

MINUTES OF A CALLED MEETING OF THE BOARD OF DIRECTORS OF
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
HELD IN THE DISTRICT OFFICE IN FORT WORTH, TEXAS, ON THE
9TH DAY OF JUNE, 1932, AT 3 O'CLOCK P.M.

The call of the roll disclosed the presence of all directors as follows, viz:

W. R. Bennett
E. E. Bewley
W. K. Stripling
C. A. Hickman
Joe B. Hogsett

W. R. Bennett presided in his capacity as President of the Board; W. K. Stripling acted in his capacity as Secretary.

At this time and place the following proceedings were had and done, viz:

1.

Mr. Clarence E. Farmer, Mr. W. J. Bailey and Mr. Damon Davis appeared for a conference with the Directors. Mr. Farmer and Mr. Davis stated they desired to present a suggestion that in their opinion there were certain defects in the stone blanket and rip rap now in place on the Eagle Mountain Main Dam and Levee Section. Mr. Farmer presented his conclusions, based on a personal inspection of the work, which, in substance, were as follows

(a) The rip rap on the levee section complies with the specifications, both as to the nature of the materials and the manner of placing the same.

(b) The stone blanket underlying the rip rap on the levee section is not in compliance with the specifications, either as to quality or thickness.

(c) The blanket on the main Dam does not comply with the specifications, either as to the nature of the material or the minimum allowable thickness of the blanket, the statement being that the material used in the blanket was such that it would disintegrate by exposure to frosts, air and water.

DA

(d) The rip rap on the main Dam, contains much material not complying with the specifications and the manner for placing the material does not comply with the specifications, especially with reference to the size of the separate stones, the allowable space between stones, and the nature of the spalls driven between the stones.

(e) Mr. Farmer, for himself, asserted that the dam would be unsafe unless the main dam blanket and rip rap now in place be removed and replaced with blanket and rip rap complying with the specifications, both with reference to materials and the manner of placing the same. He, for himself, urged that the Directors immediately do require this to be done. Mr. Bailey stated that he had no personal knowledge of the physical facts, but that if it be true that the conclusions stated by Mr. Farmer were correct, then he would be highly concerned that the Directors immediately take such steps as would afford the District and the property below the Eagle Mountain Dam assured protection against the dam going out at some future time of high water. Mr. Davis stated that he, as a Engineer, at the request of Mr. Farmer, had made an inspection of the work under consideration. He stated that he had no criticism whatever to make of the blanket and the rip rap on the levee section. That in his opinion it was a workmanlike job. He was of the opinion that much of the material in the blanket on the main dam was not in accordance with the specifications and that the blanket in places would be found to be of less thickness than the allowably minimum specified by the contract. That probably 40% of the stone in the rip rap was subject to objection, either because not of a proper material, or because of not being properly placed and spaced. That while there were a few stumps projecting through the rip rap, they could be easily removed and the places properly filled with blanket and stone. He was not prepared to say that the blanket and rip rap

9

now in place would not prove adequate. That he should be understood as confining his statements purely to the question of the compliance with the specifications. Further, he stated that he realized that the work had not been accepted, and that he had no reason to assume that the Engineers for the District, before acceptance, would require that the work be in substantial compliance with the contract.

Thereupon the Committee retired, and the Directors proceeded to a discussion of this subject, whereupon the Directors renewed with Mr. Freese, of the Engineers, their prior discussions of this same matter. Mr. Freese stated that he had not made the actual inspections of this work, but that they had been made by Major Hawley, Mr. Nichols, and Mr. A. H. Woolverton. That he had expected to have Mr. Nichols present at a meeting to be held on Friday June 10, 1932, and that in his opinion Mr. Nichols would be able to make a more detailed report than is now available. The Directors were of the opinion, in view of the considerable length of time during which this subject had been under debate, that the Board should immediately take steps to call in outside Engineering Advice which might serve to settle the matter, whereupon Director Hogsett made a motion that there be transmitted to the State Board of Water Engineers a request that they promptly come to Fort Worth, to inspect the sufficiency of the blanket and rip rap on the Eagle Mountain Dam and to make written report to the Directors thereon. Further, that the District, if required, do pay the actual expenses incurred by the State Board of Water Engineers in coming to Fort Worth for inspection and report. This motion was seconded by Director Hickman. Upon a vote being taken the motion was carried and it was so ordered.

2.

Attached to these Minutes as "Exhibit A," is an itemized statement of the condition of the finances of the District as of June 10, 1932. Reference here is made to said exhibit as though it were embraced herein. (Said statement anticipates the condition as the same will be on June 10, after consummation of the Bank Loan in the sum of \$12,000.00, which has been authorized at a prior meeting held on this day). There was full examination of each of the proposed voucher checks, together with the data to support the same, whereupon Director Bewley made a motion that the proposed Voucher Checks, consecutive serial numbers from 2870 to 2899, both inclusive, do be approved for payment and delivered to the respective persons entitled to receive the same. This motion was seconded by Director Hickman. Upon a vote being taken the motion was carried and it was so ordered.

3.

