"/> UNLICENSED FARM VEHICLE <input type="checkbox"/> RAIL <input type="checkbox"/> ANIMAL <input type="checkbox"/> PROPERTY <input checked="" type="checkbox"/> BRIDGE		DRIVER ACTION <input checked="" type="checkbox"/> STRAIGHT <input type="checkbox"/> CHANGING LANE <input type="checkbox"/> RIGHT TURN <input type="checkbox"/> LEFT TURN <input type="checkbox"/> PARKING <input type="checkbox"/> UNPARKING <input type="checkbox"/> BACKING <input type="checkbox"/> STOPPING <input type="checkbox"/> STOPPING IN TRAFFIC <input type="checkbox"/> STOPPING IN DITCH <input type="checkbox"/> STOPPING IN ROADWAY <input type="checkbox"/> STOPPING IN SHOULDER <input type="checkbox"/> STOPPING IN OTHER		CONTRIBUTING CIRCUMSTANCES <input type="checkbox"/> EXCESSIVE SPEED <input type="checkbox"/> DRIVING TOO CLOSELY <input type="checkbox"/> TRAFFIC SIGNAL <input type="checkbox"/> STOP SIGN <input type="checkbox"/> FAILURE TO YIELD <input type="checkbox"/> DRIVING WRONG WAY <input type="checkbox"/> LEFT OF CENTER <input type="checkbox"/> FOLLOWING TOO CLOSELY <input type="checkbox"/> DRINKING <input type="checkbox"/> DRIVER PREOCCUPATION <input type="checkbox"/> IMPROPER PASSING <input type="checkbox"/> STOPPED OR PARKED ILLEGALLY <input checked="" type="checkbox"/> DROVE OFF ROADWAY <input type="checkbox"/> DEFECTIVE VEHICLE <input type="checkbox"/> OTHER DRIVER, PED. OR PASSENGER ACTION <input type="checkbox"/> NONE		LOCATION <input type="checkbox"/> INTERSECTION <input type="checkbox"/> RAIL OR DRIVEWAY <input type="checkbox"/> DRIVEWAY <input checked="" type="checkbox"/> HIGHWAY <input type="checkbox"/> SHOULDER <input type="checkbox"/> DITCH <input type="checkbox"/> OTHER	
VEHICLE DEFECTS <input type="checkbox"/> DEFECTIVE SPARKS <input type="checkbox"/> DEFECTIVE HEADLIGHTS <input type="checkbox"/> OTHER DEFECTIVE LIGHTS <input type="checkbox"/> DEFECTIVE STEERING <input type="checkbox"/> DEFECTIVE TIRES <input type="checkbox"/> OTHER DEFECTS <input checked="" type="checkbox"/> DEFECTS OBSERVED		TYPE OF COLLISION <input type="checkbox"/> REAR-END <input checked="" type="checkbox"/> HEAD-ON <input type="checkbox"/> TURNING <input type="checkbox"/> ANGLE <input type="checkbox"/> SIDESWIPES <input checked="" type="checkbox"/> ONE VEHICLE <input type="checkbox"/> HIT SKIP <input type="checkbox"/> OTHER		ROAD SURFACE <input checked="" type="checkbox"/> ASPHALT <input type="checkbox"/> CONCRETE <input type="checkbox"/> GRAVEL <input type="checkbox"/> OTHER			
PEDESTRIAN ACTION <input type="checkbox"/> IN MARKED CROSSWALK <input type="checkbox"/> IN UNMARKED CROSSWALK <input type="checkbox"/> CROSSING WITH TRAFFIC <input type="checkbox"/> RUNNING AGAINST TRAFFIC <input type="checkbox"/> RUNNING IN ROADWAY <input type="checkbox"/> RUNNING IN SHOULDER <input type="checkbox"/> ON HIGHWAY BUT NOT IN SHOULDER <input type="checkbox"/> OFF HIGHWAY <input type="checkbox"/> OTHER		LIGHT CONDITION <input type="checkbox"/> DAYLIGHT <input type="checkbox"/> DAWN-DUSK <input checked="" type="checkbox"/> DARK - NO STREET LIGHT <input type="checkbox"/> DARK - STREET LIGHTED		VISIBILITY <input checked="" type="checkbox"/> CLEAR <input type="checkbox"/> RAIN <input type="checkbox"/> SNOW <input type="checkbox"/> FOG <input type="checkbox"/> OTHER			
LOCAL USE 1. 12:02 A.M. 2. 12:45 A.M. 3. NONE.		ROAD CONDITION <input checked="" type="checkbox"/> DRY <input type="checkbox"/> WET <input type="checkbox"/> SNOW - ICE <input type="checkbox"/> OTHER		WIDTH OF ROADWAY 16' OF LANES 2			



WITH BRIDGE GUARD RAIL 10" SOUTHWEST OF BRIDGE AND 1/2 EAST OF EAST EDGE OF ROADWAY

REPORT	A 216407	REPORTING AGENCY	STATE OF OHIO	DATE OF CRASH	11/50	TIME	11:22:00	CRASH OCCURRED IN CITY, VILLAGE, TOWNSHIP	TOWNSHIP OF RICHLAND	IN COUNTY OF	LOGAN
DRIVER - LAST	FIRST	MIDDLE	STATE	PLATE NO.	CLASSIFICATION	VEHICLE TYPE	VEHICLE MAKE	VEHICLE MODEL	VEHICLE COLOR	VEHICLE YEAR	VEHICLE MAKE
108	RUBLE	JOHN	C	44-2701	7-2-46	TRUCK	GM	9500	BLUE GREEN	72	TRUCK
OPERATOR LICENSE NO.	STATE	SOCIAL SECURITY NUMBER	VEHICLE SQUARE OR HOSPITAL								
CL469141	OHIO	276 38 7214	NONE								
DRIVER - LAST	FIRST	MIDDLE	STATE	PLATE NO.	CLASSIFICATION	VEHICLE TYPE	VEHICLE MAKE	VEHICLE MODEL	VEHICLE COLOR	VEHICLE YEAR	VEHICLE MAKE
1	PERUIGNOT	JOHN	OHIO	UNKNOWN							
OPERATOR LICENSE NO.	STATE	SOCIAL SECURITY NUMBER	VEHICLE SQUARE OR HOSPITAL								
OWNER - LAST	FIRST	MIDDLE	STATE	PLATE NO.	CLASSIFICATION	VEHICLE TYPE	VEHICLE MAKE	VEHICLE MODEL	VEHICLE COLOR	VEHICLE YEAR	VEHICLE MAKE
LOGAN CO. DEPT OF HIGHWAYS			OHIO								
OPERATOR LICENSE NO.	STATE	SOCIAL SECURITY NUMBER	VEHICLE SQUARE OR HOSPITAL								
DRIVER - LAST	FIRST	MIDDLE	STATE	PLATE NO.	CLASSIFICATION	VEHICLE TYPE	VEHICLE MAKE	VEHICLE MODEL	VEHICLE COLOR	VEHICLE YEAR	VEHICLE MAKE
1	HERRING	JAMES	E	464-5701	7						
OPERATOR LICENSE NO.	STATE	SOCIAL SECURITY NUMBER	VEHICLE SQUARE OR HOSPITAL								
OWNER - LAST	FIRST	MIDDLE	STATE	PLATE NO.	CLASSIFICATION	VEHICLE TYPE	VEHICLE MAKE	VEHICLE MODEL	VEHICLE COLOR	VEHICLE YEAR	VEHICLE MAKE
1	HERRING	JAMES	E	464-5701	7						
OPERATOR LICENSE NO.	STATE	SOCIAL SECURITY NUMBER	VEHICLE SQUARE OR HOSPITAL								
OFFICER'S SIGNATURE	D. DEWITT										
OFFICER'S NO.	1372/4615										

1. WORKS FOR OWNERS OF TRUCK.
2. ESTIMATED SPEED 25-30 MPH
3. ROAD CENTERLINE
4. INVESTIGATION SHOWED UNIT #1 HIT THE GUARD RAIL ON THE RIGHT SIDE OF THE ROAD, THEN HIT THE SOUTH EAST CORNER OF THE BRIDGE CAUSING IT TO COLLAPSE. UNIT #1 THEN FELL INTO THE DITCH + RIVER BOTTOM.

REPORT NO. 46-20-46	A 216407	For State Use Only	
REPORTING AGENCY STATE HIGHWAY PATROL OH CHD 46	TIME OF CRASH 11:50	A.M. P.M.	DATE OF CRASH 11. 22 77

I, JOHN RUBLE hereby make this voluntary statement to PTL DE. HEWITT at THE ACCIDENT SCENE

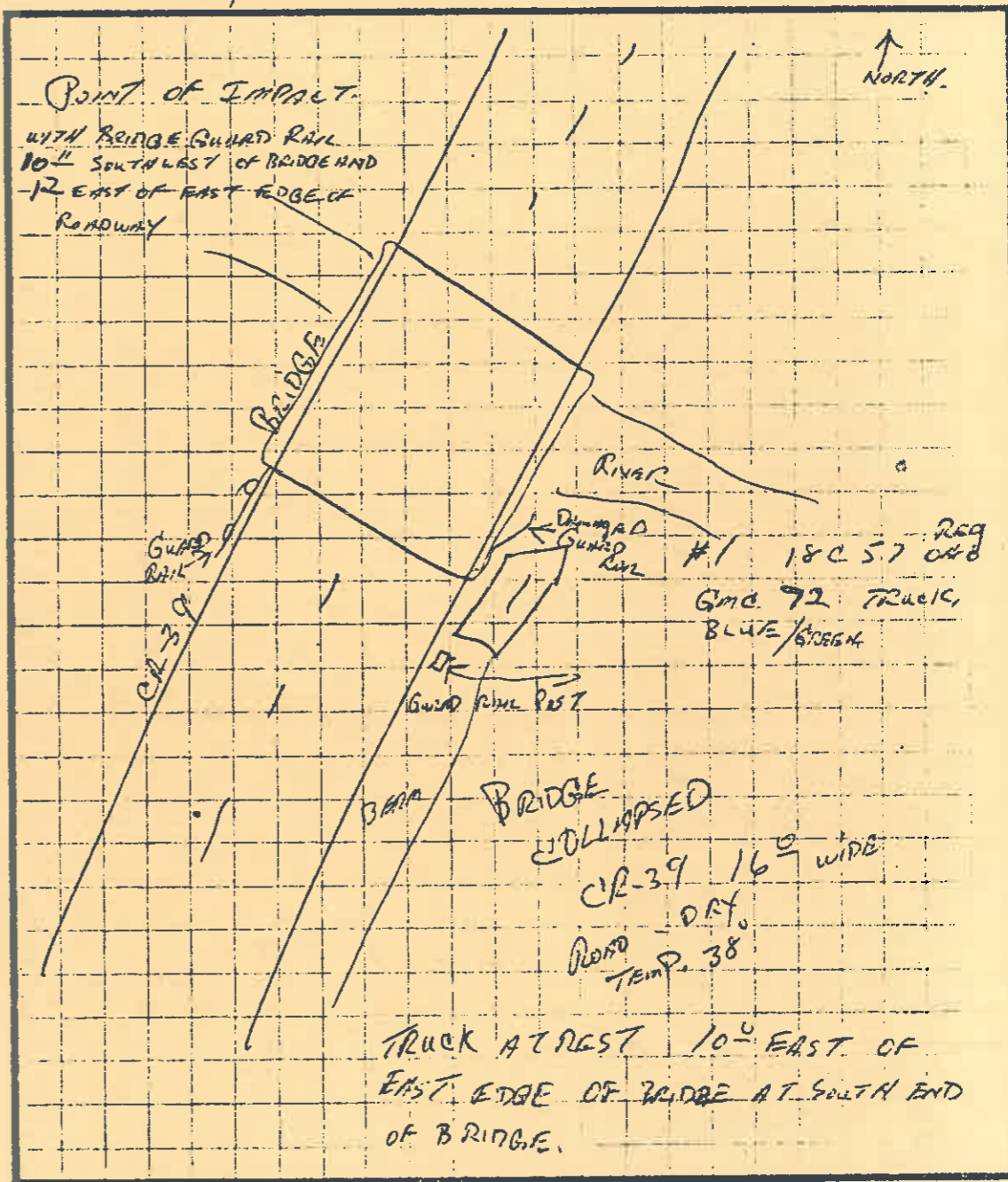
I WAS TRAVELING NORTH ON CR-39.

I STARTED ACROSS THE BRIDGE AND IT COLLAPSED ON ME. THE TRUCK IS EMPTY AND I USE THIS BRIDGE ABOUT EVERY OTHER DAY.

(Signature) John Ruble Address Belle Center OH

Witnesses - _____

REPORT NO. 46-20-46	A 216407	For State Use Only	
REPORTING AGENCY STATE HIGHWAY PATROL OH CHD 46	TIME OF CRASH 11:50	A.M. P.M.	DATE OF CRASH 11. 22 77



OFFICER'S SIGNATURE DE. HEWITT ID NUMBER 1372/445

GRAFF'S COPY

YOUR REF. NO. BA-39-6.66
STATE OF OHIO
HP 90 (Rev. 7/66)

STATE HIGHWAY PATROL

ACCIDENT NO. 46-505-46
DEPARTMENT OF
HIGHWAY SAFETY

APPLICATION FOR ACCIDENT REPORT

(FOR OHIO HIGHWAY PATROL INVESTIGATED ACCIDENTS ONLY)

PLEASE DO NOT ENCLOSE FEE FOR PHOTOGRAPHS WITH THIS APPLICATION
(If photographs were taken, you will be provided with a separate application to obtain them)

I hereby certify that I represent LOGAN COUNTY OHIO
(name of person involved)

and have a legal right to receive the documents requested.

Date December 1 1972 Signed Logan Co. Engineer

Check ONE only: Accident Record Only — \$1.00 Complete Report — \$3.00
(Less Photographs)

Enclosed is \$ GRAFF'S COPY HIGHWAY PATROL ACCIDENT REPORTS ARE FILED BY COUNTY AND DATE.

COUNTY LOGAN DATE OF ACCIDENT November 22 1972

LOCATION: On highway S.R. # 39 near Belle Center

INVOLVING Name John C. Ruble Address Box 521 - Belle Center Ohio
DRIVERS: Name _____ Address _____

Mail Application and Fee to: OHIO STATE HIGHWAY PATROL, BOX 7037, COLUMBUS, OHIO 43205.

Make Checks Payable to: OHIO STATE HIGHWAY PATROL

Mail report to:

Name Chester R. Kurtz, P.E.
LOGAN COUNTY ENGINEER
Address Box 427
Bellefontaine, Ohio 43311
City _____ State _____ Zip Code _____

See Reverse Side
For Instructions

DO NOT WRITE BELOW THIS SPACE

No Highway Patrol Report	Bureau of Motor Vehicles has Police Report YES <input type="checkbox"/> NO <input type="checkbox"/>
No Fee Enclosed with Application	Bureau of Motor Vehicles Case No. _____
Criminal Prosecution Pending Reapply after:	Highway Patrol Report No. _____
Application Incomplete	Report made by _____ Department _____
No Photographs Taken <input type="checkbox"/>	

ALL FEES COLLECTED ARE DEPOSITED WITH THE TREASURER OF THE STATE OF OHIO

AUDITOR RECEIPT

Date _____ 19__

Received from _____

\$ _____ for _____ Copies of Accident Report _____

Check No. _____ Cash _____

Accident Records Section
State Highway Patrol

ref

FILE COPY

RESOLUTION NO. 03-07

The Board of Logan County Commissioners met in regular open session on this date of January 2, 2006 with the full Board present.

Mr. David Knight moved that the following Resolution be Adopted:

**RE: REDUCTION IN LOAD LIMIT ON BRIDGE 39-6.80
OVER THE SOUTH FORK OF THE MIAMI RIVER –
RICHLAND TOWNSHIP**



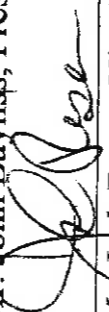

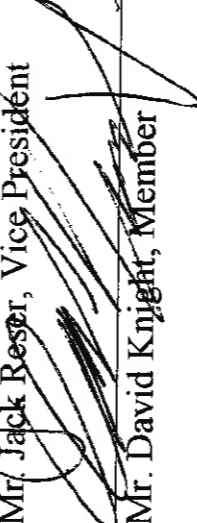

WHEREAS, as a result of the annual bridge inspection, it has been determined that the deterioration of the steel beams on Bridge 39-6.80 warrants the reduction of the maximum weight of vehicle and load, and

WHEREAS, Scott C. Coleman, Logan County Engineer, recommends that the maximum weight of vehicle and load be reduced by 20% (80% legal) in accordance with Section 5577.071 of the Ohio Revised Code,


THEREFORE BE IT RESOLVED by the Logan County Commissioners to authorize Scott C. Coleman, Logan County Engineer to reduce the load limit by 20% (80% legal) on Bridge 39-6.80 in Richland Township.

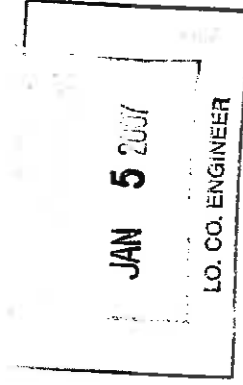
Mr. John Bayliss seconded the motion.

Roll Call resulted as follows:

	_____	
Mr. John Bayliss, President		
	_____	
Mr. Jack Reser, Vice President		
	_____	
Mr. David Knight, Member		

I, Kacy D. Kirby, Clerk/Administrator, hereby certify this to be a true copy of the proceedings as taken from the minutes of the meeting of the Logan County Commissioners on this date of January 2, 2007.


Kacy D. Kirby, Clerk/Administrator



OFFICE OF THE
LOGAN COUNTY ENGINEER
P.O. BOX 427
1991 COUNTY ROAD 13
BELLEFONTAINE, OH 43311
www.co.logan.oh.us

FILE COPY

SCOTT C. COLEMAN, P.E., P.S.
LOGAN COUNTY ENGINEER

TELEPHONE: (937) 592-2791
FAX: (937) 599-2658

December 29, 2006

The Honorable Board of
Logan County Commissioners
117 E. Columbus Ave., Suite 100
Bellefontaine, OH 43311

**RE: Reduction in the Load Limit on Bridge 39-6.80, over the South Fork of the
Miami River**

Dear Commissioners:

As a result of our annual bridge inspection, it has been determined that the deterioration of the steel beams on the above mentioned bridge warrants the reduction of the maximum weight of vehicle and load, and I recommend the following:

Bridge	Recommended load limits
Bridge 39-6.80, Richland Township	20% reduction (80% legal)

Therefore, in accordance with Section 5577.071 of the Ohio Revised Code, I am requesting that your honorable board adopt a resolution reducing the maximum weight of vehicle and load on the above mentioned bridge. This structure appears to be a good candidate for repairs.

Sincerely,



Scott C. Coleman P.E., P.S.
Logan County Engineer

Memo

To: Bridge Files
From: Stephanie Ann Goff, Assistant Engineer
Date: 11/10/98
Re: Change in Bridge Numbers

In 1998, the Logan County Engineer's Office had Mastemind Systems re-run the control point information for all of Logan County.

Therefore, all of the log points for the bridges have changed. In each file, a BR-87 was filled out showing the change in log points and this memo was attached to show the reason for the changes.

ACQUISITION

RIGHT-OF-WAY

BRIDGE 39 - 6.86

NAME	AREA TO BE ACQUIRED	AMOUNT
Mr. Bent Denman c/o H. J. Laughlin R. R. #2, Belle Center, Ohio 43310	0.095 acres	\$47.50
Mr. Donald W. Kerns 3600 North State Route 48 Covington, Ohio 45318	0.137 acres	68.50
Mr. Willis P. Bates Belle Center, Ohio 43310	0.155 acres	77.50
	<hr/>	<hr/>
TOTAL	0.387 acres	\$193.50

177

AGREEMENT FOR CHANNEL CHANGE

County Highway No. 39, Section 6.86, Logan County

ARTICLES OF AGREEMENT

These articles of agreement entered into this day of 19

by Willis P. Bates etux and the County Engineer, Logan County, Ohio, Witnesseth:

That Willis P. Bates etux, for and in consideration

of the sum of One Dollars (\$1.00) to them paid by the County of Logan do hereby grant permission to said County of Logan to use the hereinafter described portion of the premises for the purpose of excavating and completing a channel change for Red Slough at Bridge No. 39-6.86 in connection with the above proposed improvement; the Grantors further agree to permit the County of Logan to perform such maintenance and repair operations on said channel change as may be necessary to protect the highway, and further, the Grantors for the consideration hereinbefore named, release the County of Logan from and waive all damages of every kind and nature whatsoever arising from or in any manner growing out of the aforesaid channel change or said maintenance and repair operations necessary to protect said highway. The said channel change is to be made on the following described premises: Situated in the State of Ohio, County of Logan, Richland Township, Section, Town, Range, and more fully described as follows:

PARCEL NO. 3

Being a strip of land 100 feet wide for the purpose of straightening Red Slough channel from Bridge No. 39-6.86 to a point approximately 500 feet downstream

IN WITNESS WHEREOF, said Willis Bates and Helen Bates have hereunto set their hands the 5th day of June, in the year of our Lord one thousand nine hundred and seventy-three.

