

STATE OF DELAWARE
STATE HIGHWAY DEPARTMENT
DELAWARE CROSSING DIVISION
FIFTH ANNUAL REPORT
JANUARY 1953

January 22, 1953

Honorable J. Caleb Boggs
Governor of Delaware
Dover, Delaware

Dear Governor Boggs:

In accordance with the Act authorizing the State Highway Department to construct a crossing over the Delaware River, the Annual Report of the activities of the Department in connection with the construction of The Delaware Memorial Bridge is respectfully submitted.

Very truly yours,
STATE HIGHWAY DEPARTMENT
Samuel N. Culver
Chairman

State of Delaware
State Highway Department
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The construction of the Delaware Memorial Bridge was continued during the year 1952 and consisted largely of completion of contracts which did not delay the opening of the Bridge for traffic. It is anticipated that all construction work on the Delaware Memorial Bridge should be completed during the calendar year 1953.

CONTRACT NO. 8—Field Painting

At the beginning of the year the work on this contract was approximately 60% complete. Due to bad winter weather work was discontinued under this contract and did not start again until March 17. The remaining painting was all below roadway level and inside the towers.

The work inside the towers progressed very slowly due to poor ventilation and excessive heat and fumes, but work was essentially completed in mid-September.

Buffalo Sheeting & Painting Company of Buffalo, New York is the Contractor.

CONTRACT NO. 9—Fenders

The work under this contract which is the fenders on the two main tower piers has been under contract to Merritt-Chapman & Scott Corporation of New York City since August 1951, but due to the shortage of structural steel still has not been started. The work definitely will start in January 1953.

CONTRACT NO. 10—Electrical Installations

At the beginning of the year the work of this contract was about 30% complete. Work continued at a comparatively slow pace due to shortage of critical materials, in fact, delivery of light standards was in May and power cable for the Toll Plaza not until July.

The bridge roadway lighting was put into service on June 17th and all work under the original contract was com-

pleted about August 1st. A very small crew put in part time on the job completing items of extra work until the first part of December when all work was completed.

Garrett, Miller and Company of Wilmington was the Contractor.

CONTRACT NO. 11—Tower Elevators

At the beginning of the year work on this contract was about 90% complete. The remainder of the work was continued after electric power was available under Contract No. 10 and was completed in November.

The Contractor was The Otis Elevator Company.

CONTRACT NO. 13—East Approach Paving

This contract was essentially completed shortly after the bridge opened to traffic in 1951, but was held open for some items of extra work. The construction of the Deep-water Interchange upset the natural drainage in the general area and left the homes on Canal Street adjacent to the bridge approach surrounded by water so some quite extensive drainage work was done by the Contractor, Newark Construction Company of Newark, Delaware. This work was completed in March and the contract was closed out soon after.

CONTRACT NO. 18—New Castle Interchange Ramps and Toll Plaza Modifications

Bids for this contract were received on April 2, 1952 and an award made to James Julian of Wilmington at an estimated cost of \$140,524.00. Construction started on April 29th and was essentially completed on November 13th. A considerable amount of extra work was done under this contract, the largest item being slope restoration along the West Approach.

CONTRACT NO. 19—Administration Building and Toll Facilities

This contract was essentially completed in 1951, but due to controlled materials some items of toll collection equipment were not delivered until this year.

Early this year an extra work order was issued to the Contractor, Cantera Construction Company, to install air-conditioning in the Administration Building. This was com-

pleted in September and the contract was closed out in October.

CONTRACT NO. 20—Maintenance Building and Additional Toll Plaza Facilities

Bids for this contract were received on April 2, 1952 and an award made to the Cantera Construction Company of Wilmington at an estimated cost of \$214,913.00. Construction started May 13 and was essentially completed on December 12. This contract is being held open for various items of extra work which will carry over well into 1953.

CONTRACT NO. 22—Planting Operations (Part I)

Bids were received on this contract on February 26, 1952 and an award made to David Bachtle of Mendenhall, Pennsylvania at an estimated cost of \$26,409.00. Work was started on March 24, 1952 and would have been completed by June 15th but due to extremely dry conditions some planting was postponed until fall so work was not entirely completed until December 24, 1952.

CONTRACT NO. 23—Planting Operations (Part II)

Bids were received on August 20, 1952 and an award made to W. Southard Jones of Newark, Delaware for an estimated cost of \$25,541.00.

