

**Commission Staff Briefing**

**Capital Improvement Projects**

**Fourth Quarter Report 2016**

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**Port of Seattle  
Capital Improvement Project Report  
Fourth Quarter 2016**

## Introduction

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The Port of Seattle is a municipal corporation chartered by the State of Washington with the mission to be an economic engine for the Puget Sound region and the State. A primary activity of the Port is to create capital assets that allow the efficient flow of goods and people into and out of the area. The intent of this report is to provide the public with high level information on the status of the Port's capital projects.

## Background

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During 2016, the Port plans to invest \$408,400,000 to expand and upgrade the infrastructure that supports marine and aviation commerce. Funding for the Port comes mainly from the users of the facilities, including shipping companies, airlines, rental car companies, concessionaires and public parking. About 2 percent of the Port's capital budget comes from a tax levy on property in King County. The Tax Levy funds are used selectively for investments in transportation facilities, real estate capital projects and environmental and noise mitigation projects.

The Port is dedicated to sound stewardship of the resources its customers and the public entrust to it. This means accomplishing its mission efficiently, effectively and economically, and making its actions transparent to its business partners and the general public.

## About the Report

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The report will provide general information on the project description, status, significant developments, schedule, budget, change orders, risks, budget transfers, and cost growth of construction if it exceeds 10% of contract. The report may include graphics that report project costs compared to authorization, construction costs (including change orders (CO)) compared to the construction contract, location maps, and photographs. The Port implements a number of different types of projects and not all information may be relevant to a specific project; as such, the reports may vary in detail and content. Project types may range from construction, to noise mitigation, to technology.

The project description includes the project title, project number (Capital Improvement Project (CIP)), project phase, and estimated completion date (substantial completion). This section also includes "Project Status" illustrating at a glance if the project is on schedule, and within budget, and the date Construction authorization received.

- **Significant Developments** covers items such as accomplishments, significant events or milestones, contract advertisements and awards, upcoming activities, and environmental issues.
- **Schedule** includes information on the project schedule, the total schedule variance and variance since the last report, contract extensions, and information on critical dates.
- **Budget** addresses the total project budget and includes information on the overall budget status, recent Commission authorizations, forecasted overruns or savings, and scope changes.
- **Change Orders** provides information on current quarter's COs and total project COs including justification for CO's for the reporting period and information on any CO over \$200,000 or 10% of the contract value.
- **Cost Growth of Construction** provides a brief description of any project with CO exceeding 10 percent.
- **Risks** describe any significant risk of delay, any significant risk to cost, or any significant CO.
- **Budget Transfers** reports any transfers between authorized projects during the reporting period.

Additional information may include graphics indicating budget, construction costs, location, and photographs. These reports intend to meet the reporting requirements of Port of Seattle General Delegation of Authority and the Commission motion on January 8, 2008' regarding "Reports on Major Capital Projects."

## Additional Information

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For additional information, please visit the [Contact Us](#) page on the Port of Seattle web site to ask a question, make a comment or request a copy of the State Audit Reports Response and Action Plan.

## Charts from PowerPoint

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Project Title	Page
Q4 CDD Projects by Status Chart.....	6
Q4 CDD Projects by Dollar Value Chart.....	7

## Aviation

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CIP Number	Project Title	Page	Overall Project	Variance	
			Status	Schedule	Budget
C101107	160th GT Lot	8		<input checked="" type="checkbox"/>	
C102112	Hennelly Service Tunnel Renewal Rep	9			
C800019	Gate Utilities Improvement	10		✓	
C800061	Main Terminal South Low Voltage	11		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
C800107	C4 UPS System Improvements	12		<input checked="" type="checkbox"/>	
C800238	Central Plant Pre-Conditioned Air	13			
C800247	Cargo 2 West Hardstand	14			
C800251	Vertical Conveyance Modernization	15		<input checked="" type="checkbox"/>	
C800335	EGSE Electrical Charging Stations	16-17			
C800390	Cargo 6 Enhancements	18			
C800406	RW 16C/34C Reconstruction	19			
C800451	Doug Fox Site Improvement	20		<input checked="" type="checkbox"/>	
C800464	Fiber Infrastructure to Gate Backstands	21		<input checked="" type="checkbox"/>	
C800483	Airfield Pavement Program	22			
C800497	Airport Wide Mechanical Controls System	23			
C800538	Utility ER Backup Standby	24			
C800544	NorthSTAR Program	25			
C800549	SSAT Interior Renovations	26		<input checked="" type="checkbox"/>	
C800556	NorthSTAR North Satellite Lobbies	27			
C800581	Parking Garage Lights	28			
C800583	International Arrivals Facility	29			
C800585	Wi-Fi Enhancement for Ramp and Terminal	30		<input checked="" type="checkbox"/>	
C800605	Security Exit Lane Breach Control Phase II	31		✓	
C800612	Checked Baggage Recap/Optimization	32			
C800637	2014-15 Roof Replacement	33		<input checked="" type="checkbox"/>	
C800638	Dining and Retail Infrastructure Modernization	34			
C800642	CCTV Camera Data Improvements	35		<input checked="" type="checkbox"/>	
C800648	Emergency Phones Rev	36		<input checked="" type="checkbox"/>	
C800653	Passenger Loading Bridge Renew	37			