Signed and sealed in the presence of:

Willis Bates and Helen Bates (with signatures)

STATE OF OHIO ss: COUNTY OF LOGAN

Before me, a, in and for said County and State, personally appeared the above named and

who acknowledged that he did sign the foregoing instrument and that the same is free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Ohio, this day of, A.D. 19

AGREEMENT FOR CHANNEL CHANGE

County Highway No. 39, Section 6.86, Logan County

ARTICLES OF AGREEMENT

These articles of agreement entered into this day of 19

by Bent Denman and the County Engineer, Logan County, Ohio, Witnesseth:

That Bent Denman, for and in consideration

of the sum of One Dollars (\$ 1.00) to him paid by the County of Logan do es hereby grant permission to said County of Logan to use the hereinafter described portion of his premises for the purpose of excavating and completing a channel change for South Fork at Bridge No. 39-6.86 in connection with the above proposed improvement; the Grantor further agrees to permit the County of Logan to perform such maintenance and repair operations on said channel change as may be necessary to protect the highway, and further, the Grantor for the consideration hereinbefore named, releases the County of Logan from and waives all damages of every kind and nature whatsoever arising from or in any manner growing out of the aforesaid channel change or said maintenance and repair operations necessary to protect said highway. The said channel change is to be made on the following described premises: Situated in the State of Ohio, County of Logan, Richland Township, Section , Town , Range , and more fully described as follows:

PARCEL NO. 2

Being a strip of land 75 feet wide and 100 feet long for the purpose of connecting the channels of South Fork and Red Slough at a point approximately 600 feet upstream from Bridge No. 39-6.86

IN WITNESS WHEREOF, said Bent Denman and has hereunto set his hand the 5th day of June, in the year of our Lord one thousand nine hundred and Seventy-three

Signed and sealed in the presence of:

H. P. Langshier, Agent for Bent D. Denman, Carl Richerts

STATE OF OHIO ss: COUNTY OF LOGAN

Before me, a , in and for said County and State, personally appeared the above named and who acknowledged that he did sign the foregoing instrument and that the same is free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and official seal at Ohio, this day of , A.D. 19

$$\begin{array}{r} 282+53 \\ 276+57 \\ \hline 596 \end{array}$$

$$\begin{array}{r} 282+74 \\ 76+76 \\ \hline 548 \end{array}$$

$$\begin{array}{r} 276+76 \\ 275+83 \\ \hline 93 \end{array}$$

2864.79

FB 704 6-

June 1966 DM

35

OLD FB No

2829.79

2899.79

BATES 19.78

$$270 - 275 + 83 = \frac{10 \times 583}{43560} = .134 \checkmark$$

BATES 0.17A

$$275 + 83 - 276 + 76 = \frac{10 \times 93}{43560} = .021 \checkmark$$

KERUS 6.59

$$276 + 76 - 282 + 74 = \frac{10 \times 598}{43560} = .137 \checkmark$$

COOK 42.1

$$270 + 00 - 272 + 43 = \frac{10 \times 243}{43560} = .056 \checkmark$$

DENMAN 29.88

$$272 + 43 - 276 + 57 = \frac{10 \times 414}{43560} = .095 \checkmark$$

MANAHAN 5.67A

$$276 + 57 - 282 + 53 = \frac{10 \times 596}{43560} = .137 \checkmark$$

$$\underline{274 + 50.65}$$

//

WARRANTY DEED

Know all Men by these Presents

THAT Mary C. Ramsey, married,

, the Grantor
who claimstitle by or through instrument, recorded in Volume 313 , Page 454
Logan County Recorder's Office, for the divers good causes and considerations
hereunto moving, and especially for the sum of Ten ----- Dollars (\$10.00)
received to her full satisfaction of Donald W. Kerns and Velma G. Kerns

, the Grantees,
whose TAX MAILING ADDRESS will be Belle Center, Ohio

do es
GIVE, GRANT, BARGAIN, SELL and CONVEY unto the said Grantees, their heirs and
assigns, and to the survivor of them, his or her separate heirs and assigns, the following
described premises, situated in the Township of Richland , County of
Logan and State of Ohio: and being in V.M.S. 9972.

Beginning at an iron in the center of County Road Number
39 known as the Huntsville - Belle Center pike. Said
iron being at the Southwest side of the Corporation line
of Belle Center; thence North 51 deg. 57' West 358.50
feet to an iron. The last described line being along
the Southwest side of Lots Number 239, 238 and 237; thence
South 38 deg. 01' West 576.50 feet to an iron; thence
South 6 deg. 21' East 449.00 feet to a rail road spike
in the root at the West side of a 36 inch hackberry tree;
thence North 88 deg. 40' East 104.60 feet to an iron in
the center of County Road Number 39. The last two lines
being along the East side of a 69.78 acre tract in the
name of Willis Bates; thence with the center line of
County Road Number 39 North 36 deg. 00' East 574.40 feet
to an iron; thence again with the center of County Road
Number 39 North 35 deg. 00' East 256.80 feet to the place
of beginning. The above described/tract contains 6.59
acres.

The said 6.59 acres being all of a 5.12 acre tract now in
the name of Mary C. Ramsey and being 1.47 acres out of the
South side of a 7.81 acre tract also now in the name of
Mary C. Ramsey.

This survey made by Foster F. Wright, Registered Surveyor
Number 1673.

PRIOR INSTRUMENT REFERENCE: Volume 313, Page 454 of the
Deed Records of Logan County, Ohio.



be the same more or less, but subject to all legal highways.

R/W To Be Acquired

C.H. 39

Pa. 39-686

Donald W. Keebs 6.59 Ac. Te.

0.137 @ \$500 = \$68.50

Willis P. Bates 69.78 Ac. Te.

1.34 @ \$500 = 67.00

Willis P. Bates 0.17 Ac. Te.

0.021 @ \$500 = 10.50

Total 77.50

Bert Denman

29.88 Ac. Te.

0.095 @ \$500 = \$47.50

Mr. Bert Denman

0.095 acres

\$47.50

% H.S. Laughlin

R.R. 2 Bollo Center, Ohio 43310

Mr. Donald W. Kerns

3600 North State Route 48

Covington, Ohio 45318 0.137 acres

\$68.50

Mr. Willis P. Bates

0.155 acres

\$77.50

Bollo Center, Ohio 43310

\$193.50

285+91
3+53

282+38

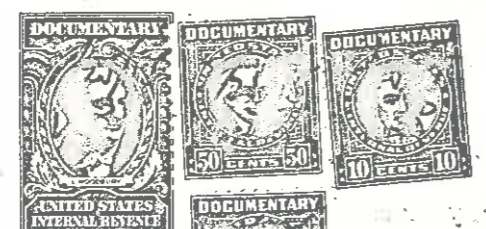
VOL 227 PAGE 82

Being a part of Virginia Military Survey No. 9972 and beginning at
astone and brick in the Northwood or Mill Road at the S.E.corner of
A.A.Westfall's four acre lot from which an apple tree 5 inches in
diameter bears North 29 1/2 deg.E. 107 links;thence with said road
S. 2 1/4 deg.E. 4.73 chains to a stone and brick from which a mul-
berry 12 inches in diameter bears N. 37 1/4 deg.E. 67 1/2 links and
a B.walnut 14 inches in diameter bears N. 50 3/4 E. 113 links;thence
S. 28 E. 4.50 chains crossing a branch to an iron spike driven in said
road in the north line of Pollock's land;thence with said line S. 79
W. 7.10 chains to an ash and three maples from the same root;thence S.
10 1/2 E. 84 links to a stone and brick N.E.corner to a small lot
conveyed by Robert Mitchell to William Pollock;thence S. 79 deg.W.
10.25 chains to the road leading from Belle Center to Richland;thence
N. 30 E. with said road 15.75 chains to a stone and brick in said
road at one of A.A.Westfall's corners;thence S. 85 1/2 E. 6.75 chains
to the place of beginning,containing eleven acres and sixty five one
hundredths (11.65) of an acre,more or less.SAVE AND EXCEPT the follow-
ing portion conveyed to Donald Kerns and Velma Kerns,his wife, and
beginning at a point in the center of the Belle Center and Nothwood or
Road at the southeast corner of a 4 acre tract formerly belonging to
A.A.Westfall;thence S. 24 deg. E with the center of said Mill Road 312
feet to an angle in said road;thence continuing with the center of said
road,S. 28 deg. E. 140 feet to an iron pin;thence N. 85 1/2 deg.W.
850 feet to the center of the Belle Center and Richland Road (now known
as County Road No. 39);thence N.30 deg. E. with the center of said
road 353 feet to the southwest corner of tract now belonging to Donald
W.Kerns;thence S. 85 1/2 deg.E. with Kern's south line 210 feet to a
post;thence N. 4 1/2 deg.E. 75 feet to a post;thence S. 85 1/2 deg. E.
265.5 feet to the place of beginning,containing 5.50 acres.This trans-
fer is recorded in Volume 201 Page 242 of the Logan County,Deeds Records.

Decedents title is recorded in Deed Book 180 Page 39 and Deed Book 206
Page 487,Records of Deeds,Logan County,Ohio

179 66
115-30

50030



KNOW ALL MEN BY THESE PRESENTS:

THAT LuBona J. McKirahan and John A. McKirahan,
her husband

in consideration of One Dollar and other valuable considerations
to them paid by Bent Denman

the receipt whereof is hereby acknowledged, do hereby **Grant, Bargain, Sell and Convey** to the said

Bent Denman

his heirs and assigns forever

The following described real estate, situated in the County of Logan, in the State of Ohio, and in the township of Richland and bounded and described as follows: Being a part of Virginia Military Survey Number 9972, and beginning at a stake in the center of the Belle Center and Northwood Pike and in the east line of said Survey number 9972 at the northeast corner of a hundred acre tract formerly owned by Joseph Liles, witnesses sugar tree 24 inches in diameter North 41 deg. and 45' East 62½ links distant; thence with the east line of said survey north 7 deg. west line to a stake in said road (pike) and at the northwest corner of Reed land (formerly owned by David Alexander) 18 chains 99½ links in the center of the said Northwood and Belle Center pike on line with east and west fence; thence on an angle to the left of 57 deg. 15' following the line of said fence 9 chains and 82 links to center of oak anchor post 8 inches in diameter being the southwest corner of lands owned by the Kennedy estate; thence on an angle to the right 77 deg. and 55' and following line fence between said Kennedy estate and lands formerly owned by Joseph Liles 4 chains and 66½ links to a point in the center of the said Belle Center and Northwood pike; thence on an angle to the left of 81 deg. 32' and following center of pike 9 chains to angle in said pike; thence on an angle to the right of 12 deg. 45' and following center of said pike 3 chains and 35½ links to angle in said pike; thence on an angle to the right of 9 deg. and following center of said pike 8 chains and 55½ links to a point on bridge over Red Slough Ditch; thence on an angle to the left of 51 deg. 5' following left bank of said ditch and fence line 6 chains 91½ links to center of a 9 inch elm anchor post on left bank of said ditch; thence on an angle to the left 85 deg. 62½ links to a 4 x 4 inch oak anchor post; thence on an angle to right of 84 deg. 30' and following line fence between lands formerly owned by Joseph Liles and lands now known as Samuel Lambert land 10 chains 58½ links to center of Belle Center and New Richland Pike on bridge over Miami River; thence on an angle to the left of 45 deg. 35' and following center of said pike 6 chains 9½ links to a point in center of said pike and on line with line fence between lands of Osmun Liles and lands formerly owned by Joseph Liles; thence on an angle to the left 113 deg. and following said line fence 5 chains 83½ links to a stake being the northeast corner of Osmun Liles land; thence on an angle to the right of 69 deg. 8' 34 chains and 53 links to a stone; thence on an angle to the left of 89 deg. 30' 38 chains and 34 links to place of beginning, containing one hundred and forty (140) acres of land, be the same more or less. The above description contains what is known as the Pollock farm, the tract conveyed by M. S. Harrod to Joseph Liles, the tract conveyed by Mary Harrod et al. to Joseph Liles, and tract conveyed by J. I. Stewart to Joseph Liles, and also a portion of land known as the "McGaughy Farm". (This description is found in Vol. 129 page 284.)
Possession of the above described premises is to be given to grantee on March 1st, 1941.

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5010



THE **CROWN** DIVISIONS
OF THE ALLEN GROUP INC.



EXECUTIVE OFFICES
1330 NORTH MAIN STREET
ORRVILLE, OHIO 44667
AREA CODE (216) 682-8010

TO: Mr. Chester R. Kurtz DATE: May 4, 1973
Logan County Engineer
P.O. Box 427
Bellefontaine, Ohio 43311

SUBJECT: Bridge No. 39-6.86
USF Order No. 53-32406

Gentlemen:

We are sending you attached under separate cover via U.S. Mail the following items:

- Shop Drawings 3 Prints Plans Samples
- Specifications Erection Drawings Other

These are transmitted as checked below:

- For Approval Approved as submitted Resubmit copies for approval
- For your use Approved as noted Submit copies for distribution
- As requested Returned for corrections Return corrected prints
- For review and comment Other

Remarks: _____

cc: R. Porter

By J. P. Slater
Sales Manager

UNITED STEEL FABRICATORS DIVISION
Highway Products Department

RECEIVED

0785-21 DIQ

MAY 7 1973



SHIPPING ORDER

UNITED STEEL FABRICATORS DIV.

ALLEN GROUP INC.

ORRVILLE, OHIO 44667



1 to

OUR ORDER NO.

Invoice No.

Logan County Commissioners
c/o Chester R. Kurtz, Co. Engr.
P.O. Box 427

53-32406
4-24-72

Shipping and
Invoice Date

Bellefontaine, Ohio 43311

Weight 38,664#

CUSTOMER ORDER NO. DATE

Logan County Highway Dept.
c/o Chester R. Kurtz, Co. Engr.
Bridgesite: Instructions Later
(Ph. No. 513-592-2791)

Shipped Via Truck

PREPAID COLLECT

Terms Net 30 Days F. O. B. Wooster, Ohio

Shipment No.

Item Number	DESCRIPTION	Part or Mark Number	Quant. Ord's This Release	Unit Price	Quant. Back Ord's This Release	Quantity Shipped	Amount
1.	HOT DIP GALVANIZED U.S.F. STRUCTURAL PLATE BRIDGE FLOORING w/3" x 9" CORRUGATIONS Fabricate for erection by clamp method per USF Dwg. No. 32406-E1	32406-1 (904631)	46 Pcs.				
2.	5 Ga. Plates 18" wide x 30' long	32406-2 (904845)	1 Pc. 2768 SF	3.80			\$ 10,518 40
3.	Shop skew cut (15) Plates Fabricated per Dwg. No. 32406-1 cut into (26) Pcs. (904952)	32406-3 (904952)	26 Pcs.		Priced w/Flooring		
4.	Stringer Clamp Assemblies		1050 Units		Priced w/Flooring		
5.	Edge Joint Clamp Assemblies		610 Units				
6.	End Dam Assemblies		124 Units				
4.	3/4" x 2" Galv. Bolts	108387	734				
5.	3/4" x 5" Galv. Bolts	108389	1050				
6.	3/4" Galv. Hex Nuts	108400	1784				
7.	3/4" Galv. Flat Washers	108285	1660				
8.	Galv. Clamp Angles (904442)	14-353	1050				
9.	2 1/2 x 2 1/2 x 1/4 Galv. Clip Angles (904426)	14-313	124				
10.	7 Ga. Galv. End Dams 3/2" x 144" (904428)	14-315	16				\$ 10,518 40

NOTE: The above assemblies to consist of the following hardware and accessories:

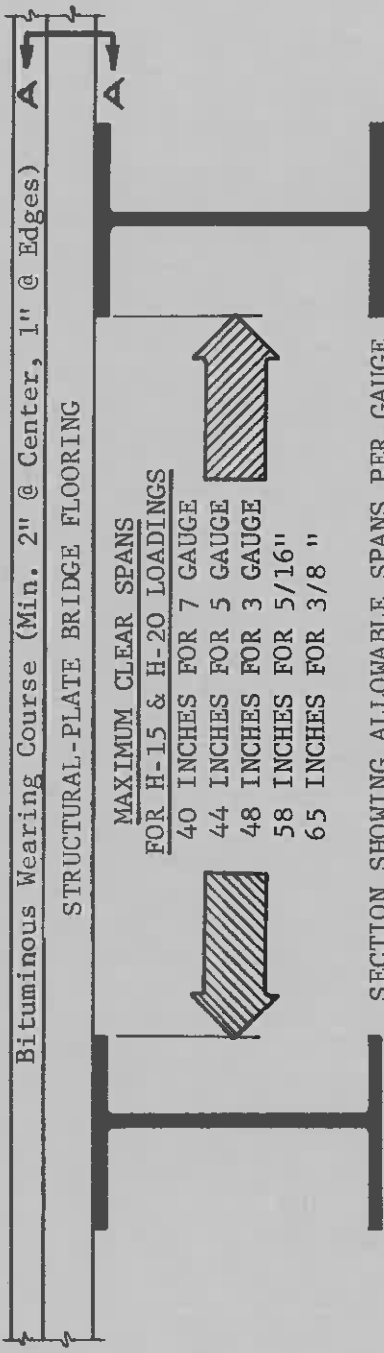
PROJECT: Bridge No. 39-6.86 over Middle Branch of Great Miami River Richland Twp.

USF to notify customer prior to shipment so arrangements can be made to receive and unload materials.

ACKNOWLEDGMENT
This order has been placed on our fabricating schedule, and shipment is expected to leave our plant about 05/11/72 - 73
THANK YOU



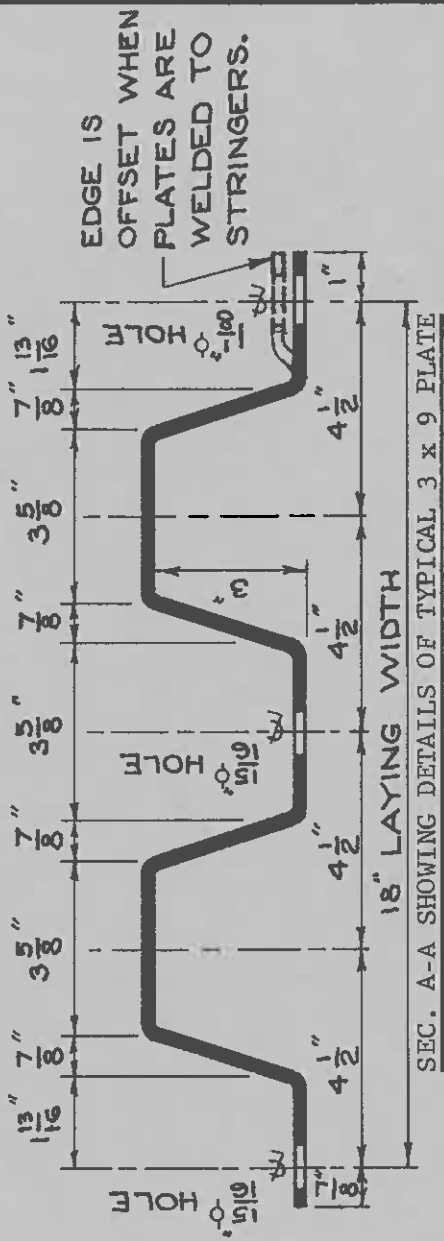
USF STRUCTURAL-PLATE BRIDGE FLOORING W/3x9 CORRUGATIONS



SECTION SHOWING ALLOWABLE SPANS PER GAUGE

PLATES FURNISHED: GALVANIZED AFTER FABRICATION ASTM A-123 OR WITH PRIME COAT OF BAKED-ON LEAD CHROMATE
 PLATES OVER 12' IN LENGTH MAY BE SPLICED BY WELDING 2 OR MORE PLATES TOGETHER END TO END AS FOLLOWS:

- (1) All splices not occurring over stringers shall be continuous butt welds on both sides.
- (2) Shop splices over stringers same as (1) except portion of weld bearing on stringer shall be ground smooth.
- (3) Field splices over stringers shall be continuous butt welds on top side only.

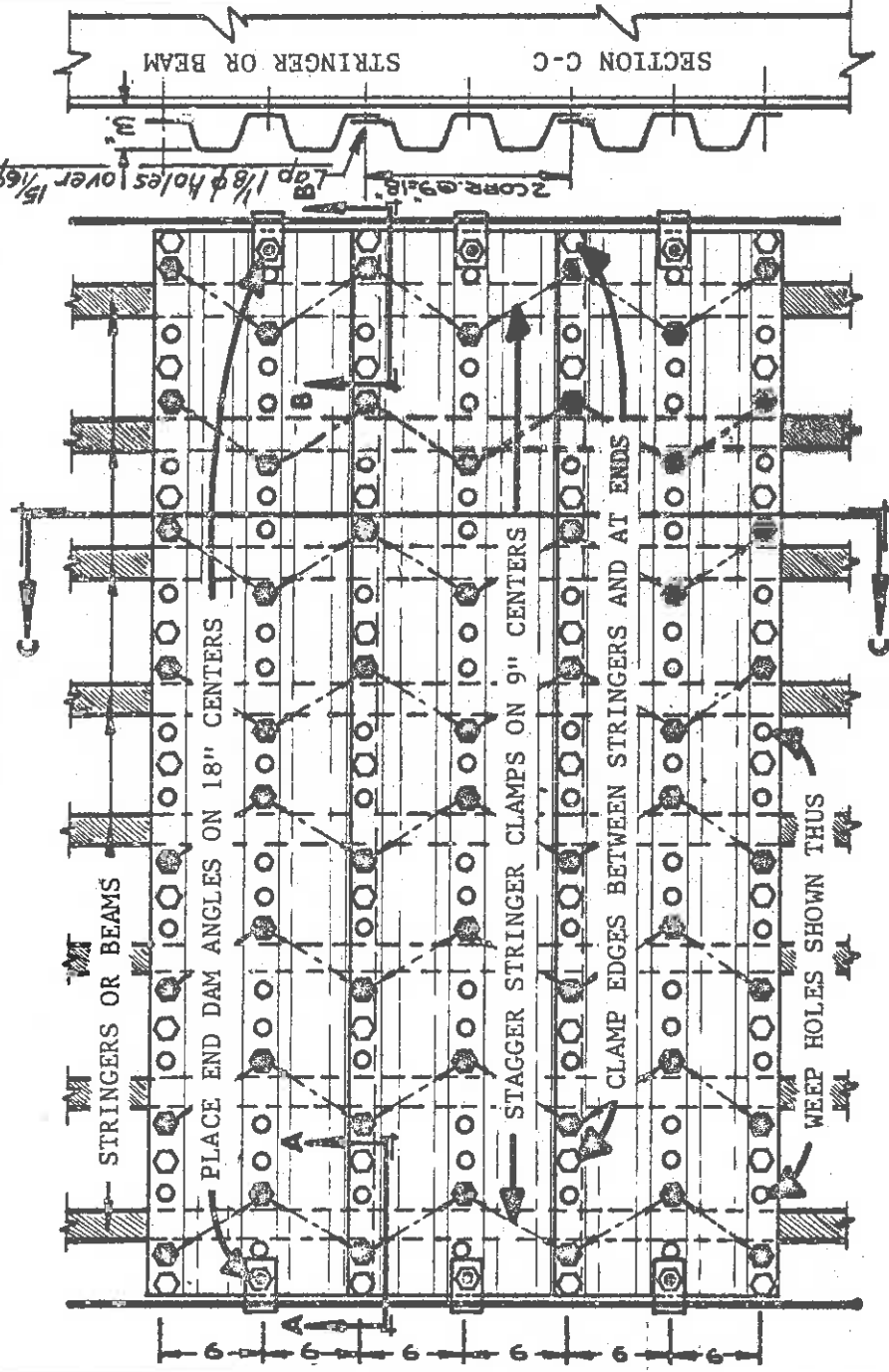


GAUGE	PHYSICAL PROPERTIES			WGT LBS/SF	ASPHALT LBS/SF	TOTAL DEAD LOAD
	WIDTH	S. IN ³ /IN	S. IN ³ * M. IN#			
7 (.1793")	18"	.217	4.34	11.0	34	45.0
5 (.2092")	18"	.251	5.02	12.8	34	46.8
3 (.2391")	18"	.281	5.62	14.6	34	48.6
5/16 (.3125")	18"	.350	7.00	19.1	34	53.1
3/8 (.3750")	18"	.403	8.06	23.0	34	57.0
Steel Spec. Minimum Tensile 55,000 P.S.I. Minimum Yield 40,000 P.S.I.						
* Based on 20" Wheel Spread						