Due to extremely dry conditions work was postponed for some time and was not started until October 22, 1952. At the year's end the work was about 65% complete.

CONTRACT NO. 24—Right of Way Fence

Bids were received on this contract September 3, 1952 and an award was made to the Pioneer Fence Company, Newport, Delaware at an estimated cost of \$11,262.00. Construction was started on October 17th. Some difficulties were encountered due to extremely dry and hard ground and the contractor was delayed somewhat in obtaining galvanized materials. At the end of the year, the contract was about 90% complete, and there was still some extra work to be done at the Toll Plaza.

CONTRACT NO. 27—Addition to Administration Building

Bids were received for this addition on November 25, 1952. Two bids were received and were considered to be too high so both were rejected.

**FUTURE CONTRACTS:
CONTRACT NO. 26—New Castle Interchange Lighting**

Bids will be received on February 2, 1953. This contract is for complete lighting of the New Castle Interchange.

DELAWARE-NEW JERSEY FERRY COMPANY

On January 25, 1952, The 116th General Assembly, in Special Session, passed, and the Governor approved, Legislation authorizing additional Bonds in the amount of \$2,500,000. The Bonds were issued for the purpose of paying a Condemnation Commission Award made to the Delaware-New Jersey Ferry Company. The Ferry Company was paid on February 29th, 1952 and the State acquired the Ferry Property at New Castle, Delaware, along with all ferryboats and certain physical assets listed in the Condemnation proceedings. Public bids were received for the sale of the Ferry Vessels and were accepted on all vessels except the ferryboat "Florida".

The bid received for the "Florida" was \$17,525.00. This bid was rejected by the Department and the "Florida" was later sold to the State of Virginia for \$150,000.00.

The State of Delaware acquired the lands of the Delaware-New Jersey Ferry Company for use of its State Highway Department along with the ferry office building and the ferry stock room and machinery shed. All other physical assets of the ferry company were liquidated by public sale.

The proceeds from the sale of ferryboats and barges amounted to \$601,631.01, while the proceeds from the sale of lands, buildings and equipment amounted to \$22,545.00 making a total of \$624,176.01. This amount was credited to the Construction Fund in accordance with the provisions of the Trust Indenture.

FINANCIAL STATEMENT

Attached is the Financial Statement of the Crossing Division as of January 1, 1953.

Respectfully submitted,
SAMUEL N. CULVER, Chairman
State Highway Department

BALANCE SHEET
DELAWARE MEMORIAL BRIDGE
DELAWARE CROSSING DIVISION
As of January 1, 1953

(Exhibit A)

ASSETS	
CURRENT ASSETS	
Equitable Trust Company (Trustee)	\$ 2,260,214.81
Investments (Cost Value)	\$2,023,960.91
Cash	236,253.90
Delaware Memorial Bridge Revolving Fund	197,406.09
TOTAL CURRENT ASSETS	\$ 2,457,620.90
CAPITAL ASSETS	
Construction Cost in Progress	46,112,115.76
TOTAL ASSETS	\$48,569,736.66
LIABILITIES AND CAPITAL	
CAPITAL LIABILITIES	
Bonded Debt and Authorization	\$46,400,000.00
CAPITAL	
Profit on Sale of Bonds	\$ 473,000.00
Receipts from Utilities	12,471.10
Receipts from Miscellaneous Sources	345.47
Proceeds from Sale of Ferry Boats and Barges	601,631.01
Proceeds from Sale of Land, Buildings and Equipment	22,545.00
Trustee's Income Account (Earnings Net)	23,102.59
Earnings Transferred to Principal Account	1,036,641.49
TOTAL CAPITAL	2,169,736.66
TOTAL LIABILITIES AND CAPITAL	\$48,569,736.66
NOTE: Contractual Liability	
	\$ 437,559.10

CONSTRUCTION COST IN PROGRESS STATEMENT

DELAWARE MEMORIAL BRIDGE

DELAWARE CROSSING DIVISION

As of January 1, 1953

(Exhibit B)