## Aviation, cont.

CIP Number	Project Title	Page	Overall Project Status		Variance	
			Schedule	Budget	Schedule	Budget
C800688	Construction Logistics Expansion	38-39	●	✓		
C800692	2016 Fuel System Modifications	40	●	☒		
C800695	C3 Holdroom Expansion	41	●	☒		✓
C800697	Concourse B, C and D Restroom Upgrades	42	●			
C800699	Electric Utility SCADA Utility	43	●			
C800702	2015-2016 C Concourse Roof Repl	44	●			
C800708	S. Utility Tunnel Steam Pipe Upgrade	45	●	☒		
C800716	Central Terminal Stairs	46	●			
C800717	N. Terminal Utilities Upgrade	47	●			
C800722	CTE HVAC	48	●	☒		✓
C800724	Concourse C New Power Center	49-50	●	☒		
C800760	Auburn Mitigation Rd Removal	51	●	☒		
C800761	Concourse B Ramp Level Holdroom	52	●			
C800766	Concourse A B and Carpet Replacement	53	●			
C800769	Concourse D Hardstand Terminal	54	●			
C800770	AD Concourse B Roof Replacement	55	●			
C800771	D6 Gate Modifications	56	●			
C800781	SSAT Narrow Body Configuration	57	●			
C800784	Emergency Generator	58	●			
C800802	Airport Automatic Tag Reader Repl	59	●			
C800818	SSAT Structural Improvements	60	●			
C800824	Zone 5 Window Ticket Counter	61	●	✓		
C800825	Interim Baggage System Program	62-63	●	✓		
C800858	Checkpoint 5 Wall Replacement	64	●	✓		
C800873	Concourse B Gate Reconfiguration	65	●			
C800880	Employee Security Screening	66	●			
E104395-6	Lora Lake	67	●			
U00225	Flight Corridor Safety Prog Ph 1	68	●	☒		
U00234-U00237	Tenant US Air Ticketing ATO Zone 3	69	●			
U00239	NERA Program	70	●			

## Other Aviation

CIP Number	Project Title	Page	Overall Project Status		Variance	
			Schedule	Budget	Schedule	Budget
C200007	Highline School Noise Insulation	71	●	☒		
C200093	Single Family Home Sound Insulation	72	●			
C800154	Tenant Reimbursement	73	●			

## Maritime

CIP Number	Project Title	Page	Overall Project Status		Variance	
			Schedule	Budget	Schedule	Budget
C102858 et al.....	Street Vacations T-5/18/105.....	74-75.....	●	☒		
C800160 .....	T-91 Lighting Upgrade .....	76 .....	●	☒		
C800356 .....	Shilshole Tenant Service Buildings .....	77 .....	●			
C800439 .....	T-91 Substation Upgrades.....	78 .....	●	☒		
C800525 .....	FT Gateway Building .....	79 .....	●			
C800526 .....	FT Net Sheds 3, 4, 5 & 6 Roof Replacement.....	80 .....	●			
C800546.....	Argo Yard Truck Roadway .....	81 .....	●			
C800620-U00064	T-46 Permit Mitigation .....	82 .....	●	☒		
C800675 .....	P91 South End Fender .....	83 .....	●	☒		
E102007.....	East Marginal Way Grade Separation.....	84 .....	●			
E104324.....	Viaduct Construction Coordination .....	85 .....	●	☒		
U00218 .....	P66 Alaskan Way Street Improvements.....	86 .....	●			