Attached to these Minutes, as "Exhibit B," is Monthly Estimate of the sum due to the Contractors Number 28, on the Eagle Mountain Dam, which states that the sum now due and payable to the contractors under said Estimate is \$62,140.20. Examination of this estimate was made and exception was taken to Item No. 33, "Extra Work - \$498.99," whereupon Director Hogsett made a motion that said Estimate do be approved, reserving exception to said item No. 33 - Extra Work, as to which investigation is to be made, and later adjustment effected according to the findings. Further, that the District's Voucher Check, payable to the Contractors, Number 2900, for the sum \$62,140.20, do be issued and delivered to the contractors as a payment on account, subject to the exceptions heretofore made and all exceptions which hereafter may

be made before final settlement. This motion was seconded by Director Hickman. Upon a vote being taken, the motion was carried and it was so ordered.

4.

Attached to these Minutes as "Exhibit C," is the Engineers' Estimate for Extra Work, done in placing conduits in the Bridgeport Dam, which was for the sum \$6147.72. This item was accompanied by the District's Voucher Check No. 2901, for the stated sum. There was consideration of this matter. It was stated by Mr. Freese, of the Engineers, that the items in the account were better known to Mr. Nichols than to him, whereupon it was the sense of the Directors that said account should not be allowed at this time, and that the same should be investigated, and that the proposed voucher check be not now issued or delivered: It was so ordered.

5.

Attached to these Minutes as "Exhibit D," is a request of Hawley and Freese, as Engineers, that they be paid on account the sum \$1500.00. This statement was accompanied by their estimate of the sum due to them by the District Number 33. The said exhibit here is referred to as part hereof. This request was accompanied by the District's Voucher Check No. 2902, for the sum \$1500.00. There was consideration of this matter, whereupon Director Hogsett made a motion that the request do be granted; that the District's Voucher Check No. 2902, payable to Hawley and Freese, for the sum \$1500.00, do be executed and delivered to them as a payment on account, subject to all exceptions heretofore made. This motion was seconded by Director Bewley. Upon a vote being taken the motion was carried and it was so ordered.

6.

There was presented to the Directors for consideration their prior authorization for payment to W. U. Blocker the sum \$800.10, as consideration for 28.28 acres of land to be conveyed to the District in fee simple, and for a flood easement on 18.62 acres of land to be placed under a flood easement. It was reported that this matter was now ready for closing. There also was presented the certificate of the District Engineers as to the necessity to have this land and easement. The attorneys for the District presented their certificate that the District might safely accept conveyance and pay the consideration; subject only to compliance with the requirements made in their opinion on the title. This proposal was accompanied by the District's Voucher Checks Numbers as follows, viz:

<u>NO.</u>	<u>PAYABLE TO</u>	<u>COVERING</u>	<u>AMOUNT</u>
2903	W. U. Blocker)	Wise County Land Purchase	\$ 624.86
2904	W. U. Blocker (156.10

There was full consideration of this matter, whereupon Director Hickman made a motion that the stated Voucher Check do be issued, executed and transmitted to Mr. M. W. Burch, at Decatur, Texas, for use in closing the transaction, as and when Mr. Blocker may have actually complied with the requirements as to title. This motion was seconded by Director Stripling. Upon a vote being taken the motion was carried and it was so ordered.

7.

REPORT OF LAND COMMITTEE:

1. Director Hickman, as Chairman of the Land Committee, reported certain sales of certain old houses off of lands of the District as follows: (As contained in report of A. L. Culwell, dated May 30, 1932)
 - (a) To O. A. Welch, one house from the Tom Counts land, for the consideration of Three days labor, \$4.50; and cash \$ 10.00

(b) The old two room house on the U. L. Counts land, to R. D. McDaniel, for the consideration of \$10.00

(c) The larger house on the U. L. Counts land, and the house on the J. J. Boyd land, to Lee Morris, which proposal was accompanied by check for \$40.00

The cash in hand accompanied this report totaled 20.00, 60.00 and is now in the hands of the District.

The Land Committee recommended that these sales be approved and confirmed, whereupon Director Hickman did so move, subject only to the actual payment of said check for \$40.00. This motion was seconded by Director Stripling. Upon a vote being taken the motion was carried and it was so ordered.

8.

There was presented to the Directors for consideration report of Messrs. Pitner & Adams, Auditors for the District, to cover the month of May, 1932. Each of the Directors had been furnished a copy of said report, but desired the report be passed for later consideration: It was so ordered.

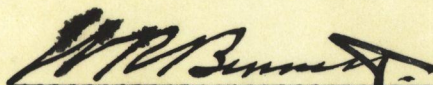
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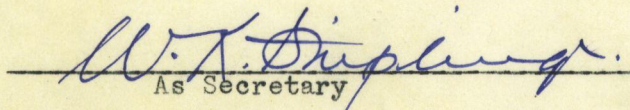
There was also presented to the Directors the Audit, of tax collections for the District, by Mr. W. E. Yancy, dated May 1, 1932. This report was passed for later consideration.

10.

No further business was presented, and the meeting was adjourned.

APPROVED:


As President.


As Secretary

"EXHIBIT A" MINUTES JUNE 9, 1932 3 P. M.

VOUCHERS NOS. 2870 TO 2904, INCLUSIVE
ALLOWED AT MEETING HELD ON
JUNE 9, 1932.

