

Item No. _Supp
Date: May 23, 2017

Capital Improvement Projects

**First Quarter Report
2017**

Commission Briefing



91 Capital Improvement Projects

Overall Status of Projects

- 91 Total Projects in report (78 CDD, 13 ICT)
- 53 Projects are within or ahead of target schedule and budget
- 35 Projects have either target schedule or budget off with 7 new Reportable Variances for this Quarter.
- 3 Projects have both target schedule and budget off with no new Reportable Variance for this Quarter.
- 9 Projects are Substantially Complete

Capital projects managed by CDD and ICT

CDD Projects by Status, by Quarter

Off Schedule and Budget



100%

Off Schedule or Budget



90%

80%

70%

60%

50%

40%

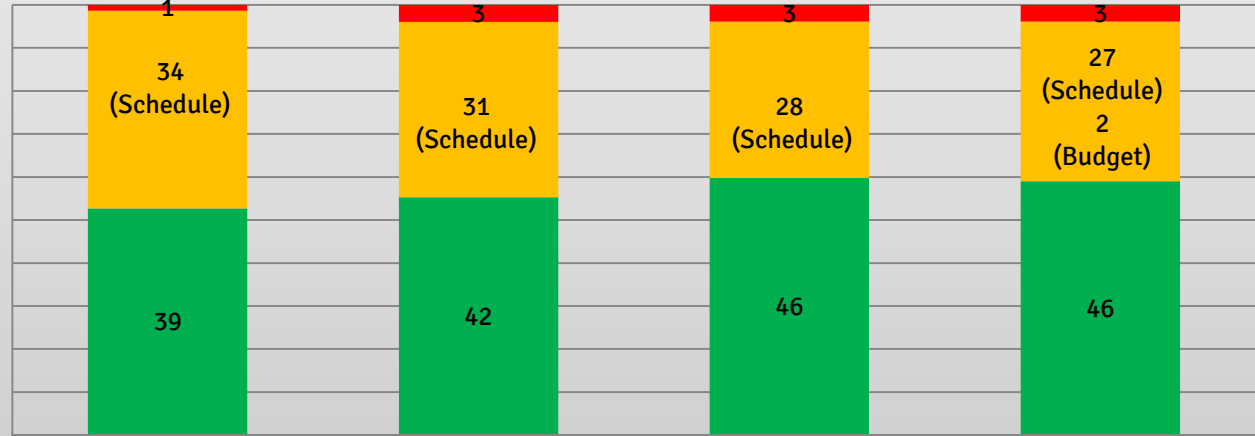
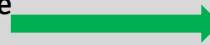
30%

20%

10%

0%

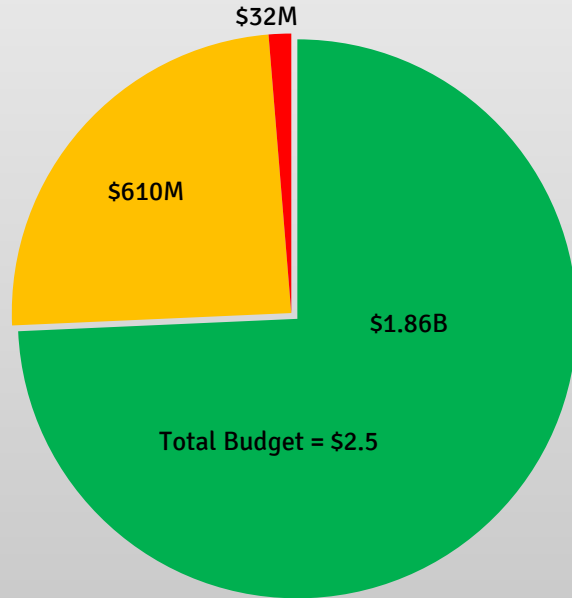
On Schedule and Budget



	2Q16 Report	3Q16 Report	4Q16 Report	1Q17 Report
■ Series3	1	3	3	3
■ Series2	34	31	28	29
■ Series1	39	42	46	46