	Previous Transactions	Month of December Transactions	Totals To Date
DISBURSEMENTS AND OTHER DEBITS			
SALARIES AND WAGES			
Salary of Director	\$ 37,499.94	\$ —	\$ 37,499.94
Engineering Services			
Howard, Needles, Tammen & Bergendoff	2,110,340.65	115.20	2,110,455.85
Aero Service Corporation	3,770.00	—	3,770.00
Coverdale and Colpitts	19,000.00	—	19,000.00
The Haller Testing Lab., Inc.	14,987.92	—	14,987.92
Pittsburgh Testing Lab., Inc.	35,936.51	—	35,936.51
Standard Testing Lab., Inc.	10.00	—	10.00
Delaware State Highway Dept.	3,585.00	—	3,585.00
E. I. duPont de Nemours Co.	11,020.25	—	11,020.25
Spragne & Henwood, Inc.	1,724.00	—	1,724.00
Raymond Concrete Pile Company ...	742.50	—	742.50
J. A. Bader & Co.	—	75.00	75.00
Legal Fees	140,801.99	500.00	141,301.99
Accountant Fees	12,265.00	—	12,265.00
Appraiser Fees	17,445.80	—	17,445.80
Ship Broker Fees	38,551.63	—	38,551.63
Auctioneer Fees	768.15	—	768.15
Equitable Trust Company (Trustee) ..	123,626.07	2,088.98	125,715.05
Public Relations Fees	499.98	—	499.98
Miscellaneous	83,757.26	1,023.39	84,780.65
TOTAL SALARIES AND WAGES	\$ 2,656,332.65	\$ 3,802.57	\$ 2,660,135.22
OFFICE EXPENSE	\$ 73,421.91	\$ 4,395.81	\$ 77,817.72
TRAVEL—Less Refunds	\$ 2,798.90	\$ (200.00)	\$ 2,598.90
OPERATION	\$ 35,543.65	\$ 1,647.80	\$ 37,191.45
REPAIRS & REPLACEMENTS	\$ 17,292.04	\$ 485.45	\$ 17,777.49
EQUIPMENT	\$ 158,843.51	\$ --	\$ 158,843.51
OTHER COSTS			
Interest on Bond Issue	\$ 4,800,000.00	\$ —	\$ 4,800,000.00
Acquisition of Property	267,051.83	—	267,051.83
Contracts	35,292,336.54	56,637.21	35,348,973.75
Condemnation Award to Delaware- New Jersey Ferry Company	2,500,000.00	—	2,500,000.00
Insurance	241,725.89	—	241,725.89
TOTAL OTHER COSTS	\$43,101,114.26	\$56,637.21	\$43,167,751.47
TOTAL CONSTRUCTION COST TO DATE	\$46,045,346.92	\$66,968.84	\$46,112,115.76

() Denotes Deduction.

STATEMENT OF UNFINISHED CONTRACTS
DELAWARE MEMORIAL BRIDGE
DELAWARE CROSSING DIVISION
As of January 1, 1953

(Exhibit C)

Contract Number		Contract Amount	Payments	Balance Outstanding
None	Pittsburgh Testing Lab.	\$ 27,196.00	\$ 27,196.00	\$ —
	Extra Work Orders	940.51	940.51	—
	Allowance for Delayed Inspection ...	7,800.00	7,800.00	—
None	The Haller Testing Lab., Inc.	20,100.00	14,987.92	5,112.08
8	Buffalo Sheeting & Painting Co. ...	338,324.00	290,347.02	47,976.98
	Recondition Shop Coat	36,474.00	32,498.33	3,975.67
9	Merritt-Chapman & Scott Corp.	298,880.00	—	298,880.00
11	Otis Elevator Company	82,985.00	26,717.85	6,267.15
18	James Julian	140,899.10	126,809.19	14,089.91
	Additional	13,604.70	12,244.23	1,360.47
	Extra Work Order #1	10,560.41	9,504.37	1,056.04
	Extra Work Order #2	8,745.81	7,871.22	874.59
	Extra Work Order #3	748.23	673.41	74.82
	Extra Work Orders #5, #6, #7 ...	3,763.01	3,386.71	376.30
20	Cantera Construction Co.	214,913.00	191,104.98	23,808.02
	Extra Work Orders #1 to #5 ...	15,262.17	8,474.78	6,787.39
22	David Bachtle	26,408.53	22,677.74	3,730.79
23	W. Southard Jones	25,540.60	4,701.82	20,838.78
24	Pioneer Fence Company	11,262.00	8,911.89	2,350.11
TOTALS		\$1,234,407.07	\$796,847.97	\$437,559.10

