

Memorandum



Date: April 16, 2009

ASC

To: Honorable Chairman Dorrin D. Rolle
and Members, Airport & Seaport Committee

Agenda Item No. 7E

From: George M. Burgess
County Manager

Subject: Miami-Dade Aviation Department Capital Improvement Program Report

The Miami-Dade County Board of County Commissioners (BCC) adopted a Master Plan for Miami International Airport (MIA) and approved a \$6.2 billion Capital Improvement Program (CIP). The CIP at MIA includes an expanded and efficient airfield with four runways and several new taxiways, expanded parking, a central collection plaza, additional lanes at upper/lower terminal drives, and enhanced connections to the surrounding expressways and Miami Intermodal Center (MIC)/Rental Car Center. The Terminal is expanding from 3.5 million to 7.4 million square feet with 101 international gates and 26 domestic gates, for a total of 127 gates with 555 ticket counters and 120 Self-Service Devices (SSD). Separate Federal Inspection Services (FIS) locations in North, Central and South Terminals will have the capacity to process 7,400 passengers per hour.

The following is the status of the two major components of the CIP: North Terminal Development (NTD) Program and South Terminal Development (STD) Program:

NORTH TERMINAL PROGRAM (NTD)

Contractual Issues

- Parsons-Odebrecht Joint Venture (**POJV**). There are no contractual issues to report.
- MCM-Dragados Joint Venture (**MDJV**). There are no contractual issues to report.
- Beauchamp Construction Company (**BCC**). There are no contractual issues to report.
- Marks Brothers Inc. (**MBI**). Change Order for the B-C apron work and fuel work has been signed and pending OSBM and Mayor's signature.
- Sumitomo Corporation of America (**SCOA**). There are no contractual issues to report.
- Siemens Energy & Automation Inc (**SEAI**). There are no contractual issues to report.

Construction Issues

POJV WORK

NTD Program Workforce

- NTD POJV manpower reported 820 workers for the month of February 2008.
- North Terminal Improvement (NTI) MDJV has approximately 220 workers at the job site.
- BCC has approximately 100 workers.
- Overall workforce at the NTD, including all contractors (POJV, SEAI, MDJV, BCC, SCOA, Marks Brothers, etc), is a little more than 1,400 workers.

Managing General Contractor (MGC) Baseline Schedule

- The POJV February 2009 schedule update shows a 37-day impact to the A-B Infill project that needs to be mitigated. The NTD team and POJV are working on mitigation and re-sequencing plans; we are confident the delay to the project will be successfully mitigated. There are no delays to the overall program completion date. Program is maintaining schedule.

A-B Infill

- Work is progressing well and according to schedule. Curtain wall installation is almost completed. Pre-cast panels are 100% installed. Interior work is progressing well for the opening of gates in July.
- Automated People Mover (APM) roofing metal structure framing work is progressing well in both of the A-B infill APM stations. Substation B has been turned over to SCOA.
- Gates D-21, D-22, and D-23 are scheduled for opening in July 2009.

B-C Infill

- Annex # 3 has been substantially completed. Close-out documents are being routed for approvals and final signatures.
- Ticket counter area is substantially completed.
- Interior finishes are progressing well on ramp, concourse and third level.
- B-C Infill project is progressing as per schedule. Gates D24 and D25 will open on June 4, 2009.

C-D Infill

- All phases of the C-D Infill were successfully opened as scheduled.
- All phases of the interim C-D checkpoint successfully opened as scheduled. Project is complete.
- Annex # 4 has been substantially closed out.
- Annex # 5 Gate Control Tower has been substantially closed out.
- The C-D Infill project achieved substantial completion on November 14, 2008.
- This project is undergoing closing out procedures.

FIS

- 740A FIS work is still progressing well, with interior metal framing ahead of schedule. Mechanical Electrical Plumbing (MEP) installation is ongoing.
- NTD Team and POJV approved and implemented a plan to enable early access to ramp level in order to begin ramp-level utilities and other work.
- Most issues and design modifications have been agreed to by CBP. We have been able to manage and incorporate empty conduits and rough work for CBP security equipment; however, the program never contemplated providing the equipment that now is mandated by them. We are still identifying funding sources for the security equipment (CCTV, access control, duress system, monitoring, etc) which was not part of our budget. The ROM for this system is close to \$5 million.
- Project is progressing well and according to the schedule.

Concourse D Remodel

- 739I D-Remodel Ramp Level Improvements project has been completed and is in the process of being closed out.
- 739C D-Remodel phase 1 and 2 work began October 9, 2008. Submittals and construction issues are progressing according to schedule.
- 739C phase-2 work and re-opening of gates D-31 and D-32 have been accelerated and will re-open on July 2009 rather than the original schedule of September 2009.
- POJV reported that the project is 22 days ahead of schedule.

NON-POJV WORK

Concourse D Extension

- D-Extension completion project is currently under the cone of silence. Bids received were significantly below our estimate and budget.

Terminal Wide Improvements

- Demolition work has been substantially completed.

- Baseline and mitigated schedule mitigate the 58-day delay due to extended bidding process. Phase one is on schedule for completion on July 28, 2009.
- Work is progressing well. Contractor (MDJV) is doing an excellent job in this complex project.
- Contingency allowance funds have been reduced due to the project mitigation activities and unforeseen conditions in this 50-plus-year-old part of the terminal.
- Storefront installation started last month and is progressing very well.

