

Commander United States Coast Guard Fifth Coast Guard District 431 Crawford Street Portsmouth, Va. 23704-5004 Stafff Symbol: (dpb) Phone: (757) 398-6557 Fax: (757) 398-6334 Email: James.L.Rousseau2@uscg.mil

16591 21 FEB 2013

Mr. E. David Lambert, P.E.
Director, Bridge Engineering and Infrastructure Management
State Transportation Engineer
New Jersey Department of Transportation
PO Box 600
Trenton, NJ 08625-0600

Dear Mr. Lambert:

Enclosed is the Coast Guard Bridge Permit Amendment 1-13-5 dated February 20, 2013, approving the modification of existing bridge across Manahawkin Bay, provides the after-the–fact approval of West Thorofare Bridge, at mile 37.4, near Ship Bottom Township, NJ and rescinds the Advance Approval designations for Hillards Thorofare, East Thorofare, and West Thorofare Bridges. The following stipulations shall be adhered to:

- a. The Contractor shall submit each plan and schedule of operation for approval at least 45 days prior to commencement of work in the waterways. One copy of such information shall be submitted concurrently to your Resident Engineer, the United States Coast Guard Commander (dpb); Federal Building, 4th Floor, 431 Crawford Street; Portsmouth, VA 23704-5004, and the U. S. Coast Guard Sector Delaware Bay at 1 Washington Avenue, Philadelphia, PA 19147-4395. The information shall include a sketch of the waterways; the bridges; the location of any restrictions that will be placed in the waterways such as barges, anchors, and anchor lines; the location and height above mean high water and detailed description of any scaffolding, or netting; detailed description indicating the placement, type and dimension of any cofferdams if used. The schedules should also include the hours of operation and whether or not the equipment will be removed at night. The contractor shall comply with all provisions of the Navigation Rules International - Inland, available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. The Contractor shall submit to the Resident Engineer a copy of all correspondence between the Coast Guard and himself or herself. No deviation from the approved plan and schedule of operation may be made unless the modification has previously been submitted and approved by the Coast Guard.
- b. At no time during the work will the waterways be closed to navigation without prior approval from the Coast Guard. You are required to maintain close and regular contact with Coast Guard Sector Delaware Bay to keep them informed to activities in waterways at (215) 271-4960.
- c. Barges that are used in the waterways during the project must be marked. Enclosure (2) outlines temporary marking and lighting requirements for barges and structures not part of the bridge that will be used during construction. If barge or float anchor lines are used, they must be marked by buoys, which should be lighted. If you should have any questions, regarding lights on the barges or work floats, please contact Mr. John Walters, Chief, Waterways Management Section, at (757) 398-6230. Floating equipment shall have a radiotelephone capable of operation from its main control station in accordance with Part 26 of Title 33, Code of

Federal Regulations and shall be monitored during all periods the floating equipment is on station.

- d. During the progress of work, while the channels are in operation, should any material, machinery or equipment be lost, dumped, thrown overboard, sunk or misplaced which may be dangerous to or obstruct navigation, immediate notice shall be given to the Coast Guard and the object removed with the utmost dispatch. Until removal can be effected, the objects shall be properly marked in order to protect navigation. Notice to the Coast Guard shall give a description and location of any such object and the action taken or being taken to protect navigation.
- e. Upon completion of the proposed project, an inspection of the waterways bottom shall be performed to insure that all construction waste materials have been completely removed. Certification will be required in writing by a licensed engineer or licensed surveyor that the waterways have not been impaired and all construction related debris has been cleared from it. The certification shall include the actual method used to conduct the inspection. The Contractor shall remove any bridge related debris, resulting from the current or prior work or occurrences, discovered during this survey.
- f. Upon completion of the bridgework, a responsible official of the New Jersey Department of Transportation shall verify as-built clearances and a statement attesting to the correctness of the clearances shall be forwarded to this office for record purpose. In lieu of verification by the above listed official, certification by a licensed surveyor or registered professional engineer registered in the State of New Jersey will be accepted.
- g. Except as shown on the plans, no dredging, excavation, filling, rip-rap, or other work affecting the bottoms, shall be done in conjunction with this work.
- h. If during the periods of construction, permanent lighting cannot be maintained operable, the fenders of each pier shall be marked with a battery or power operated white light of not less than 60 flashes per minute and visible for a range of 2,000 yards on 90% of the nights of the year. Generally, a lamp of 20-candle power will meet these requirements. If necessary to obtain coverage required, a light or lights on the upstream and downstream sides shall be installed. The piers shall be so marked until the construction has been completed and permanent navigational lighting has been reinstalled and determined to be operating satisfactorily. Written approval from the Coast Guard of temporary lighting during periods of construction is required. No existing bridge navigation lights shall be impaired or blocked during darkness or periods of reduced visibility.
- i. Compliance with the requirements stated herein does not relieve the contractor of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of the State of New Jersey or any other federal, state or local authority having cognizance of any aspect of the location, construction or maintenance of said bridge. It is advised that the Coast Guard can levy monetary civil penalties for violations of bridge regulations and statutes.
- j. In accordance with Title 33 Code of Federal Regulations Part 118.25 Application procedure, approval of lights and other signals required shall be obtained prior to construction. Application shall be by letter accompanied by duplicate sets of drawings showing (1) the plan

and elevation of the structure showing lights and signals proposed, and (2) a small scale vicinity chart showing proposed bridges and all other bridges within 1,000 feet above or below the proposed bridges.