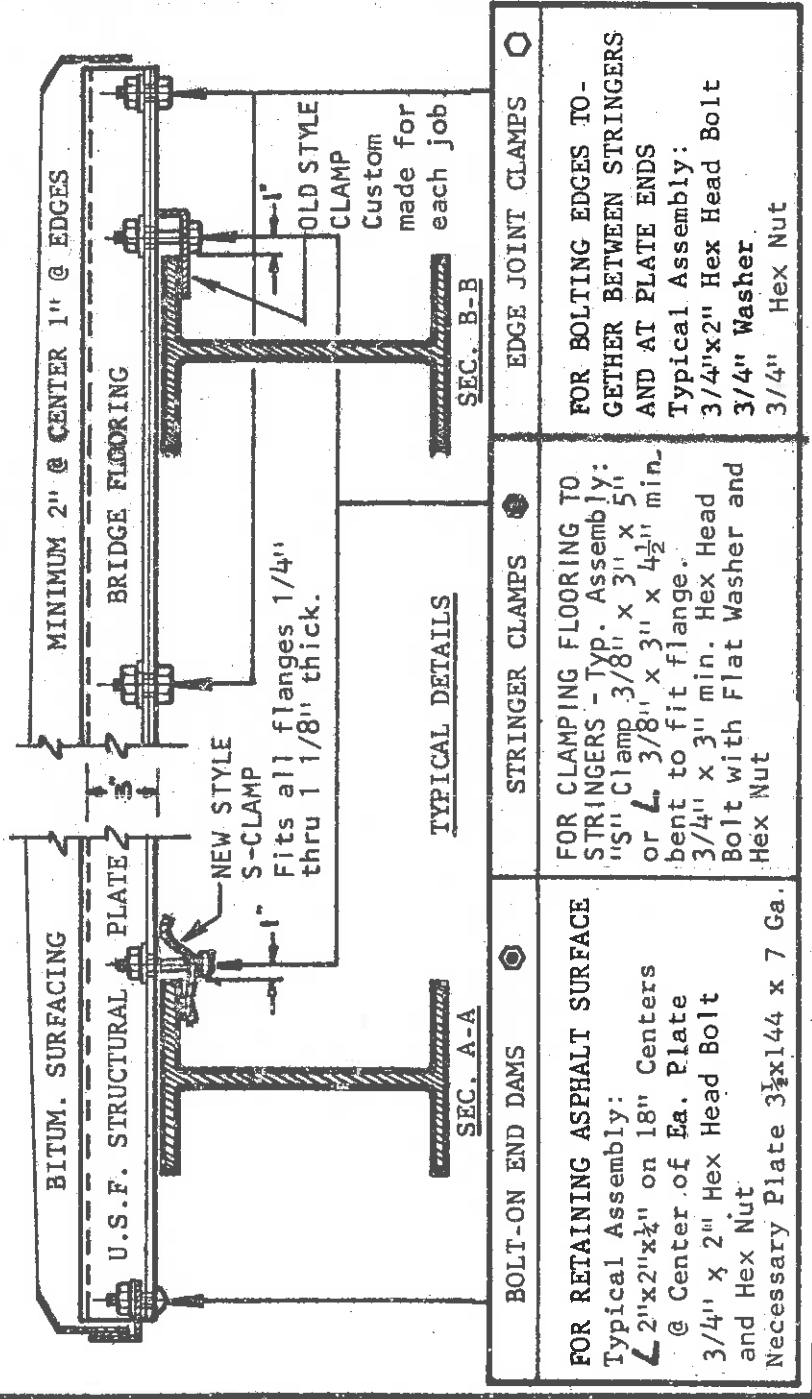
TO DESIGN OR ERECT FLOORS FOR:
 ATTACHMENT TO STRINGERS BY COMMON WELD METHOD - SEE DWG. NO. D12-04(2)
 ATTACHMENT TO STRINGERS BY STUD WELD METHOD - SEE DWG. NO. D12-04(3)
 ATTACHMENT TO STRINGERS BY CLAMP METHOD - SEE DWG. NO. D12-04(4)



ERECTION OF U.S.F. 3 x 9 BRIDGE FLOORING BY CLAMP METHOD



TYPICAL PLAN FOR CLAMPING U.S.F. 3 x 9 FLOORING TO STRINGERS
SEE DWG. NO. D12-04(1) FOR FLOOR PLATE DETAILS



BOLT-ON END DAMS

FOR RETAINING ASPHALT SURFACE
Typical Assembly:
L 2"x2"x¼" on 18" Centers
@ Center of Ea. Plate
¾" x 2" Hex Head Bolt
and Hex Nut
Necessary Plate 3½x144 x 7 Ga.

STRINGER CLAMPS

FOR CLAMPING FLOORING TO
STRINGERS - Typ. Assembly:
15" Clamp 3/8" x 3" x 5"
or L 3/8" x 3" x 4½" min.
bent to fit flange.
¾" x 3" min. Hex Head
Bolt with Flat Washer and
Hex Nut

EDGE JOINT CLAMPS

FOR BOLTING EDGES TO-
GETHER BETWEEN STRINGERS
AND AT PLATE ENDS
Typical Assembly:
¾"x2" Hex Head Bolt
¾" Washer
¾" Hex Nut

BRIDGE INVENTORY & APPRAISAL CODE SHEET

1	STRUCTURE FILE NO.	4633555C
2	TRANS. CODE	

CODED BY RA Buce DATE 2/14/79 CHECKED BY _____ DATE _____

REMARKS:

1	CARD NO.	1
2	0001 DISTRICT	
3	CITY OR TOWN	
4	GN/UNDER SYSTEM	14C0039
5	ROUTE NUMBER	
6	DIRECT. SUFFIX	1
7	PREF. ROUTE	
8	INVENTORY ROUTE	
9	SECTION NUMBER	
10	SECTION BEGN LENGTH	
11	SECTION END LENGTH	
12	SECTION BEGN	
13	SECTION END	
14	101. MIN. HORIZONTAL CLEAR.	
15	PRACTICAL HORIZONTAL CLEAR.	
16	101. MIN. VERTICAL CLEAR.	
17	PRACTICAL VERTICAL CLEAR.	
18	FT. IN.	
19	DN/UNDER SYSTEM	
20	ROUTE NUMBER	
21	DIRECT. SUFFIX	
22	PREF. ROUTE	
23	INTERSECTED ROUTE	
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383	INTERSECTED ROUTE	
384	SECTION NUMBER	
385	SECTION BEGN LENGTH	
386	SECTION END LENGTH	
387	SECTION BEGN	
3		

FULL AND FINAL RELEASE

For the sole consideration of One Thousand Seven Hundred Fifty Dollars

(\$ 1,750.00)

to and in hand paid by John Pequignot, William Heaton and John C. Ruble

, receipt of which is hereby acknowledged X/we, being of legal age, do for ourselves, our

heirs, executors, administrators, successors, and assigns hereby release and discharge John Pequignot and William Heaton,

individually and as partners, and John C. Ruble

corporations from any and all claims, demands and actions which X/we now have or may have arising out of any and all personal injuries, damages, expenses,

and any loss or damage resulting or to result from an accident occurring on or about the 22nd day of November, 1972

Logan County Bridge No. 39-6.86 on Logan County Highway No. 39, resulting in
damage to said bridge

It is further understood that the injuries and damages and the legal liability therefor are disputed and denied, and that this release is to compromise and terminate all claims for both known and unknown injuries and damages of whatever nature, including all future developments thereof, in any way growing out of or connected with or which may hereafter in any way grow out of or be connected with said accident, and that all agreements and understandings between the parties in reference thereto are embodied herein.

X/we hereby order that the above sum, or the specific parts thereof hereafter designated, shall be paid by the payor direct to:

The Logan County Commissioners and their attorney, Mark S. O'Connor

In Witness Whereof, X/we have hereunto set our hand and seal this

May day of May, 1976

THE LOGAN COUNTY COMMISSIONERS

Witness:

G. Parker Kennedy (SEAL)

Warren E. Smith (SEAL)

Donald E. Corwin (SEAL)

STATE OF OHIO

COUNTY OF LOGAN

ss.

On this day of May

, 1976, before me personally appeared

G. Parker Kennedy, Warren E. Smith and Donald Corwin, The Logan County Commissioners

to me known to be the person(s) described herein, and who executed the foregoing instrument, and they acknowledged that they voluntarily executed the same.

Anna C. Furrer
my Commissioner
Notary Public
8/23/77

RESOLUTION NO. 155-76

The County Commissioners met in regular open session on this date of May 14, 1976 with the full Board present.

Mr. G. Parker Kennedy moved that the following Resolution be adopted:

RE: Bridge No. 39-6.86
Court of Common Pleas Case No. 73-293

John R. Inskeep, Chairman
Parker Kennedy, V. Chr.
Warren W. Smith, Member

Plaintiffs,

John Pequignot and William Heaton,
individually and as partners, and
John C. Ruble

Defendants

WHEREAS in the above case involving the damages to Bridge No. 39-6.86, Mark S. O'Connor, Assistant Prosecuting Attorney, and Chester R. Kurtz, Logan County Engineer, have recommended to the Board of Commissioners of Logan County, Ohio, to accept the settlement offer of \$1,750.00,

THEREFORE BE IT RESOLVED by the Logan County Commissioners to accept the settlement offer of \$1,750.00 for the above damages and to sign the attached releasing the above Defendants from all claims hereinafter described in the attached release.

Mr. Warren W. Smith seconded the motion.

Roll Call resulted as follows:

Donald E. Corwin Yes
Mr. Donald E. Corwin, Chairman

G. Parker Kennedy Yes
Mr. G. Parker Kennedy, V. Chr.

Warren W. Smith Yes
Mr. Warren W. Smith, Member

I, Anna C. Farrow, Clerk hereby certify this to be a true copy of the proceedings as taken from the minutes of the meeting of the Logan County Commissioners on this date of May 14, 1976.

Anna C. Farrow
Anna C. Farrow, Clerk

Douglas MacGillivray
Prosecuting Attorney

Ronald E. Hadley
Mark S. O'Connor
Cheryl L. Thorpe
Asst. Prosecuting Attorneys

OFFICE OF
PROSECUTING ATTORNEY

OF

LOGAN COUNTY, OHIO

325 North Main Street - Phone 513 599-1386
Bellefontaine, Ohio 43311

Phil Alloway
Steve Skidmore
Investigators

Gary McLaughlin
Diversion Counselor

April 9, 1976

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

Re: Inskeep v. Ruble et al

Dear Chet:

Enclosed herewith please find a statement from the Court Reporter for the transcript of the deposition of March 4, 1976, with regard to the above matter. Please forward a check made payable to Ms. Spittler to our office so that we may take care of this matter.

Cordially yours,



Mark S. O'Connor
Asst. Prosecuting Attorney

MSO:pt
Enc.

*P.S. Serious Negotiations are
in progress, we should have an
offer Monday*

MSO:C

APR 12 1976

Douglas MacGillivray
Prosecuting Attorney

Ronald E. Hadley
Mark S. O'Connor
Cheryl L. Thorpe
Asst. Prosecuting Attorneys

OFFICE OF
PROSECUTING ATTORNEY
OF
LOGAN COUNTY, OHIO

325 North Main Street - Phone 513 599-1386
Bellevfontaine, Ohio 43311

Phil Alloway
Steve Skidmore
Investigators

Gary McLaughlin
Diversion Counselor

February 18, 1976

Mr. Chester R. Kurtz
Logan County Engineer
Tidewater Road
Bellevfontaine, Ohio 43311

Re: Logan County vs. Ruble
Case No. 73-293

Dear Chet:

This case, better known as the Milk Truck/Bridge Case has been set for jury trial on April 27, 1976. In this case we have a complication in that the defendants have filed a counter claim alleging that the bridge collapsed and damaged their truck.

We have previously requested a deposition of the owners of the truck but on the day it was scheduled there was a heavy snow and they did not make it. Subsequent negotiations made the deposition seem unnecessary. However, those negotiations have not produced fruit and I am attempting to reschedule the deposition for March 3 or 4.

I think a reasonable demand will settle this case; our last demand was for \$9,999.00 which is within the limits of the defendants insurance policy. I think we should subject this case to the same type of analysis which we gave the Horton Bridge Case. Namely, our damage is equal to the replacement cost less depreciation.

Please advise at your convenience if the deposition dates are agreeable to you, and also a time when we can get together to evaluate this case.

RECEIVED

FEB 20 1976

LOGAN COUNTY
ENGINEER

Chester R. Kurtz

- 2 -

February 18, 1976

Regarding the other bridge case, Logan County Commissioners vs. The Logan County Farm Bureau involving the Horton Bridge, I have been advised by the court reporter that the deposition is now complete and ready for your examination, reading and signature. If we do not examine and object to incorrect transmission within the next 28 days, the transcript will be filed without your signature.

Please advise me when you can examine the deposition in the court reporter's office. Thank you for your cooperation.

Cordially yours,

MacGILLIVRAY, HADLEY & O'CONNOR



Mark S. O'Connor

MSO:pw

*Feb. 20
11:00 A.M.
check.*

ESTIMATED COST TO REPAIR

BE. 39-6.86

TO CONSTRUCTION PRIOR TO ACCIDENT

SALVAGE MATERIALS

- 1 - TRUSS
- 5 - FLOOR BEAMS
- 15' GUARD RAIL

WEIGHT OF ONE TRUSS = 4035#

WEIGHT OF EX. STEEL = 6265#

TOTAL 10,300

ESTIMATED REPLACEMENT COST = ~~50¢~~^{75¢} / PER LB.

10,300# x 0.75 = ~~\$5150.00~~ \$7725.00

FLOORING

70' x 16' = 1120 SQ. FT. @ ~~1.00~~^{2.00} / SQ. FT. = \$1120.00
2240.00

GUARD RAIL

75' LIN. FT. @ \$2.50 / FT. = \$187.50

TOTAL COST = \$1051.50
\$10,152.50

LABOR AND EQUIPMENT REQ'D. TO

RESET SALVAGED TRUSS AND FLOOR BEAMS = 1000.00

\$11,152.50

RESOLUTION NO. 45-73

The County Commissioners met in regular session on this date of March 2, 1973 with the full Board present.

Mr. G. Parker Kennedy moved that the following Resolution be adopted:

re: Bridge No. 39-6.66

WHEREAS Bridge No. 39-6.36 was a 70 foot Pratt Truss which on the night of November 22, 1972 was struck by a truck and demolished,

THEREFORE BE IT RESOLVED that the County Engineer be authorized to replace said bridge with a continuous span steel beam bridge having spans of 28' -35' -28' on concrete abutments and steel piers with 30' roadway and

BE IT FURTHER RESOLVED that the County Engineer be authorized to proceed with construction of this project by force account, total cost to be \$39,900.00 as per letter of County Engineer dated February 28, 1973.

Mr. Warren W. Smith seconded the motion.

Roll Call resulted as follows:

John R. Inskeep

Mr. John R. Inskeep, Chairman

Ellen Kennedy

Mr. G. Parker Kennedy, V. Chz.

Warren W. Smith

Mr. Warren W. Smith, Member

Yes

Yes

Yes

I, Lois D. Krouse, Clerk hereby certify this to be a true copy of the proceedings as taken from the minutes of the meeting of the Logan County Commissioners on this date of March 2, 1973.

Lois D. Krouse

Lois D. Krouse, Clerk

NOTICE TO BIDDERS

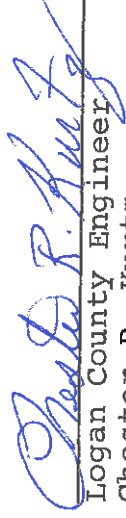
Sealed bids will be received at the office of the Logan County Engineer, County Highway No. 13, Bellefontaine, Ohio until 10:00 A.M. Eastern Standard Time, April 5, 1973 for the purpose of supplying structural steel for Logan County Bridge No. 39-6.86 in accordance with the Logan County Engineer's plans and specifications.

Bids shall be submitted on Logan County Engineer's forms only.

Alternate bids will not be accepted.

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

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



Logan County Engineer
Chester R. Kurtz

Advertise: March 22, 29, 1973

_____, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-6.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

MATERIAL

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Structural Steel	96,077	lbs.	_____	_____
2.	½" Neoprene Pads	24	pc's.	_____	_____
3.	3"x9" Structural Plate Flooring 5 Ga.	2768	sq.ft.	_____	_____
TOTAL				\$	_____

All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of _____ (\$ _____).

Delivery date: _____

Signed: _____

By: _____

April 5, 1973

MAILING LIST

STRUCTURAL STEEL BIDS FOR BRIDGE NO. 39-6.86

Champion Bridge Company, Inc.
Wilmington, Ohio 45177

Robert L. Porter
4301 Douglas Road
Toledo, Ohio 43613

Carter Steel & Fabr. Co., Inc.
Carlisle Street
Bellevfontaine, Ohio 43311

Ohio Bridge Corporation
203 Wheeling Avenue
Cambridge, Ohio 43725

Robert F. McGuckin
P.O.Box 5553
Columbus, Ohio 43221

Paul Glasgow
713 N. Grant
Wooster, Ohio 44691

February 28, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

Re: Bridge No. 39-6.86

Bridge No. 39-6.86 was a 70 foot Pratt Truss which on the night of November 22, 1972 was struck by a truck and demolished.

I propose to construct a continuous span steel beam bridge having spans of 28'-35'-28' on concrete abutments and steel piers with 30' roadway.

The estimated cost of the proposed structure is as follows:

Material	\$30,400.00
Labor	4,500.00
Equipment	3,000.00
Engineering	1,460.00
Retirement	360.00
Workmen's Compensation	<u>180.00</u>

Total Cost of Project \$39,900.00

County Highway No. 39 has been closed to traffic from T.R.No. 51 north to Belle Center since November 23, 1972. The existing detour will be maintained for this project.

I hereby request authorization to proceed with the construction of this project by force account.

Respectfully submitted,



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

CRK/DLD/ed

COPY

MacGILLIVRAY, HADLEY & O'CONNOR

Attorneys at Law

128 NORTH MAIN STREET
BELLEFONTAINE, OHIO 43311
PHONE 513 593-1841

DOUGLAS D. MAC GILLIVRAY
RONALD E. HADLEY
MARK S. O'CONNOR

November 22, 1974

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

Re: Inskeep vs. Ruble et al

Dear Chet:

Mr. Heydinger has requested a deposition of you regarding the above case. It is tentatively scheduled for December 2, 1974, at 10:00 o'clock A. M.

Please advise immediately if this date is inconvenient.

Cordially yours,

MacGILLIVRAY, HADLEY & O'CONNOR



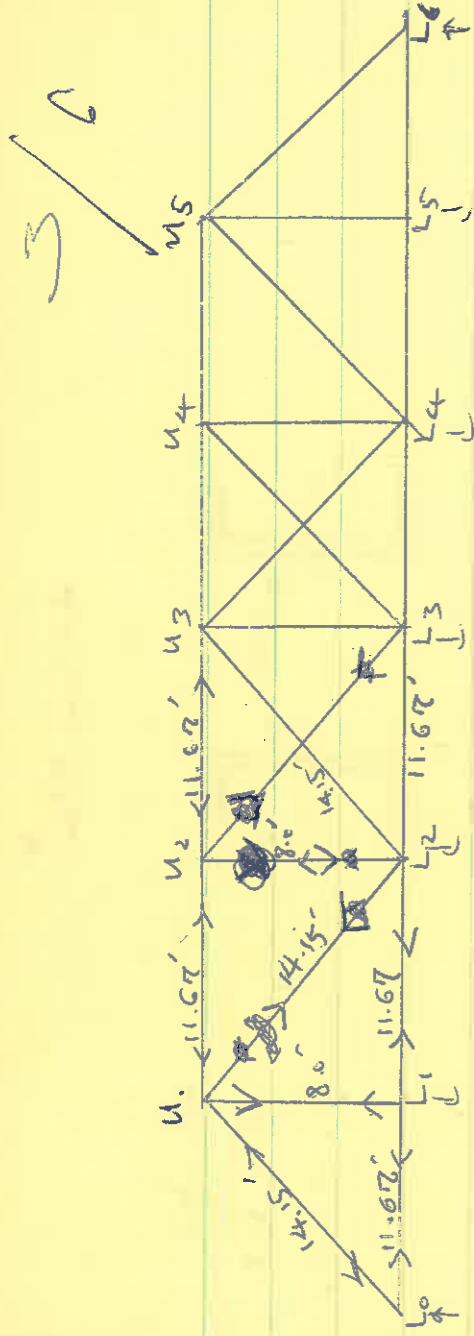
Mark S. O'Connor

MSO:pt

RECEIVED

NOV 26 1974

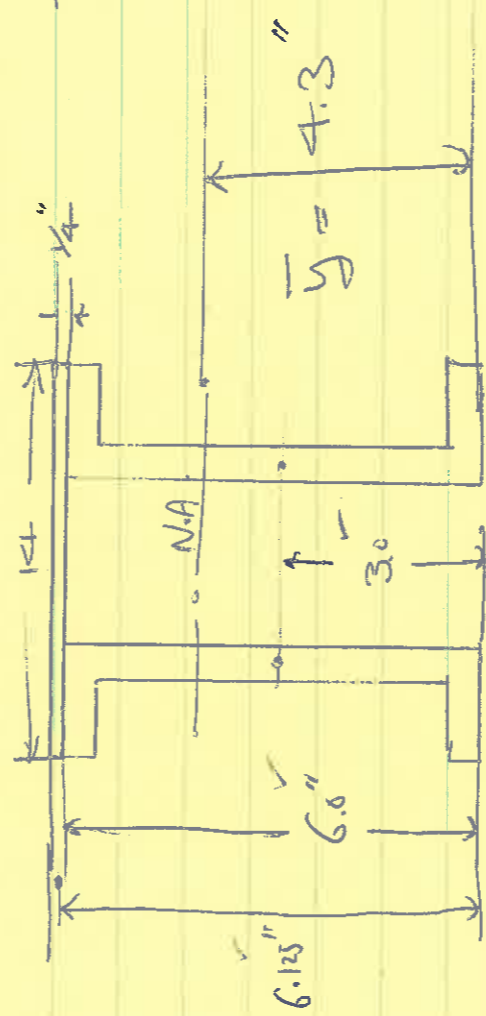
LOGAN COUNTY
ENGINEER



SECTION AREA

- $L_0 U_1$ $2 \times 2.38 + 3.5 = 4.76 + 3.5 = 8.26 \text{ in}^2$
- $L_0 L_1$ $2 \times 1.88 = 3.76 \text{ in}^2$
- $U_1 L_1$ $2 \times .75 = 1.5 \text{ in}^2$
- $U_1 L_2$ $2 \times 2 \times \frac{3}{4} = 3.0 \text{ in}^2$
- $U_2 L_3$ $2 \times \frac{1}{2} \times 1 \frac{1}{2} = 1.5 \text{ in}^2$
- $L_1 L_3$ $2 \times \frac{3}{8} \times 3 \frac{1}{2} = 6.125 \text{ in}^2$

$$\frac{1.135}{4.38} = 1.88$$



$$\bar{Y} = \frac{14.28 \times 21.44}{8.26} = \frac{35.72}{8.26} = 4.3$$

$$I_{xx} = \frac{14 \times (14)^3}{12} + 3.5 (6.125 - 4.3)^2$$

$$= 11.66 + 0.02 = 11.68 \text{ in}^4$$

$$I_{yy} = 2 \times 13 + 4.76 (4.3 - 3.0)^2$$

$$= 26 + 8.04 = 34.04 \text{ in}^4$$

$$I_{\text{Total}} = 45.72 \text{ in}^4$$

$$R = \sqrt{\frac{45.72}{8.26}} = 2.35$$

UNIT STRESS USED FOR COMPRESSION MEMBER

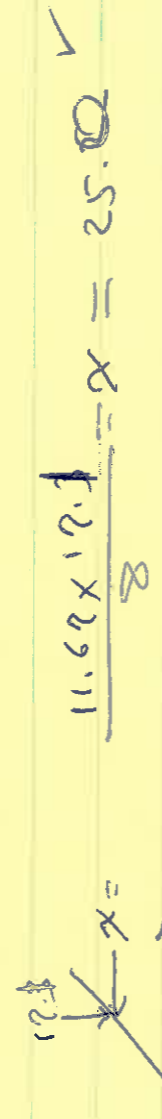
$L_{0U1} = \frac{14.15 \times 12}{2.35} = 22.25 = 22.3 \checkmark$