Regional Commuter Facility (RCF)

- Project is progressing well according to schedule.
- Roof floor slab has been poured.
- Most coordination issues have been properly resolved.
- Work is progressing extremely well. The Contractor (BCC) is performing very well.
- Fuel line under the building was completed three days ahead of schedule.
- Topping off of the facility has been achieved on March 30.

Baggage Handling System (BHS)

- Work is progressing and testing is ongoing. All 14 EDS (Explosives Detection System) machines necessary for phase 1 have been successfully installed in the West and Central Matrices.
- Installation of conveyor work is also progressing.
- MDAD continues mitigation efforts related to any impacts to Siemens work, in particular, the changes mandated by TSA and other enhancements to the system required by American Airlines.
- Progress meetings with TSA headquarters are ongoing to ensure compliance with the most recent Baggage Screening Investment Study (BSIS) screening procedures and to ensure a successful testing.
- Phase 1 testing activities have begun; and a 120-day look-ahead schedule has been submitted by Siemens.
- There are some critical issues that need to be resolved as they relate to the phase 1 completion. There is currently a potential impact to delay phase 1 implementation; however the team and the contractor are working on mitigation alternatives.
- The phase 1 completion date has been moved to August 28, 2009. This 30-day delay has been mitigated with the other Contractors not to impact the program.
- We have incorporated daily progress meetings to track and ensure the delivery and completion of phase 1 work to enable relocation of AA's ticket counters.

Automated People Mover (APM)

- Guide way system for the APM is 100% complete from Concourse D extension all the way to Concourse A.
- Work is progressing well and according to the revised schedule.
- Sumitomo (SCOA) has begun preventive maintenance for the trains. The first successful dynamic test of the cars was conducted on October 14, 2008.
- NTD team efforts are concentrated in achieving all access dates. POJV is cooperating fully with handoff activities.
- APM substantial completion has been advanced to August 27, 2009, from the original date of December 2009. We are working with SCOA to advance opening of the APM system to coincide with re-opening of Concourse A by the end of June 2010.

Civil Work

- Apron area at the RCF is under the cone of silence. All bids received were below the estimate and under our budget.

- Change Order for Marks Brothers for the B-C apron has been finalized to be approved under the NTD ordinance. This is critical in order to deliver gates D-24 and D-25 on June 4, 2009.

- Apron work for the early opening of gates D-29 and D-30 was completed as scheduled and the gates were opened on December 15, 2008.

Construction Phasing/Scoping

- The landside access road is fully operational and working successfully.
- The NTD team and POJV have agreed on a plan to open gates D-24 and D-25 on June 4, 2009 (earlier than scheduled). There are a lot of hurdles to overcome to reach this goal, but we feel it is plausible. Plan has been executed and implemented.
- A plan to maintain 42 gates opened for American Airlines beginning June 4, 2009, has been agreed by all parties.
- Concourse A will re-open by the end of June 2010.
- No additional phasing issues to report.

2008 NTD Completed Milestones (most relevant only)

- Concourse D Gate Control Tower completed
- Opened Gates D-37, D-38, D-50, D-29 & D-30 on or before schedule
- Started NTI Project within budget
- 14 CTX machines delivered and installed
- 20 APM Trains delivered and installed
- D-Remodel Ramp project completed
- NTD Construction access road completed
- Interim C-D Checkpoint completed
- RCF awarded under budget
- C-D Infill project 100% completed on schedule
- Reached 59% Overall Program Completion
- NTD Construction expenditures in excess of \$40 million/month

Upcoming 2009 NTD Milestones

- Plan to maintain 42 gates open for AA ongoing starting June 4, 2009.
- Total of 7 gates to open in 2009.
- Opening Gates D-24 and D-25 on June 4, 2009.
- NTD Phase 1 completion on July 28, 2009.
- Phase 1 of the Baggage Handling System (BHS) operational re-scheduled for August 28, 2009. The NTD Team has mitigated possible impacts known to date.
- AA ticket counter relocation to new ticket counters to begin after August 28, 2009.
- NTI phase 1 completion on July 28, 2009.
- Opening Gates D-21, D-22, and D-23 on July 29, 2009 (domestic), September 28, 2009 (international)
- Reopening Gates D-31, D-32 on July 9, 2009.
- Concourse D remodel phase 1 completion by July 2009.

SOUTH TERMINAL PROGRAM

Summary

Phase 1 – Remaining punch list items are currently being completed. All items are scheduled to be finalized by May 14, 2009. Ongoing settlement negotiations between the County and POJV continue and a final overall settlement amount of approximately 20% below the submitted claim of \$65.2 million is expected. Ten sub-contractor claims have been resolved and executed thus far. Once a final settlement is reached, a final project change order will be presented to the BCC to close out the contract. The total cost of the settlement is expected to be within the existing authorized contract amount.

Phase 2 – The work is nearing completion and this portion of the project is expected to open by May 14, 2009. Punch list and testing for final acceptance have begun. Any disputes known prior to March 31, 2009, have been included as part of the Phase 1 negotiations and potential settlement.

MIA MOVER

The MIA Mover will be a 1.25 mile elevated People Mover system with capacity to transport more than 3,000 passengers per hour. It will link the airport to the Miami Intermodal Center (MIC), a central transportation hub funded by the Florida Department of Transportation. It is anticipated that the MIA Mover will eliminate 30 percent of MIA's daily traffic, saving hundreds of thousands of rental car shuttle trips through the airport's congested roadways. Groundbreaking was held March 2.



Assistant County Manager