

September 15, 1995



MEMO TO: MTA BOARD OF DIRECTORS

THROUGH: FRANKLIN E. WHITE

FROM: STANLEY G. PHERNAMBUCO 

SUBJECT: PERCENTAGE OF ENGINEERING EFFORT EXPENDED BY EMC ON DESIGN OF THE IMPERIAL-WILMINGTON MAINTENANCE OF WAY (M.O.W.) FACILITY COMPARED TO THE ESTIMATED COST OF CONSTRUCTION

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#### ISSUE

At the July 13, 1995 meeting of the Construction Committee, Ex Officio Member N. Patsouras asked that, prior to final preliminary design of the Imperial-Wilmington M.O.W. facility, staff report back to the Construction Committee regarding the amount of engineering expended by the EMC as a percentage of the total estimated construction costs.

#### BACKGROUND

The Imperial-Wilmington M.O.W. has been planned as a design-build demonstration project. Consequently, during preliminary engineering, the EMC, along with the MTA Construction and Operation staffs, has been focusing on performance-oriented design standards, criteria, and specifications. To date, EMC planning and design efforts amount to less than one percent of the estimated cost of the facility. The EMC plans to have the bid package ready by Thanksgiving, 1995. At that time, total EMC design costs should be less than four percent of the project's estimated construction costs. This represents less than 50% of the typical effort to do a complete conventional design.

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