The office of the Bridge Administrator, Fifth Coast Guard District, shall be notified immediately upon completion of the project. If you should have any questions regarding this matter, please call Mr. James Rousseau at (757) 398-6557.

Officerery,

WAVERLY W. GREGORY, JR

Bridge Program Manager

By direction of the Commander

Fifth Coast Guard District

Encl:

(1) Bridge Permit 1-13-5 dated February 20, 2013

(2) USCG Temporary Marking & Lighting

Copy:

John Walters, (dpw) w/encl

USCG Sector Delaware Bay, Waterways Management w/encl

Shelly H. Sugarman, COMDT (CG-BRG-2)



BRIDGE PERMIT

2 0 FEB 2013

AMENDMENT (1-13-5)

WHEREAS by a permit issued on 26 April 1955, the Secretary of the Army approved the location and plans of bridges to be constructed by the State of New Jersey (New Jersey State Highway Department) across Manahawkin Bay (Hilliards Thorofare), New Jersey Intracoastal Waterway (Manahawkin Bay) and Cedar Bonnet Thorofare (East Thorofare) between Ship Bottom (Borough of Ship Bottom) and Manahawkin (Stafford Township), New Jersey, under authority of the General Bridge Act of 1946, as amended, and that the bridges were constructed:

AND WHEREAS said act, as amended, transferred to and vested in the Secretary of Homeland Security the functions, powers and duties of the Secretary of the Army pertaining to the approval of plans for bridges over the navigable waters of the United States, and the Secretary of Homeland Security has delegated these functions, powers and duties to the Commandant, U.S. Coast Guard by Department of Homeland Security Delegation Number: 0170.1;

AND WHEREAS condition 4 of that permit provides that no deviation from the approved plans shall be made either before or after completion of the structures unless modification of said plans has previously been submitted to and received the approval of the Secretary of the Army;

AND WHEREAS the - STATE OF NEW JERSEY - has submitted for approval plans indicating modification to the bridges by adding a new parallel structure and modifying the existing bridge across Manahawkin Bay, and granting approval of a bridge previously constructed across West Thorofare;

NOW THEREFORE, This is to certify that the location and plans dated April 2012 hereby approved supersede the plans previously approved. In granting this approval, all conditions to which the original permit was subject are superseded by the following conditions:

- No deviation from the approved plans may be made either before or after completion of the structures unless the modification of said plans has previously been submitted to and received the approval of the Commandant.
- 2. The construction of falsework, cofferdams or other obstructions, if required, shall be in accordance with plans submitted to and approved by the Commander, Fifth Coast Guard District, prior to modification of the bridges. All work shall be so conducted that the free navigation of the waterway is not unreasonably

Continuation Sheet

Bridges across Hilliards Thorofare, Manahawkin Bay, West Thorofare and East Thorofare near Stafford Township and the Borough of Ship Bottom, New Jersey

2 0 FEB 2013 BRIDGE PERMIT AMENDMENT (1-13-5)

interfered with and the present navigable depths are not impaired. Timely notice of any and all events that may affect navigation shall be given to the District Commander during modification of the bridges. The channel or channels through the structures shall be promptly cleared of all obstructions placed therein or caused by the modification of the bridges to the satisfaction of the District Commander, when in the judgment of the District Commander the modification work has reached a point where such action should be taken

- Issuance of this permit amendment does not relieve the permittee of the obligation or responsibility for compliance with the provisions of any other law or regulation as may be under the jurisdiction of the U.S. Department of Commerce, National Marine Fisheries Service, or any other federal, state or local authority having cognizance of any aspect of the location, modification or maintenance of said bridges.
- A bridge fendering system shall be installed and maintained in good condition on the Hilliards Thorofare and West Thorofare Bridges by and at the expense of the owner of the bridges when so required by the District Commander. Said installation and maintenance shall be for the safety of navigation and be in accordance with plans submitted to and approved by the District Commander prior to its construction.
- The pier protection fender system shall be constructed and maintained on the U.S. 72 Manahawkin Bay Bridges as shown on the approved plan sheets 2, 3 and 4 (of 13) dated April 2012 for the safety of navigation.
- The pier protection fender system shall be maintained on the East Thorofare Bridge as shown on the approved plan sheets 8, 10 and 11 (of 13) dated April 2012 for the safety of navigation.
- Clearance gauges shall be maintained in a good and legible condition on the Hilliards Thorofare, West Thorofare and East Thorofare Bridges by and at the expense of the owner of the bridges.
- Clearance gauges shall be installed and maintained in a good and legible condition on the U.S. 72 Manahawkin Bay Bridges by and at the expense of the owner of the bridges. The type of gauges and the locations in which they are to be installed will be submitted to the District Commander for approval.
- The temporary trestles across Manahawkin Bay, mile 37.4, shall be constructed in accordance with the approved plan sheets 2 and 3 (of 13) dated April 2012.
- All parts of the temporary trestles, or incomplete parts thereof, shall be removed in their entirety and the waterway cleared to the satisfaction of the District Commander. Such removal and clearance shall be completed by and at the expense of the owner of the bridges upon due notice from the District Commander.

