MINUTES OF THE REGULAR MEETING
OF THE MEMBERS OF THE
CAPE MAY COUNTY BRIDGE COMMISSION

February 13, 2020

The regular meeting of the members of the Cape May County Bridge Commission was held on the thirteenth day of February 2020 in the County Administration Building, Cape May Court House, New Jersey.

The meeting was called to order by Chairman Carol Brand with the announcement that the meeting was being conducted pursuant to the requirements of the "Open Public Meeting Act."

Mrs. Brand then led everyone in the Pledge of Allegiance.

The following answered "present" as their names were called:

Carol Brand, Chairman
Scott Halliday, Vice Chairman
Maryanne K. Murphy, Secretary/Treasurer

Also present were Karen Coughlin, Executive Director, Lewis Donofrio, Commission Engineer and Marc Karavan, Commission Counsel.

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Ms. Coughlin reported the cash analysis/traffic for the month of January 2020, which indicated an increase in revenue in the amount of $31,352 compared to January 2019. The Ocean City-Longport Bridge had an increase in revenue by $2,352. The revenue at Townsends Inlet Bridge was up compared to the previous year by $15,715. The Middle Thorofare Bridge had an increase of $10,029 in revenue. The Corsons Inlet Bridge showed an increase in revenue by $3,255. The Grassy Sound Bridge was closed for the season.

There were 1,653 tickets used in the month at the bridges. The E-ZPass percentage rate was 79%, up from January 2018 at 74%.

For the month of December, the revenue at each bridge was as follows: Ocean City-Longport - $42,855; Middle Thorofare - $37,605; Corsons Inlet - $10,646; Townsends Inlet - $15,715; Grassy Sound - $0. The total revenue for the month for all bridges was $106,821. These figures reflect an increase of $31,352 for the current fiscal year over 2019.

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The next topic of the meeting was the resolutions.

The following resolution numbers 20-3365 through 20-3367 were part of the Consent Agenda:

RESOLUTION AUTHORIZING THE CHAIRMAN TO SIGN THE OFFICER'S CERTIFICATE

BE IT RESOLVED, by the **CAPE MAY COUNTY BRIDGE COMMISSION,** that the Chairman be and is hereby authorized to sign the Officer's Certificate certifying that all expenditures made by the Commission from the Operating Fund during January 2020 were for operating expenses and were in accordance with the terms of the annual budget.

BE IT FURTHER RESOLVED, that said certification be filed with the Trustee, in accordance with Article V, Section 505, item (3), of the General Bond Resolution adopted December 11, 1990.

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RESOLUTION CERTIFYING MONTHLY DEPOSITS IN THE REVENUE ACCOUNT FOR JANUARY 2020

BE IT RESOLVED, by the **CAPE MAY COUNTY BRIDGE COMMISSION ,** that the revenue deposited, prior to full reconciliation, in our in-house revenue account at the Sturdy Savings Bank, located in Cape May Court House, New Jersey, amounted to $176,754.97 for the month of January 2020.

BE IT FURTHER RESOLVED, that said Resolution be filed with the Trustee, in accordance with Article V, Section 503, of the General Bond Resolution adopted December 11, 1990.

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RESOLUTION APPROVING A CEILING AMOUNT FOR HEALTH BENEFITS AND PAYROLL EXPENSES IN BETWEEN BRIDGE COMMISSION MEETINGS

WHEREAS, the Cape May County Bridge Commission (hereinafter referred to as "Commission") must approve the payment of Health Benefits for its active and retired employees in addition to all payroll expenses for periods in between Commission meetings; and

WHEREAS, the precise amount of this payment is not known until after the Commission meeting each month and cannot wait until the subsequent monthly meeting; and

WHEREAS, the most practical solution to this problem is to allow the Commission to endorse and approve payment for these items at a ceiling amount, and be informed of the precise amount at the following monthly meeting;

NOW, THEREFORE, BE IT RESOLVED, that the **CAPE MAY COUNTY BRIDGE COMMISSION,** hereby approves payment for Health Benefits for Retirees not to exceed $40,000, payment for Health Benefits for Active Employees not to exceed $30,000, and monthly payroll expenses not to exceed $300,000.