## Economic Development

CIP Number	Project Title	Page	Overall Project Status		Variance	
			Schedule	Budget	Schedule	Budget
C800196 .....	T-102 Roof and HVAC .....	87 .....	●			
C800698.....	P69 Beam Rehab .....	88 .....	●			
C800889.....	BHICC Interior Modernization .....	89 .....	●			

# Corporate

CIP Number	Project Title	Page	Overall Project Status	Variance	
				Schedule	Budget
C800162	ID Badge Replacement	90	●	☒	
C800519	Contractor Data System Upgrade	91	●	☒	
C800521	Construction Document Management	92	●	☒	
C800709	Terminal Wide Voice Paging System	93	●		
C800728	Parking System Replacement	94	●		
C800729	Vessel Moorage System	95	●		
C800746	Maximo Upgrade	96	●	☒	
C800748	Remote Data Ctr Business Continuity	97	●	☒	
C800776	POS Website Redevelopment	98	●		
C800788	Ops Lane Core Switch Upgrade	99	●		
C800800	SEA Smartphone App	100	●	☒	
C800827	STIA Communication Infrastructure	101	●	☒	
C800835	Airport Passenger Flow System	102	●		

## Key Project Status

- Project within or ahead of target budget and schedule
- Either target schedule or budget are off
- Both target schedule & budget are off

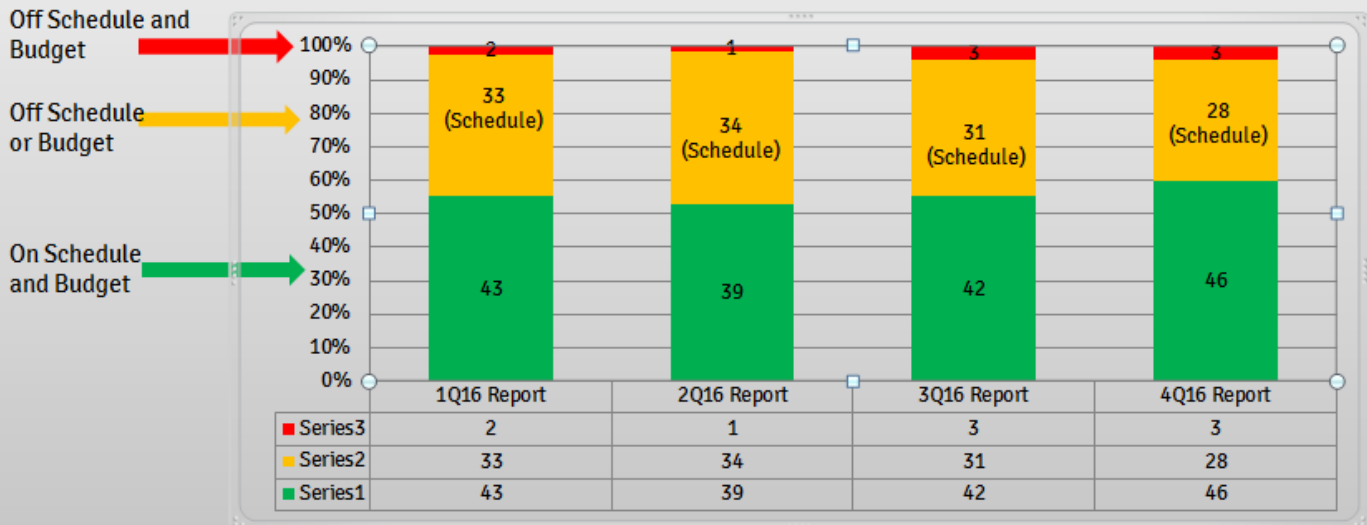
### Negative Variance Status

- ✓ New Variance
- ☒ Previously Reported

### Schedule Completion on the Project Reports refers to:

Beneficial Occupancy or Last Asset In-Use date

## CDD Projects by Status, by Quarter

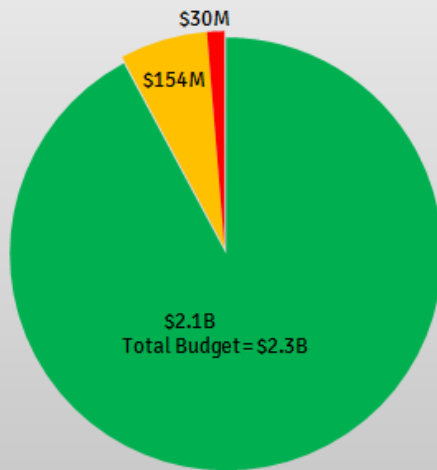


Target: 60% green, 40% amber, 0% red

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## CDD Projects by Dollar Value