NO.	ISSUED TO	COVERING	AMOUNT
2870	Continental National Bank, Fort Worth	Interest on \$12,000.00 Note	\$ 60.00
2871	W. R. Bennett	Directors Fees	60.00
2872	E. E. Bewley	Directors Fees	50.00
2873	W. K. Stripling	Directors Fees	40.00
2874	C. A. Hickman	Directors Fees	60.00
2875	Joe B. Hogsett	Directors Fees	60.00
2876	Sidney L. Samuels	Attorneys Fees	416.67
2877	Ireland Hampton	Attorneys Fees	625.00
2878	Ed B. Cheatham	Salary	250.00
2879	Alice McConnell	Salary	125.00
2880	Alfred L. Culwell	Salary as Custodian of Bridge- port Dam Works	100.00
2881	Bandy Reproduction Company	Photostats	.75
2882	Wm. Capps Building Company	Office Room Rent month of June	40.00
2883	W. V. Cunningham, Co. Clerk Wise	Recording Expense \$.75 Court Costs 7.70	8.45
2884	G. W. Duke	Clearing, Eagle Mountain	177.60
2885	Fort Worth Star-Telegram	Publication of "Notice of Sale of Land."	12.80
2886	General Electric Supply Corporation	One pair Klein Climbers	4.02
2887	Ritchie-Cartan & Turner Co., Inc.	Office Supplies	10.03
2888	The Southwest Telephone Company	Exchange & Toll at Bridgeport Dam	3.75
2889	Southwestern Bell Telephone Co.	Exchange & Toll Service	11.40
2890	Texas Power & Light Company	Electric Current Bridgeport Dam	10.64
2891	The Western Union Telegraph Co.	Telegram to Des Moines, Iowa	1.02
2892	Chapman and Cutler	Opinion on \$1,500,000.00 Series "D" Bonds of this District	750.00
2893	Dan Jackson	Labor, Bridgeport Dam	6.00
2894	R. E. Smith	Labor, Bridgeport Dam	8.25
2895	R. D. McDaniel	Labor, Bridgeport Dam	5.25
2896	Clieve Weatherby	Labor, Bridgeport Dam	6.75
2897	B. L. Brown	Labor, Bridgeport Dam	1.40
2898	O. A. Welch	Labor, Bridgeport Dam	3.00
2899	C. F. Wilson	Labor, Bridgeport Dam	3.00
2900	Trinityfarm Construction Co., Inc., McKenzie Construction Company, Uvalde Construction Company) Estimate of Progress of Work No. 28	\$62,140.20
°2901	McKenzie Construction Company & Uvalde Construction Company) In Payment of "Extra Work Order Number 23 - Bridgeport"	6,147.72°
2902	Hawley and Freese, Engineers	33rd Payment on Account	1,500.00
2903	W. U. Blocker	Land Purchase	624.86
2904	W. U. Blocker	Land Purchase	156.10
T O T A L			\$73,479.66

DISTRIBUTION OF VOUCHERS NOS. 2870 TO 2904, INCLUSIVE

Directors	\$270.00	Preparation and Sale of Bonds	\$ 752.27
Legal	1043.57	Land Department	21.25
Office	433.53	Land Purchases	780.96
Bridgeport Dam	152.56	Construction	68465.52
Interest on Loan	60.00	Engineering	1500.00
T O T A L			\$ 73479.66

°Voucher Check No. 2901 reserved for later consideration.

CONDITION OF FUNDS JUNE 10, 1932

	<u>CONSTRUCTION FUND</u>	<u>INTEREST & SINKING FUND</u>
BOOK BALANCE May 10, 1932	\$ 64,063.93	\$ 223,694.39
Receipts: Interest D/B	84.91	408.29
Temporary Loan, Continental National Bank	12,000.00	
Miscellaneous	60.53	
Taxes, Penalty, etc.		2,020.75
Interest Collector's D/B		30.05
	<hr/>	<hr/>
	\$ 76,209.37	\$ 226,153.48
Disbursements:		
Vouchers Nos. 2870 to 2904, Inclusive	<hr/>	<hr/>
	73,479.66	NONE
BOOK BALANCE JUNE 10, 1932	\$ 2,729.71	\$ 226,153.48

COMPARISON OF DEPOSITORY SECURITY AND DISTRICT FUNDS

BOOK BALANCE:

Construction Fund	\$ 2729.71
Interest & Sinking Fund	<u>226153.48</u>
T O T A L	\$ 228883.19
DEPOSITORY SECURITY	<u>315000.00</u>
EXCESS DEPOSITORY SECURITY	\$ 86116.81

TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE
BONDS AUTHORIZED \$6,500,000.00

Series "A" Bonds #1 to #2000, inclusive	OUTSTANDING	\$2,000,000.00
Series "B" Bonds #2001 to #3500, inclusive	OUTSTANDING	1,500,000.00
Series "C" Bonds #3501 to #5000, inclusive	OUTSTANDING	1,500,000.00
Series "D" Bonds - 335 Sold	OUTSTANDING	335,000.00
Series "D" Bonds	UNSOLD	<u>1,165,000.00</u>
T O T A L		\$ 6,500,000.00

TEMPORARY LOANS

<u>NOTE DATED</u>	<u>FAVOR</u>	<u>AMOUNT</u>	<u>D U E</u>
June 10, 1932	The Continental National Bank Fort Worth, Texas	\$12,000.00	On or before 30 days after date.