BE IT FURTHER RESOLVED, that the Commission acknowledges that the precise amount of the payment will be recorded on next month's bill list.

Resolutions 20-3365 through 20-3367 were moved by Mrs. Murphy, seconded by Mr. Halliday, and unanimously approved.

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RESOLUTION CLOSING THE CONTRACT AND ACCEPTING THE WORK OF THOMAS BARRY MARINE CONSTRUCTION, INC. FOR 2019 EMERGENCY RAILING REPAIRS AT MIDDLE THOROFARE BRIDGE

WHEREAS, under Resolution No. 19-3331 the Commission entered into a contract with **THOMAS BARRY MARINE CONSTRUCTION, INC.**, South Dennis, New Jersey, for 2019 Emergency Railing Repairs at Middle Thorofare Bridge; and

WHEREAS, THOMAS BARRY MARINE CONSTRUCTION, INC. has satisfactorily completed the work under the contract for 2019 Emergency Railing Repairs at Middle Thorofare Bridge; and

WHEREAS, a final payment was made to **THOMAS BARRY MARINE CONSTRUCTION, INC.** in the amount of **$6,710.48** for work under this contract.

NOW, THEREFORE, BE IT RESOLVED by the Cape May County Bridge Commission that the work for the said contract of **THOMAS BARRY MARINE CONSTRUCTION, INC.** be and is hereby accepted and that final payment in the amount of **$6,710.48** was made thereon January 29, 2020 from the County's Bond Fund.

BE IT FURTHER RESOLVED, by the Cape May County Bridge Commission that the contract for 2019 Emergency Railing Repairs at Middle Thorofare Bridge with **THOMAS BARRY MARINE CONSTRUCTION, INC.** be and is hereby closed.

Resolution 20-3368 was moved by Mrs. Murphy, seconded by Mr. Halliday, and unanimously approved.

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RESOLUTION CLOSING THE CONTRACT AND ACCEPTING THE WORK OF THOMAS BARRY MARINE CONSTRUCTION, INC. FOR 2019 EMERGENCY PIER 10 REPAIRS AT MIDDLE THOROFARE BRIDGE

WHEREAS, under Resolution No. 19-3331 the Commission entered into a contract with **THOMAS BARRY MARINE CONSTRUCTION, INC.**, South Dennis, New Jersey, for 2019 Emergency Repairs at Pier 10 - Middle Thorofare Bridge; and

WHEREAS, THOMAS BARRY MARINE CONSTRUCTION, INC. has satisfactorily completed the work under the contract for 2019 Emergency Repairs at Pier 10 - Middle Thorofare Bridge; and

WHEREAS, a final payment was made to **THOMAS BARRY MARINE CONSTRUCTION, INC.** in the amount of **$14,464.09** for work under this contract.

NOW, THEREFORE, BE IT RESOLVED by the Cape May County Bridge Commission that the work for the said contract of **THOMAS BARRY MARINE CONSTRUCTION, INC.** be and is hereby accepted and that final payment in the amount of **$14,464.09** was made thereon January 29, 2020 from the County's Bond Fund.

BE IT FURTHER RESOLVED, by the Cape May County Bridge Commission that the contract for 2019 Emergency Repairs at Pier 10 - Middle Thorofare Bridge with **THOMAS BARRY MARINE CONSTRUCTION, INC.** be and is hereby closed.

Resolution 20-3369 was moved by Mrs. Murphy, seconded by Mr. Halliday, and unanimously approved.