- **Project off schedule and budget**
  - C3 Holdroom Expansion - \$3.3M
  - CTE HVAC - \$6.6M
  - MT So Low Voltage - \$20.7M
  
- **Projects with Budget of \$25M or more that have a Schedule Variance**
  - All projects are less than \$25M
  
- **Other Projects with Budget of \$50M or more**
  - International Arrivals Facility - \$660M
  - NS NSAT Renovation NSTS Lobbies - \$550M
  - Checked Bag Recap Optimization - \$319M
  - RW16C-34C Reconstruct Design - \$101M
  - PC Air - \$55M
  - E. Marginal Way Grade Separation - \$56M

Major projects are green

## So. 160<sup>th</sup> GT Lot Expansion

**Project:** C101107  
**Budget:** \$2,095,000  
**Phase:** Closeout  
**Start:** 2/1/2013  
**Schedule Completion:** 5/30/2016

Improve lot drainage, underground existing overhead utility lines, fencing and landscaping.

### Project Status:

Schedule: Delayed  
Budget: On or Under  
Status Reset: 9/22/2015  
*(Commission Construction Auth.)*

### Significant Developments

Puget Sound Energy (PSE) issued its bill for the project.

### Schedule

Project was rescoped at 100% design, resulting in project delivery delay.

### Budget

Staff is negotiating a final payment amount with PSE.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

Justification for COs: N/A

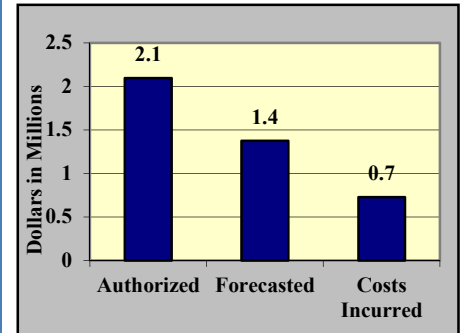
### Risks

Resolution of PSE billing issue.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

## Service Tunnel Renewal/Replace

**Project:** C102112  
**Budget:** \$27,900,000  
**Phase:** Design  
**Start:** 11/4/2012  
**Schedule Completion:** 12/31/2018

Project will seismically retrofit and structurally strengthen the airport Service Tunnel that resides between the Main Terminal and Airport Garage.

### Project Status:

Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 8/5/2014  
*(Commission Design Auth.)*

### Significant Developments

Completed and reviewed 60% and 90% design, initiated 100% design. The Loading Dock portion of the tunnel was added to the project's scope of work after modeling indicated some potential vulnerability.

### Schedule

Project is on schedule.

### Budget

The project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

Justification for COs: N/A

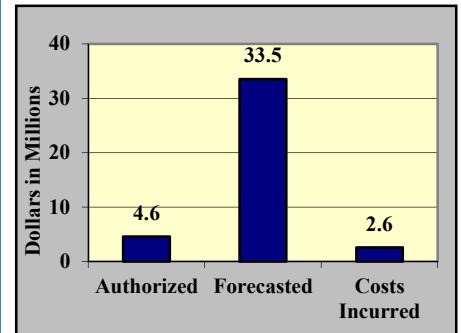
### Risks

Certain SAMP, IAF and North Terminal Utilities Update project outcomes may impact this project. This project is coordinating with these projects, Aviation Operations, ADR, and Maintenance to minimize impacts to airport operations.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

## Gate Utility improvements

**Project:** C800019  
**Budget:** \$17,234,282  
**Phase:** Construction  
**Start:** 6/28/2007  
**Schedule Completion:** 12/27/2017

Upgrade the Concourse B loading bridges to the standard 400Hz power. This will reduce aircraft emissions and noise; improve energy efficiency and save money for the airlines.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

Concourse B 400Hz construction in process; Contractor has begun onsite construction of the Motor Generator room and installation of the conduit infrastructure.

## Schedule

Seventy nine (79) day delay in issuing Notice To Proceed due to the original Motor Generator proposed by contractor not meeting Port specifications.

## Budget

The project is within the existing approved budget.

## Change Order

Reflecting Concourse B 400Hz only.

	Current Quarter	Project Total
Number of COs	3	3
Amount of COs	\$0	-\$23,098

Justification for COs: Change Order #3 issued as a credit to the Port from contractor after approval of Motor Generator substitution.

