Airport Ferries: A Feasibility Study and Concept Design of a New York Airport Ferry Adviser: Professor Bradley Golden

ABSTRACT

ports: John F. Kennedy (JFK), LaGuardia (LGA), and Newark (EWR). Previous studies study incorporated a transportation analysis to determine the benefit of the ferry over other existing modes of travel, set a likely price point for the economic viability of such a vessel, and prepared a design statement and owner requirements. The concept dewith the ferry were then incorporated in the feasibility analysis to determine whether the ferry system could compete against existing modes of transportation. The analysis



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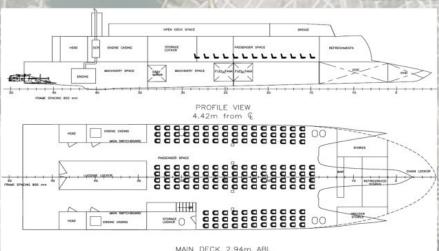
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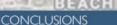
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OBJECTIVES

The objective of this thesis was to determine whether the tristate area can benefit from the addition of an airport ferry. A feasibility analysis of an airport ferry route in the New York area was performed. This design of the ferry. The ferry design supplied a speed and cost estimate that served as a comparison in the transportation analysis. The goal was then to determine whether the designed ferry meets the qualifications for profitability.



The research and analysis indicate that the overall system is currently not feasible. In many situations, the ferry will not outperform the existing modes in traveler desirability. The expected market in most cases will also not allow the ferry to become profitable. In cases which do allow profitability, other factors will hinder the feasibility of the system.