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RESOLUTION AUTHORIZING THE ADVERTISEMENT FOR BIDS FOR 2020 MISCELLANEOUS PRIORITY BRIDGE REPAIRS

WHEREAS, the Commission bridges were recently inspected under the National Bridge Inspection Standards (NBIS) program, and reports have identified priority repairs necessary on various safety walks, concrete, railings and miscellaneous structural steel repairs; and

WHEREAS, rehabilitation is necessary to impede further deterioration, preserve the structural integrity of the bridges, improve safety and extend their useful life; and

WHEREAS, it is the desire of the Commission to authorize the Contracting Agent to advertise and take sealed bids for the 2020 Miscellaneous Priority Bridge Repairs project;

NOW, THEREFORE, BE IT RESOLVED, that the Commission authorizes the Contracting Agent to advertise for the receipt of bids for 2020 Miscellaneous Priority Bridge Repairs, said advertisement to appear in The Herald Newspaper and/or The Press of Atlantic City.

Resolution 20-3370 was moved by Mrs. Murphy, seconded by Mr. Halliday, and unanimously approved.

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RESOLUTION AUTHORIZING THE USE OF COMPETITIVE CONTRACTING FOR 2020 ELECTRICAL ENGINEERING SERVICES FOR MOVABLE BRIDGES

WHEREAS, the Cape May County Bridge Commission is in need of Electrical Engineering Services for Movable Bridges on an as-needed basis; and

WHEREAS, Local Public Contracts Law N.J.S.A. 40A:11-4.3a requires the governing body to pass a resolution authorizing the use of competitive contracting each time specialized goods or services are desired to be contracted; and

WHEREAS, competitive contracting may be used in lieu of public bidding pursuant to N.J.S.A. 40A:11-4.1(3)i; and

WHEREAS, professional services are exempt from bidding as a professional service pursuant to N.J.S.A. 40A:11-5(1)(a)(i)

NOW, THEREFORE, BE IT RESOLVED, by the **CAPE MAY COUNTY BRIDGE COMMISSION** that the Commission hereby authorizes the use of competitive contracting for 2020 Electrical Engineering Services for Movable Bridges on an as-needed basis.

Resolution 20-3371 was moved by Mrs. Murphy, seconded by Mr. Halliday, and unanimously approved.

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Update on Capital Projects:

Mr. Donofrio provided his report on capital improvement projects for the month to the Commissioners. A copy of the report is attached to the minutes.

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There was no correspondence to discuss.

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There was no old business to discuss.

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For new business, Ms. Coughlin informed the Commissioners that she passed the State exam for Qualified Purchasing Agent and is now a certified QPA.

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There was no need for an Executive Session.

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There were no public comments.

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A motion to pay the bills was moved by Mrs. Murphy, seconded by Mr. Halliday and unanimously approved.

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A motion to adjourn was moved by Mrs. Murphy, seconded by Mr. Halliday, and unanimously approved.

Respectfully submitted,

Karen Coughlin

Karen Coughlin, Executive Director

CAPE MAY COUNTY BRIDGE COMMISSION

Carol Brand, *Chairman*
Scott Halliday, *Vice-Chairman*
Maryanne K. Murphy, *Secretary/Treasurer*

Karen Coughlin, *Executive Director*
Lewis T. Donofrio, Jr., PE, *Chief Engineer*

Memorandum

DATE: February 13, 2020

TO: Carol Brand, Chairman
Scott Halliday, Vice-Chairman
Maryanne K. Murphy, Secretary/Treasurer

CC: Karen Coughlin, Executive Director, CMC Bridge Commission

FROM: Lewis T. Donofrio Jr., P.E., Chief Engineer, CMC Bridge Commission LTD e-sign

RE: Monthly Engineer's Report February 2020

E-Z Pass System:

- System operation has been stable for the past few months.