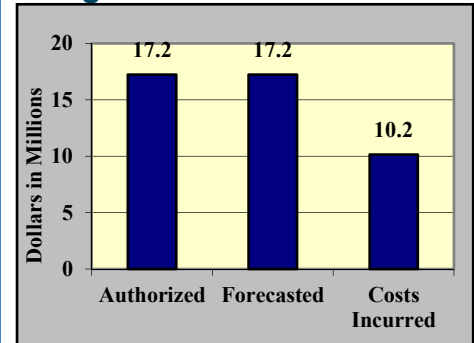
## Risks

With the Ports authorization, the contractor is supplying a Motor Generator system that was not designed by the Ports Engineer of record. Mitigation plan, Port staff will witness the Motor Generator manufactures factory acceptable quality assurance testing and approval the Motor Generators shipment to SEATAC.

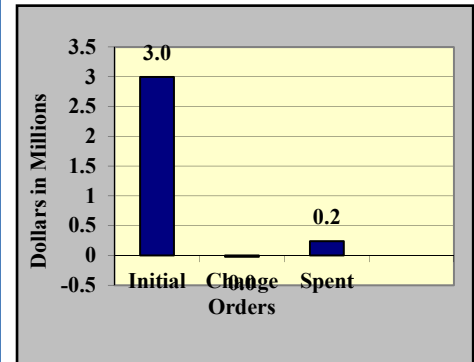
## Budget Transfers

Amount	From	To
\$500,000	C800873 – Concourse B Gate Reconfiguration	C800019 – Gate Utility Improvements

## Budget/Costs Incurred



## Construction Costs



## Main Terminal Low Voltage

**Project:** C800061  
**Budget:** 20,730,000  
**Phase:** Design  
**Start:** 6/28/2007  
**Schedule Completion:** 6/29/2021

Renewal and replacement of low voltage (600 volts and below) electrical distribution equipment in the Main Terminal.

**Project Status:**  
 Schedule: Delayed  
 Budget: Forecast Overrun  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Due to project deferral and the possibility of changes in site conditions and building codes, the design phase changed from 100% to 0% complete. Design team continued 30% design effort and concluded field exploration with expected 30% design completion in Q1 2017.

### Schedule

The scope of work, schedule and design budget will be revised in Q2 2017. The 100% design documents are scheduled for completion by the end of Q3 2018.

### Budget

The forecast will be revised at the conclusion of the 30% design. An increase in budget is expected to be required and will likely exceed the \$20.7M budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

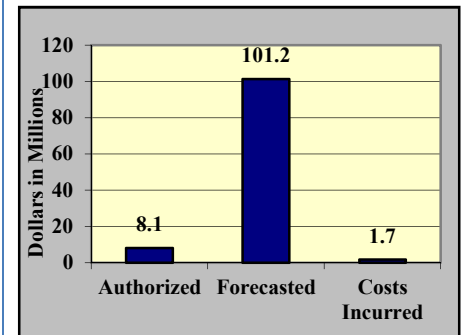
### Risks

This area is a 24/7/365 operation. Sequencing of this work is critical and electrical power has to be maintained without interruptions. Significant work growth is possible due to lack of project definition.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

### Photo



## C4 UPS System Improvement

**Project:** C800107  
**Budget:** \$4,010,238  
**Phase:** Construction  
**Start:** 4/14/2015  
**Schedule Completion:** 5/2/2018

Replace existing Uninterruptible Power Supply (UPS) System, including batteries, with a new system located in the Airport Combined Communications and Command Center (C4).

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 4/14/2015  
*(Commission Construction Auth.)*

### Significant Developments

Submittals of equipment and materials being processed. Factory Testing Plans being refined.

### Schedule

Project meeting schedule. Substantial Completion as of August 2017. Physical completion in May 2018.

### Budget

On budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

Justification for COs: N/A

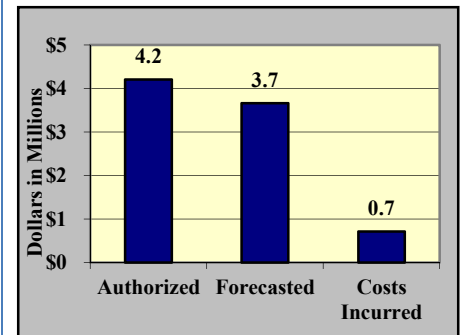
### Risks

The C4 center is a 24/7/365 operation. Detailed construction sequencing of work in design documents. This is critical since electrical power has to be maintained without interruptions. Risk mitigated in design. Contractor using Bid Document Schedule as foundation for his construction schedule. Cut-overs to be limited to short durations during low activity and air traffic time frames.

