

Special Inspections Interim Report

No. 03

TO: Paul Bradbury, P.E., Roy Williams @ Portland International Jetport
FROM: Todd M. Neal, P.E.
DATE/TIME: December 09, 2004
Project: **Portland International Jetport Additions and Alterations
Easterly Expansion of Baggage Claim Facility**

Demolition and excavation for this project began in the first part of July and we started our Special Inspections on July 16, 2004. The following is a summary of the work completed through the month of September 2004.

Baggage Claim Addition

At this time the foundation work is 99% complete with only footings required for the ground transportation booth.

Erection of the steel structure is complete and at this time the all moment connections have been tested and past. We do not have a final report on the visual inspection of the bolted and welded connections at this time.

The first floor slab on grade and second floor composite deck have been placed. The seven day test results on the concrete look good. The contractor has been very conscious about the weather and is taking the necessary actions for cold-weather concreting. On the coldest days the concrete supplier has been adding warm water to the mix to maintain minimum temperatures.

Precast hollow core planks have been installed and grouted. The concrete topping in the penthouse has not been completed at the time of this report.

Architectural precast wall panel installation is complete. There a couple of spalls in the wall panels. It is my understanding that the fabricator will return in the spring to patch these areas. The spalls are not a structural concern. They appear to be the result of misplaced lifting inserts and erection techniques.

Overall the work has been satisfactory to this point. The following items have been encountered since our last report:

1. Anchor bolts at X/41 & X/44 were installed without enough projection and the pier at X.2/49.8 was constructed 4" short. Details were provided by BSE and repairs made in the field. At the time of this report the details had not been completed as per SKST-14. Washer stacks have been used as opposed to the plate washers indicated. LedgeWood has been informed of this and are in the process of replacing washer stacks.
2. The architectural wall panel connection at the second floor on line Y.1 at line 38 was altered due to the existing concrete structure. BSE prepared connection revision detailed on SKST-16. The second floor slab was placed prior to completing this repair. BSE is working with LedgeWood to repair this in the field. Panel still needs to be jacked into place.
3. The second floor composite slab was placed on December 1, 2004. BSE was not informed of the placement and did not perform a pre-pour or placement review of the slab. We have requested the daily report from the Clerk for review.

The concrete strength tests received since the last interim report are consistent and over the strength requirements excepted.

Canopy Extension

No new work has been completed on the Canopy extension since our last report.

If you have any questions or would like additional clarification please do not hesitate to contact us.

**CC: Phil Doughty @ PDA, Mike Nugent @ the City of Portland.
Attachments: Observation Reports 21 to 32**