

JFK – CENTRAL SUBSTATION – PROJECT REAUTHORIZATION

Committee on Construction

April 29, 2010

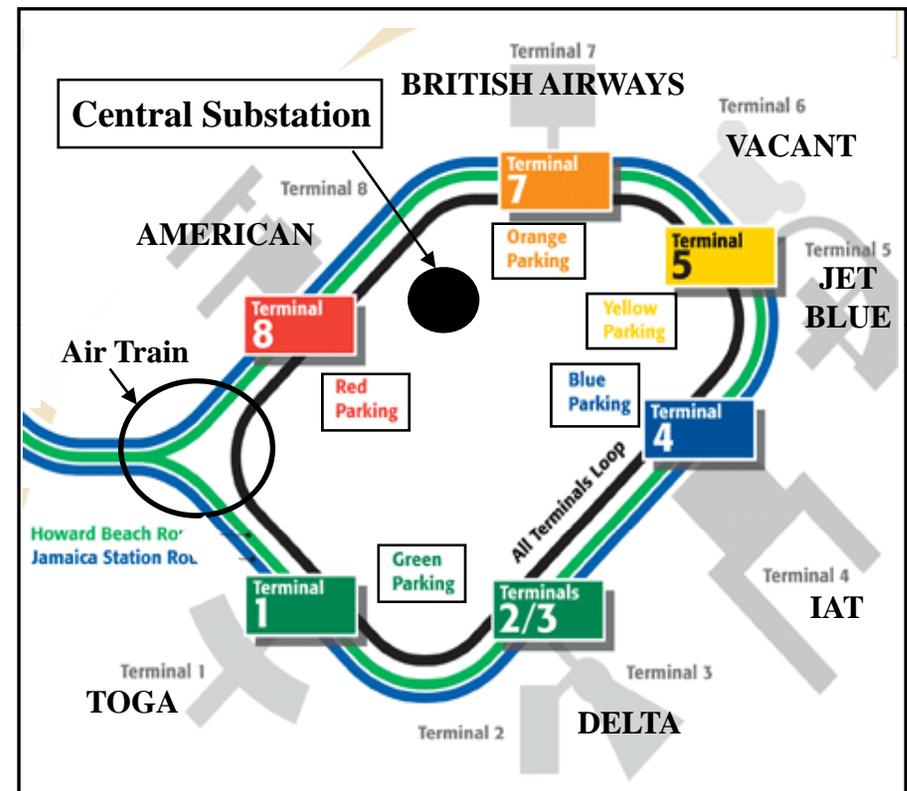
JFK Central Substation Upgrade Project Scope

Scope

- Rehabilitate Central Substation – 6 Switchgear
- Reconfigure Central Terminal Electrical Feeders
- Simplify Electrical Operations
- Project Authorization – May 1994
 - Switchgear Procurement Award – February 1995
 - Construction Contract Award – January 1996