"EXHIBIT B" JUNE 9, 1932, 3 P. M.
TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 1
EAGLE MOUNTAIN DAM—GENERAL CONTRACTOR'S ESTIMATE No. 28

DATE June 6 1932 PERIOD 5-1-32 TO 6-1-32

ITEMS	This Month	Previous	Total to Date	Price	AMOUNT
1. Wetted and rolled emb., cu. yds. (Main Dam)	74,893	701,814	776,707	\$ 0.361	280 391 23
2. Core trench excavation, cu. yds.	None	140,538	140,538	0.20	28 107 60
3. Hydraulic fill embankment, cu. yds.	34,573	1,435,245	1,469,818	.361	530 604 30
4a Puddled core wetted & rolled emb. levee, cu. yds.				.322	
5. Dragline (or team) embankment, cu. yds.				.20	
8. Bermuda Grass sodding, acres	3	12	15	250.00	3 750 00
11. Earth spoil bank, cu. yds.	None	38,343	38,343	.30	11 502 90
12. Loose rock excavation, cu. yds.	None	204,270	204,270	.70	142 989 00
13. Solid rock excavation, cu. yds.	None	40,427	40,427	1.00	40 427 00
27. Clearing, acres	None	5,370	5,370	30.00	161 100 00
28. Light clearing, acres	None	338.6	338.6	23.00	7 787 80
29. Dewatering river channel (complete)	None	Complete	Complete	1,500.00	1 500 00
30. Materials as per attached statement "A"					
32. Extra work as per attached statement "B"	None	5,232.99	5,232.99		5 232 99
34. Wetted and rolled emb. (Levee) cu. yds.	None	523,335	523,335	.322	168 513 87
35. Overhaul (Sta. Yds.)	None	920,393	920,393	.03	27 611 79
36. Clayball Excavation	None	12,940	12,940	.14	1 811 60
37. Berms	4,100	122,229	126,329	.24	30 318 96
6. Rip rap paving, cu. yds.	6,058	26,087	32,145	4.30	138 223 50
7a. Crushed stone blanket, cu. yds.	1,882	11,294	13,176	2.70	35 575 20
9. Gravel roadway, cu. yds.	None	2,319	2,319	2.85	6 609 15
10. Sheet steel piling, sq. ft.	None	5,588.23	5,588.23	1.10	6 147 05
a. To 40' length	None	93,713	93,713	1.40	131 198 20
b. 40' to 60' length	None	15,666.06	15,666.06	1.50	23 499 09
c. 60' to 100' length	None	13,808.77	13,808.77	2.112.00	29 136 50
14. Gate house and valves (complete)				41,000.00	
15. 2500-lb concrete, cu. yds.	None	11,658	11,658	14.50	169 041 00
16. 1500-lb. concrete, cu. yds.	None	13,481	13,481	10.00	134 810 00
17. 1-14 concrete, cu. yds.				9.00	
18. Wooden guard fence, lin. ft.				.80	
19. Pipe hand rail and link fabric, lin. ft.	None	933	933	1.70	1 586 10
20. Eight-inch Vit. pipe slope drains, lin. ft.	314	1,113	1,427	.55	784 85
21. Grouted paving inlets for slope drains, cu. yds.	4	19	23	8.00	184 00
22. Six-inch tile drains under structure, lin. ft.	None	5,007	5,007	.80	4 005 60
23. Wooden foundation piling, lin. ft.				.95	
24a. Three "Caterpillar" gates (complete)	None	Complete	Complete	53,500.00	53 500 00
25. Portland cement, bbls.	8	31,990	31,998	2.55	81 594 90
26. Reinforcing steel, lbs.	None	1,516,959	1,516,959	.0425	64 470 76
31. Materials as per attached statement "C"					
33. Extra work as per attached statement "D"	498.99	29,224.41	29,723.40		29 723 40
38. 10d 40' Lengths M108-1/2" Web	None	1,008	1,008	1.51	1 522 08
39. 10e 40' to 60' Lengths M108-1/2" Web	None	51,611.66	51,611.66	1.61	83 094 77
40.					
41.					

HAWLEY, FREESE and NICHOLS, Consulting Engineers

By J. W. Freese

Total work to date.....	\$	2 436 355 19
Less 15% retained.....		365 453 28
Less previous payments.....		2 070 901 91
Balance due General Contractor this estimate.....	\$	62 140 20

May 31, 1932.

Eagle Mountain Dam - Estimate No. 28

Statement "D" - Extra Work

To Previous Estimates	\$ 29,224.41	✓
Extra Work Order No 17	<u>498.99</u>	
	\$ 29,723.40	✓



Subscribed and sworn to before me this 30 day of June, 1932.

Paul Watkins
Notary Public in and for Tarrant County, Texas.

McKenzie Construction Company,
& Uvalde Construction Company.

By J. R. Gibson
J. R. Gibson

*OK
McKenzie*

Recapitulation to Extra Work Order Number EM - 17

Details Herewith

<u>Date</u>	<u>Labor</u>	<u>Insurance</u>	<u>Bay City Crane</u>	<u>Locomotive Boiler</u>	<u>Hammer</u>	<u>Oxygen & Acetylene</u>	<u>Total</u>
Aug 21 1931	43.40	4.98	40.00	17.50			105.88
22	34.40	3.94	32.00	14.00		14.76	99.10
24	22.90	2.63	20.00	8.75	1.00		55.28
27	43.80	5.03	28.00	17.50	11.50		105.83
28	30.30	3.47	16.00	12.25	1.50		63.52
	<u>174.80</u>	<u>20.05</u>	<u>136.00</u>	<u>70.00</u>	<u>14.00</u>	<u>14.76</u>	<u>429.61</u>

Plus 15% 64.44

494.05

Plus 1% Bond 4.94

Amount Due \$ 498.99

M. C. Nichols

7 August 31, 1932.

To Extra Work Order Number EM 17 - Pull sheet piling driven near stations 40 plus 47 to 40 plus 17 as directed by engineers. Actual cost plus 15%.