Continuation Sheet

Bridges across Hilliards Thorofare, Manahawkin Bay, West Thorofare and East Thorofare near Stafford Township and the Borough of Ship Bottom, New Jersey 2 0 FEB 2013 BRIDGE PERMIT AMENDMENT (1-13-5)

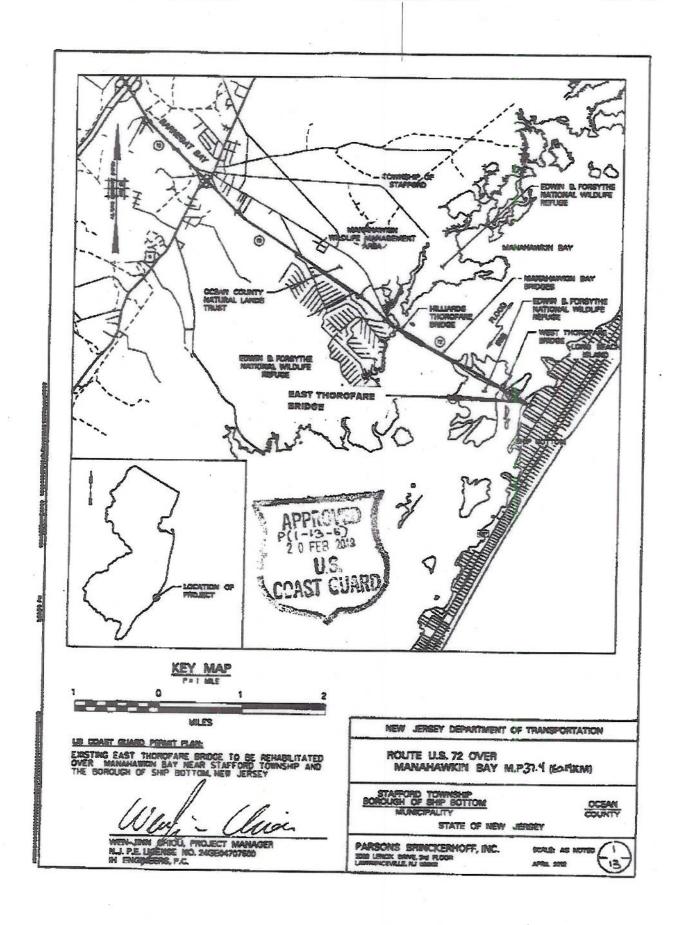
- 11. All parts of the existing to-be-modified U.S. 72 Manahawkin Bay Bridge across Manahawkin Bay, mile 37.4, not utilized in the new modified bridges, shall be removed in their entirety and the waterway cleared to the satisfaction of the District Commander. Such removal and clearance shall be completed by and at the expense of the owner of the bridges upon due notice from the District Commander.
- 12. When the bridges are no longer used for transportation purposes, they shall be removed in their entirety or to an elevation deemed appropriate by the District Commander and the waterway cleared to the satisfaction of the District Commander. Such removals and clearances shall be completed by and at the expense of the owner of the bridges upon due notice from the District Commander.
- 13. The approval hereby granted shall cease and be null and void unless modification of the bridges is commenced within three years and completed within five years after the date of this permit amendment.