PIN CONNECTED $F = 1.66 \times 13.262 = 15.42 \checkmark$

$U_1 U_2 = \frac{11.62 \times 12}{2.35} = 59.6 \checkmark$

$F = 13.816 \times 1.662 = 16.12 \checkmark$

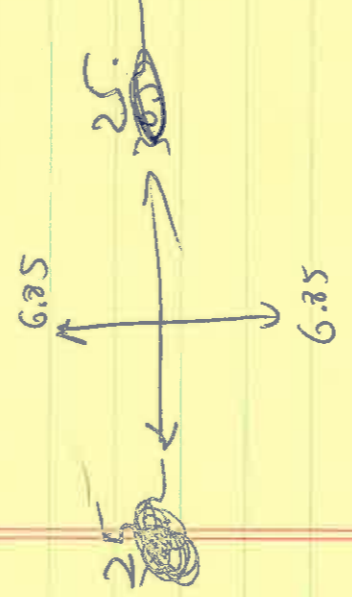
$U_1 U_2 = U_2 U_3 \quad F = 16.12 \checkmark$



$L_{0U1} = \frac{11.62 \times 12.1}{8} = X = 25.0 \checkmark$

$L_{0U1} = \frac{12.1 \times 14.15}{8} = 30.02 \checkmark$

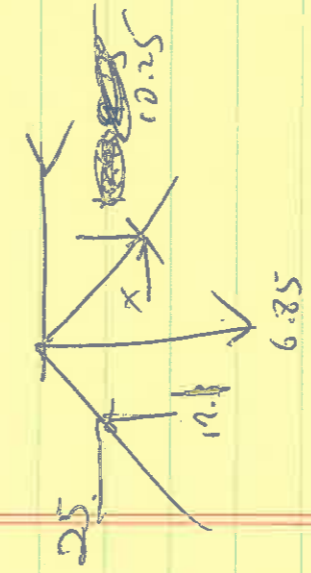
$L_{0U1} = 25.0$



$U_1 U_1 = 6.85$

$U_1 U_2 = 25.25$

10.25



$\frac{10.25 \times 11.62}{2} = X = 15.0$

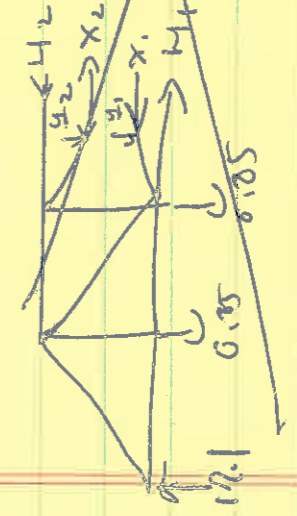
$U_1 U_2 = \frac{10.25 \times 14.15}{8} = 18.0$

$\frac{17.3}{6.85} = 2.53$

$\frac{17.3}{6.85} = 2.53$

$\frac{17.3}{6.85} = 2.53$

$U_1 U_2 = 25 + 15 = 40 \checkmark$



$R = 18$

$12.1 = 58.9 + 6.85 + 27.1$

$27.1 = 12.1 - 13.2$

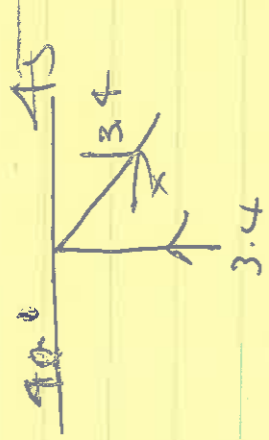
$Y_1 = \frac{3.5}{2} = 1.7$

$L_2 U_3 = 0$

Because it's counter member

5/6

$$u_2 u_2 = 3.4$$

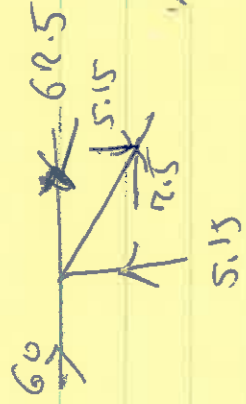


$$x = \frac{3.4 \times 11.67}{8} = 5.0$$

$$u_2 u_3 = \frac{3.4 \times 14.5}{8} = 6.0$$

$$u_2 u_3 = 4.5$$

9/6



$$1.2 \times 3 = \frac{5.15 \times 14.0}{8} = 9.1$$

D.L & L.L STRESSES,

L₀L₁ D.L $2.5 \times 6.85 \times \frac{14.15}{8} = 30.53$ ✓ $\frac{6.85}{2.5}$

L.L $(17.5 + 1.65 \times 11.67) \times 1.77 = 65.01$ ✓

L₀L₁ D.L $2.5 \times 6.85 \times \frac{11.67}{8} = 25.0$ ✓

L.L $(17.5 + 1.65 \times 11.67) \times 1.46 = 53.7$ ✓

U.L₁ D.L $1 \times 6.85 = 6.85$ ✓

L.L $(28.5 + 33 \times 11.67) = 32.35$

U.L₂ D.L $1.5 \times 6.85 \times 1.77 = 18.2$ ✓

L.L $(19 + 88 \times 11.67) \times 1.77 = 51.8$

U.L₂ D.L $4 \times 6.85 \times 1.46 = 40.0$ ✓ Correct

L.L $(28 + 2.64 \times 11.67) \times 1.46 = 85.9$ ✓

D.L₂ D.L $4 \times 6.85 \times 1.46 = 40.0$ ✓

L.L $(28 + 2.64 \times 11.67) \times 1.46 = 85.9$ ✓

U.L₃ D.L $4.5 \times 6.85 \times 1.46 = 45$ ✓

L.L $(31.5 + 2.97 \times 11.67) \times 1.46 = 96.6$

U.L₃ D.L $0.5 \times 6.85 \times 1.77 = 6$ ✓

L.L $(14.25 + 4.95 \times 11.67) \times 1.77 = 35.4$

L₂L₃ D.L $4 \times 6.85 \times 1.46 = 40.0$ ✓ $\frac{92.5}{10}$

L.L $(28 + 2.64 \times 11.67) \times 1.46 = 85.9$ ✓ 2.64

Wt of Built up Floor Beam

5.6
 $4 \times 405 + 25.5 = 1620 + 25.5 = 1645.5$
 47.9
 $1645.5 + 18 = 1663.5$ #/ft
 22.8
 $1663.5 + 18 = 1681.5$ #/ft

685
 $FBR = \frac{1681.5 \times 12.167}{2} = 6180$ # ✓

1107.32
 $I_{total} = 1038 \text{ in}^4$

1107.32
 $\text{Section Modulus} = \frac{I}{c} = \frac{1038}{12} = 86.5 \text{ in}^3$

D.L For Truss (#/panel)

END POST ^{27.9}
 $2 \times 14.15 \times (8 + 11.9) = 1789.57$ # 800.99

TOP CHORD
 $4 \times 11.67 \times 22.9 = 1302.37$ # 1321.04

DIAGONALS

2 X $14.15 \times 2 \times 2.55 = 144.33$ # ✓ $v_2 = 288.66$

2 X $14.15 \times 2 \times 5.1 = 288.66$ # ✓ $v_2 = 577.32$

2 X $14.15 \times 3.40 = 96.15$ # ✓

BOTTOM CHORD

4 X $11.67 \times 6.38 = 595.64$ # ✓ ²⁵

2 X $11.67 \times 10.4 = 485.47$ # ✓

VERTICAL CHORD

8' x 4' # ¹⁶
 $2 \times 2.55 = 163.2$ # ✓

6' x 8' # ¹⁶
 $5.25 = 252$ # ✓

4035.79 # ^{4065.78}

$\frac{4035.79}{20} \times 11.67 \text{ ft} = 622.63$ # / PANEL ^{677.82}

$\frac{20 \text{ ft}}{6} \times 6180 = 20600$

$\frac{20600}{6} = 6852.63$ # / PANEL ^{6557.51}

WS = 6.85 kips / panel ⁶⁰

$$\frac{3}{8} / 72 = \frac{1}{6}$$

BRIDGE 39-6.86

D.L FOR STRINGER (#/ft)

$$2 \times 4 \text{ STRIP} \quad \frac{50 \times 2.25}{3} = 37.5 \text{ #/ft}$$

$$3 \text{ " OF ASPHALT} \quad \frac{150}{4} \times 2.25 = 84.4 \text{ #/ft}$$

$$6 \text{ I } 12.25 \# \quad \frac{12.3 \text{ #/ft}}{134.2 \text{ #/ft}}$$

USE 140 #/ft

D.L FOR FLOOR BEAM (#/ft)

$$6 \text{ lines of } 6 \text{ " I } 12.25 \text{ #/ft} \quad 6 \times 12.25 \times 11.67 = 857.75 \#$$

$$0 \text{ line of } 6 \text{ L } 8.0 \text{ #/ft} \quad 2 \times 8 \times 11.67 = 370.88 \#$$

$$2 \times 4 \text{ " STRIP} \quad \frac{50}{3} \times 15.67 \times 11.67 = 3049.82 \#$$

$$3 \text{ " OF BIT. MAT.} \quad \frac{150}{4} \times 15.67 \times 11.67 = 6857.58 \#$$

$$\underline{11510.03 \#}$$

$$10,949.81$$

USE 220 #/ft

$$11510.03 \#$$

$$\frac{11510.03 \#}{17.167 \text{ ft}} = 670.47 \text{ #/ft} + \frac{44.7 \text{ #/ft}}{1.2} = 615.17 \text{ #/ft}$$

$$I = 1.2$$

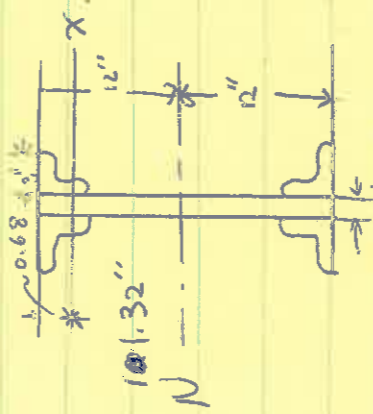
$$A = 16.2 \text{ in}^2$$

$$Wt = 4.5 \text{ #/ft}$$

$$\frac{620.47}{44.9} = 13.82$$

$$4 \text{ L } 2 \frac{1}{2} \times 3 \text{ " } \times \frac{5}{16} \text{ "}$$

2' x 5/16" PLATE



$$\frac{360}{30.55} = 11.78$$

$$\frac{117.87}{0.07} = 1684.57$$

$$\frac{360}{168.09} = 2.14$$

$$I_{LS} = 12.1 + 1.31 (11.32)^2$$

$$= 16.97 \text{ in}^4$$

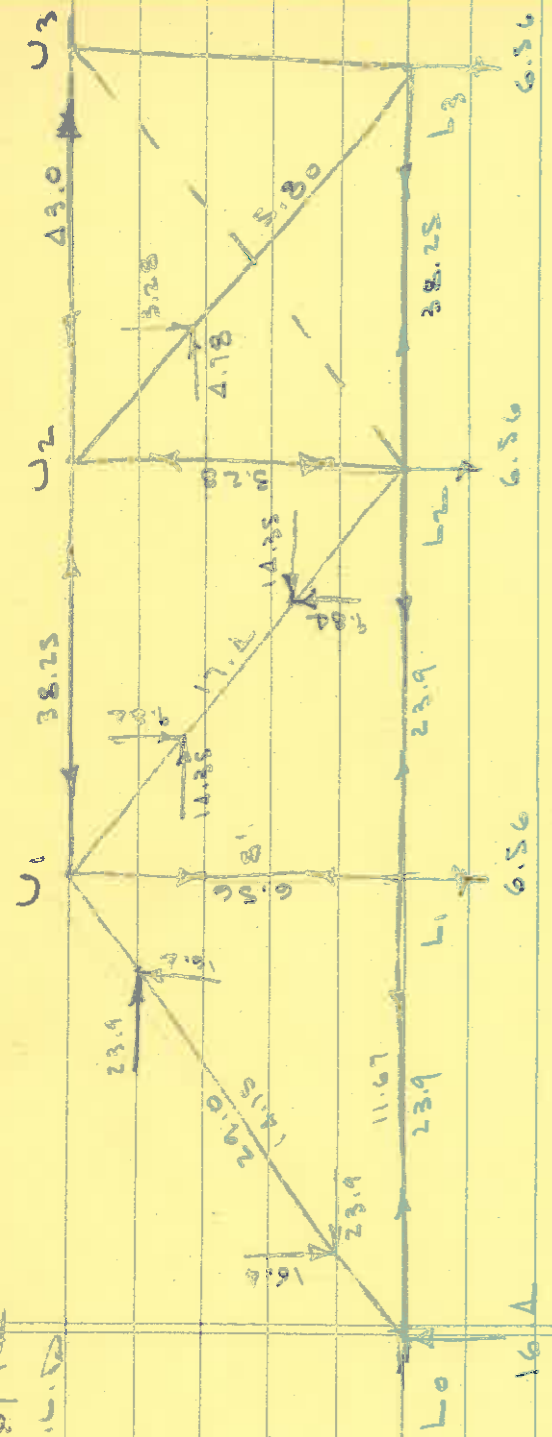
$$I_{4LS} = 675 \text{ in}^4$$

$$I_{wpl} = \frac{bd^3}{12} = \frac{5 \times (24)^3}{12} = 360 \text{ in}^4$$

$$I_{\text{total}} = 360 + 675 = 1035 \text{ in}^4$$

$$1107.32$$

11/28/74
01.10



$$x = \frac{16.4}{8} = 2.05$$

$$x = \frac{9.86}{8} = 1.23$$

$$x = \frac{16.4}{8} = 2.05$$

$$x = \frac{9.86}{8} = 1.23$$

$$x = \frac{3.28}{8} = 0.41$$

$$x = \frac{3.28}{8} = 0.41$$

Douglas MacGillivray
Prosecuting Attorney

Ronald E. Hadley
Asst. Prosecuting Attorney

OFFICE OF
PROSECUTING ATTORNEY
OF

LOGAN COUNTY, OHIO
128 North Main Street - Phone 513 593-3926
Bellevfontaine, Ohio 43311

March 15, 1973



Mr. Chester R. Kurtz, P.E.
Logan County Engineer
Tidewater Road
Bellevfontaine, Ohio 43311

Re: Accident report
Bridge No. 39-6.86

Dear Chet:

Having examined the accident report you enclosed in your letter of December 14, 1972, we feel that you are correct in your estimate that the driver of the automobile, John C. Ruble, should be requested to pay the damages. The question is dollars and cents, what are the damages?

Please make an estimate of the cost to repair the bridge to the condition it was prior to the accident. Forward the same to this office, and we will make a demand upon Mr. Ruble.

Cordially yours,

A handwritten signature in dark ink, appearing to read "Mark S. O'Connor".

Mark S. O'Connor
Assistant Prosecutor

MSO:jr

RECEIVED

MAR 16 1973

**LOGAN COUNTY
ENGINEER**

Douglas MacGillivray
Prosecuting Attorney

Ronald E. Hadley
Mark S. O'Connor
Asst. Prosecuting Attorneys

Phil Alloway
Investigator

OFFICE OF
PROSECUTING ATTORNEY
OF

LOGAN COUNTY, OHIO
128 North Main Street - Phone 513 593-3926
Bellevfontaine, Ohio 43311



July 12, 1974

Mr. Chester R. Kurtz, P. E.
Logan County Engineer
Tidewater Road
Bellevfontaine, Ohio 43311

Re: Inskip vs. Ruble et al

Dear Chet:

This case involves bridge No. 39-6.86 which was damaged on November 22, 1972, on County Road 39 when it was hit by a milk truck. The case has been set for pre-trial on September 23rd.

At that time, we must know who our witnesses are going to be, and negotiations are encouraged. Depositions, if any, are supposed to be done by this time. I am anticipating deposing the driver of the truck who claims he was on the bridge and the bridge collapsed. Mr. Heydinger wants to depose you. We have discussed dates for these depositions and the most convenient time for the attorneys appears to be the afternoon of September 12th or any time September 13th.

Please advise if you will be available on those dates, and, if so, let's set up a time beforehand when we can go over the questions that will probably be asked of you at the deposition.

Cordially yours,

A handwritten signature in cursive script, appearing to read "Mark S. O'Connor".

Mark S. O'Connor
Asst. Prosecuting Attorney

MSO:pt

RECEIVED

JUL 15 1974

LOGAN COUNTY
ENGINEER

OFFICE OF THE
COUNTY ENGINEER
LOGAN COUNTY
BELLEFONTAINE, OHIO 43311

CHESTER R. KURTZ, COUNTY ENGINEER

July 17, 1974

Mr. Mark S. O'Connor
Ass't. Prosecuting Attorney
Logan County
128 North Main Street
Bellefontaine, Ohio 43311

Re: Inskip vs. Ruble et al
your letter dated July 12, 1974

Dear Mark:

I can be available for deposition any time on
September 13, 1974.

I will be out of town from September 8th, through the
12th. I will be back in town about 3:00 P.M. on the 12th.
I can meet with you on the afternoon of the 12th, or early
on the 13th, to go over the questions. Perhaps it would be
better for us to get together the week of September 1st.
I would prefer Thursday, September 5th, at any time convenient
with you.

Very truly yours,



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

CRK:jr



*I'll contact you during the week of
the 1st for a get together - will
try to set the deposition up for 13th*

RECEIVED

JUL 23 1974

LOGAN COUNTY
ENGINEER

MOC

IN THE COMMON PLEAS COURT OF LOGAN COUNTY, OHIO

JOHN INSKEEP, ET AL., :

Plaintiffs, :

-vs- : Case No. 73-293

JOHN C. RUBLE, ET AL., :

Defendants. :

SUBPOENA DUCES TECUM

TO: Mr. Chester Kurts, Logan County Engineer

You are required to attend on the 13th day of September, 1974, at 1:30 P.M. in the jury room in the Logan County Court House for the purpose of having your deposition taken before the court reporter in the above entitled case and not depart without leave. Fail not under penalty of law.

Bring with you the following records and documents which are in your possession or under your control:

1. Any and all reports or proposals prepared before November 22, 1972, regarding the condition of or prospective improvements to County Bridge 39-6.86.
2. Any and all reports, proposals or schedules for improvements prepared before November 22, 1972, regarding Logan County Bridges in general should such documents have any relation to County Bridge 39-6.86.
3. Any and all reports, documents or papers relating to the reconstruction of County Bridge 39-6.86.
4. It is the intention of the above requests to ask you to bring any and all documents having any relation to County Bridge 39-6.86

WITNESS my hand this 6

day of September, 1974.

Eileen B Fulton
Court Reporter

PROOF OF SERVICE

This is to certify that this writ was served on Chester Kurts, named therein, personally on the 9TH day of September, 1974.

John L. Ross
Of Counsel

CANCELLED
9/10/74
J. L. Ross
Of Counsel

June 1, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

Re: Bridge 39-6.86
Contract for pile driving


After starting the above project we find that the piling for the substructure has to be driven a distance of 90+ feet to bearing instead of the estimated 30 feet. This is causing us a considerable time delay in getting the project completed and for the public interest we are concerned about the extended time the bridge will be closed.

We have received a quotation from Frantz Brothers, Sidney, Ohio to drive the piling on the south abutment and south pier while our crew finishes the north abutment and pier. This should speed the project up by about 6 weeks. Their quotation is as follows:

Move equipment to job site and set up	= \$1,500.00
Remove old abutment	= 300.00
Drive 1120* feet of H piling @\$6.00/ft.	= <u>6,720.00</u>
Total estimate	= \$8,520.00

We feel this is a very fair market price. We request your honorable board to adopt a resolution declaring an emergency due to the difficulties that have developed in driving the piling, the delays that will occur to the traveling public and the necessity of bringing this project to completion as soon as possible so that we can get involved in other necessary projects and authorizing us to hire said Frantz Brothers to perform the necessary work above for the county.

Respectfully submitted,


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

CRK/ed

C
O
P
Y

April 6, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311


Gentlemen:

Re: Bridge No. 39-6.86
Material Bids

Bids for the above were taken by our office on April 5, 1973 and the results are shown on the attached tabulation sheet. Copies of the individual bids are also presented for your review.

We request your honorable board to adopt a resolution awarding the purchase of materials from Sidney Machine Mfg. Company, Sidney, Ohio, the low bidder.