EQUIPMENT DETAIL:

Bay City Crane	- Charge per Hour	\$ 3.25
Skid, Driver and Hoist	- " " "	1.75
Gasolene - 3.3 gal	- " " "	.33
# 9 McTierny-Terry Hammer	* No Charge	0.00
		<u>\$ 5.33</u>

Charge per Hour \$ 4.00

Locomotive Type Boiler	- Charge per hour	\$ 0.50
Fuel Oil - 0.879 Bbls. per Hour	- " " "	1.41
Pipe Lines, Jet, Steam Lines	- " " "	.30
Gardner Jet Pump	- " " "	.20
River Pump	- " " "	.20
		<u>\$ 2.61</u>

Charge per Hour \$ 1.75

DAILY DETAILS

August 21, 1931.

Labor, per detail		\$ 43.40	
Insurance on labor @ 11.48 per 100		4.98	
Bay City Crane 10 Hours @ \$ 4.00		40.00	
Locomotive Boiler 10 Hours @ 1.75		17.50	\$ 105.88
		<u>17.50</u>	

August 22, 1931.

Labor, per detail		34.40	
Insurance on labor @ 11.48 per 100		3.94	
Bay City Crane 8 Hours @ \$ 4.00		32.00	
Locomotive Boiler 8 Hours 1.75		14.00	
Oxygen 660 cu. ft @ 1.15		7.59	
Acetyline 239 cu. ft. @ 3.00		7.17	99.10
		<u>7.17</u>	

*OK
McNichols*

August 24, 1931

Labor, per detail		22.90	
Insurance on labor @ 11.48 per 100		2.63	
Bay City Crane 5 Hours @ 4.00		20.00	
Locomotive Crane 5 Hours @ 1.75		8.75	
1 - MT # 6 Steam Hammer 4 Hours @ 0.25		1.00	55.28
		<u>1.00</u>	

August 27, 1931

Labor per detail	\$ 43.80	
Insurance on labor @ 11.48 per 100	5.03 -	
Bay City Crane 7 Hours @ 4.00	28.00 -	
Locomotive Boiler 10 Hours @ 1.75	17.50 -	
1 - MT #6 Hammer 10 Hours @ 0.25	2.50 -	
Hauling hammer from Dallas	9.00 ?	\$ 105.83

August 28, 1931.

Labor, per detail	30.30	
Insurance @ 11.48 per 100	3.47 -	
Bay City Crane 4 Hours @ 4.00	16.00 -	
Locomotive Boiler 7 Hours @ 1.75	12.25 -	
1 - MT #6 Hammer 6 Hours @ 0.25	1.50 -	63.52
		\$ 429.61
Plus 15%		64.44
		\$ 494.05
Plus 1% Bond		4.94
		\$ 498.99

OK
mC Nicks

JOHN B. HAWLEY
S. W. FREESE
M. C. NICHOLS
A. H. WOOLVERTON
H. A. HUNTER

"EXHIBIT C" 6/9/32 - 3 P.M.

WATER SUPPLY
WATER PURIFICATION
SEWERAGE
SEWAGE TREATMENT
FLOOD CONTROL
APPRAISALS

HAWLEY, FREESE AND NICHOLS
CONSULTING ENGINEERS
407-410 CAPPS BUILDING
FORT WORTH, TEXAS

June 8, 1932

Hon. Board of Directors,
Tarrant County Water Control and
Improvement District Number One,
Fort Worth, Texas.

Gentlemen:

We hand you herewith statement
covering additional work at Bridgeport Dam.

We recommend that the bill be
allowed.

Respectfully submitted,

HAWLEY and FREESE

BY

S. W. Freese

District Engineers.

6147.72
57.15
#6090.57 1% Bond

April 30, 1932.

To Tarrant County Water Control & Improvement District Number One,
Capps Building,
Fort Worth, Texas.

in account with

McKenzie Construction Company,
& Uvalde Construction Company,
P.O.Box 1869
Fort Worth, Tex.

To Extra Work Order Number 23 Bpt. - Install
48" Cast Iron Pipe and Valves, Valve Stems &
Brackets, Rodney Hunt Stands and Build Concrete
Plugs and Concrete Trash Racks, etc. in the
North Conduit, Bridgeport Dam, all in accordance
per instructions received in Major Hawley's
letter of March 3, 1932. Actual Cost plus
15%.

Details Attached \$ 5,772.02

* * * *

Installing Cyclone Pipe Guard Rail Fence on
the Downstream wing walls Conduits, Bridgeport
Dam

Detail Attached 357.00

* * * *

Cylinder Breaks, Bridgeport Dam

Details Attached 18.70

Amount Due. \$ 6,147.72

* * * *

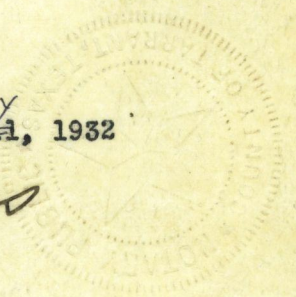
McKenzie Construction Company,
& Uvalde Construction Company,

By J. R. Gibson
J. R. Gibson

Subscribed and sworn to before me this 2nd day of May, 1932

Eula Watkins
Notary Public in and for Tarrant County, Texas.