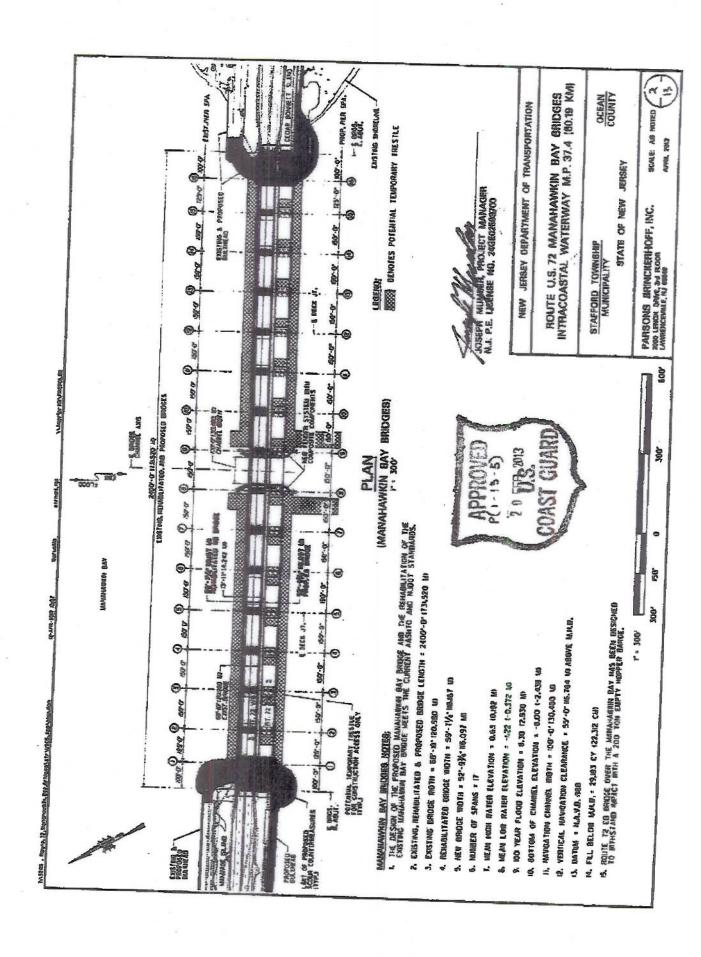
Brian Dunn

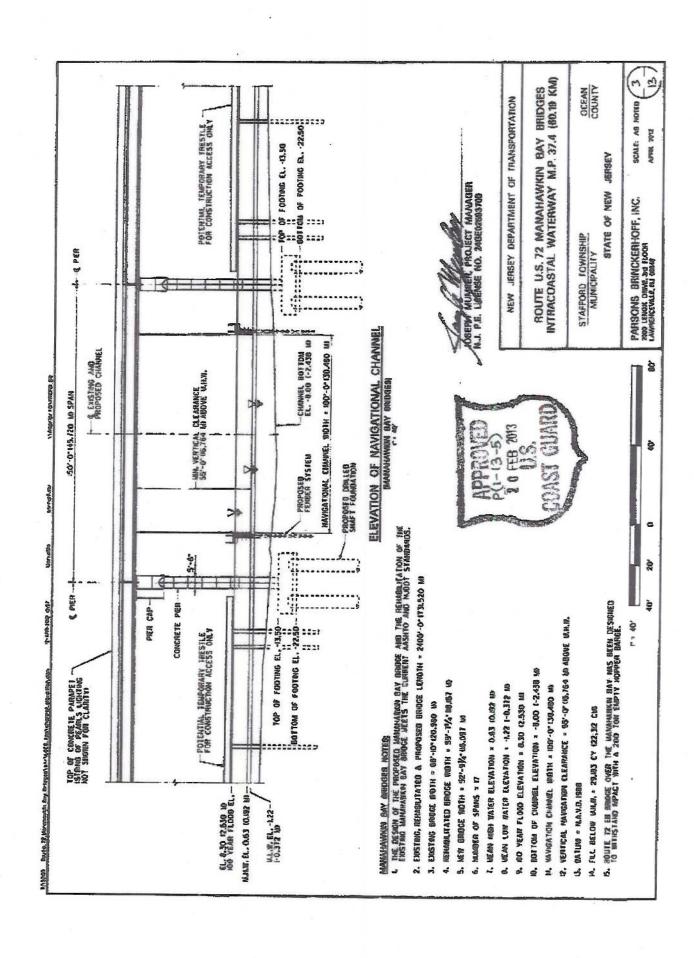
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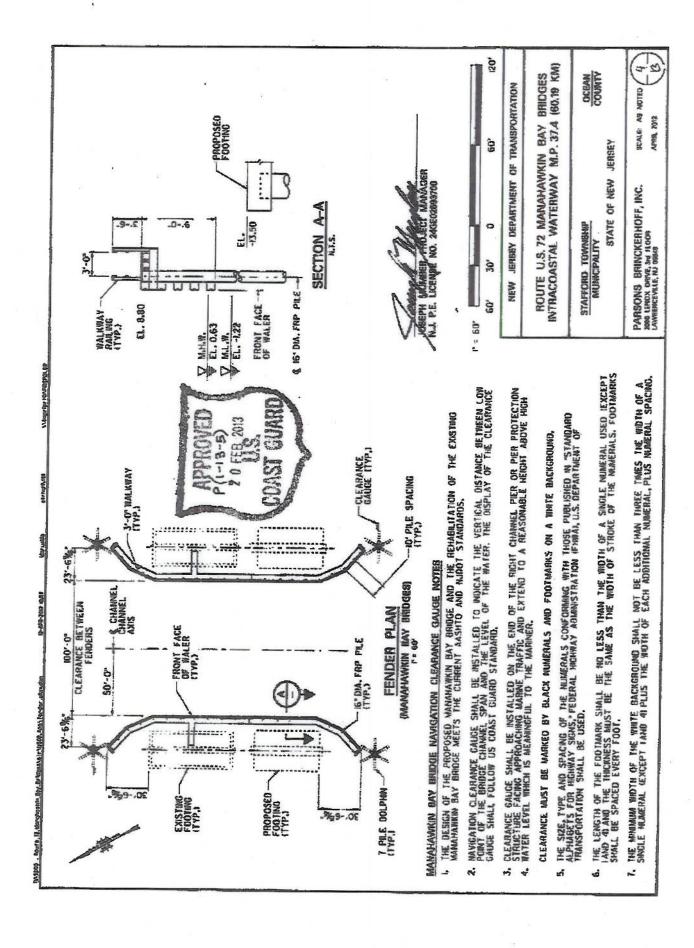