Respectfully submitted,


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

CRK/ed

Att: Tabulation Sheet
Bid Notice

COPY



33

Sold to

Logan County Commissioners
c/o Chester R. Kurtz, Co. Eng.
P.O. Box 427
Bellevue, Ohio 43001

Invoice No. 9749

Shipping and
Invoice Date 6-4-73

Ship to
Logan County Highway Dept. 36
c/o Chester R. Kurtz, Co. Eng.
Bridgeton, Intrusions Lab
(Ph. No. 513-592-279)

Weight 38,064#

Shipped Via Truck
Wooster Motorways

PREPAID COLLECT

07-03

Shipment No. Complete

Terms Net 30 Days F.O.B. Wooster, Ohio

XXXX

Item Number	DESCRIPTION	Part or Sub Number	Quan. Ord'd This Invoice	Unit Price	Quan. Back Ord'd This Invoice	Quantity Shipped	Amount
1.	HOT DIP GALVANIZED U.S.F. STRUCTURAL PLATE BRIDGE FLOORING W/3" x 9" CORRUGATIONS Fabricate for erection by clamp method per USF Dwg. No. 32406-E	32406-1 (904631)	16 Pcs.				
2.	5 Ga. Plates 18" wide x 30' long	32406-2 (904845)	1 Pcs.				
3.	Skew skew cut (0.5) Plates Fabricated per Dwg. No. 32406-1 cut into (26 Pcs. (904952))	32406-3	2768 SF	3.50		2768 SF	\$ 10,518.40
4.	Stringer Clamp Assembl. Usp		1050 Units				
5.	Edge Detail Clamp Assemblies		610 Units				
6.	End Dow Assemblies		124 Units				
7.	NOTE: The above assemblies consist of the following hardware and quantities:						
4.	3/4" x 2' Galv. Plates	108387	734			734	
5.	3/4" x 2' Galv. Bolts	108399	1050			1050	
6.	3/4" Galv. Hex Nuts	108400	1784			1784	
7.	3/4" Galv. Flat Washers	108285	1660			1660	
8.	Galv. Clamp Angles (Attached)	1050	1050			1050	
9.	2 1/2 x 2 1/2 Galv. Tee (Attached)	124	124			124	
10.	7 Ga. Galv. End Dams 36" x 140" (Attached)	16	16			16	\$ 10,518.40
							Was Exempt- Political Unit

PROJECT: Bridge No. 125 over Middle Branch of Great Miami River, Belmont Twp.
USF to notify customer of any changes and can be made to receive and return materials

RECEIVED

Sp. P. K. 1/13/73

JUN 13 1973

Please Mail Remittance To:
P.O. BOX 6014C
CLEVELAND, OHIO 44101

Accident date = 11-22-72 @ 11:50 P.M.

Placed on Issue #1 in Nov. 1969 @ \$4,000.00 [Paint #4]

For elimination of wall cracks only.

Inspection reports: 1972 - 3-13-72 - Rate - 3 - Minor repairs
#41 back walls.
Painted 1967 7-12-71 - Rate - 1
1968 11-20-69 - Rate 2 Housekeeping
3-23-60 - Good - substructure
9-16-40 - ^{Paint} ~~Pl. base~~ Paint
12-12-35 Paint

Reconstructed - 1973

Total final cost. = \$64,688.92
W.O. 6403 -

R/W = 193.50
\$64,882.42

Seeding = 1,165.89
46,048.31

Was posted for overload. [Diagram] analysis. Post 60%
Abolished in Oct. 6, 1972 - No Signs 7.

Put on in field.

Was about to be posted.

BRIDGE NO: 39-6.86
 COUNTY LOGAN
 TYPE PRATT TRUSS
 DATE BUILT 1883

SPAN (c. to c.) 70'-0"
 ROADWAY 15'-8"
 TYPE FLOOR 2'x4" STRIP
 WEARING SURF. 3" BIT. MAT

ANALYSIS OF BRIDGES FOR POSTING

CALCULATED BY DATE
 H.K.K. 5/7/72
 CHECKED

135#

BEAM OR GIRDER (LONGITUDINAL) Span 11'-8" Spacing 2'-2" Dead Load per lin. ft. of Beam 140#

Size of Beam	Section Modulus	Percent Available	Section Modulus Available	Moment Resist. Foot Kips	D.L.M. 1000 # p.l.f.	D.L.M. per Beam	Mom. Res. Available L.L.+1	L.L.M. per Traffic Lane	Equivalent Number Beams	L.L.M. per Beam	Impact	L.L.M. plus Impact	Percent S-15-46 Loading	Percent Legal Load	Percent Total and Axle Loads Reduced
6IP12.25	7.3	80	5.84	10.22		2.4	7.82	70.0	4.15	16.87	20%	21.93	35.7	35.7	64
				6.81		2.4	4.41					21.93			2.0

FLOOR BEAMS Ctr. to Ctr. Supports 17'-2" Dead Load per lin. ft. of Beam 720.0 # 685#

Size or Section of Beam	Section Modulus	Percent Available	Section Modulus Available	Moment Resist. Foot Kips	D.L.M. 1000 # p.l.f.	D.L.M. per Beam	Mom. Res. Available L.L.+1	Reaction due to Traffic Lane Load	L.L.M. per Beam	Impact	L.L.M. plus Impact	Percent S-15-46 Loading	Percent Legal Load	Percent Total and Axle Loads Reduced
	86.25	80	69	120.75		17.25	103.0	24	70.0	30%	91.0	113.2	74.0	26.0
				80.5		17.25	63.25					113.2		8.4

TRUSSES Span (ctrs. end bearings) 70'-0" Panel Length 11'-8" Dead Load per lin. ft. (One Tr.) D.L. Pan. 6.85#

Member	Section AREA	Percent Section Available	Unit Stress Used	Total Stress Available	Mom. Res. or Total Stress	D.L. Stress or Mom.	Stress or Mom. for L.L.+1	Stress or L.L.M. for one Traf. Lane	Percent to One Truss	Stress or L.L.M. to One Truss	Impact	Stress or L.L.M. plus Impact	Percent S-15-46 Loading	Percent Legal Load	Percent Total and Axle Loads Reduced
L ₁ U ₁	8.26	80	15.47	102.2		30.3	71.9	65.1	71		25.2	58.1	124	95	
L ₁ L ₁	3.76	71	21.0	63.2		25.0	38.2	53.7	12.9 / 76.2		7	47.9	80	61	
U ₁ L ₁	1.5	"	21.0	25.2		6.85	18.35	32.35				28.9	63	49.5	57.54
U ₁ L ₂	3.0	"	21.0	50.4		18.2	32.2	51.8		89.2		46.2	70	54	
U ₁ U ₂	8.26	"	16.12	106.5		40.0	66.5	85.9				76.6	87	67	
L ₁ L ₂	3.76	"	21.0	63.2		25.0	38.2	53.7				47.9	80	61	
U ₂ U ₃	8.26	"	16.12	106.5		45	61.5	96.6				86.2	71	55	
U ₂ L ₂	1.5	"	21.0	25.2		6	19.2	35.4				31.6	61	47	
L ₂ L ₃	6.12	"	21.0	102.8		42.5	60.3	85.9				76.6	79	61	

BUILT UP GIRDER 4x4 2 1/2 x 3" x 5/16" 5/16 x 2 1/4" WEB PLATE

HS-2-44

HS-8.4-44

656#

Unit Stresses (Tension) For Posting

- Structures Built Since 1930 - 27000 # p.s.i.
- Structures Built 1900-1930 - 24000 # p.s.i.
- Structures Built Before 1900 - 21000 # p.s.i.

tan. θ _____ sec. θ _____

POST 60% REDUCTION

April 5, 1973

QUOTATIONS ON BRIDGE NO. 39-6.86

COMPANY

TOTAL PRICE

"Bob" Porter

Gregory Fabricating Corp.
United Steel Fabricators, Inc.
4301 Douglas Road
Toledo, Ohio 43613

\$27,110.79
Delivery 8-10 weeks

Sidney Machine Mfg. Co.
P.O. Box 516
Sidney, Ohio 45365

\$26,262.91
Delivery 8-10 weeks

Superior Steel Corporation
203 Wheeling Ave.
Cambridge, Ohio 43725

\$26,849.06
Delivery May 15, 1973

Carter Steel & Fabr. Co., Inc.
Carlisle Avenue
Bellefontaine, Ohio

\$26,648.00
Delivery 5/28/73

Champion Bridge Co.
P.O. Drawer 231
Wilmington, Ohio 45177

\$29,395.00
Delivery 60-90 days

The McGuckin Co.
P.O. Box 5553
Columbus, Ohio 43221

\$36,849.99
Delivery 8 weeks

RESOLUTION NO. 66-73

The County Commissioners met in regular session on this date of April 6, 1973 with the full Board present.

Mr. G. Parker Kennedy moved that the following Resolution be adopted:

WHEREAS bids were received in the County Engineer's Office April 5, 1973 for structural steel materials to be used on Bridge No. 39-6.86, and

WHEREAS the Sidney Machine Mfg. Company, Sidney, Ohio presented the lowest bid,

THEREFORE BE IT RESOLVED that the County Engineer be authorized to purchase said material from the Sidney Machine Mfg. Company, Sidney, Ohio at a cost of \$26,262.91 as per attached Bid Tabulation.

Mr. Warren W. Smith seconded the motion.

Roll Call resulted as follows:

<u>John R. Inskoop</u>	<u>Yes</u>
Mr. John R. Inskoop, Chairman	
<u>Warren W. Smith</u>	<u>Yes</u>
Mr. G. Parker Kennedy, V. Chr.	
<u>Warren W. Smith</u>	<u>Yes</u>
Mr. Warren W. Smith, Member	

I, Lois D. Krouse, Clerk hereby certify this to be a true copy of the proceedings as taken from the minutes of the meeting of the Logan County Commissioners on this date of April 6, 1973.

Lois D. Krouse
Lois D. Krouse, Clerk

RESOLUTION 99-73

The County Commissioners met in regular session on this date of June 1, 1973 with the full Board present.

Mr. G. Parker Kennedy moved that the following Resolution be adopted:

Re: Bridge 39-6.86
Contract for pile driving

WHEREAS after starting the above project the Logan County Engineer finds that the piling for the substructure has to be driven a distance of 90+ feet to bearing instead of the estimated 30 feet. This entails a considerable time delay in getting the project completed and for the public interest he is concerned about the extended time the bridge will be closed. The County Engineer received a quotation from Frantz Brothers, Sidney, Ohio to drive the piling on the south abutment and south pier while his crew finishes the north abutment and pier. The quotation is as follows:

Move equipment to job site and set up	=	\$1,500.00
Remove old abutment	=	300.00
Drive 1120+ feet of H piling @\$6.00/ft.	=	6,720.00
Total estimate		<u>\$8,520.00</u>

THEREFORE BE IT RESOLVED that the Logan County Commissioners declare an emergency due to the difficulties that have arisen and authorize the Logan County Engineer to hire said Frantz Brothers to perform the necessary work above mentioned.

Mr. Warren W. Smith seconded the motion.

Roll Call resulted as follows:

<u>John R. Inskeep</u>	<u>Yes</u>
Mr. John R. Inskeep, Chairman	
<u>Warren W. Smith</u>	<u>Yes</u>
Mr. G. Parker Kennedy, V. Chm.	
Mr. Warren W. Smith, Member	

I, Anna C. Furrow, Assistant Clerk hereby certify this to be a true copy of the proceedings as taken from the minutes of the meeting of the Logan County Commissioners on this date of June 1, 1973.

Anna C. Furrow
Anna C. Furrow, Assistant Clerk

K-51
24-1

ACQUISITION

RIGHT-OF-WAY

BRIDGE 39 - 6.86

NAME	AREA TO BE ACQUIRED	AMOUNT
Mr. Bent Denman c/o H. J. Laughlin R. R. #2, Belle Center, Ohio 43310	0.095 acres	\$47.50 94,461
Mr. Donald W. Kerns 3600 North State Route 48 Covington, Ohio 45318	0.137 acres	68.50 94,442
Mr. Willis P. Bates Belle Center, Ohio 43310	0.155 acres	77.50 94,463
TOTAL	0.387 acres	\$193.50

RECEIVED

FEB 25 1974

COPLAN COUNTY
ENGINEER

April 17, 1973

The Honorable Douglas MacGillivray
Prosecuting Attorney of Logan County
128 North Main Street
Bellefontaine, Ohio 43311

Attention: Mr. Mark S. O'Connor
Assistant Prosecutor


Re: Bridge No. 39-6.86

Dear Mark:

In reply to your letter of March 15, 1973 I am submitting the enclosed estimate of costs to repair Bridge No. 39-6.86 to its condition prior to the accident of November 22, 1972.

In preparing this estimate of costs we have assumed that approximately one half of the existing bridge could have been salvaged, therefore the estimate contains only the costs necessary to fabricate and erect one truss, eight lines of stringers, one line of guard rail and complete wood floor.

Respectfully submitted,


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

CRK/DLD/ed

COPY

BRIDGE 39-6.86

STATION	DIST	LT SEEDING	RT LENGTH	AVERAGE	SAVING
272+40	60	11	11	11	75
273+00	100	22	20	21	233
274+00	100	22	26	24	267
275+00	100	24	25	24.5	272
276+00	100	303 BRIDGE		303	
277+00	100	26	25	25.5	283
278+00	100	26	22	24	267
279+00	100	16	14	15	167
280+00	100	12	15	13.5	150
		1664	+	1636	2015
				403057	
		TOTAL		3300 S.M.	

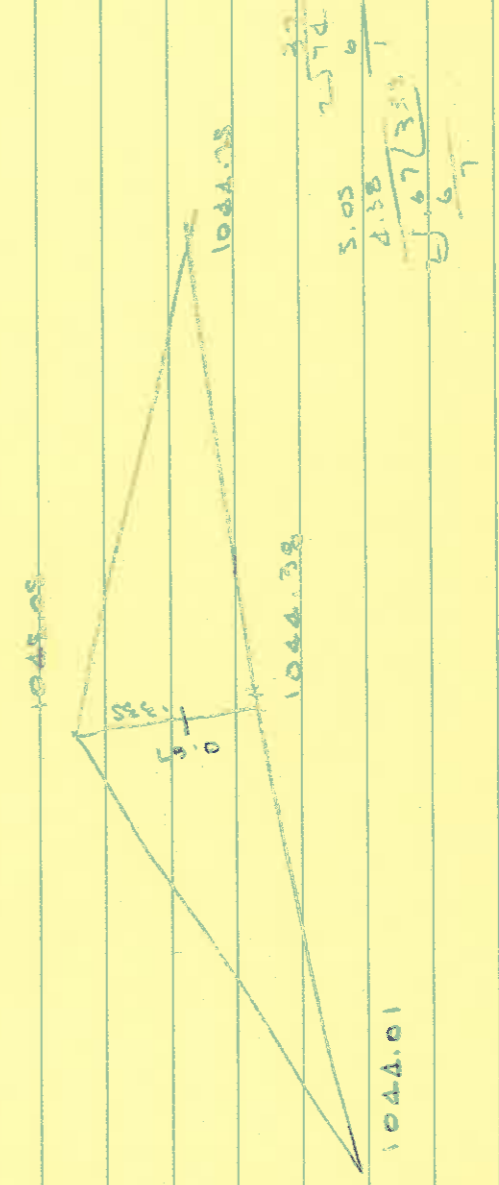
8100
 974200
 20
 260
 150
 20
 2140

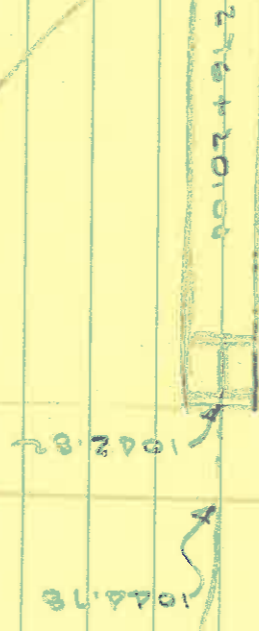
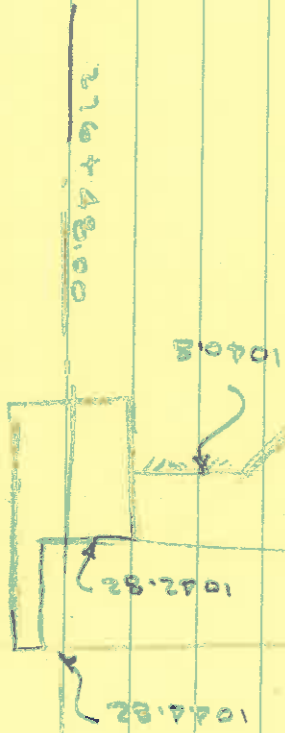
Re 39-6.200

12/20/12

Sta Elev U.C. Offset Elev

73+00	1041.93		
74+00	1042.97		
275+00 %	1044.01	0 =	1044.01
+25.0	1044.27	$\frac{1}{4} = 0.25$	1044.25
+30.0	1044.53	$\frac{3}{4} = 0.75$	1044.45
+57.00	1044.60	$\frac{57}{100}$	1044.49
+85.00	1044.89	$\frac{85}{100}$	1044.65
276+00 X	1045.05	$\frac{1}{4} = 0.25$	1044.71
+20.00	1044.99	$\frac{20}{100}$	1044.78
+48.00	1044.91	$\frac{48}{100}$	1044.82
+78.00	1044.82	$\frac{78}{100}$	1044.80
277+00	1044.75	0	1044.75
278+00 %	1044.45		
279+00 0	1044.15		
280+00 1	1043.85		





FL 1030.17



276 + 23.00
276 + 23.00
276 + 23.00
276 + 23.00
276 + 23.00



275 + 57.00
275 + 57.00
275 + 57.00
275 + 57.00
275 + 57.00

Item	Shape	No. PCS	Length	Weight
1	18 WF 50	8	92'-3"	36,900
2	10x4 B @ 1 1/2"	56	3'-11 3/8"	2,557
3	14 WF 38	30	0'-10"	1,200
4	6x6 WF 25	30	3'-10"	3,189 GALVANIZED RAIL POST
5	1'-3 x 1'-3" x 3/8"	16		382
	2 1/2 x 3/8 x 4 1/2"	32	1'-10"	187
	6 1/2 x 3/8 PL	8	1'-10"	121
	6x6 x 1/2 L	2	19'-1 1/2"	737
	6x6 x 1/2 L	2	18'-9"	737
	3/4" Bolt	120	2"	70
58.4 x 1.2	3/4" Bolt	120	2 3/4"	81
67.8 x 1.6	1" Bolt	96	2 3/4"	130
135 x .96	1" Bolt	128	2 1/2"	166
130 x 1.28				

3x9 St. Pl. Floor

46,457#

1200# GR. Bracket $385 \times \frac{17}{12} + (3.85 \times 2.18) = 40.0 \frac{\#}{\text{Pce}}$
31.7 8.3

3189# GR. Post $3,83 \times 25 + (11.9 \times .88) = 106.3 \frac{\#}{\text{post}}$
95.8 10.5

By D.L.D

SUBSTRUCTURE

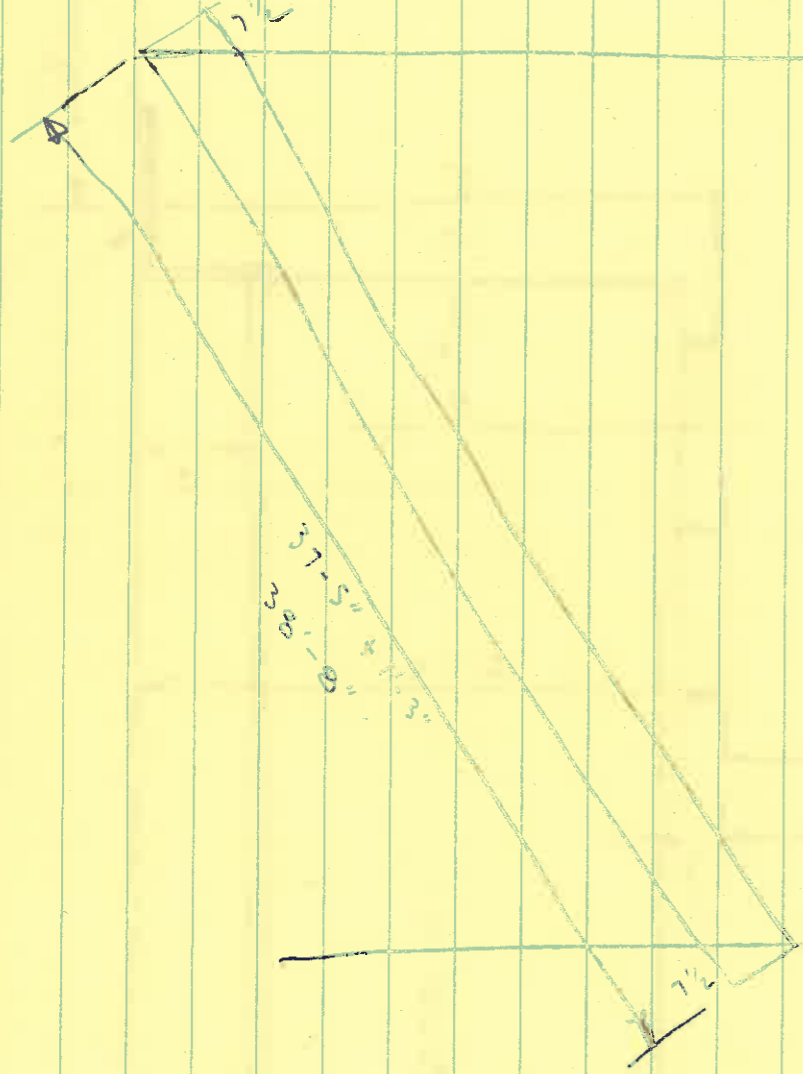
For _____ Date _____

ITEM	APPROXIMATE QUANTITIES	UNIT	DESCRIPTION	UNIT COST	TOTAL COST	P.O	STOCK	ACC'T CHECK	REMARKS
✓	44520	lbs	12 BPS3 @ 30' - 28 PCS x 30 = 84 @ L.F.	12	5342 40				
✓	3524	lbs	PILING CAP 12 BPS3 2 PCS @ 37'-0"	20	480 00				
✓	1425	lb	8" x 2 1/4" x 1/2" x 38'-0" (ABUTMENT BEARING) 2 PCS REQ'D	12	171 00				
✓	151	lb.	2x2x 1/2 x 0'-8" L (BEARING) 48 PCS REQ'D	12	18 12				
	24	Pcs.	1/2" NEOPRENE PADS (10" x 6") 3 PER SET	3 00	72 00				
	55	cu. yd.	CLASS C CONCRETE	21 00	1155 00				
	2738	lb.	REINFORCING STEEL	10	273 80				
	84	lin. ft.	2" ALUMINUM PIPE 14 PCS @ 6'-0" PILE ENGAGEMENT	5 75	483 00				
	164	cu. yd.	ROCK CHANNEL PROT TYPE A	5 00	820 00				
			TOTAL SUBSTRUCTURE		8815 32				

Re Bar List
 Be 39 - 6.86

SIZE	LENGHT	No. PCS.	TOTAL LENGTH	TOTAL WEIGHT	SHAPE
A	7'-8"	96	736'-3"	768#	BENT
B	45'-6"	18	819'-0"	854#	STRAIGHT
B	45'-6"	8	364'-0"	366#	STRAIGHT
C	6'-0"	56	336'-0"	350#	BENT
D	4'-0"	96	384'-0"	400#	STRAIGHT
TOTAL WEIGHT =				2738#	