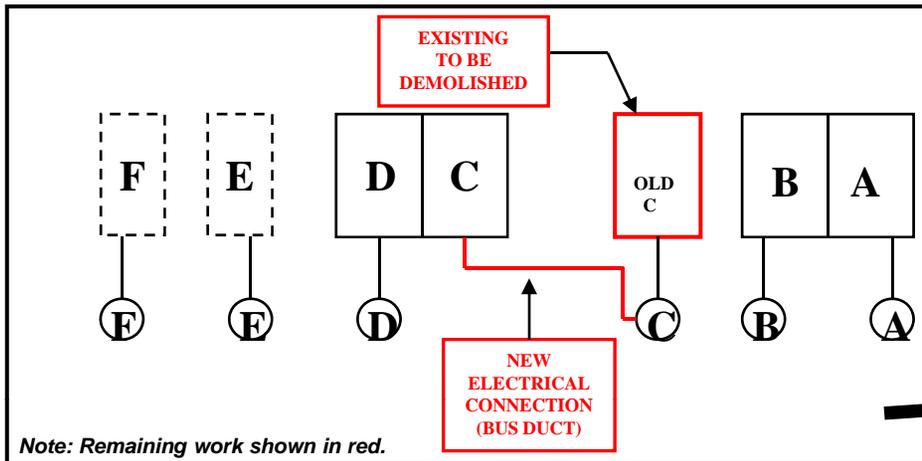
Typical Switchgear



JFK Airport Map

JFK Central Substation Upgrade

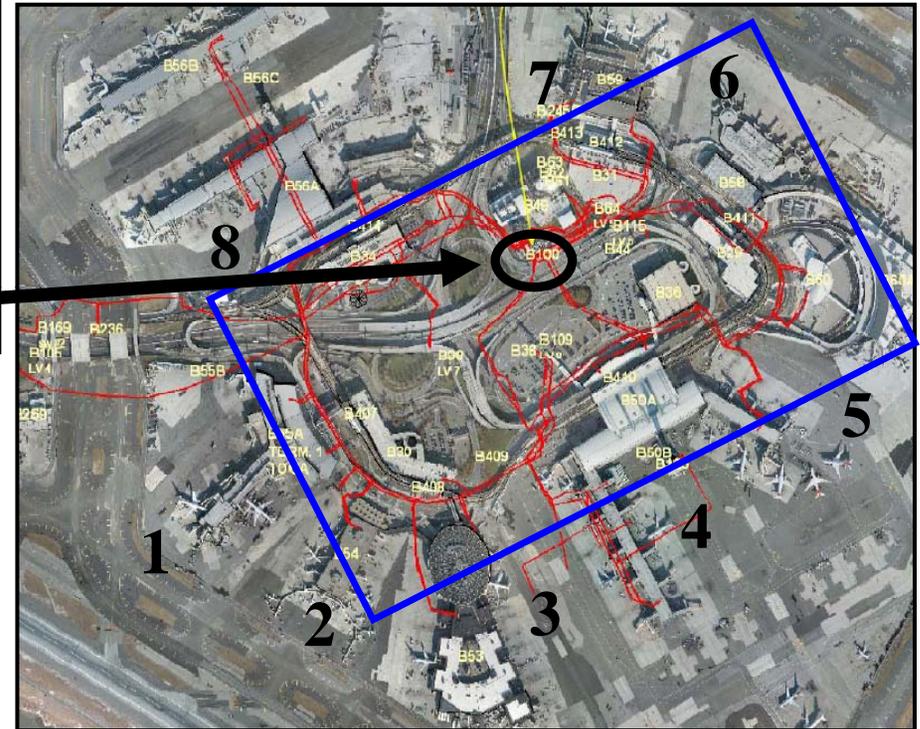
Remaining Work



LEGEND

- Existing Transformer
- New Switchgear
- ⋯ Refurbished Switchgear

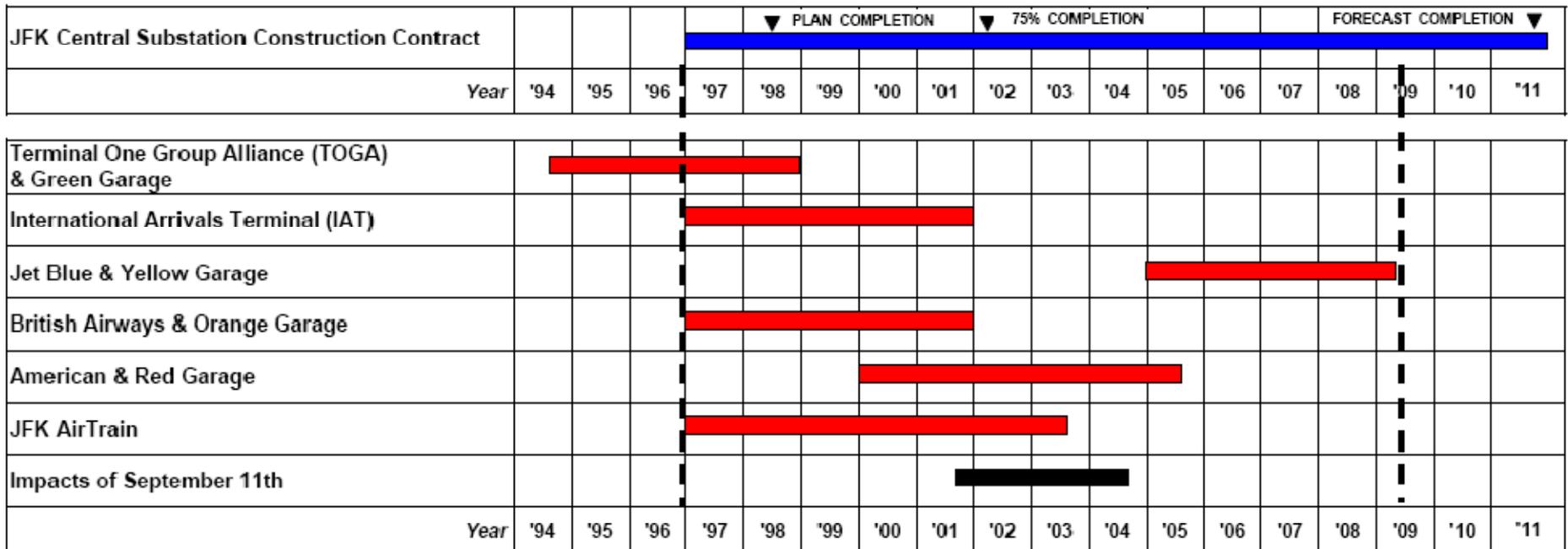
- Demolish Switchgear C
- Construct Electrical Connection to Switchgear C
- Reconnect Feeder cables as needed
- Clean and energize all equipment as needed
- Forecasted Completion Date: December 2011



Underground Electric Cables
(shown in red)

JFK Central Substation Upgrade

External Influences



- ConEdison Impacts
 - Faulty 27 kV Feeder Replacement
 - Delays in Relocation of Transformer

JFK Central Substation Upgrade **Requested Increase**

- **Previously Authorized Amount – \$20.8 Million**
- **Additional Funding Requested – \$11.2 Million**
- **Total Project Reauthorization – \$32.0 Million**
- **Forecasted Completion Date – December 2011**