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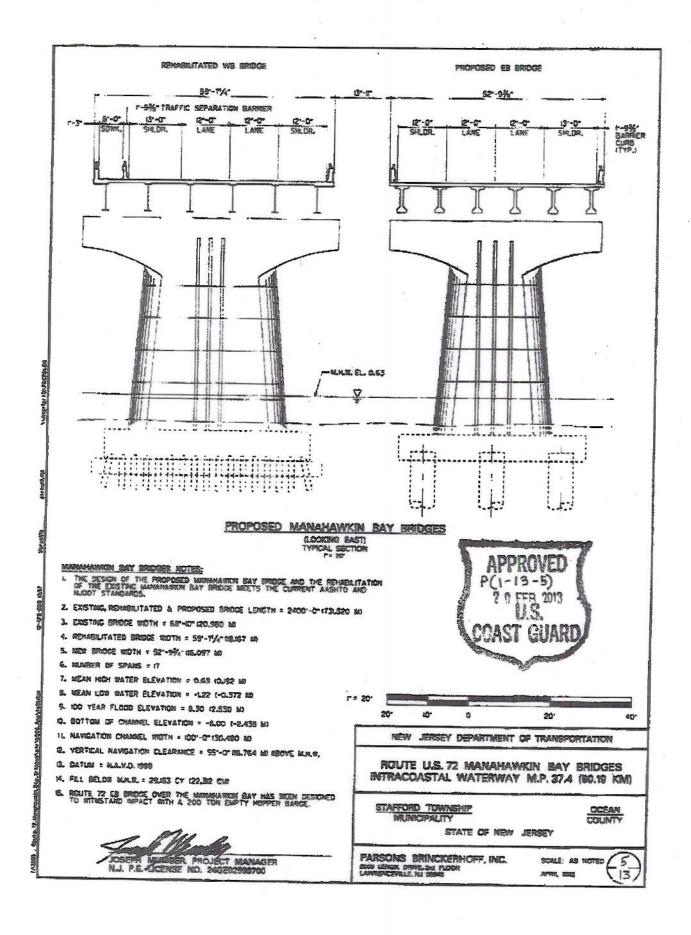
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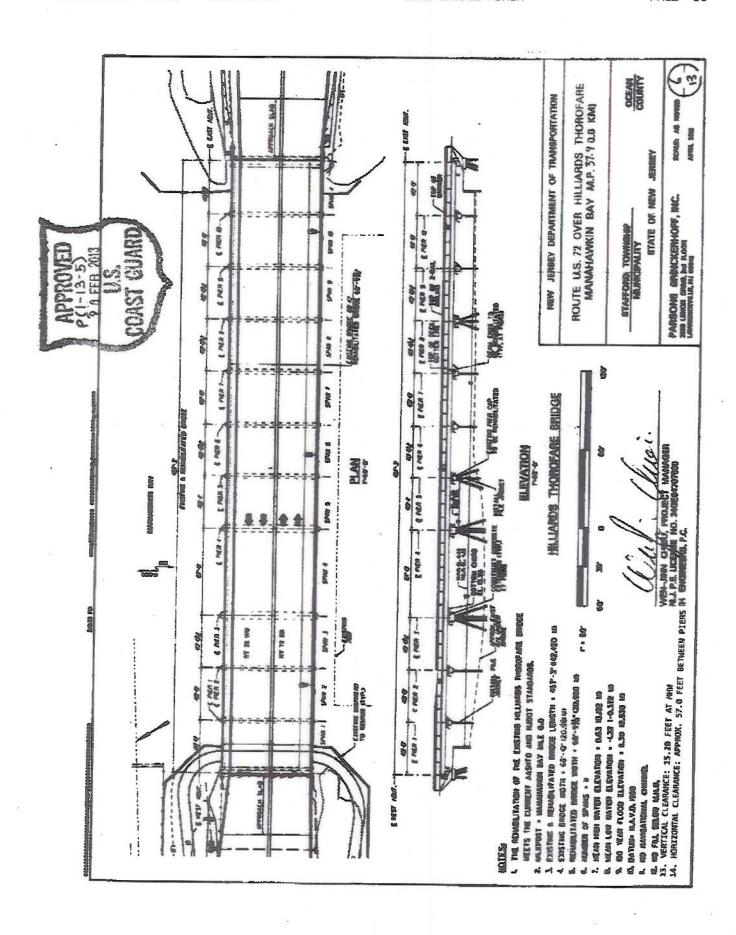




