

DELAWARE RIVER BAY AUTHORITY

CAPE MAY-LEWES FERRY – TERMINAL TRANSFER BRIDGES IMPROVEMENTS

PHILADELPHIA, PA | PROJECT COST: \$7,800,000 |
COMPLETED IN JUNE 2018



S.T. HUDSON ENGINEERS, INC.

Professional Engineers and Consultants



PROJECT SUMMARY

S. T. Hudson Engineers was contracted to provide a complete design for the demolition and replacement of five aging car-ferry transfer bridges with new transfer bridges. The car ferries that link Cape May, NJ to Lewes, DE can accommodate up to 100 standard vehicles and provide a vital transportation link between Delaware and New Jersey.

As a result, the new transfer bridges had to be designed to use accelerated bridge construction methods with the intent of swapping out each of the old transfer bridges with one new bridge over an extended weekend. This design approach allows for the replacement of the bridges with minimal interruption to ferry operations. Hudson was the lead engineering firm on this project from the preliminary design phase through the commencement of construction. The project is now in construction and scheduled to be completed in mid-2020.

PROJECT CONTACT

DRBA

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PROJECT STATS

5 transfer bridges to be removed

5 new transfer bridges designed
including all mechanical and
electrical components.

SERVICES

Preliminary field survey

Drafting of all required project
plans and specifications

Preparation of all local, state, and
federal environmental permits
required.

Structural design of new transfer
bridges and gantry repairs.

Design of all required mechanical
equipment

Develop all required electrical
and control systems.

Provide on-site construction
management services.