Townsends Inlet Bridge:

- *Submarine Cable Replacement:* Field commissioning was completed on 2/3/2020 verifying functionality of the new submarine cables. Delta Line Construction still has to complete repairs to the fender system H-piles damaged during cable installation. In addition, in water cable shields need to be installed and final burial depth needs to be achieved. The NJDEP and Army Corp of Engineer's in water sediment disruption restriction goes into effect from March 1 through June 30th . DLC has submitted a draft recovery schedule which is under review. Although the new submarine cables have been in operation since December 2019, the contractor has not been issued Substantial Completion to date and DLC is still responsible for maintaining the cables.
- *Spans 1-7 Replacement:* Agate Construction was issued substantial completion in December effective date 11/14/19. The interpretive sign was installed in January 2020 at the south approach toll collector parking lot area. Construction engineering consultant RVE has issued the Final Punchlist to Agate Construction dated 1/16/2020 and will oversee punchlist fieldwork. RVE has also begun evaluating Agate's 4 claims submitted in November 2019. The County Engineer and County Law Department will be lead on the claim resolution process.
- *Pier 13 Substructure Repairs:* The County Engineer's office closed out JPC's construction contract at the 1/29/2020 Freeholder Meeting.
- *Atlantic City Electric (ACE) Transformer Failure:* The Commission's on-call/staff augmentation engineer, RVE, has prepared a full set of plans and specification for bidding the electrical grounding repairs at the bridge. These documents are currently under review. After receiving 2 quotations with vague language on the work, the decision was made to have RVE prepare a formal contract plan set. A funding source from existing bonds or requested 2020 bonding will need to be utilized to cover project cost which is currently budgeted at under $200,000.

Phone (609) 465-7806
Fax (609) 465-1418

4 Moore Road, DN 3010
Cape May Court House, NJ

Grassy Sound Bridge:

- *Submarine Cable Replacement:* Field commissioning was completed on 2/3/2020 verifying functionality of the new submarine cables. Similar to Townsends Inlet, the in-water cable shields need to be installed and final burial depth needs to be achieved. See Townsends Inlet notes above.
- *Maintenance:* Currently the machinery brake thruster motor has been removed and the brake is set. The bridge is under a 2 hour call out per our Federal Operating requirements and requires 2 people to perform the opening operation. Fortunately boat opening requests are very infrequent this time of year. County T&E department has obtained quotes for an updated replacement brake, which is being evaluated for fit-up on the existing pedestal.
- *Old Garage and Carpenter Shop Buildings:* In October 2019 Middle Township inquired about the status of these old buildings and requesting the County demolish the structures. We requested the County surveyor to research the ownership of the buildings, Right of Way limits, and deed information. The buildings were former storage garage and carpentry shop for the Bridge Commission likely constructed in the 1940's with the bridge. In December 1946 the Commission deeded over several roadways (now County Rt 619) to the County however the Commission retained title to the structures. The Commission no longer has any need for the buildings at this time. The structures pre-date the 1970 Wetland Act and therefore the footprint should be preserved for future use which the County Surveyor is in agreement. I am recommending the demolition of the structurers and covering the area with stones to create parking for commission employee's and contractor staging use during construction projects.
- *Stone Harbor Vol. Fire Company Permit Request* : On 2/10/2020 the Commission and County received a letter from Chief Roger Stanford requesting permission to be able to use Grassy Sound Bridge & Great Channel Bridge for mutual aid response to North Wildwood. The fire company has not been able to use the bridge for several years due to current load posting and advancement of steel deterioration. Their recently purchased engine is significantly lighter (16.2 Tons) as opposed to other engines at about 22 tons. Both bridges are load posted at 15 Tons. We will work with our consultant, Michael Baker International, in evaluating the request. As a matter of full disclosure, I am a active member of the SHFD serving in my 30th year.