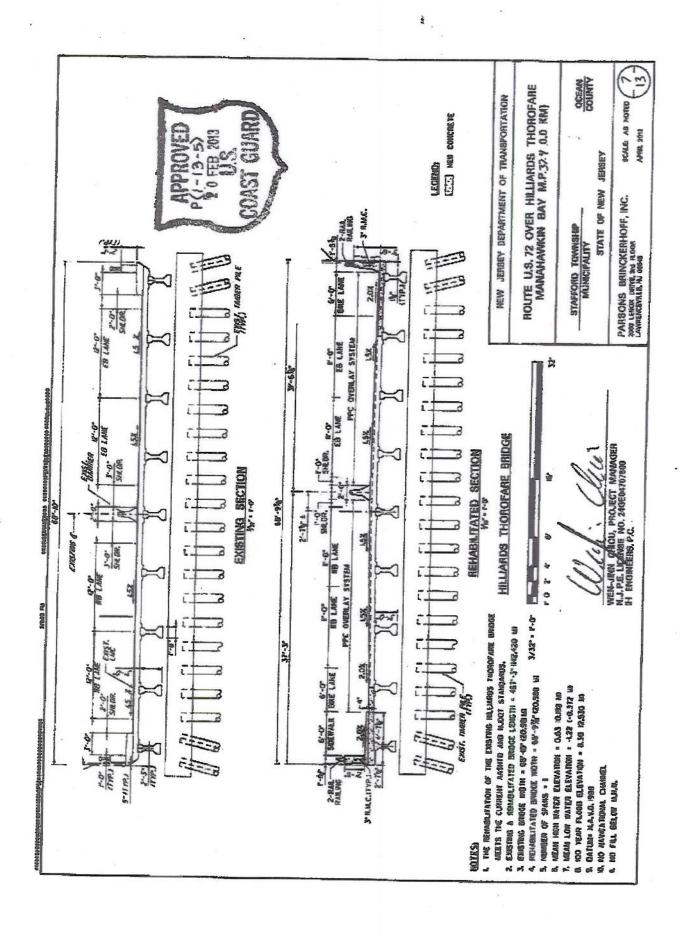


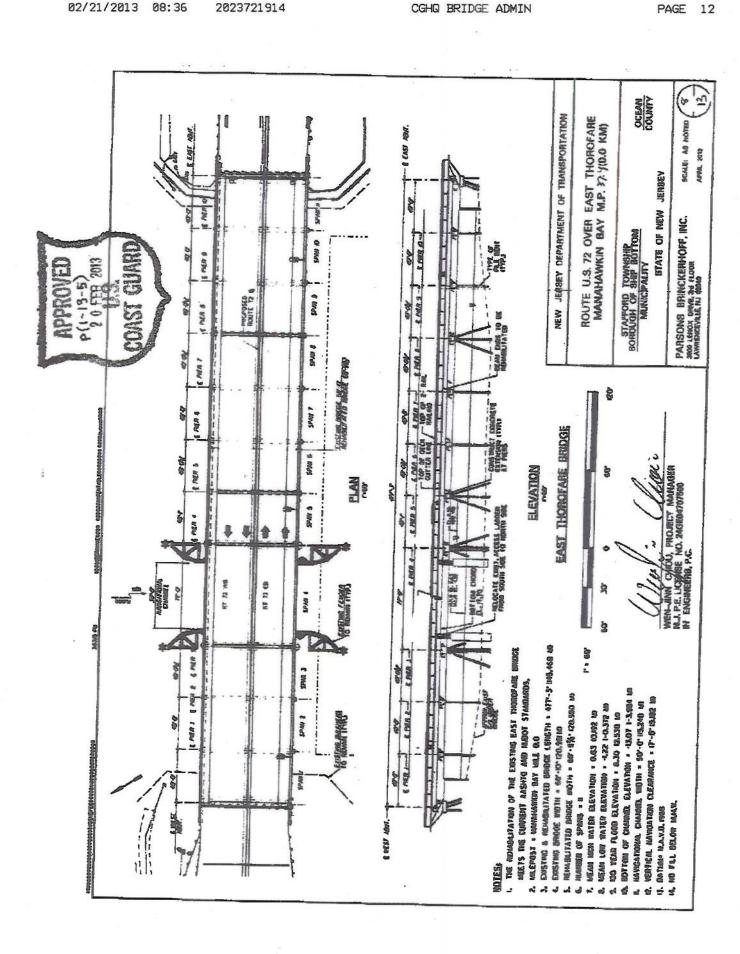




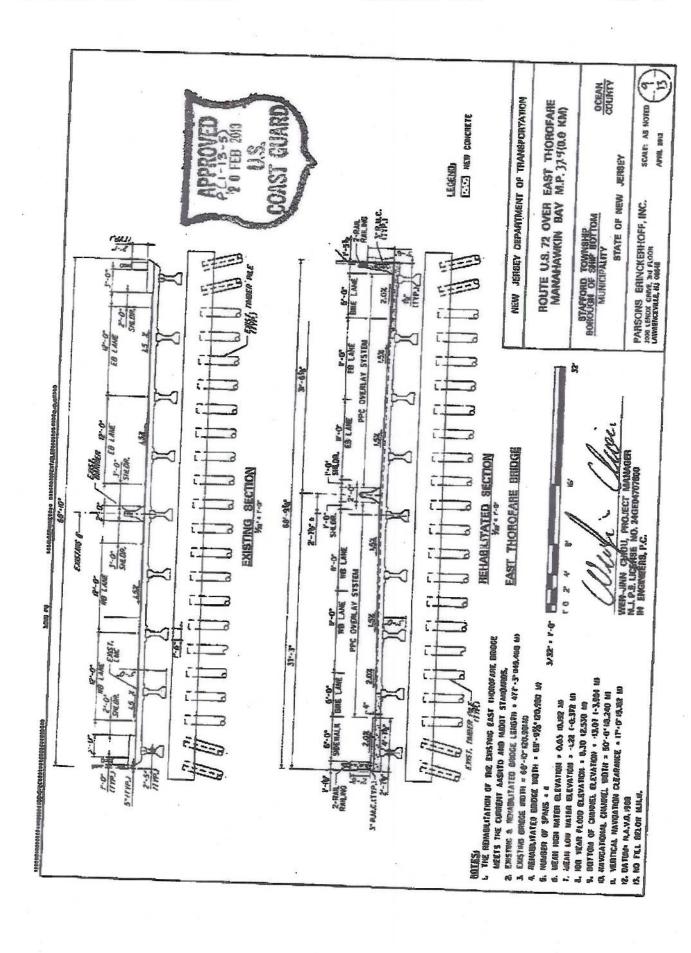


