Item No. 7b_supp

Date of Meeting May 27, 2014





SEATAC INTERNATIONAL AIRPORT



PROGRAM COMMISSION UPDATE FIRST QUARTER 2014



- C800544 NS NorthSTAR Program George England, Program Manager Overall management of the NorthSTAR program including program controls.
- C800556 NS NSAT Renov NSTS Lobbies Greg Vouros, Project Manager Renovation and expansion of the North Satellite, including seismic reinforcement, gate relocations and penthouse.
- C800547 NS Conc C Vertical Circulation Joe Nessel, Project Manager Exterior vertical circulation at Concourse C gates C-2/4, C-10/12 and C-14 to improve efficiency and customer service.
- C800545 NS Main Terminal Improvements Joe Nessel, Project Manager Improvements to curbside, ticket lobby, Main Terminal north checkpoint (#5), and demolition of Zone 7 ticket counters.
- C800555 NS Refurbish Baggage System Ken Warren, Project Manager Baggage system refurbishment in support of Alaska Air Group (AAG) operations in the North Satellite and Concourse D.
- C800554 NS Concourse C&D Exterior Stairs Not Yet Approved New exterior stairs at Concourses C & D to enable aft loading of aircraft. (Project is currently Status 1.)







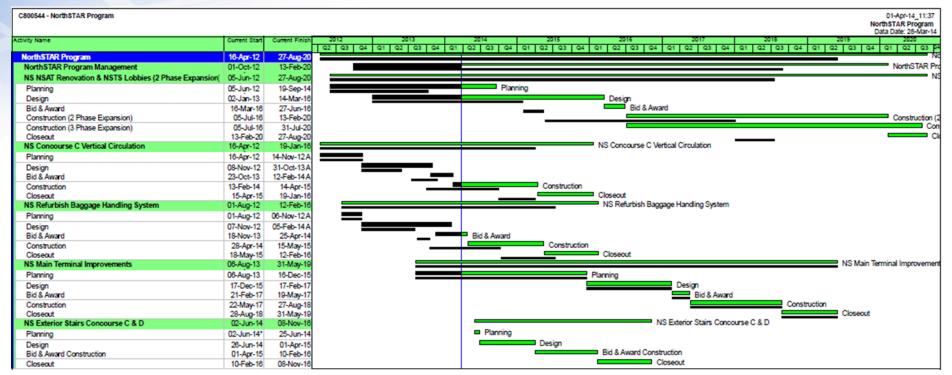
Estimated: \$490M

EU. 5490IVI							
Original	Approved	Current	Current	Pending	Remaining	Expended to	Forecast at Completion
\$	\$	\$	\$	\$	\$	\$	\$
\$ 13,000,000	\$ 2,400,000	\$ 15,400,000	\$ 3,600,000	\$ -	\$ 264,598	\$ 2,030,184	\$ 15,400,000
\$ 30,000,000	\$ (800,000)	\$ 29,200,000	\$ 1,500,000	\$ -	\$ 2,606,000	\$ 44,063	\$ 29,200,000
\$ 19,300,000	\$ (774,700)	\$ 18,525,300	\$ 18,511,311	\$ -	\$ 3,203,811	\$ 1,783,440	\$ 18,525,300
\$ 22.000.000	\$ (500.000)	\$ 21.500.000	\$ 21.500.000	\$ -	\$ 2.853.602	\$ 1.190.587	\$ 21,500,000
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\$194.300.000	\$ 14.046.357	\$208.346.357	\$ 32,933,556	\$ 175.201.643	\$ 20.823.000	\$ 4.355.623	\$383,548,000
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\$ -				\$ -	\$ 3,765,402		\$ -
\$278,600,000	\$ 14,371,657	\$292,971,657	\$ 78,044,867	\$ 175,201,643	\$ 33,516,413	\$ 9,403,897	\$468,173,300
\$ 21,400,000	\$ -	\$ 21,400,000	\$ -	\$ -	\$ 3,168,779	\$ -	\$ 21,400,000
\$300,000,000	\$ 14,371,657	\$314,371,657	\$ 78,044,867	\$ 175,201,643	\$ 36,685,192	\$ 9,403,897	\$489,573,300
		\$ 278 901	\$ 278 901	¢	\$ -	\$ 278 901	\$ 278,891
		270,031	270,031	7	Ÿ	270,031	270,031
		\$ 315,400	\$ 315,400	\$ -	\$ -	\$ 66,478	\$ 95,400
			,				
		\$ 275,000	\$ 275,000	\$ -	\$ -	\$ 48,940	\$ 275,000
		\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 23,525	\$ 500,000
	\$ 13,000,000 \$ 13,000,000 \$ 30,000,000 \$ 19,300,000 \$ 22,000,000 \$ - \$278,600,000 \$ 21,400,000	Original Budget \$ Approved Transfers/Trends \$ \$ 13,000,000 \$ 2,400,000 \$ 30,000,000 \$ (800,000) \$ 19,300,000 \$ (774,700) \$ 22,000,000 \$ (500,000) \$ 194,300,000 \$ 14,046,357 \$ - \$ 278,600,000 \$ 14,371,657 \$ 21,400,000 \$ -	Original Budget \$ \$ Approved Transfers/Trends \$ \$ Current Budget \$ \$ \$ 13,000,000 \$ 2,400,000 \$ 15,400,000 \$ 30,000,000 \$ (800,000) \$ 29,200,000 \$ 19,300,000 \$ (774,700) \$ 18,525,300 \$ 22,000,000 \$ (500,000) \$ 21,500,000 \$ 194,300,000 \$ 14,046,357 \$ 208,346,357 \$ - \$ 21,400,000 \$ 21,400,000 \$ 300,000,000 \$ 14,371,657 \$ 292,971,657 \$ 278,891 \$ 315,400 \$ 275,000 \$ 275,000	Original Budget \$	State	FINANCIAL STATUS: NorthSTAR Program Original Budget Sudget S Courent Budget S Authorization S S S 13,000,000 Approved Transfers/Trends S S S S S S S S S S S S S S S S S S S	Section Property Property