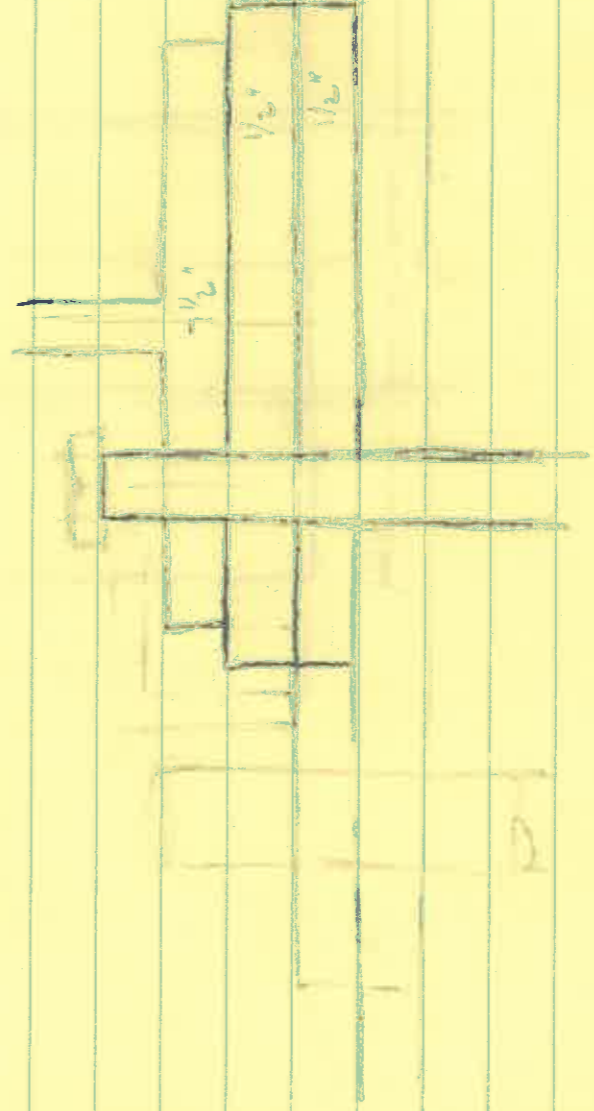
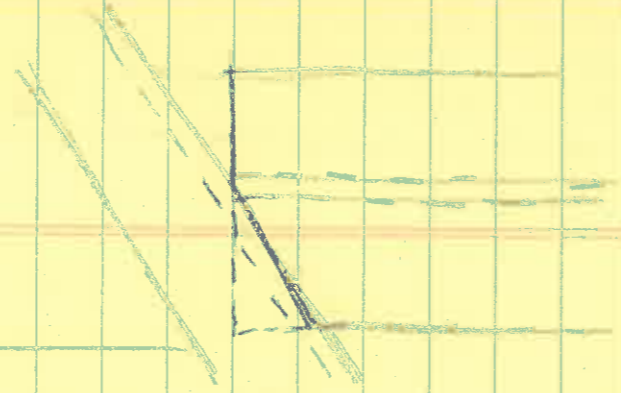
5/8" = 1.043#/FT
 3/4" = 1.502#/FT



37'-5" + 1'-3"
38'-8"

-20°
+100°

63' x .00000045 x 120°



7/2"

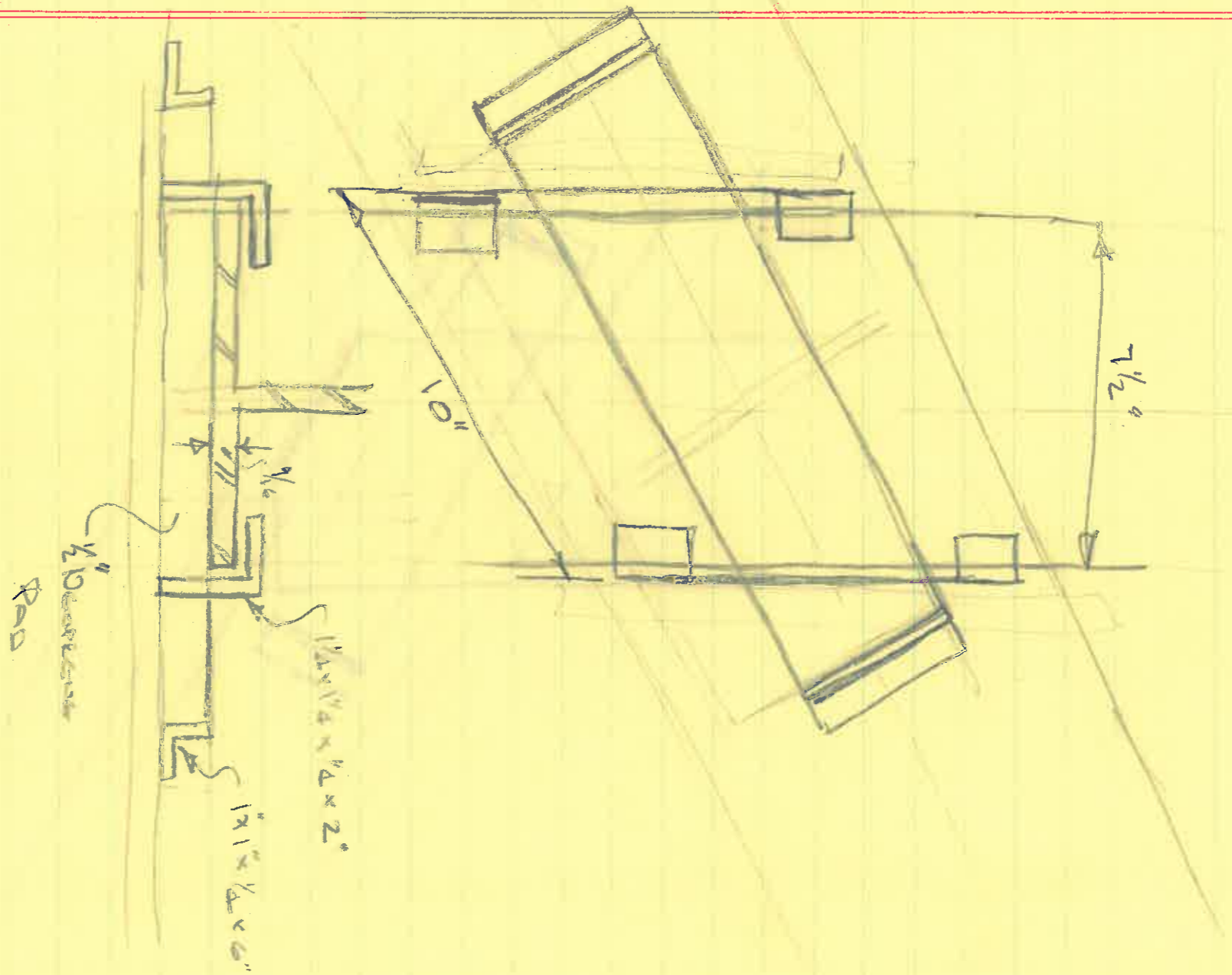
1/2"

1/2"

De Bae List
Ba 39 - 6.86

	Size	Length	No. Pcs.	Total Length	Total Weight	Shape
A	5/8	7'-8"	96	736'-3"	768#	Bent
B	5/8	45'-6"	18	819'-0"	854#	STRAIGHT
B	3/4	45'-6"	8	364'-0"	366#	
C	5/8	6'-0"	56	336'-0"	350#	Bent
D	5/8	4'-0"	96	384'-0"	400#	STRAIGHT
				TOTAL LENGTH:	2738#	

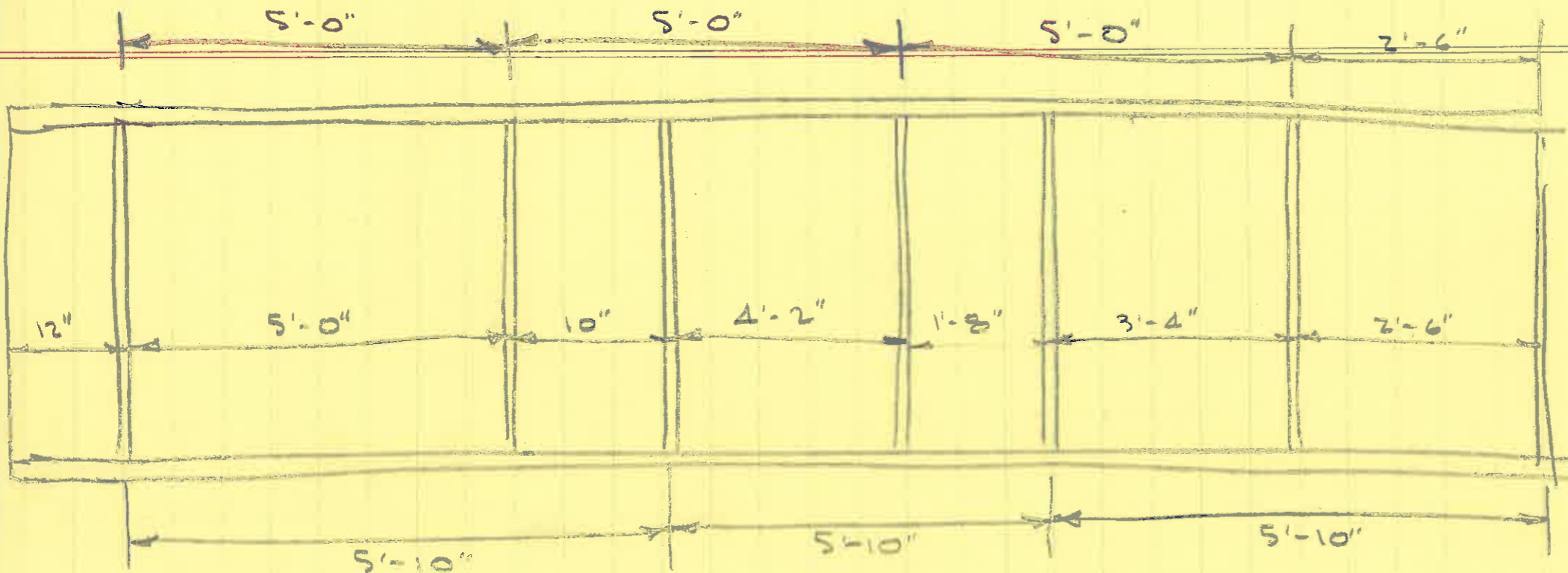
5/8# = 1.043#/FT
3/4# = 1.502#/FT



5-18
 5-18
 2-12
 1-2
 2-2

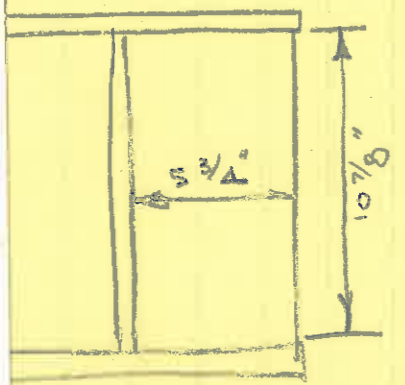
15-30
 17-6
 10-6
 2-6

11-8
 7-6
 2-2



See 26⁴⁵ = 1.24804 x 2' = 2.4961
 x 4' = 4.9922

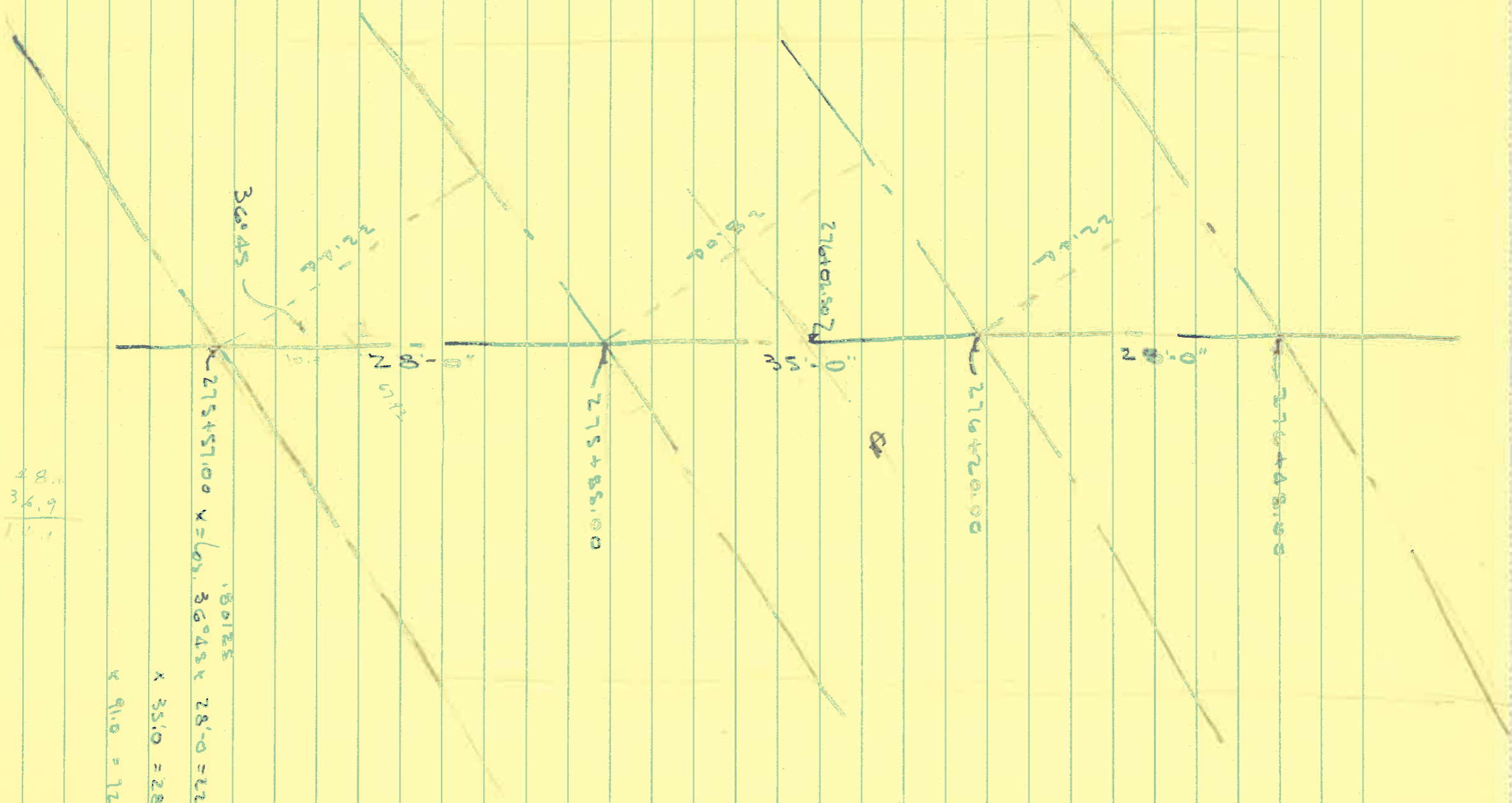
- 1. Rail cross 7' bridge, but 6' long with rail.
- 2. Chy's off of above abutment before the bridge.
- 3. Expansion slabs above no fatigue pts.



26 Web STIFFENERS REQD.

PER CAP
 10 7/8 x 5 3/4 x 1/2 plate
 18.5 x .48 = 8.8 #/FEET
 8.8 x 52 = 462 #

54' x 53 = $\frac{2862}{3524 \#}$ Total CAPS



$$\begin{array}{r} 48.1 \\ 36.9 \\ \hline 14.2 \end{array}$$

$\times 35.0 = 28.04$
 $\times 91.0 = 12.91$
 $\times 80.25$
 $\times 28.0 = 22.44$
 $\times 36.45$

March 9, 1972

Gentlemen:

We shall receive quotations, at the office of the Logan County Engineer, Tidewater Road, Bellefontaine, Ohio until 10:00 A.M. Eastern Standard Time March 30, 1973 on the attached forms only for the purpose of supplying structural steel for Logan County Bridge No. 39-6.86 in accordance with the Logan County Engineers plans and specifications.

Alternate bids will not be accepted.

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

Very truly yours

L.R.K. R6

Local Eng.

Att: Quotation Sheet

Bridge Plan

Roadway

Be 39-6.86

2/8/73 D.L.O.

			①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
	STA		END AREA CUT	END AREA FILL	SUM CUT	SUM FILL	DIST.	CUM. VOL CUT	CUM. VOL FILL			
1												1
2												2
3												3
4		270+00	0	0		20	100		37			4
5												5
6		271+00		20								6
7						46	"		85			7
8		272+00		26								8
9						86	"		159			9
10		273+00		60								10
11						138	"		256			11
12		274+00		78								12
13						188	"		348			13
14		275+00		110								14
15						220	55.25'		225			15
16		275+55.25										16
17												17
18		276+49.25										18
19						105	50.75		98			19
20		277+00		52								20
21						105	100		194			21
22		278+00		53								22
23						73	"		135			23
24		279+00		20								24
25						20	"		37			25
26		280+00	0	0								26
27												27
28												28
29												29
30												30
31												31
32												32
									1574			
									236			
									1810	CUM. VOL		

TOTAL

+ 15%

1574

236

1810 CUM. VOL

100'

Be. 39-6.86

12/19/72

PROPOSED STRUCTURE

SKREW = 36° 45' RT. FWD.

ROADWAY = 30'

SPAN = 28'-35'-28'

ABUTMENT = CONC. CAPPED STEEL PILE

PILES = STEEL PILE 12-BP 53

FLOOR = 5 GA. ST. PL. FLOORING

BEAM = 18 WF 50 x 92'-3" 0%

BEAM SPACING = 4'-0" 1/2

DRAINAGE AREA
B2 39 - 6.866

12/13/72
D.L.D.

RUNNELLVILLE QUAD = 5463 AC.

SILVER CREEK QUAD = 6657 AC.

ROUNDHEAD QUAD = 15 AC.

HUNTSVILLE QUAD = 6 AC.

TOTAL WATERSHED = 12141 AC.

12141 / 640 = 19.0 24 miles

WATERWAY ROAD

S.H.D. DESIGN SPEEDS = $.945 \times 50\%$ = 472 1/2 SQ. FT.

100

EXISTING WATERWAY

54 x 10' = 540' SQ. FT.

BR 39-6.86

12/19/72

SPAN 28'-0" - 35'-0" - 28'-0" CONTINUOUS

FLOORING - 3x9 ST.P.L. S.G. @ 46.94 #/FT

STRINGER SPACING 4'-0" C/L

BEAM - ASSUME 18 WFSO $S = 89.0 \text{ in}^3$

DEAD LOAD

BEAM 18 WFSO = 50.0 lb/FT

FLOOR = 46.94 x 4 = 187.8 lb/FT

DIAPHRAGMS ETC = 22.2 lb/FT

FUTURES WEARING SURF @ 30% = 120.0 lb/FT

$\Sigma DL = 380.0 \text{ lb/FT}$

$QR = 4/4 = 1.0$

$N = 35/28 = 1.25$

MAX. POSITIVE MOMENTS

FOR 28' SPAN $M_D = 0.689 \times 38 \times 28^2 = 20.5$

$M_L = 206.4 \times 0.50 = 103.2$

$M_1 = 103.2 \times 0.30 = 31.0$

$\Sigma M = 154.7$

$S = \frac{154.7 \times 12}{22} = 84.4 \text{ in}^3$

18 WFSO = 89.0 in³ OK

MAX. POSITIVE MOMENTS

FOR 35' SPAN $M_D = 0.0670 \times 0.38 \times 28^2 = 20.0$

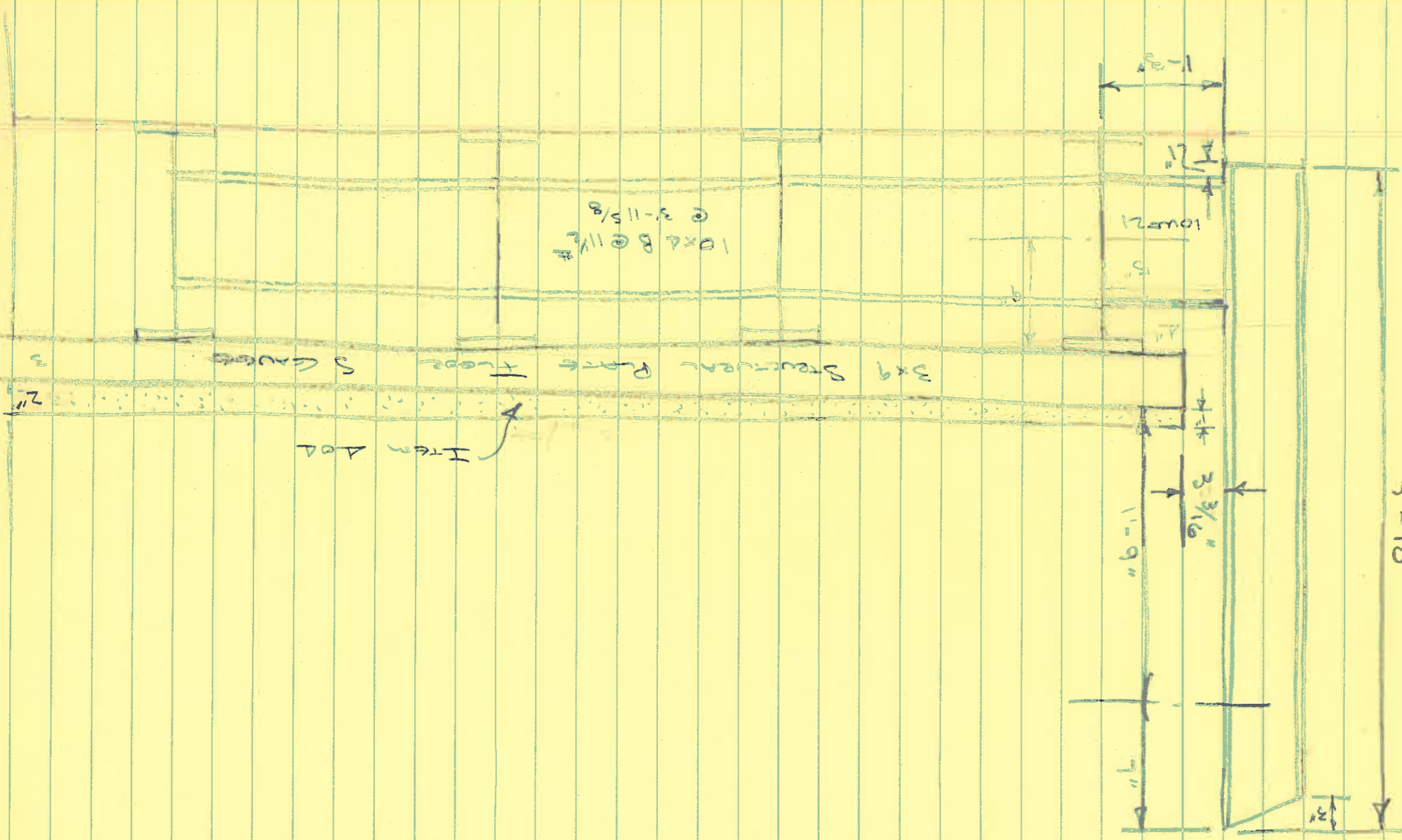
$M_L = 216.5 \times 0.50 = 108.2$

$M_1 = 108.2 \times 0.30 = 32.5$

$\Sigma M = 160.7$

$S = \frac{160.7 \times 12}{22} = 87.7 \text{ in}^3$ OK

22



Floor = 92.25' x 30 = 2767.5 sq ft

Item Add

3x9 Structural Plate

10x4 B @ 11 1/2"
@ 3'-11 5/8"

3'-10"

1'-9"

3 3/16"

1'-9"

5"

10W21

2"

3



REGISTERED
CIVIL AND
PHOTOGRAMMETRIC
ENGINEER

HENDERSON AERIAL SURVEYS, INC.