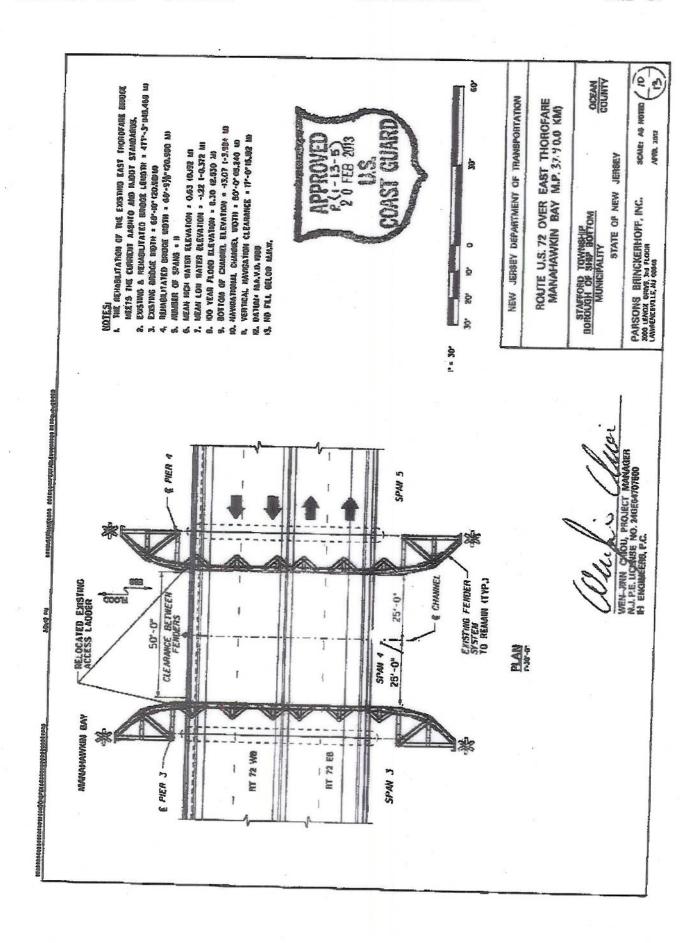
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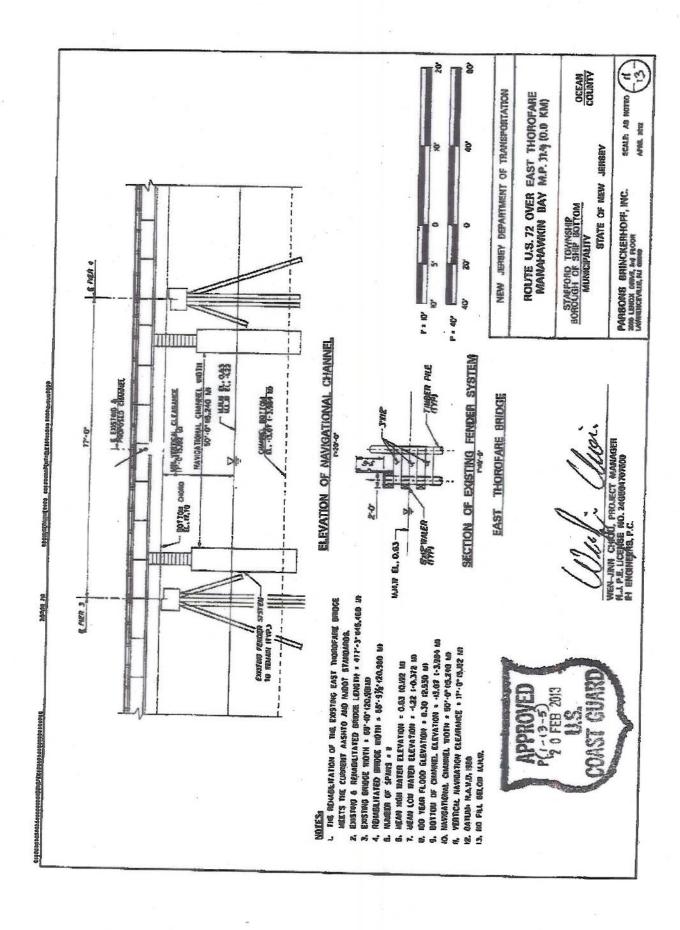