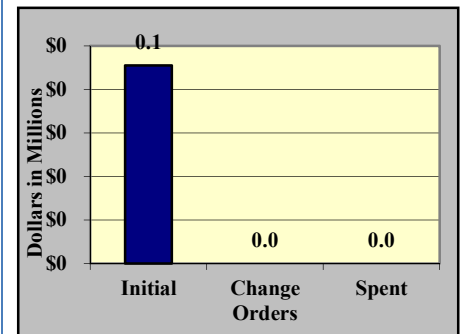
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



### Photo



## Central Plan Pre-Conditioned Air

**Project:** C800238  
**Budget:** \$55,140,463  
**Phase:** Construction  
**Start:** 6/15/2009  
**Schedule Completion:** 6/2/2017

Provide a centralized pre-conditioned air (PC-Air) plant (PCAP), associated heating and cooling piping systems and jet bridge terminal air handling units to serve airplanes with heating and cooling while at the gates.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 2/25/2014  
*(Commission Construction Auth.)*

### Significant Developments

The major-works Contractor's construction is complete. PC-Air is operating at 72 gates. The work to replace the chilled water insulation, anchor and guides on Concourse A, and the anchors and guides on Concourse B, C and South Satellite was bid in May and contract executed in July 2016. Contractor partial Notice-to-Proceed is approved in December 2016.

### Schedule

Work on insulation, anchors and guide is expected to complete by Q2 2017.

### Budget

Project is proceeding within budget.

### Change Orders

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None this quarter

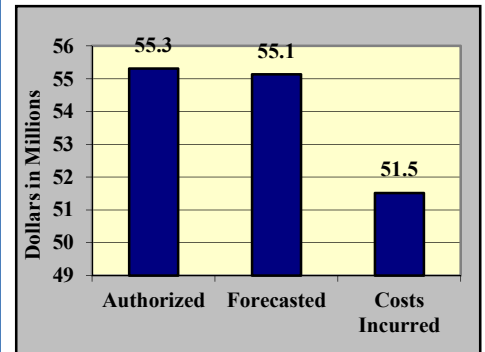
### Risks

None at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable



## Cargo 2 West Cargo Hardstand (Gate Operator Replacement and 400Hz Retrofit)

**Project:** C800247  
**Budget:** \$7,890,000  
**Phase:** Construction  
**Start:** 9/5/2012  
**Schedule Completion:** 9/30/2017

Enlarge the western cargo hardstand in the Cargo 2 area. Includes buyout of two cargo buildings and tenant relocations; relocation of FAA antenna, security gate, and guard shack; and installation of 400Hz in-ground power.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 10/8/2013  
*(Commission Construction Auth.)*

### Significant Developments

Commission authorization received for advertisement and construction for 400 Hz In-ground Power System Retrofit. The project was advertised and the contract execution occurred in Q1 2017.

### Schedule

Installation completion of new 400 Hz electrical vaults and pop-up power systems is estimated for Q2 2017.

### Budget

The project forecast is within the approved budget and authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	7
Amount of COs	\$0	\$41,909

Justification for COs: None this quarter.

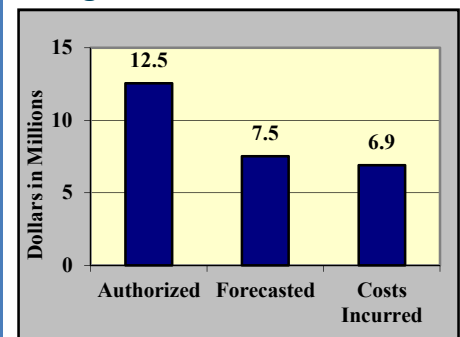
### Risks

Delay in the procurement process would impact the delivery schedule of the 400 Hz pop-up stations and the overall project schedule. Weather delays would increase the closure durations for Cargo areas.