OS
McKenzie



Recapitulation to Charges Valve Installation
Bridgeport Dam

<u>Date</u>	<u>Labor</u>	<u>Insurance</u>	<u>Material</u>	<u>Total</u>
March 10	70.30	8.81	126.95	206.06
11	113.00	14.16	51.60	178.76
12	106.60	13.36	49.87	169.83
13	107.20	13.43		120.63
14	97.80	12.25	126.55	236.60
15	104.50	13.09		117.59
16	94.40	11.83	19.45	125.68
17	93.00	11.65	17.60	122.25
18	98.10	12.29	82.00	192.39
19	93.20	11.68		104.88
20	86.80	10.88	12.28	109.96
21	43.50	5.45		48.95
22	23.50	2.94	30.40	56.84
23	106.50	13.34	2.10	121.94
24	101.40	12.71	19.50	133.61
25	110.25	13.81		124.06
26	112.40	14.08	2.45	128.93
27	116.65	14.62		131.27
28	88.50	11.09	2.00	101.59
29	74.25	9.30	13.70	97.25
30	79.00	9.90	2.85	91.75
31	83.50	10.46		93.96
April 1	110.35	13.83	166.56	290.74
2	139.80	17.52	111.93	269.25
3	11.20	1.40		12.60
4	84.00	10.53		94.53
5	81.75	10.24	118.25	210.24
6	109.05	13.66		122.71
7	68.30	8.56		76.86
8	71.50	8.96	9.25	89.71
9	38.25	4.80		43.05
10	3.00	.38		3.38
11	66.75	8.36	32.95	108.06
12	68.30	8.56	.30	77.16
13	70.50	8.83	13.00	92.33
14	46.50	5.82	1.00	53.32
15	46.50	5.82	2.10	54.42
16	46.50	5.83	6.50	58.83
18	46.50	5.83		52.33
19	46.50	5.83	8.95	61.28
20	26.90	3.37		30.27
Forward	3,186.50 ✓	399.26 ✓	1,030.09 ✓	4,615.85
Per Details		27.88 ✓	46.00	73.88
Forward	3,186.50	371.38	984.09	4,541.97 ✓

*OK
M. M. M.*

S.G.F.

April 30, 1932.

Recapitulation to Charges on Valve Installation
Bridgeport Dam

<u>Date</u>	<u>Labor</u>	<u>Insurance</u>	<u>Material</u>	<u>Total</u>
Forward	3,186.50	371.38	984.09	4,541.97
<u>Eagle Mountain</u>				
March 9	41.20	5.16	8.50	54.86
11	3.15	.39	7.65	11.19
12	4.02	.50	9.77	14.29
14	4.02	.50	32.37	36.79
April 1	3.15	.39	7.65	11.19
11	6.40	.80	11.90	19.10
19	2.80	.35	6.80	9.95
20	5.55	.69	8.50	14.74
	<u>\$ 3,256.79</u>	<u>\$ 379.37</u> ^{380.16}	<u>\$ 1,077.13</u>	<u>\$ 4,714.08</u> ✓

Equipment per detail	95.43
Superintendent's Expense, per detail	159.94
	<u>\$ 4,969.45</u>
Plus 15%	745.42
	<u>\$ 5,714.87</u> ✓
Plus 1% Bond	57.15
	<u>\$ 5,772.02</u> ✓

*OK
memo*

3 G.E.

April 30, 1932.

Detail of Equipment and Supplies Used on Valve
Installation North Conduit Bridgeport Dam

	<u>Items</u>	<u>Unit Cost</u>	<u>Total Cost</u>	<u>Percent of Charge</u>	<u>Monthly Charge</u>	<u>Sub-Totals</u>
<u>Cable Clamps</u>						
	39	1/2" 27¢	10.53	10.2	1.07	
	33	3/4" 39¢	12.87	10.2	1.31	
	18	5/8" 30¢	5.80	10.2	.59	
	37	7/8" 45¢	16.65	10.2	1.70	
<u>Cable</u>						
	400 L. Ft.	3/8" 16.5¢	66.00	10.2	6.73	
	650 L. Ft.	3/4" 27.2¢	176.80	10.2	18.03	
	350 L. Ft.	5/8" 18.1¢	63.35	10.2	6.46	
	100 L. Ft.	7/8" 35.1¢	35.10	10.2	3.58	39.47
	100 L. Ft.	1" 35.1¢	35.10	10.2	3.58	
<u>Rope</u>						
	200 L. Ft.	3/4" 33# 21.¢	6.93	10	.69	
<u>Winches</u>						
	2 -	Sasgen 30.00	60.00	10	6.00	6.69
<u>Blocks</u>						
	3 -	4" Single Rope Blocks 90¢	2.70	10	.27	
	3 -	4" Double Rope Blocks 3.60		10	.36	
	2 -	10" Snatch Blocks 11.25		10	1.12	
	1 -	10" 3 way cable block 19.20		10	1.92	
	1 -	16" Double Cable Block 23.50		10	2.35	
	1 -	20" Double Sheave Line Block 29.75		10	2.97	
<u>Concrete Chutes</u>						
	30 -	2'-0" sections @ \$ 9.00	270.00	9.5	25.65	34.64
<u>Miscellaneous</u>						
	6 -	Picks 8.90 doz	4.45	10	.44	
	6 -	Pick Handles 4.70 doz	2.35	10	.23	
	3 -	10 Lb Sledges 2.04 ea	6.12	10	.61	
	2 -	Sledge Handles 3.70 doz	0.61	10	.06	
	5 -	pr Rubber Boots 22.50		10	2.25	
	6 -	Short Shovels 11.60 doz	5.80	10	.58	4.17
	6 -	3/4" x 20" Bolts 13.53(100)	0.81	10	.08	
	14 -	7/8" Turnbuckles 2.60 ea	36.40	10	3.64	3.72