NORTHSTAR PROGRAM OVERALL SCHEDULE



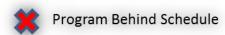
	Summary	Baseline (BL)	
•	Milestone	Last Month (LM)	
	Progress		
	Not Critical (Current)		
	Critical		

North STAR Program Progress					
	Design Phase		Construction Phase		
	Plan	Actual	Plan	Actual	
North Satellite/STS Renov.	30%	17%	0%	0%	
Conc C Vertical Circulation	100%	100%	45%	0%	
Refurbish Baggage Handling	100%	100%	40%	0%	
Main Terminal Improvement	0%	0%	0%	0%	
Conc C/D Exterior Stairs	0%	0%	0%	0%	



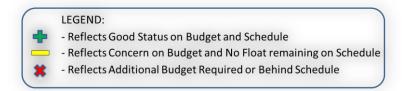


CIP: C800544 – NS NorthSTAR Program



Accomplishments:

- Monthly Program Status Reviews with AAG.
- Received updated AAG organization chart with refined roles & responsibilities.
- Completed fourth quarter 2013 Commission briefing.
- Presented quarterly program update to the Airport Airlines Affairs Committee (AAAC) and at Port/AAG Summit.
- Developed initial public & employee communication plan for each project within the program.
- Developed project status legend for immediate awareness of project status as follows:









CIP: C800544 – NS NorthSTAR Program (continued)

Progress:

- Evaluating AAG's refined roles & responsibilities for incorporating into program's decision matrix.
- Updating program organizational chart to reflect AAG changes that better support the program.
- Updating overall program schedule to reflect schedule changes to each project.

Issues:

Continue refining Program/Project specific performance metrics per Commission request.







CIP: C800544 – NS NorthSTAR Program (continued)

Metrics:

Program Progress	Actual	Planned /Forecast	
Cashflow (for 1st Qtr 2014)	\$1.91M	\$2.63M	
Budget	\$314.7M	\$489.6M	
Schedule % Complete	2.0%	5.1%	
Contingency Remaining	\$36.69M	\$29.48M	

Risks:

- Communication and coordination between multiple teams, stakeholders and people.
- Assure baseline schedule concurrence of all stakeholders.







What's Going On?

UPGRADING YOUR EXPERIENCE

and new elevators on Concourse C at C2, C10 & C16

When: Construction through Spring of 2015

 No more carrying bags up and down the stairs · Better access for travelers with wheelchairs and strollers

New covered walkways coming in 2015

What: Gently sloping walkways, new covered ground walkways,

Why: Improve your experience getting to and from the aircraft

COVERING YOUR JOURNEY

NEW COVERED WALKWAYS

The Port of Seattle, in partnership with Alaska Airlines, is building new covered walkways to shelter you from the weather, and enhance your experience all the way to your plane on the tarmac.