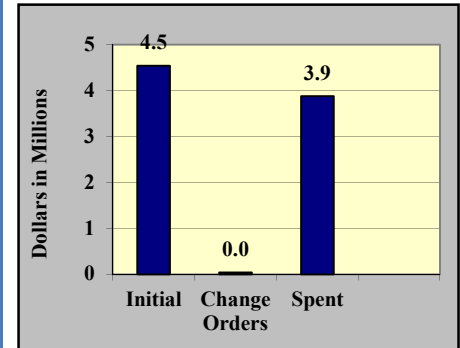
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



### Photo





## Vertical Conveyance Modernization Program - Aeronautical

**Project:** C800251  
**Budget:** \$14,056,408  
**Phase:** Construction  
**Start:** 10/25/2011  
**Schedule Completion:** 2/24/2017

Perform modernization on 9 existing elevators and 4 escalators: SSAF, MT-2, MT-3, MT-4, MT-5, MT-6, MT-7, SSB, SSC. Install new elevators SSM and SSN. Install cooling packages on 12 existing hydraulic elevators throughout Main Terminal.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 11/11/2013  
*(Commission Construction Auth.)*

### Significant Developments

Completed construction on elevators MT-4 and MT-5. Construction continues on the final elevator MT-3.

### Schedule

Construction remains underway. Contractor has exceeded contract time and has failed to complete work on time in 2016.

### Budget

The project forecast is within the approved budget; expect savings.

### Change Order

	Current Quarter	Project Total
Number of COs	17	85
Amount of Cos	\$44,627	\$315,743

Justification for COs: differing site conditions, sequencing of work, and administrative changes.

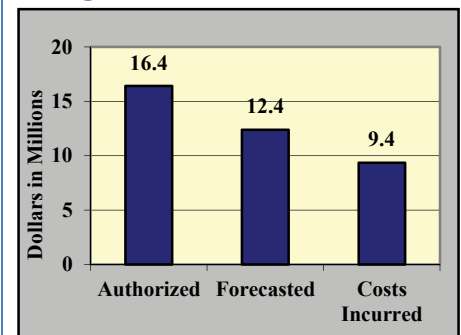
### Risks

Contractor has exceeded contract time and has failed to complete work on time in 2016.

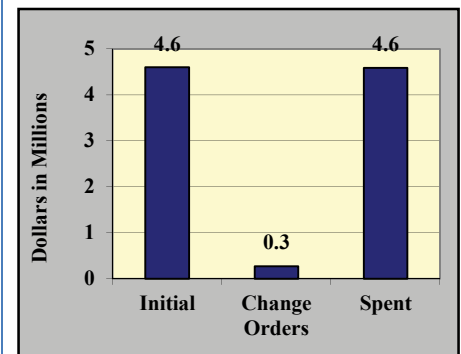
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## Electrical Ground Support Equipment (EGSE) Electrical Charge Stations

**Project:** C800335  
**Budget:** \$30,700,000  
**Phase:** Construction  
**Start:** 10/26/2010  
**Schedule Completion:** 1/3/2020

Airport-wide electrical charging system for electrical ground support equipment at the Concourses and the North and South Satellites.

**Project Status:**  
Schedule: Within or Ahead  
Budget: On or Under  
Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

#### EGSE Phase 2 Project – Concourse A, Concourse B and South Satellite:

- Chargers for Concourse A, Gates A2 and A3 installed and commissioned.
- Resolved and revised GSE Charger, Revenue Metering and Power Distribution design requirements based on GSE Phase 1 Lessons Learned.
- Coordinate charger locations with other projects at Concourse A, Concourse B and South Satellite.
- Develop Scope of Work Activities for PCS and AVM to support project design.

### Schedule

- Phase 1- Completed this phase of the Charger Program on December 21, 2015.
- Phase 2- Construction scheduled for late 2017.
- Implementation of this project will be coordinated with the Concourse C New Power Center Project to standardize the design for three power centers.

### Budget

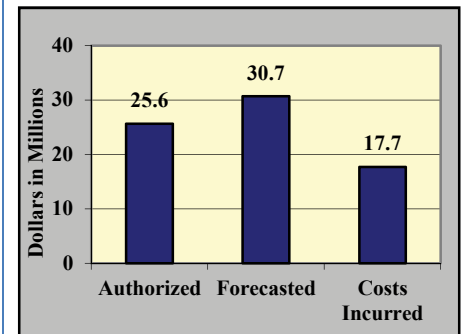
Project forecast is within the approved budget. Request authorization for construction funds and authority to advertise for construction when the design and bid documents are complete for EGSE Charger Phase 2 Project. Phase 1 completed for \$14,200,000.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None this quarter

### Budget/Costs Incurred



### Construction Costs

Not Applicable



## Risks

Coordinate with other airfield projects and Airline Gate Realignment program. Budget and schedule may affect project implementation and completion of the EGSE Phase 2 Project.