OK
minutes

561

Detail of Equipment and Supplies Used on Valve
Installation Bridgeport Dam - North Conduit

<u>Item</u>	<u>Unit Price</u>	<u>Total Cost</u>	<u>% of Charge</u>	<u>Monthly Charge</u>	<u>Sub-Total</u>
<u>Special</u>					
200# 10" Lag Screws	13.60 (100)	27.20	10	2.72	
40 - 7/8" x 2'-0" Bolts	44.50 (100)	17.80	10	1.78	
40 - 7/8") G. Washers	40# @ 5.5¢	2.20	10	.22	
40 - 7/8" sleeve nuts	18.65	7.46	10	.74	5.46
<u>Pumps & Motors</u>					
1 - FM Self Oiling Typhoon Pump		129.00	7.20	9.08	
1 - 4 cyl 25 hp Waukesha Motor		485.00	6	29.10	38.18
1 - 4 x 6 FM DPPP Power Pump Open Type		352.00	7.2	25.34	
		<u>1,913.73</u>	<u>8.238</u>	<u>157.67</u>	

Recapitulation

<u>Item</u>	<u>Monthly Charge</u>	<u>Daily Charge</u>	<u>Days Chargeable</u>	<u>Amount</u>
Cable Clamps & Cable	39.47	1.316	10	\$ 13.16
Blocks & Concrete Chutes	34.64	1.155	10	11.55
Miscellaneous	3.72	0.124	10	1.24
Open Type Pump	25.34	0.845	10	8.45
Typhoon Pump & Motor	38.18	1.273	30	38.18
Rope & Winches	6.69	0.223	42	9.37
Miscellaneous	4.17	0.139	42	5.84
Special	5.46	0.182	42	7.64
	<u>\$ 157.67</u>			<u>\$ 95.43</u>

*OK
Merritt*

S.P.E.

April 30, 1932.

To Detail of Materials Purchased in Connection with
Valve Installation North Conduit - Bridgeport Dam

<u>Description</u>			<u>Amount</u>
6,217	Board Feet Lumber	\$ 267.35	
	Hauling	<u>17.00</u>	\$ 284.35
413	Lbs. Nails		16.75
1,326	Grain Bags for Coffe Dam		61.26
1	Milk Can for Water Purposes		2.35
1,002	L. Ft. Rope		36.00
36	3/4" Bull Dog Clamps		4.47
460	Bags Cement	301.28	
	Less Bags Returned @ \$ 0.10 each	<u>46.00</u>	255.28
410	Pounds Wire		18.70
361	Gallens Gasolene		36.10
15	Gallens Oil		7.20
14	Electric Lamps and 12 sockets		11.20
2	Rolls Roofing Paper		1.80
	6-1/4 Gallens paint		11.85 — Steens
350	Pounds Ice		1.40
38	Pcs. Special 4" Pipe Rollers		32.40
1	Special 8" Flange & Plain End Nipple)		
1 -	Special 6" Flange & Bell Nipple)		50.96 } Water Pump.
1	Special Valve, Flange, Bolts, Gaskets, etc. (Lump Sum Bid)		38.97
1	24" x 24" Grill		22.00
1	1 Sack Mixer Rental & Hauling from and to Dallas		43.90
69	Hours Company Truck @ \$ 0.85		58.64
	Miscellaneous Items, Bolts, Files, Gaskets, Wrenches, Brushes, Washers, Tin Cups, Buckets, etc., PER DETAIL		59.05
	Eagle Mountain Blacksmith Shop Charges 15 Hours @ \$ 1.50		<u>22.50</u>
			\$ 1,077.13 ✓

OS
McNab

Detail of Miscellaneous Charges in Connection with Valve Installation

North Conduit - Bridgeport Dam.

<u>Items</u>	<u>Amount</u>
Note Books	\$ 0.65
Pencils	.60
Rules & Tape	.60
Bolts, Pins & Washers	19.05
Files	3.65
Cups & Buckets	1.30
Wrench, Crank	2.00
Drill Bits	1.00
Brushes	1.50
Wrenches	9.50
Sand paper	.25
Broom	.65
Clevis	.25
Hoe	1.00
Level	1.50
Gate Block	4.00
Gaskets	2.00
Telephone Calls	8.60
Babbitt	.95
	<hr/>
Total	\$ 59.05



OK
McNitts

April 30, 1932.

Detail of Credits on Insurance in Connection with
Valve Installation - North Conduit - Bridgeport Dam

Trucks

Week Ending March 16, 1932.

1 - Truck 59 Hours @ \$ 0.75 \$ 44.25 @ \$ 12.53 \$ 5.54

Week Ending March 23, 1932.