NORMAN L. HENDERSON 5125 WEST BROAD STREET / COLUMBUS, OHIO 43228 / PHONE 614/878-3925

December 12, 1972

Mr. Chester R. Kurtz, P.E.
Logan County Engineer
P.O. Box 427
Bellefontaine, Ohio 43311

Re: Job 72-187

Dear Mr. Kurtz:

Please find enclosed your blue line copy of a portion of one of the county photographs showing the location of ground signals for bridge site #39-6.86.

We propose to compile a 1"=20' topographic map, ink on Mylar material, showing a one (1) foot contour interval of an area 2000' X 700', or approximately 33 acres.

Aerial Photography (If flown with another project).....	\$120.00
Photo Lab, Job and Manuscript Preparation.....	142.00
Mapping.....	458.00
	<hr/>
TOTAL	\$720.00

Please notify us as soon as signals are in place.

Sincerely,
HENDERSON AERIAL SURVEYS, INC.

Larry A. Mumford

Larry A. Mumford,
Sales Representative

LAM/slp
Enc: 2

LOGAN COUNTY
ENGINEER

DEC 13 1972

RECEIVED

CANCELLED 12/14/72
BY PHONE
D.L.D.

39. 685

Painting done
about 1960

No. 5243

	1	2	3	4	5	6	7	8	9	10	11	12	13
18	30.60	1.70	Cherinton	9	9								
2			304	9	9								
27	40.50	1.50	Brentlinger	9	9	4 1/2	4 1/2						
29	25.10	1.00	Hicks	9	9	4 1/2	4 1/2						
35	25.00	1.00	D. Roberts	9	9	4 1/2	4 1/2						
6	11.20	2.00	Jennings 316	9	9	3 1/2	4 1/2						
7			Travis & wife			1							
9	3.95	1.50	F. Anderson		9								
11	6.00	1.50	Allen										
12			306			4							
13	11.20												
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24			Cement	3 bags	1 bag	12 bags							
25			4.21 sand	300 lbs.	100 lbs.	56							
26													
27													
28													
29													
30													
31													
32													

Inch. time \$316. 3 hrs @ 31¢ 90
 + 33¢ 2 " @ 30¢ 60
 Rump Truck & driver 4 hrs @ 50¢ 200
 Cement mixer & Op. 1 hr @ 30¢ 30
 360
 36.00

Brick Lumber 17 1/2 hrs @ 20¢ 350
 Labor 106 " @ 1.70 180.20 215.20

Cement 16 bags @ 1.25 20.00
 Mortar sand 5.8 tons @ 1.50 8.72 28.72
 Total 379.92

Labor direct \$204.25

Painting done about 1960

April 5, 1973

QUOTATIONS ON BRIDGE NO. 39-6.86

COMPANY

TOTAL PRICE

"Bob" Porter

Gregory Fabricating Corp.
United Steel Fabricators, Inc.
4301 Douglas Road
Toledo, Ohio 43613

\$27,110.79
Delivery 8-10 weeks

Sidney Machine Mfg. Co.

P.O.Box 516
Sidney, Ohio 45365

\$26,262.91
Delivery 8-10 weeks

Superior Steel Corporation

203 Wheeling Ave.
Cambridge, Ohio 43725

\$26,849.06
Delivery May 15, 1973

Carter Steel & Fabr. Co., Inc.

Carlisle Avenue
Bellefontaine, Ohio

\$26,648.00
Delivery 5/28/73

Champion Bridge Co.

P.O.Drawer 231
Wilmington, Ohio 45177

\$29,395.00
Delivery 60-90 days

The McGuckin Co.

P.O.Box 5553
Columbus, Ohio 43221

\$36,849.99
Delivery 8 weeks

April 5, _____, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-6.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

<u>MATERIAL</u>					
ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
1.	Structural Steel	96,077	lbs.	\$.1625	\$15,612.51
2.	½" Neoprene Pads	24	pc's.	\$5.50	132.00
3.	3"x9" Structural Plate Flooring 5 Ga.	2768	sq. ft.	\$3.80	10,518.40
TOTAL					\$ 26,262.91

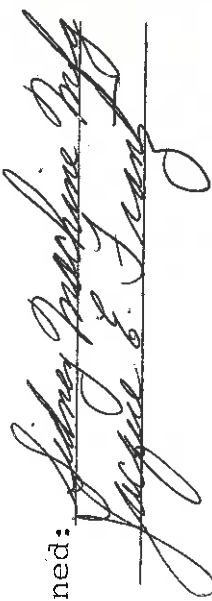
All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of Twenty Six Thousand Two Hundred Sixty Two Dollars and (\$ 26,262.91).
Ninety One Cents.

Delivery date: 8 to 10 weeks

Signed:

BY:


Sidney Parkhouse, Jr.
Logan County Engineer

SPECIFICATIONS

3 x 9 CORRUGATED STEEL BRIDGE FLOOR 5 GA. Galvanized
For LOGAN COUNTY BRIDGE NO. 39-6.86 over Middle Branch of The Great Miami River
Richland Twp., Logan County, Ohio

The flooring shall be of the type manufactured by United Steel Fabricators, Div. or approved equivalent, fabricated for erection by Clamp Method method. per Dwg. D12-04 (1), D12-04 (4) (New "S" Clamp) (Skew Cuts - D12-04(1) A)

The floor steel shall meet the requirements of ASTM A570 grade D and shall be galvanized after fabrication per ASTM A123.

The plates, before forming, shall not be less than 26 3/4 inches wide. The formed plates shall have trapezoidal corrugations 3 inches deep on 9 inch pitch. The formed plates shall have a gross width of 19 3/4 inches and a net laying width of 18 inches. The overlap edge of each plate shall be offset when plates are fabricated for erection by the weld method.

Plates shall have a thickness of 5 gage subject to mill tolerances and have a section modulus of 0.251 inches cubed per inch.

Plates over 12 feet in length may be spliced by shop welding two or more plates end to end with continuous shop welds on both sides of the plates. When welds fall on stringers, the portion in contact with the stringers shall be ground smooth.

Full round holes for fastening the plates to the stringers shall be punched in the corrugation valleys on 9 inch centers parrallel with the stringers. The holes at the center of the plate and on the underlap edge shall be 15/16 inches and on the overlap edge shall be 1 1/8 inches.

Accessories and Fasteners consisting of Bolt-On End Dams, Stringer Clamps and Edge Joint Clamps as shown on Dwg. D12-04(4) shall be of commercial grade, zinc galvanized or zinc plated. Double stringer clamps will be required to fasten the plates at the ends of each span.

Shop drawings and a floor plate placing plan with itemized bill of materials shall be furnished by the supplier and submitted to the Engineer for approval prior to fabrication.

Payment shall be made on a square foot basis for flooring actually placed and accepted by the Engineer.

March 30, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-6.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

<u>MATERIAL</u>			
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE AMOUNT
1.	Structural Steel	96,077	lbs. .18 <u>\$17,293.86</u>
2.	½" Neoprene Pads	24	pc's. 6.00 <u>144.00</u>
3.	3"x9" Structural Plate Flooring 5 Ga.	2768	sq.ft. 3.40 <u>9,411.20</u>
TOTAL			<u>\$26,849.06</u>

All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of Twenty-six thousand eight hundred forty-nine and 06/100 cents (\$ 26,849.06).

Delivery date: May 15, 1973

Signed: SUPERIOR STEEL CORPORATION

By: Herman Rogovin
Herman Rogovin

NOTICE TO BIDDERS

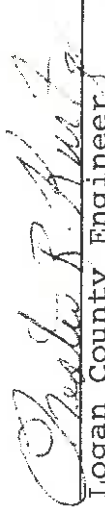
Sealed bids will be received at the office of the Logan County Engineer, County Highway No. 13, Bellefontaine, Ohio until 10:00 A.M. Eastern Standard Time, April 5, 1973 for the purpose of supplying structural steel for Logan County Bridge No. 39-6.86 in accordance with the Logan County Engineer's plans and specifications.

Bids shall be submitted on Logan County Engineer's forms only.

Alternate bids will not be accepted.

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

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



Logan County Engineer
Chester R. Kurtz

Advertise: March 22, 29, 1973

April 5, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-5.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

ITEM	DESCRIPTION	QUANTITY	MATERIAL		AMOUNT
			UNIT	PRICE	
1.	Structural Steel	96,077	lbs.	\$.13	\$12,490.00
2.	½" Neoprene Pads	24	pc's.	\$7.50	\$ 180.00
3.	3"x9" Structural Plate Flooring 5 Ga.	2768	sq. ft.	\$5.05	\$13,978.00
TOTAL					\$ 26,648.00

All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of Twenty Six Thousand Six Hundred Forty-Eight (\$ 26,648.00).

Delivery date: 5/28/73

Signed: Carver Steel and Fabricating Co
BY: Marvin Johnston

* Estimate Based on Fabrication in Accordance with AISC Standard Specifications
No painting included.

April 3, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellevfontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-6.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

<u>MATERIAL</u>				
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE AMOUNT
1.	Structural Steel	96,077	lbs.	<u>16.5545</u> 15,905.00
2.	½" Neoprene Pads	24	pc's.	<u>5.00</u> 120.00
3.	3"x9" Structural Plate Flooring 5 Ga.	2768	sq.ft.	<u>4.8302</u> 13,370.00
TOTAL				<u>\$ 29,395.00</u>

All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of Twenty nine thousand three hundred ninety five dollars (\$ 29,395.00).

Delivery date: 60 - 90 days from receipt of order

Signed: Champion Bridge Company

BY: 

4 April, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-6.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

MATERIAL

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Structural Steel	96,077	lbs.	<u>\$0.27</u>	<u>\$25,910.79</u>
2.	½" Neoprene Pads	24	pc's.	<u>4.75</u>	<u>114.00</u>
3.	3"x9" Structural Plate Flooring 5 Ga.	2768	sq.ft.	<u>3.90</u>	<u>10,795.20</u>

TOTAL \$ 36,849.99

All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of _____ (\$ _____).

Delivery date: Approx Eight weeks

Signed: _____

BY: _____

W. G. ...
W. G. ...
W. G. ...

April 2, 1973

The Honorable Board of
Logan County Commissioners
Court House
Bellefontaine, Ohio 43311

Gentlemen:

We propose to furnish the Board of County Commissioners of Logan County, Ohio, freight prepaid, and delivered to the bridge site, the following material, fabricated to the Logan County Engineer's plans and specifications.

PROJECT:

Logan County Bridge No. 39-6.86
Located 0.2 mile south of the village of Belle Center
on County Highway No. 39.

MATERIAL

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1.	Structural Steel	96,077	lbs.	\$17.12 cwt	\$16,448.39
2.	½" Neoprene Pads	24	pc's	\$6.00 ea.	\$144.00
3.	GREGORY FABRICATING CORP. Canton, O. 3"x9" Structural Plate Flooring 5 Ga. Galv.	2768	sq. ft.	\$3.80 SF.	\$10,518.40
3	VENDOR: UNITED STEEL FABRICATORS, Div. Orrville, O.				


TOTAL \$ 27,110.79

Firm Quotations from VENDORS Attached W/Spec. Dwg.

All structural steel to be domestic ASTM A-36.

Total amount of quotation based on the quantities given above and the unit prices specified by the bidder amounts to the sum of TWENTY-SEVEN THOUSAND ONE HUNDRED TEN & 79/100 DOLLARS (\$ 27,110.79).

Delivery date: 8 to 10 weeks
Item 1 & 2 VENDOR: GREGORY FABRICATING CORP. Canton, O.
Item 3 VENDOR: UNITED STEEL FABRICATORS, Div. Orrville, O.

ROBERT L. "BOB" PORTER, Inc
Mfg. Representatives
4301 Douglas Rd., Toledo, Ohio 43613
Signed: 

By: Robert L. Porter, Pres.

ROBERT L. "BOB" PORTER, Inc.

Mfg. Representatives--Hwy. Products

4301 DOUGLAS ROAD

TOLEDO, OHIO 43613

Toledo, Ohio
Apr 2, 1973

"Dependable Highway
Products"

•

United Steel Fabricators
Wooster, Ohio

Structural - Plate
Bridge Flooring
Guard Rails
Sheet Piling
Bridge Deck Forms
Sec'l Plate Culverts

•

Gregory Bridge Co.
Canton, O.

"All Galvanized
Bridges" For
Bolted Erection

•

Katy Steel Co.
Toledo, O.

Structural - Steel
Reinforcing Bars
Steel Piling

•

The Garland Co.
Cleveland, O.

Highway Paints

LOGAN COUNTY BOARD OF COMMISSIONERS

Att: Mr. Chester R. Kurtz, P. E.

Logan County Engineer

P. O. Box 427

Bellefontain, Ohio 43311

Re: Bridge No. 39-6.86

Bids Due April 5, 1973, 10:00 AM EST

Gentlemen:

As Mfg. Representatives, we are authorized by GREGORY FABRICATING CORP., of Canton, Ohio, and UNITED STEEL FABRICATORS Div., Orrville, O. whom we represent to attach firm Proposals for delivery of fabricated Steel and accessories and USF Structural Plate Bridge Flooring complete with hardware, clamps, end dams, per Logan County Engineer's Plan & Specifications.

If awarded GREGORY FABRICATING CORP. and UNITED STEEL FABRICATORS, Inc become Vendors for fabrication and delivery, and Purchase Orders should go direct to them.

Thanking you for the opportunity of quoting and all past favors, we remain,

Yours very truly,


ROBERT L. "BOB" PORTER, Inc
Robert L. Porter, Pres.

RLP:lp
Encls.

GREGORY
FABRICATING CORPORATION
2620 Gambrinus Ave. S. W. Canton, Ohio 44706
Phone: 477-8521

QUOTATION

73-112
Revised 4-2-73 per RLP
Date: March 30, 1973
Subject: Br. #39-6.86

Location: Logan County, Ohio

TO:

LOGAN COUNTY BOARD OF COMMISSIONERS
Court House
Bellefontaine, Ohio 43311
Att: Mr. Chester R. Kurtz, P.E.
Logan County Engineer

Architect Engineer: Logan County Engineer
Bids Due: April 5, 1973, 10:00 AM EST

The GREGORY FABRICATING CORPORATION proposes to furnish the following, subject to acceptance, within 30 days.

ITEM We will detail, furnish, fabricate and deliver to job site for unloading and erection by others 96,077# of structural steel per plans. We include all material listed in superstructure and substructures material list.

- 1. Revised per RLP, 4-2-73, 96,077# @ \$17.12/cwt - - - \$ 16,448.39
96,077# @ \$17.65/cwt - - - - - \$ 16,958.00
- 2. 24 Neoprene Pads @ \$6.00/each - - \$ 144.00



Tax Exempt - Political Unit

Applicable Sales, Use or similar Taxes, unless specifically included, and increases in Transportation charges, will be added to the above price.
Terms: BUYER AGREES TO MAKE PAYMENT FOR EACH SHIPMENT OF MATERIALS WITHIN THIRTY (30) DAYS FROM DATE OF SHIPMENT. SEE OTHER SIDE FOR ADDITIONAL TERMS AND CONDITIONS.

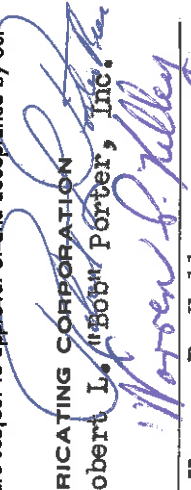
No discount allowed from above prices which are F.O.B. F/A to job site

Shipment: We will endeavor to begin shipment of materials within 8 - 10 weeks after our Home Office approval and acceptance of this proposal and receipt at Home Office of all approved drawings, details, and other information necessary for performance, which buyer agrees to furnish promptly. All contracts, amendments and proposals are subject to approval-of-and acceptance by our Home Office at Canton, Ohio.

Accepted _____
By _____
At _____ Date _____

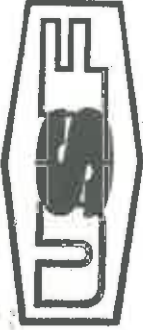
GREGORY FABRICATING CORPORATION

Revised Per Robert L. Porter, Inc.
Signature of
Representative
making proposal

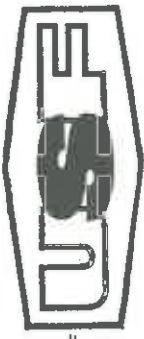


Warren P. Kelley
Chief Engineer

No. 12073



QUOTATION



UNITED STEEL FABRICATORS, DIV.

ALLEN ELECTRIC & EQUIPMENT COMPANY

Wesport, Ohio 44691

Orrville, 44667

Telephone: Area Code 216
368-3008

682-8010

TO LOGAN COUNTY BOARD OF COMMISSIONERS Date March 30, 1973 19

ADDRESS Court House, Bellefontaine, Ohio 43311 Your Inquiry No. _____

ATTENTION Mr. Chester R. Kurtz, P.E. Logan County Engineer Your Inquiry Date _____

PROJECT Logan County Bridge No. 39-6.86 over Middle Bids Due April 5, 1973, 10:00 AM EST

Branch of The Great Miami River - Richland Twp.

This QUOTATION is firm for 30 days from above date and is for U. S. F. PRODUCTS of the specific designs and materials described below.

USF Structural Plate Bridge Flooring with 3 x 9 Corrugations
fabricated for erection by clamp-down method:

ITEM

1. 2768 SF 5 Ga. Galv. Bridge Flooring
(61 Pls - 18" x 30' & 1 Pl - 9" x 30')
2. 15 Plates Shop Skew Cut
3. 1050 Units Stringer Clamp Assemblies
4. 610 Units Edge-Jct Clamp Assemblies
5. 124 Units Bolt-On End Dam Assemblies

Price Per Square Foot ----- @ \$3.80 ----- \$ 10,518.40

Tax Exempt - Political Unit

Specifications: USF Standard Design & Logan County Project Requirements - Per Spec. & Dwg Attached

Shipment 8-10 Wks. after receipt of order

PREPAID & CHARGE
 PREPAID via truck
 COLLECT

F.O.B. PLANT, WOOSTER, OHIO

TERMS: Net 30 Days

This is a quotation only. The conditions printed on the reverse side are specifically made a part of this proposal. When signed by the addressee, it shall constitute an offer to purchase in the exact terms of the proposal, including the conditions. When received and approved by our home office, it shall constitute a firm contract.

ACCEPTED _____

Date

Firm Name

BY _____

Title

UNITED STEEL FABRICATORS, DIV.

BY J. P. Slater - Product Manager

Highway Dept.

SPECIFICATIONS

3 x 9 CORRUGATED STEEL BRIDGE FLOOR 5 GA. Galvanized
For LOGAN COUNTY BRIDGE NO. 39-6.86 over Middle Branch of The Great Miami River -

Richland Twp., Logan County, Ohio

The flooring shall be of the type manufactured by United Steel Fabricators, Div. or approved equivalent, fabricated for erection by Clamp method. per Dwg. D12-04 (1); D12-04 (4) (New "S" Clamp) (Skew Cuts - D12-04 (1) A)

The floor steel shall meet the requirements of ASTM A570 grade D and shall be galvanized after fabrication per ASTM A123.

The plates, before forming, shall not be less than 26 3/4 inches wide. The formed plates shall have trapezoidal corrugations 3 inches deep on 9 inch pitch. The formed plates shall have a gross width of 19 3/4 inches and a net laying width of 18 inches. The overlap edge of each plate shall be offset when plates are fabricated for erection by the weld method.

Plates shall have a thickness of 5 gage subject to mill tolerances and have a section modulus of 0.251 inches cubed per inch.

Plates over 12 feet in length may be spliced by shop welding two or more plates end to end with continuous shop welds on both sides of the plates. When welds fall on stringers, the portion in contact with the stringers shall be ground smooth.

Full round holes for fastening the plates to the stringers shall be punched in the corrugation valleys on 9 inch centers parallel with the stringers. The holes at the center of the plate and on the underlap edge shall be 15/16 inches and on the overlap edge shall be 1 1/8 inches.

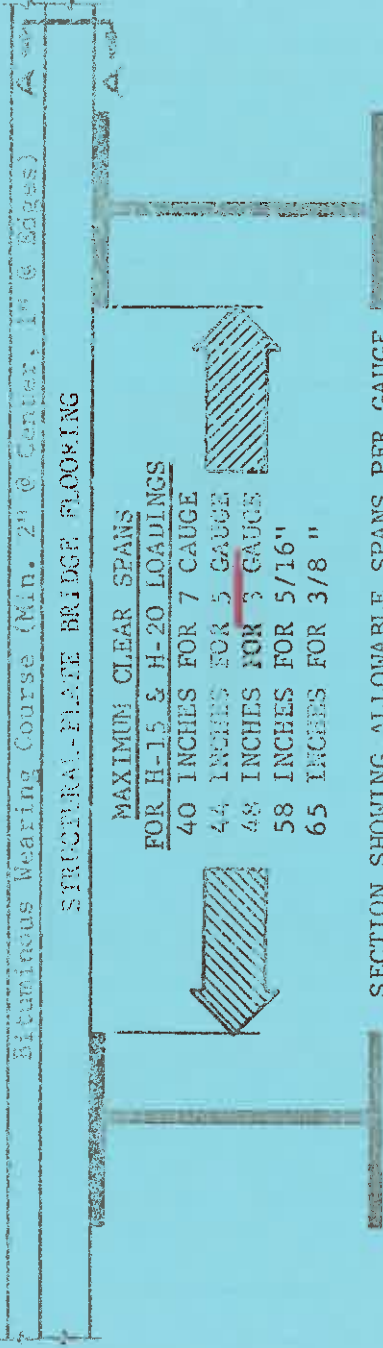
Accessories and Fasteners consisting of Bolt-On End Dams, Stringer Clamps and Edge Joint Clamps as shown on Dwg. D12-04(4) shall be of commercial grade, zinc galvanized or zinc plated. Double stringer clamps will be required to fasten the plates at the ends of each span.