Middle Thorofare Bridge:

- *2019 Middle Thorofare Bridge Rehabilitation:* An internal meeting was held between the County and Commission on 1/10/2020 to work out the General Conditions section of the Construction Contract. County Law Department is reviewing, along with the Commission, and County Purchasing to ensure consistency and clarity in the final contract document package. The review of the General Conditions section coordinates NJDOT's standard contract language used for road & bridge construction projects with County and Commission general contract requirements. Review should be completed in about 2 weeks. Re-advertisement is anticipated in March 2020. The bulk of the work will have to be started in September 2020.
- *Ocean Drive (CR621) Concept Development:* The NJDOT Value Engineering workshop was held January 6th, 7th, and 8th of 2020. We are still awaiting NJDOT's

recommendations which are due this month. This is the final phase to get the Local Concept development report approved by NJDOT then move onto preliminary engineering phase which is scheduled to begin this year. SJTPO has forwarded information on Infrastructure for Rebuilding America (INFRA) grant program from FHWA as another possible funding source. On 2/13/2020 we received notice that this project will be one of the featured projects at the May 20, 2020 NJDOT Design Summit. The Summit is sponsored by FHWA, NJDOT, and American Council of Engineering Companies (AEEC) and will be positive exposure for the project.

- *Vessel Allision: FV- OCEANS PRIDE struck pier 10 (8/16/19):* Thomas Barry Marine Construction has completed all work and the closeout resolution is being presented this meeting. The replacement of the damaged concrete and ladder will be completed during the Rehabilitation Project. The insurance claim is being coordinated with Marine Safety Consultants, Inc., Farehaven, MA.
- *Motor Vehicle Accident Span 13 Rail Damage (7/31/19):* Thomas Barry Marine Construction has completed all work and the closeout resolution is being presented this meeting.

<u>Corsons Inlet Bridge:</u>

- *Bascule Trunnion Columns and Span 32 Deck Rehabilitation:* A meeting was held at the Michael Baker International's office in Hamilton, NJ. on 2/7/2020 to discuss project status and design efforts needed to complete the contract documents for bidding. MBI's proposed contract modification is due tomorrow, from which a recommendation will be advanced to the County Engineer and County Administrator for Freeholder action. This project addresses two long standing Priority 1 repairs at the bridge. Full depth deck replacement at Span 32 and bascule span support column rehabilitation. Construction work would be scheduled from September 2020 through April 2021 and involve single lane alternating traffic and some limited road closures.
- *Slow Speed/ No Wake Signage:* A request was received from the Strathmere Fishing and Environmental Club about 2 years ago to install signage on the bridge in an effort to slow down jet skiers and boats in the area from the bridge to the Strathmere boat ramp. In November and December 2019 we researched the sign criteria and waterway regulations. The result of this led to the recommendation, which was presented verbally to the Commissioners at a meeting, to install signage at Pier 30 (bascule rest pier) which follows NJDEP Bureau of Coastal Engineering's recommended language. "SLOW SPEED/NO WAKE". The sign will be made and installed by the County's Public Works Department in the spring.

<u>2019-20 NBIS Biennial Inspections</u>

- Engineering Consultant Michael Baker International (MBI) has completed the field inspection at the 4 lower bridges, including the underwater dive inspections and the mechanical/electrical inspections at all 4 lower bridges. MBI is in the process of writing the preliminary reports, which Corsons Inlet was received last week, and the balance of the reports are to be submitted between now and the end of April 2020. Ocean City Longport Bridge and the OC Fishing pier inspections are scheduled for October 2020.

- *2020 Miscellaneous Priority Bridge Repairs:* We have directed staff augmentation engineer, RVE, to prepare contract plans and specifications to address the Priority 1 and some Priority 2 repairs as found by our inspection consultant Michael Baker International during the current NBIS bridge inspection cycle. The repairs range from minor concrete patching and railing patching to more involved structural repairs on the bascule girder at Grassy and underside of deck at Corsons. The project schedule aggressively has advertisement as early as February 26, 2020 to ensure the majority of the work can be completed before mid-June.
- *2020 Electrical Engineering Services for Movable Bridges:* This RFP is for specialty electrical engineering consultants to address bridge controls, electro-mechanical systems, bridge operational safety systems, motor and drive controls, specifically for movable bridges. This on call service contract would also permit the County's T&E Department access to specialty engineering staff knowledge with movable bridge controls and power systems. We envision this as a contract that both the County and Commission can utilize.