1 - Truck 26 Hours @ \$ 2.10 54.60 @ \$ 12.53 6.84

1 - Truck 39 Hours @ \$ 0.75 29.25 @ \$ 12.53 3.66

Week Ending March 30, 1932

1 - Truck 32 Hours @ \$ 2.10 67.20 @ \$ 12.53 8.42

1 - Truck 29 Hours @ \$ 0.75 21.75 @ 12.53 2.72

Week Ending April 6, 1932

1 - Truck 38 Hours @ \$ 0.75 28.50 @ 12.53 3.57

Week Ending April 13, 1932

1 - Truck 46 Hours @ \$ 0.75 34.50 @ 12.53 4.32

\$ 35.07

Insurance Payable on 1/4 8.76

Credit on Truck Insurance \$ 26.31

Teams

Week Ending March 16, 1932

1 - Team 15 Hours @ \$ 0.70 10.50 @ 12.53 1.31

Week Ending April 6, 1932

1 - Team 14 Hours @ \$ 0.70 9.80 @ 12.53 1.23

Week Ending April 20, 1932.

1 - Team 7 Hours @ \$ 0.70 4.90 @ 12.53 .61

\$ 3.15

Insurance Payable on 1/2 1.58

Credit on Team Insurance \$ 1.57

MS
McNichols

April 30, 1932.

To Final Adjustment on Concrete Cylinder Breaks, broken since detail rendered on Estimate Number 19 as of August 31, 1931, Bridgeport Dam

* * *

Detail Previously Rendered:	256 Cylinders @ \$ 1.50	\$ 384.00
	Hauling 12,800# @ \$ 0.40 cwt	51.20
		<u>\$ 435.20</u>
Cylinders Broken in March	6 Cylinders @ \$ 1.50	\$ 9.00
Cylinders to be broken 5 years from date of pouring	5 Cylinders @ \$ 1.50	7.50
Hauling 11 Cylinders from Bridgeport To Fort Worth	550 Lbs. @ \$ 0.40 cwt 2.20	<u>18.70</u>
		\$ 453.90

Less Allowance per Contract

Page 19 Section J	\$ 25.000	
Less Paid On Estimate Number 19	<u>185.20</u>	<u>435.20</u>
Amount Due		\$ 18.70

250.00
25.000
185.20

S.G.E.

OK
McNichols

April 30, 1932.

To Tarrant County Water Control & Improvement District, Number One,
Capps Building,
Fort Worth, Texas.

in account with

McKenzie Construction Company,
& Uvalde Construction Company,
P. O. Box 1869,
Fort Worth, Tex.

To Pipe Guard Rail Fence Installation on the
Downstream Walls of the Conduit Section,
Bridgeport Dam.

210 L. Ft. @ \$ 1.70

\$ 357.00

OK
McKenzie

JOHN B. HAWLEY
S. W. FREESE
M. C. NICHOLS
A. H. WOOLVERTON
H. A. HUNTER

"EXHIBIT D" 6/9/32 - 3 P.M.

WATER SUPPLY
WATER PURIFICATION
SEWERAGE
SEWAGE TREATMENT
FLOOD CONTROL
APPRAISALS

HAWLEY, FREESE AND NICHOLS
CONSULTING ENGINEERS
407-410 CAPPS BUILDING
FORT WORTH, TEXAS

June 8, 1932

Honorable the Board of Directors,
Tarrant County Water Control and
Improvement District Number One,
Fort Worth, Texas.

Gentlemen:

Attached hereto please find
Estimate No. 33 for \$4,481.54 in favor of
ourselves.

Please authorize payment of
\$1500.00 on account to us.

Respectfully submitted,

HAWLEY and FREESE

By *S. W. Freese*

JOHN B. HAWLEY
S. W. FREESE
M. C. NICHOLS
A. H. WOOLVERTON
H. A. HUNTER

WATER SUPPLY
WATER PURIFICATION
SEWERAGE
SEWAGE TREATMENT
FLOOD CONTROL
APPRAISALS

HAWLEY, FREESE AND NICHOLS
CONSULTING ENGINEERS
407-410 CAPPS BUILDING
FORT WORTH, TEXAS

June 8, 1932

TARRANT COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT NUMBER ONE

In Account With

HAWLEY and FREESE

Estimated Cost - Construction & Lands

Eagle Mountain Dam	\$2,646,703.02 ✓	
Bridgeport Dam	1,568,938.06 ✓	
Lands	1,313,467.02 ✓	
Levees	250,000.00 ✓	
Rock Island Ry.	128,500.00 ✓	
Tarrant County Roads	50,000.00 ✓	
Wise County Roads	45,000.00 ✓	
Jack County Roads	5,000.00 ✓	
Texas Pipe Line Company	25,000.00 ✓	
Telephone & Power Lines	8,210.00 ✓	
	<u>6,040,818.10</u> @ $2\frac{1}{2}\%$	\$151,020.45 ✓

Completed Work

Eagle Mountain	2,436,355.19 ✓	
Bridgeport	1,534,333.07 ✓	
Lands	1,313,156.02 ✓	
Wise County Roads	45,000.00 ✓	
Texas Pipe Line Company	25,000.00 ✓	
Telephone & Power Lines	4,210.00 ✓	
	<u>5,358,054.28</u> @ 2 %	107,161.09 ✓

Total Engineering to Date

258,181.54 ✓

Amount Paid to Date

253,700.00 ✓

Balance

\$ 4,481.54 ✓

OK
[Signature]