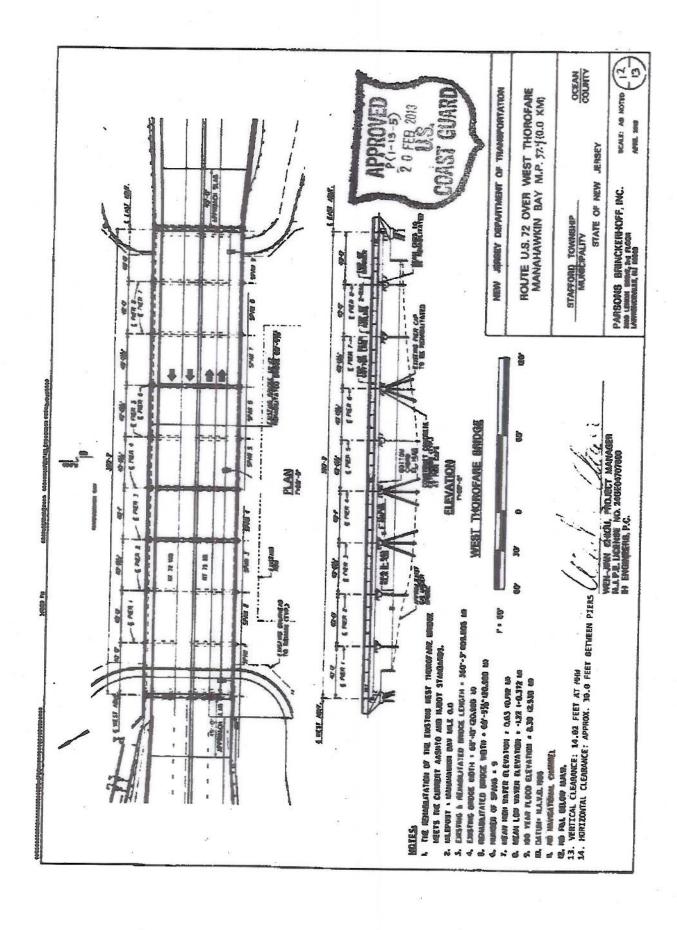


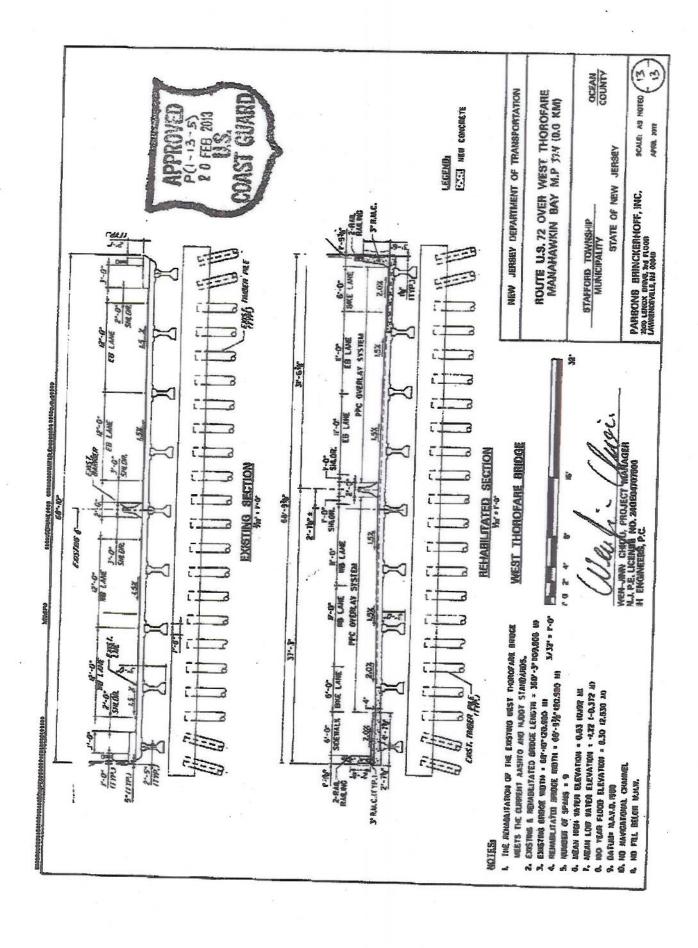
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LIGHTING REQUIREMENTS FOR BARGES AND STRUCTURES NOT PART OF A BRIDGE OR APPROACH STRUCTURE

88.13 Lights on barges at bank or dock.

- (a) The following barges shall display at night and, if practicable, in periods of restricted visibility the lights described in paragraph (b) of this section -
 - (1) Every barge projecting into a buoyed or restricted channel.
 - (2) Every barge so moored that it reduces the available navigable width of any channel to less than 80 meters.
 - (3) Barges moored in groups of more than two barges wide or to a maximum width of over 25 meters.
 - (4) Every barge not moored parallel to the bank or dock.
- (b) Barges described in paragraph (a) shall carry two unobstructed white lights of an intensity to be visible for a least one mile on a clear dark night and arranged as follows:
 - (1) On a single moored barge, lights shall be placed on the two corners farthest from the bank or dock.
 - (2) On barges moored in group formation, a light shall be placed on each of the upstream and downstream ends of the group, on the corners farthest from the bank or dock.
 - (3) Any barge in a group, projecting from the main body of the group toward the channel, shall be lighted as a single barge.
- (c) Barges moored in any slip or slough, which is used primarily for mooring purposes, are exempt from the lighting requirements of this section.

33 CODE OF FEDERAL REGULATIONS, SECTION 118.95 LIGHTS ON STRUCTURES NOT PART OF A BRIDGE OR APPROACH STRUCTURE

Lights on sheer booms, isolated piers, obstructions, and other structures not part of a bridge or approach structure must meet the requirements for aids to navigation in Subpart 66.01 of Part 66 of this chapter.

33 CODE OF FEDERAL REGULATIONS, SECTION 66.01-10

(a) The characteristics of a private aid to navigation shall conform to the United States Aids to Navigation System described in Subpart B of Part 62 of this subchapter, except that only tungsten-incandescent light sources will be approved for electric lights.

Therefore in accordance with 33 CFR 66.01-10(a), the above lights shall be marked with slow flashing yellow lights visible for two miles on a clear dark night. Lights similar to the Tideland ML-120 Barge Light may be used. Only tungsten-incandescent light sources will be approved for electric lights.