<u>Overweight/Oversize Vehicles</u>

- In January 2020, I met for the second time with Resensys, LLC a manufacturer of bridge monitoring equipment for the purpose of installing weight detection system on one or more of our bridges. Four of our bridges are load posted at 15 Tons and classified as functionally obsolete due to several geometric features, especially curb-to-curb width of 20 feet. The manufacturer has teamed up with a consultant and will be forwarding a proposal to install sensors to detect vehicle weights in real time at one of our bridges for a nominal cost to the Commission. The executive director and I are recommending Grassy Sound Bridge due to lack of toll collector presence during the off season. Corson Inlet Bridge would be next if the system proves successful at Grassy Sound.

<u>2 Year Capital Project Plan / County Bridge Plan</u>

- The County/Commission's Comprehensive Bridge Replacement and Improvement Plan draft has been circulated to the Freeholder Board and Commissioners for internal review. Awaiting plan finalization and implementation.
- Awaiting the County's decision on our 2020 bonding request for repair/rehabilitation projects.

CMC Bridge Commission January 2020 Construction Summary

Projects Financed by the Cape May County Board of Chosen Freeholders

Updated 2-13-2020

Contract	Contractor	Original Contract	Approved Change Orders (2)	Revised Contract Amount	Total Approved Payments to Date (1)	% Complete by $$$
TI/GS Submarine Cable Replacements	Delta Line Construction	$1,156,333.00	$31,253.07	$1,187,586.07	$1,010,547.65	85.1%
TI Spans 1-7 Replacement	Agate Construction, Inc.	$8,567,647.20	$179,334.36	$8,746,981.56	$8,441,828.59	96.5%
Declared Emergency Contract-TI ACE Transformer Fire	Chammings Electric	$8,000.00	$0.00	$8,000.00	$8,000.00	100.0%
Declared Emergency Contract- MT Span 13 Bridge Rail Damage (3)	Thomas Barry Marine Construction, Inc.	$23,456.95	$0.00	$23,456.95	$23,456.95	100.0%
Declared Emergency Contract- MT Pier 10 Vessel Allision (3)	Thomas Barry Marine Construction, Inc.	$29,450.54	$0.00	$29,450.54	$29,450.54	100.0%
2017 Overhead Support Structures	ML Ruberton	$190,871.00	$0.00	$190,871.00	$188,962.29	99.0%
2017 Utility Improvements	Diehl Electric, Inc.	$557,759.80	$6,020.20	$563,780.00	$512,456.05	90.9%

Notes:

(1) Does not include payments presented at this Bridge Commission meeting.

(2) Sum of all approved change orders. Note additional change orders may be pending.