Shop drawings and a floor plate placing plan with itemized bill of materials shall be furnished by the supplier and submitted to the Engineer for approval prior to fabrication.

Payment shall be made on a square foot basis for flooring actually placed and accepted by the Engineer.



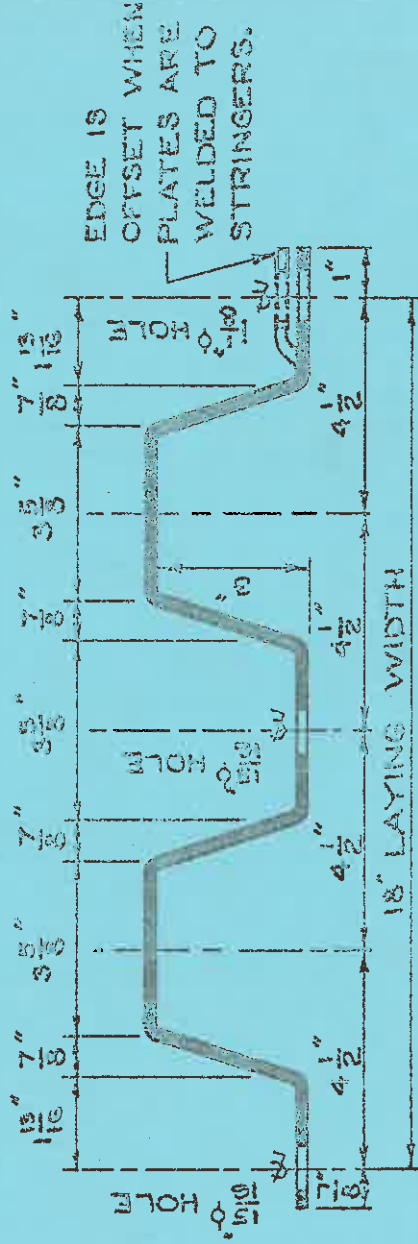
USE STRUCTURAL-PLATE BRIDGE FLOORING W/3x9 CORRUGATIONS



SECTION SHOWING ALLOWABLE SPANS PER GAUGE

PLATES FURNISHED: GALVANIZED AFTER FABRICATION ASTM A-123 OR WITH PRIME COAT OF BAKED-ON LEAD CHROMATE
 PLATES OVER 12' IN LENGTH MAY BE SPLICED BY WELDING 2 OR MORE PLATES TOGETHER END TO END AS FOLLOWS:

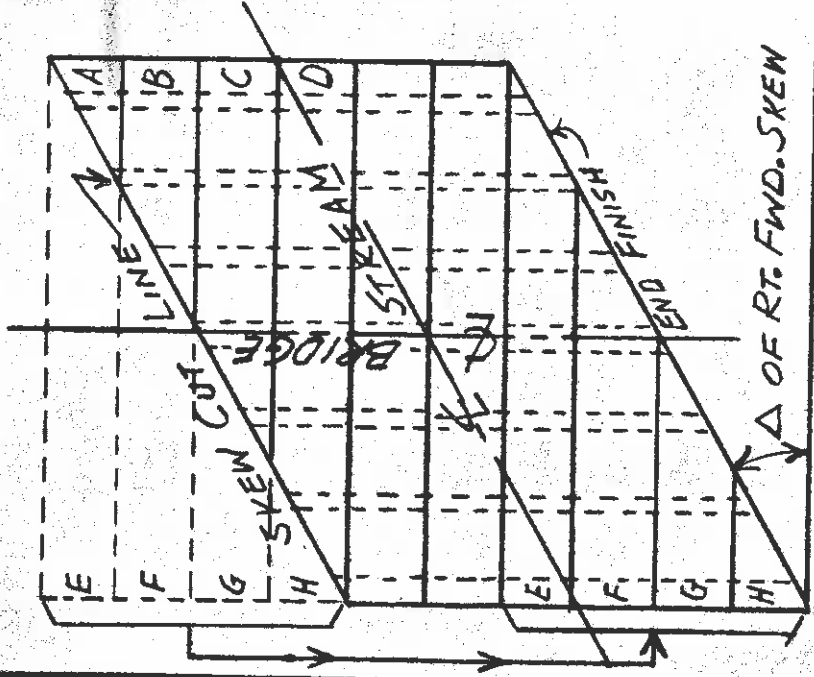
- (1) All splices not occurring over stringers shall be continuous butt welds on both sides.
- (2) Shop splices over stringers same as (1) except portion of weld bearing on stringer shall be ground smooth.
- (3) Field splices over stringers shall be continuous butt welds on top side only.



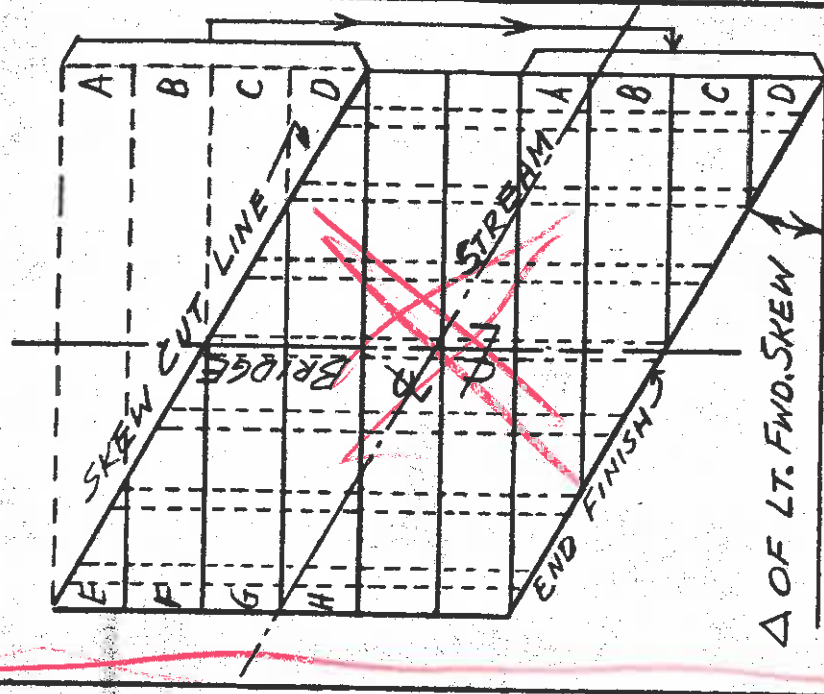
GAUGE	PHYSICAL PROPERTIES				WGT		TOTAL	
	WIDTH	S. IN ³ /IN	S. 1 IN ³ *	M. IN#	LBS/SF	ASPHALT LBS/SF	DEAD LOAD	
7 (.1793")	18"	.217	4.34	95,480	11.0	34	45.0	
5 (.2092")	18"	.251	5.02	110,440	12.8	34	46.8	
3 (.2391")	18"	.281	5.62	123,640	14.6	34	48.6	
5/16 (.3125")	18"	.350	7.00	154,000	19.1	34	53.1	
3/8 (.3750")	18"	.403	8.06	177,320	23.0	34	57.0	

Steel Spec. Minimum Tensile 55,000 P.S.I. Minimum Yield 40,000 P.S.I.
 * Based on 20" Wheel Spread

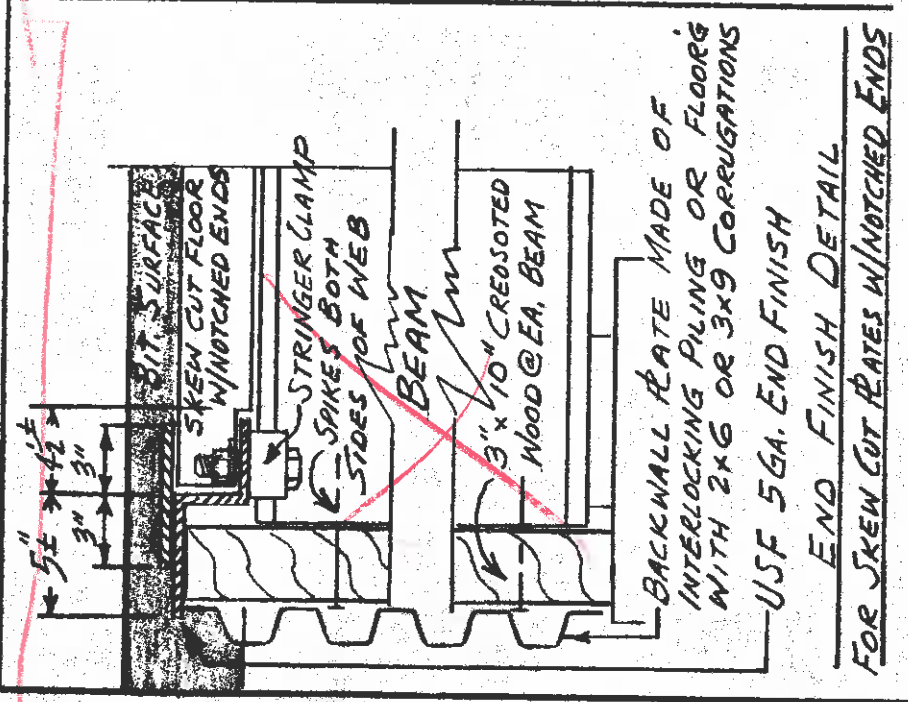
TO DESIGN OR ERECT FLOORS FOR:
 ATTACHMENT TO STRINGERS BY COMMON WELD METHOD - SEE DWG. NO. D12-04(2)
 ATTACHMENT TO STRINGERS BY STUD WELD METHOD - SEE DWG. NO. D12-04(3)
 ATTACHMENT TO STRINGERS BY CLAMP METHOD - SEE DWG. NO. D12-04(4)



PLAN OF BRIDGE RT. FWD. SKWEN



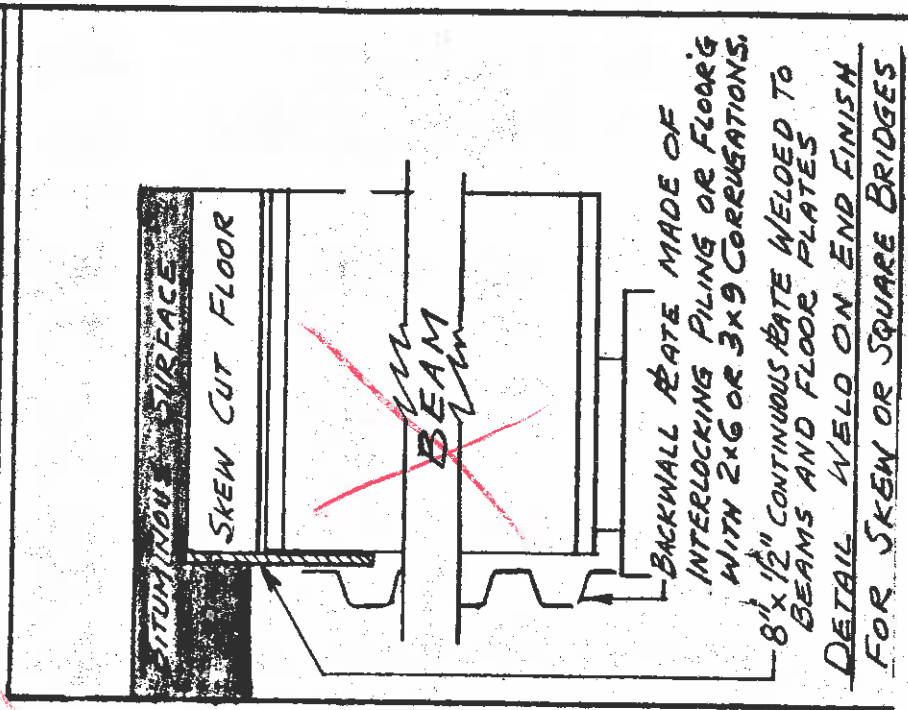
PLAN OF BRIDGE LT. FWD. SKWEN



BACKWALL PLATE MADE OF INTERLOCKING PILING OR FLOORING WITH 2x6 OR 3x9 CORRUGATIONS

USF 5 GA. END FINISH

END FINISH DETAIL FOR SKWEN CUT PLATES WITH NOTCHED ENDS



BACKWALL PLATE MADE OF INTERLOCKING PILING OR FLOORING WITH 2x6 OR 3x9 CORRUGATIONS.

8" x 1/2" CONTINUOUS PLATE WELDED TO BEAMS AND FLOOR PLATES

DETAIL WELD ON END FINISH FOR SKWEN OR SQUARE BRIDGES

UNITED STEEL FABRICATORS DIV.

Allen Electric and Equipment Co.
WOOSTER, OHIO 44691

Dwg. No. D 12-04 (1A)

TO: Chester R. Kurtz, Engineer of Logan County, Ohio
FROM: John P. Gordon, Deerwester Landscape, Inc.

REGARDING: Seeding of Bridge at Belle Center on Co. Rt. #39.

On May 25, 1974, the above site was covered with 600 pounds of 15-15-15 Commercial Fertilizer rather than the 59# of 12-12-12 due to the availability of the fertilizer used and the scarce nature of 12-12-12.


All foreign debris was removed from the seeding area (beer cans, bottles, and large rocks) and the fertilizer was incorporated into the soil by discing and hand raking.

Hand application of 90# of mixed grass seed was applied over the entire area. Approximately 1½ T. of Straw was used as mulching and 93 Gallon of SS-1 was used as binder.

At the completion of the work all excess mulch was raked from the roadway, and SS-1 "over-spray" was removed from the guard-rail.

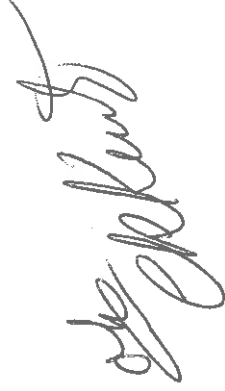
Please advise if you have any questions regarding the work or materials used in this project.

We have appreciated the opportunity of performing this work for you.


John P. Gordon, Treas., Mgr.
Deerwester Landscape, Inc.

ATTACHED:

Weightbills and reference
on Materials used.



Total Bill = \$ 1165.89

Fert. = 47.52
3300 Dyd @ .3389 = 1118.38

STEEL TRUSS BRIDGES

DATE

1962

OHIO-RR.
FORM 14800-S

TYPE OF BRIDGE Pratt Truss

NO. OF SPANS 1

FABRICATOR Massillon Bridge Co

DATE BUILT 1883

APPROX. SAFE LOAD CAPACITY OF TRUSS	LENGTH OUT TO OUT OF FLOOR	WIDTH BETWEEN CURBS OR FELLOW GUARDS	WIDTH OUT TO OUT OF TRUSSES	WIDTH OF SIDEWALKS	HEIGHT OF FLOOR ABOVE BRIDGE SEAT	CLEARANCE ABOVE MAX. HEIGHT	DIMENSIONS MIN. HEIGHT	HEIGHT OF FLOOR ABOVE BOTTOM CHORD	EXPANSION PROVISIONS
61'0"	72'0"	15'8"	18'-4"	None	1'0"	3" X 8"		6"	

TYPE AND SIZE OF RAILING OR HUB GUARD
Gardner Rd 11

DESCRIPTION OF FLOOR DRAINAGE
OS

ALIGNMENT AND SKEW OF STRUCTURE
150° RF

CHANNEL CHARACTERISTICS BETWEEN BANKS
Miami River

APPROX. WIDTH BETWEEN BANKS
50'

CHANNEL DEPTH
5'

NATURE OF BOTTOM
Cldy

ALIGNMENT OF STREAM ABOVE AND BELOW STRUCTURE
See sketch

SKEW OF NORMAL FLOW

TYPE OF TRUSSES
Pratt

LENGTH OF SPANS - C. TO C.
70'0" ✓

NO. PANELS
6

LENGTH OF PANELS
11'8"

FLOOR BEAMS AND CONNECTIONS

TYPE	NUMBER	SPACING	SECTION	SIZE-SHAPE-NET SECTION	HANG-ERS	RIV-ETED CONN-ECTIONS	NO. & SIZE RIVETS FLOOR BEAM TO CORR.	NO. & SIZE RIVETS CORR. TO TRUSS
INTER-MEDIATE FLOOR BEAMS	5	11'8"	5/16" SECTION	4 x 24" plate 4 ed 2 1/2" X 3" IS L	U 1 1/4" O			
END FLOOR BEAMS								

FLOOR JOISTS

KIND	NO. LINES	SIZE	WIDTH OF FLANGE	THICKNESS OF WEB	SPACING
I BEAMS	6	6" I @ 12.85#			2'0" X 3"
CHANNELS	2	6" C @ 8.6#			
WOOD					

DO JOISTS REST ON TOP OF FLOOR BEAMS? Yes

HOW FRAMED TO FLOOR BEAMS Bolts

SUPPORTS Rest on 6" I

REINFORCED CONCRETE SLABS

WRAPPING SURFACE TYPE B. I. T. THICKNESS 3" INCHES THICK ON CORRUGATED ARCHES OR BUCKLE PLATES

STRIP SIZE TREAT. 2" X 4" PLANK SIZE TREAT. CONCRETE

SUB-STRUCTURE

ABUTMENTS AND PIERS	MATERIAL	TYPE	HEIGHT FOOTER TO BRIDGE SEAT	WIDTH OF BRIDGE SEAT	LENGTH OF BRIDGE SEAT	FOUNDATIONS (PILING)	WINGS (LENGTHS, ANGLES ETC.)
REAR	Stone	Gravity		24"	23'		
ORWARD	"	"		24"	23'		
PIER							
PIER							

BRIDGE NO. 39-6.86

COUNTY Logan

ROUTE NO. CR-39

S.H. NO. Richland

SECTION	STRENGTH	ROADWAY	CLEARANCE	TYPE	
H10-H12	H13-H15	H20	15-16 19-22 23 +	12-12.4 14 +	OPEN A B C D E F

State of Ohio
Logan County, Ohio

RECEIVED

MAR 30 1973

LOGAN COUNTY
ENGINEER

THOMAS E. HUBBARD

being duly sworn, says that he is the representative of the publisher of The Bellefontaine Examiner a newspaper printed and of general circulation in the said county, and that the annexed

advertisement was published in said paper March 22,
29, 1973

Thomas E. Hubbard

Sworn to and subscribed before me a Notary Public

on this 29th day of March, 1973

Ruth E. Detwiler

RUTH E. DETWILER
Notary Public, Logan County, Ohio
My Commission Expires January 16, 1978

Printer's Fee \$ 9.00

CARTER PATR.

STATEMENT

Doorwester Landscaps, Inc.
Box 203
Kenton, Ohio - 43326

DATE 5/31/74

Chester R. Kurtz, County Engineer
Office of the County Engineer of Logan County
P. O. Box 427
Bellefontaine, Ohio - 43311

Please detach and return upper portion with your remittance. \$ _____

DATE	CHARGES AND CREDITS	BALANCE
5-25-74	Commercial Fertilizer (this amount is adjusted to reflect the correction of a mathematical error in our Bid Computation.)	47.52
	3300 Sq. Yd. of Seeding & Mulching .3389 per Sq. Yd.	1118.37
	TOTAL	\$ 1165.89

Reference:
Your Purchase Order #26276
Your Requisition #24461

39-686

Thank You

CRK

NOTICE TO BIDDERS

Sealed bids will be received at the office of the Logan County Engineer, County Highway No. 13, Bellefontaine, Ohio until 10:00 A.M. Eastern Standard Time, April 5, 1973 for the purpose of supplying structural steel for Logan County Bridge No. 39-6.86 in accordance with the Logan County Engineer's plans and specifications. Bids shall be submitted on Logan County Engineer's forms only. Alternate bids will not be accepted. The Board of Logan County Commissioners reserves the right to reject any or all bids. By order of the Board of County Commissioners, Logan County, Ohio. CHESTER R. KURTZ
Logan County Engineer
March 22, 1973-t2

Your Check is Your Receipt

MAIL
FRANTZ BROS.
To Bros.

LINE MFG. CO.
 TION - WELDING
 CRETE PRODUCTS
 . 47 West
 Sidney, Ohio 4536

DATE	PRICE	AMOUNT
July 3, 1973		
Ohio		
County Court House, Bellefontaine		
Rt. # 39-6-86, County Hwy. 39		
South of Belle Center, Ohio		
ACCT.	MDSE. RETD.	PAID OUT
(6-pcs.)		
(8-pcs.)		
(10-pcs.)		
(30-pcs.)		
late (16-pcs.)		
with holes		
w/o holes (32-pcs.)		
and finish (2-pcs.)		
ish (2-pcs.)		
nuts (120-pcs.)		
& nut (120-pcs.)		
& nut (96-pcs.)		
& nut (128-pcs.)		
g pad keepers (48-pc)		
steel		
Tax		
Total		

Be accompanied by this bill

Leslie Sears B

HOP PHONE 513 - 492-8600
 OFFICE PHONE 513 - 492-9184

SIDNEY MACHINE MFG. CO.
 STEEL FABRICATION - WELDING
 PRECAST CONCRETE PRODUCTS
 State Rt. 47 West
 Sidney, Ohio 45365

O. Box 516

P.O. # 25915-Complete July 3, 1973

Logan County Commissioners

County Court House, Bellefontaine, Ohio

Delvd. to: Logan Co. Br. #39 6.86, County Hwy. 39
 South of Belle Center, Ohio

DESCRIPTION	PRICE	AMOUNT
46,538# Total Weight-Structl. Steel @ .1625		7562 43
24 pcs. 1/2" Neoprene Pads @ 5.50		132 00
		<u>7694 43</u>

Structural

Supp

Charge Slip

RECEIVED

JUL 21 1973

LOGAN COUNTY ENGINEER

Total: 7694 43

Be accompanied by this bill

17233

SIDNEY, OHIO 45365 June 19 1973

Honorable Logan County Commissioners
 Logan County Engineers Office
 Bellefontaine, Ohio 43311

IN ACCOUNT WITH
FRANTZ BROTHERS, INC.
General Contractors
 P. O. BOX 59

39-686

oving in charge	Lump sum	\$1500 00
Driving 12" H Piling		
225 Lin FT. @ \$6.00 Lin Ft.		5550 00
Removal of south abutment		
& dirt	Lump sum	300 00
Total		\$7350 00

RECEIVED

JUN 21 1973

LOGAN COUNTY ENGINEER