Target: 60% green, 40% amber, 0% red

CDD Projects by Dollar Value



Project off schedule and budget

- C3 Holdroom Expansion - \$5.1M
- CTE HVAC/ADR Infrastructure - \$6.6M
- MT So Low Voltage - \$20.7M



Projects with Budget of \$25M or more that have a Schedule Variance

- Checked Bag Recap Optimization - \$445M



Other Projects with Budget of \$50M or more

- International Arrivals Facility - \$660M
- NS NSAT Renovation NSTS Lobbies - \$548M
- RW16C-34C Reconstruct Design - \$101M
- PC Air - \$55M
- E. Marginal Way Grade Separation - \$56M

Major projects are green

Capital Budget

- Facing risk of cost increases on N Satellite, IAF
- Aviation Capital Budget 2017 spending forecast at 89%
- Project cost growth will impact future years and budgets will be adjusted
- Current program is affordable; SAMP may be constrained.

Impact of project cost growth on overall program affordability

Aviation Project Summary

- Three new project are behind schedule
 - Concessions Infrastructure (Airport Dining and Retail) – Delay from the issuance of Lease Group 3
 - Checked Baggage Optimization – Delay in contract execution caused a one month delay for Phase 1; Subsequent Phases delayed up to four months due to a more detailed schedule analysis (All phases anticipated to complete in Q4 2023)
 - D6 Gate Modifications – delays in permitting, fabrication, and finish work
- Two new projects are projecting budget overruns
 - Concourse B Holdroom – Unforeseen site conditions, added scope, and errors & omissions
 - Emergency Generator Controls – scope refinement and phasing has increased costs

5 new budget and schedule variances out of a total of 63 Aviation projects

Aviation Projects Substantial Completion



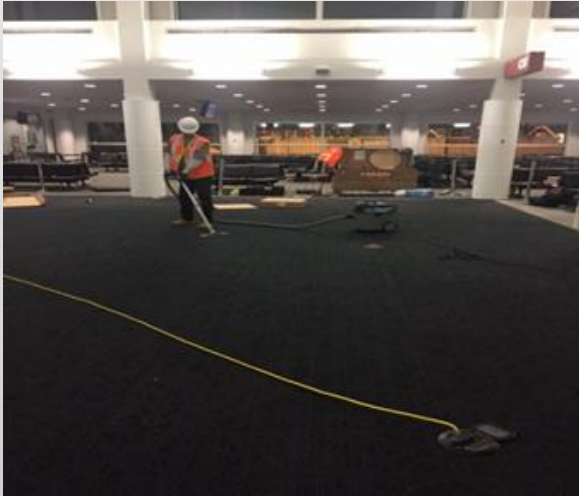
Construction Logistics – CPL Bus Stops



Construction Logistics – Field Offices

9 projects reached substantial completion

Aviation Projects Substantial Completion



Concourse A/B/C Carpet Replacement



Interim Baggage – TSA Search Room

9 projects reached substantial completion

Aviation Projects Substantial Completion



2016 Fuel System Modifications



Zone 5 Window Ticket Counter

9 projects reached substantial completion

Aviation Projects Substantial Completion



Gate B9 PLB



Gate B7 PLB



Gate B7A PLB

C800873 - Concourse B Gate Reconfiguration

9 projects reached substantial completion

Aviation Projects

Q1 Budget Returns (Savings)

Project	Savings (in thousands)
RW16C-34C Design and Reconstruct	\$2,035
Fuel system Modifications	\$2,200
Concourse A, B & C Carpet Replacement	\$1,549
All others	<u>\$1,105</u>
Total	\$6,689

Total of \$6.689M in savings returned

Maritime/Economic Development Project Summary

- Shilshole Tenant Service Buildings reporting a new schedule delay attributed to shift in design direction.

One new variance out of 15 projects

Maritime/Economic Development/NWSA Projects Substantial Completion

No projects reached substantial completion in 1st Quarter

No projects this quarter

Information & Communication Technology Project Summary

- One new schedule variance
 - Airport Data Network Switch Upgrade – System deployment delayed due to an unexpected firewall procurement requirement and opportunity. By completing a competitive procurement during this project we are able to set a standard that will reduce maintenance costs and maximize training benefits.

1 new variance out of a total of 13 ICT Projects