Upgraded Access Coming in Spring 2015

SEATTLE-TACOMA INTERNATIONAL AIRPORT





SEATTLE-TACOMA INTERNATIONAL AIRPORT



Upgraded access coming in 2015

What to Expect:

- · Construction primarily outside the terminal
- · Walking around cones and going through construction tunnels to and from the aircraft
- · Easy to follow pathways, clear signage, and assistance from employees to help you find your departure gate without delay

This renovation is an unprecedented working arrangement between the Port of Seattle and Alaska Airlines to better serve passengers.



SEATTLE-TACOMA INTERNATIONAL AIRPORT



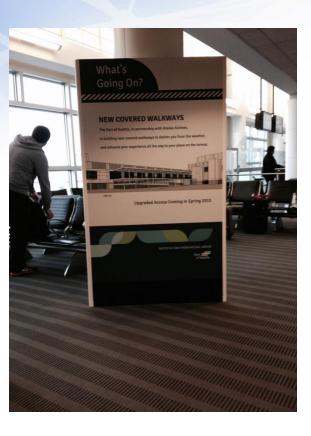


















Alaşka Air Group

PROGRAM NSAT

MAIN

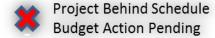
BHS

C/D-STAIRS



NS NSAT RENOVATION & NSTS LOBBIES

CIP: C800556 - NS NSAT Renovation & NSTS Lobbies



Accomplishments:

- Completed the 15% conceptual design phase with the basis of design report that selected the best conceptual design for continued development.
- Briefed the Commission on the need and recommendation to expand the satellite and add five additional gates.
- Completed six days of multi-disciplinary design workshops to start 30% design.
- Refined construction phasing options and associated schedules validating two phased construction is viable.
- Completed NSAT Level-of-Service analysis that refined the concourse and penthouse floor plans to better balance holdrooms, concessions and circulation.
- Developed prioritized list of potential sustainable design options for further evaluation during design.
- Evaluated existing NSAT STS loop wayfinding signage recommending immediate interim improvements.
- Made decision to evaluate GCCM project delivery for NSAT renovation based on recent changes in law.
- Port and AAG determined piers are preferred if the NSAT baggage system is expanded.
- Incorporated dual door operations into NSAT at AAG's request for its evaluation.





NS NSAT RENOVATION & NSTS LOBBIES

CIP: C800556 - NS NSAT Renovation & NSTS Lobbies

Progress:

- Refining details of holdrooms, restrooms, concession lease areas, support spaces, circulation, and shared public space.
- Developing and evaluating building massing studies.
- Staff collaborating to develop sustainable design concepts for the renovation to reduce energy and water use.
- Evaluating experiential sustainable concepts for possible inclusion into the design
- AAG evaluating implementation of dual door operations to NSAT design.
- Evaluating the incorporation of a tri-taxilane at the perimeter of NSAT.
- Continuing negotiations with the design team for the expansion of NSAT.
- AAG is continuing to develop innovative ways to process departing passengers at NSAT.
- Continuing to develop concepts for using technology to enhance passenger experience within NSAT.
- Developing phasing plans that will minimize passenger inconvenience during construction.
- Conducting passenger survey pertaining to STS transit between NSAT and main terminal.





NS NSAT RENOVATION & NSTS LOBBIES

CIP: C800556 - NS NSAT Renovation & NSTS Lobbies (continued)

Issues:

- Commission had not yet authorized the expansion of the satellite and add five additional gates.
- Construction phasing options require coordination with AAG 2017 2022 projected gate operations.
- Procurement strategy for long-lead procurement items must be developed.
- Need decision by May 19, 2014 on AAG incorporating dual door operations into NSAT expansion.

Risk:

- Airlines nor Commission support expanding the satellite.
- Ability to minimize disruption to Airport operations (AAG & concessions) during construction.
- Extended overall project schedule due to Dual Door option evaluation and construction phasing.
- Inadequate existing electrical and mechanical infrastructure to support facility expansion.





NS CONCOURSE C VERTICAL CIRCULATION

CIP: C800547 - NS Concourse C Vertical Circulation

Project has no float remaining on the Schedule

Accomplishments:

- Received 7 bids; Forma Construction Co. low at \$8,719,940; 15% below the engineer's estimate of \$10,249,300.
- Awarded contract to Forma.
- PCS removed four (4) passenger loading bridges in March. Impacted Horizon inbound flights at 1 gate during first bridge removal. Subsequent bridge removals occurred without issue.

Progress:

- Pre-construction submittals by Forma progressing well; NTP for construction anticipated in April.
- Conducting extensive construction coordination between Port, AAG and respective contractors.