(3) Contract terms based on NJDOT Force Account provisions

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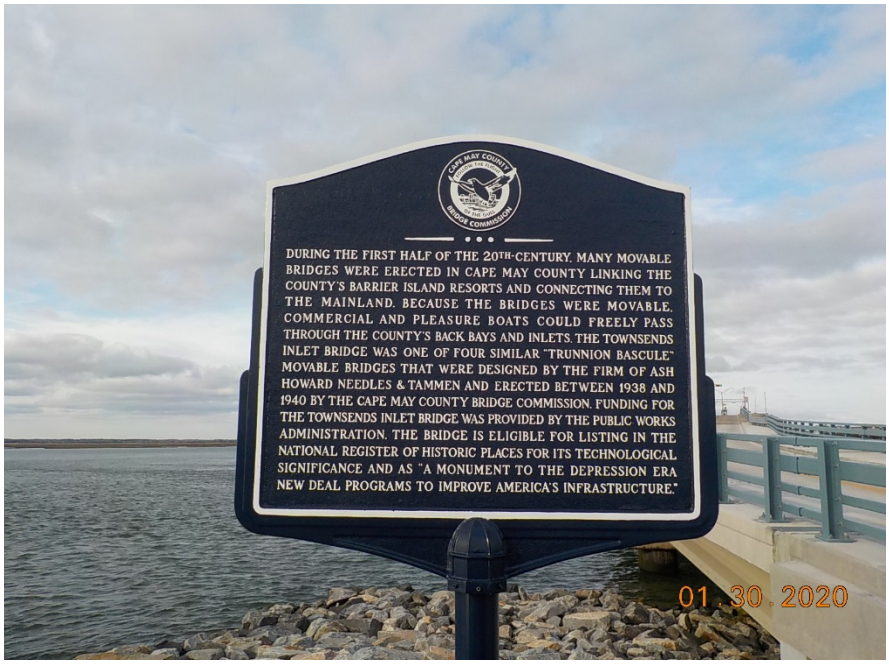
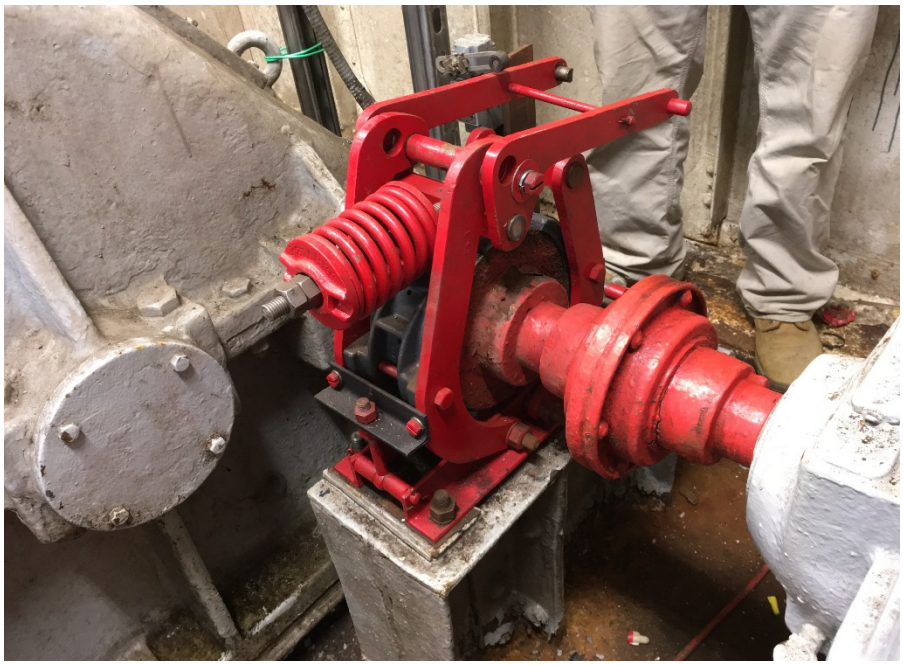
<tr><td colspan="2"> 
</td><td>Photo No: 1</td></tr>
<tr><td>Location:</td><td colspan="2">Townsends Inlet Bridge Span 1-7 Replacement Project, parking lot south approach.</td></tr>
<tr><td>Description:</td><td colspan="2">Interpretive sign installed by Agate Construction.</td></tr>
<tr><td colspan="2">  </td><td>Photo No: 2</td></tr>
<tr><td>Location:</td><td colspan="2">Grassy Sound Bridge, machinery room lower level below roadway.</td></tr>
<tr><td>Description:</td><td colspan="2">Failed machinery brake scheduled to be replaced.</td></tr>
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<tr><td colspan="2"> </td><td>Photo No: 3</td></tr>
<tr><td>Location:</td><td colspan="2">Grassy Sound Bridge, Machinery Room, lower level.</td></tr>
<tr><td>Description:</td><td colspan="2">County Traffic & Electrical Department working on bridge control system.</td></tr>
<tr><td colspan="2">
</td><td>Photo No: 4</td></tr>
<tr><td>Location:</td><td colspan="2">County Route 619, Grassy Sound Bridge, South Approach west shoulder, looking north.</td></tr>
<tr><td>Description:</td><td colspan="2">Bridge Commission’s old carpentry shop and garage. Middle Township has requested the status of the buildings and future plans.</td></tr>
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