STATEMENT OF FINISHED CONTRACTS
DELAWARE MEMORIAL BRIDGE
DELAWARE CROSSING DIVISION

As of January 1, 1953

(Exhibit D)

Contract Number		Contract Amount	Payments	Underrun or Overrun*
1	Sprague & Benwood	\$ 33,400.00	\$ 33,206.28	\$ 193.72
2	Merritt-Chapman & Scott Corp.	11,494,586.00	11,598,592.71	104,006.71*
	Extra Work Orders #1 to #8	62,814.42	62,814.42	—
3A	Merritt-Chapman & Scott Corp.	1,291,340.00	1,223,394.60	67,945.40
	Extra Work Order #1	402.26	402.26	—
3B	The Conduit & Foundation Corp.	609,520.00	582,175.00	27,345.00
	Extra Work Orders #1 & #2	431.39	431.39	—
3C	Lewis & Bowman	709,650.00	697,406.63	12,243.37
	Extra Work Orders #1 to #7	154,151.50	154,151.50	—
	Claim for Delay to Contract Work	10,000.00	10,000.00	—
3D	Merritt-Chapman & Scott Corp.	1,830,000.00	1,854,638.10	24,638.10*
	Extra Work Orders #1 & #2	2,308.32	2,308.32	—
4	The American Bridge Company	6,119,390.00	6,185,260.75	65,960.75*
	Extra Work Orders #1 to #4	90,889.00	90,889.00	—
	Allowance for Overtime	132,774.21	132,774.21	—
5	The American Bridge Company	2,311,985.00	2,288,056.37	23,928.63
	Extra Work Order #1	316.00	316.00	—
6	The American Bridge Company	5,299,805.00	5,231,878.47	67,926.53
	Extra Work Orders #1 to #3	64,748.63	64,748.63	—
7A	Lewis & Bowman	1,132,550.00	1,144,419.94	11,869.94*
	Allowance for Material & Overtime	75,937.70	75,937.70	—
	Extra Work Orders #1 to #6	13,540.86	13,540.86	—
7B	Whiting Turner Contracting Co.	1,043,329.00	1,055,334.92	12,605.92*
	Allowance for Material & Overtime	96,336.14	96,336.14	—
	Delay in Contract Work	6,284.00	6,284.00	—
	Extra Work Order #1	620.00	620.00	—
10	Garrett Miller & Co.	249,133.00	249,133.00	—
	Extra Work Orders #1 to #3	51,760.12	51,760.12	—
12	Henry C. Eastburn	56,210.00	55,125.64	1,084.36
13	Newark Construction Co.	243,368.75	325,717.09	82,348.25*
	Extra Work Orders #1 to #4	37,150.86	37,150.86	—
	Allowance for Reinforcements	307.91	307.91	—
14	Henry C. Eastburn	134,101.00	147,116.02	13,015.02*
	Extra Work Orders #1 to #3	1,178.26	1,178.26	—
15	James Julian	322,602.40	341,190.29	18,587.89*
	Extra Work Orders #1 to #3	4,893.75	4,893.75	—
16	The Conduit & Foundation Corp.	194,455.00	201,798.25	7,343.25*
	Pre-Excavation for Piles	2,640.00	2,640.00	—
	Extension to Drainage System	288.82	288.82	—
17	Thomas Earle & Sons	57,004.00	56,370.00	634.00
	Extra Work Order #1	6,030.69	6,030.69	—
19	Cantera Construction Co.	278,445.00	278,452.32	7.32*
	Extra Work Orders #1 to #8	101,873.81	101,873.81	—
21	Citro & Sons, Inc.	22,500.00	21,965.06	534.94
None	E. I. duPont de Nemours Co.	32,000.00	31,450.50	549.50
None	Delaware Power & Light Co.	4,882.98	4,882.98	—
None	Deepwater Light & Power Co.	51,263.54	51,263.54	—
None	Atlantic City Electric Co.	6,391.14	6,391.14	—
None	A. Clemente, Inc.	993.65	993.65	—
None	Wilson Line	900.00	900.00	—
None	Delaware-New Jersey Ferry Co.	15,624.05	15,624.05	—
None	Henry C. Eastburn & Son	2,054.85	2,054.35	—
TOTALS		\$34,464,952.51	\$34,603,050.21	\$138,097.70*