Issues:

- Complex phasing of sloped walkways to maintain airline operations during construction
- Extensive coordination with AAG ground level walkways construction.





NS CONCOURSE C VERTICAL CIRCULATION

CIP: C800547 - NS Concourse C Vertical Circulation (continued)

Metrics:

Concourse C Vertical Circulation	Actual	Anticipated / Planned
Delayed Outbound Bags	0	0
Delayed Outbound Flights	0	0
Safety Hazard Reports (Above Level 2)	0	0
Customer Complaints Received	0/mo	5/mo
Construction Change Orders Processed	0	0

Two situations: Had wingtip clearance item during restriping of aircraft positions that required monitoring AAG determined not a hazard. Delayed Horizon inbound morning flights at 1 gate during removal of the C10 loading bridge that AAG determined not a hazard since it was corrected in a timely manner.

Risk:

- Contractor impacted by changes to construction phasing due to operations.
- Addition of scope due to unforeseen aesthetic issues and changes to operations.

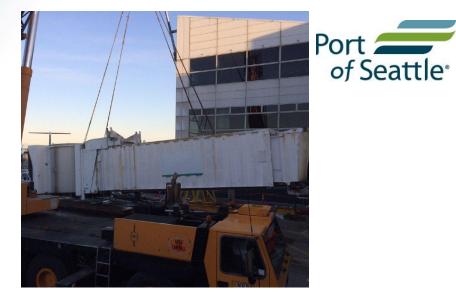




Horizon Planes new parking spaces



Where old C4 walkway Came Out



C12 Bridge Removal



C2 Temporary Walkway







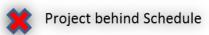
737-800 Fit Test at new C8 Parking spot





MAIN TERMINAL IMPROVEMENTS

CIP: C800545 - NS Main Terminal Improvements



Accomplishments:

Advertised for Consultant to perform preliminary engineering and facility analysis.

Progress:

Responding to proposers questions; statements of qualifications due in April.

Issues:

- Coordination with the NSAT design concept to ensure a cohesive look/feel.
- Coordination with AAG & TSA on Checkpoint 5 reconfiguration.
- Prioritizing project scope items relative to project budget and need.
- Coordination with upcoming Sustainable Master Plan and Terminal Development Strategy.

Risk:

Least defined scope relative to the program budget.





NS REFURBISH BAGGAGE SYSTEM

CIP: C800555 - NS Refurbish Baggage System

Project has no float remaining on the Schedule

Accomplishments:

- Commission authorized advertisement for bid and use of Port crews.
- Completed Bid documents incorporating independent reviewer comments, results from the completed C-92 Final Failure Analysis and removal of regulated materials (asbestos).
- Received building permit and advertised for bids in February.
- PCS began upgrades to baggage system in tunnel.

Progress:

- Responding to contractor questions and issue addenda as necessary.
- Closing out existing Consultant service directives and negotiating for construction support.
- PCS continues upgrading baggage system in tunnel

Issues:

- Consultant performance resulted in 8 week delay; notified responsible for associated future impacts.
- Extended Substantial Completion 26 weeks due to changes in design, Consultant performance, construction sequencing, operational constraints requested by AAG, scope additions and cost increases.



NS REFURBISH BAGGAGE SYSTEM

CIP: C800555 - NS Refurbish Baggage System (continued)

Metrics:

Refurbish Baggage System	Actual	Anticipated / Planned
System Shutdowns	1	10
Operational Impacts	0	8
Unplanned System Downtime < 15 min	0	0
Construction Change Orders Processed	0	0

Risk:

• NSAT expansion decision may impact baggage handling system refurbishment requirements as to capability to handle forecasted bag volume and speed. Evaluating mitigation options.





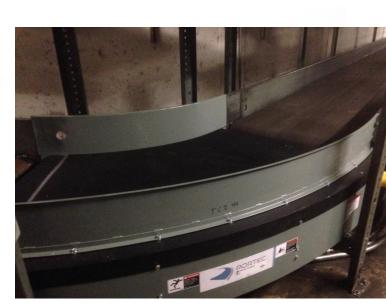


Port ______ of Seattle

Power Turn Demolition



Tunnel Power Turn



Power Turn in Progress

TC2 44 Installed





NS CONCOURSE C&D EXTERIOR STAIRS

CIP: C800554 - NS Concourse C&D Exterior Stairs

Accomplishments:

• This is a Status 1 prospective project. A decision whether to include in the program will be made in the future.



C/D-STAIRS

BHS