## Budget Transfers

Amount	From	To
\$0		

## Cargo 6 Enhancements (400Hz Retrofit)

**Project:** C800390

**Budget:** \$6,428,000

**Phase:** Construction

**Start:** 9/25/2012

**Schedule Completion:** 9/30/2017

Enlarge the Cargo 6 off-gate hardstand to allow simultaneous nose-loading of wide-body freight aircraft as well as provide fuel hydrant and ground power capabilities.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: 10/8/2013

(Commission Construction Auth.)

### Significant Developments

Commission authorization received for advertisement and construction for 400 Hz In-ground Power Station Retrofit. The project was advertised and contract execution occurred in Q1 2017.

### Schedule

Hardstand is complete and operational. The installation of 400 Hz electrical vaults and pop-up power systems are anticipated to be installed Q2 2017.

### Budget

The project forecast is within the approved budget and authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	9
Amount of COs	\$0.00	\$794,767.71

Justification for COs: None this quarter.

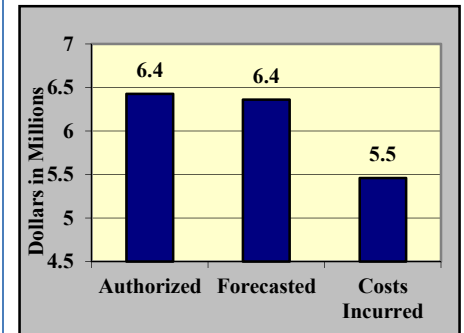
### Risks

Delay in the procurement process would impact the delivery schedule of the 400 Hz pop-up stations and the overall project schedule. Weather delays would increase the closure durations for Cargo areas.

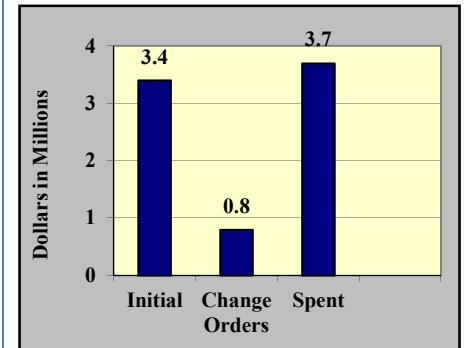
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



### Photo



## RW16C/34C Design and Reconstruction

**Project:** C800406  
**Budget:** \$101,395,000  
**Phase:** Construction  
**Start:** 5/4/2010  
**Schedule Completion:** 10/31/2016

Produce final design and reconstruct the existing RW 16C/34C in its existing location, replace TW C and N, reconfigure TWs H and J, install FOD detection equip, and LED lighting system. Reconstruct blast pads of RW16L/34R.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 12/2/2014  
*(Commission Construction Auth.)*

### Significant Developments

Runway 16C/34C has been returned to service. Construction on the SR 518 Interchange Restoration is substantially complete. Minor punch list items remain.

### Schedule

Runway 16C/34C opened for traffic on June 28th. Minor punch list items requiring runway closure will be performed the second week of October. SR 518 Interchange Restoration punch list items will be completed in Q4 2016.

### Budget

The project forecast is within the approved budget and authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	7	56
Amount of COs	\$821,346.66	\$4,180,890.72

Justification for CO's below:

- CO#8: P-403 Revision;
- CO#51: Reconciliation of CO 37;
- CO#52: 7/1/2015 – Contractor directed to evacuate runway surface due to emergency landing;
- CO #41: Repair an expansion joint;
- CO #54: Furnish 2 Constant Current Regulators;
- CO #59: Labor, material and equipment to install permanent ARFF Road;
- CO #60: Contractor shall provide stairs at the building at North Blast Pad.

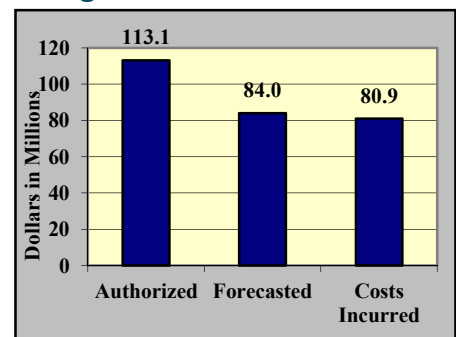
### Risks

Inclement weather could impact the schedule for punch list items.

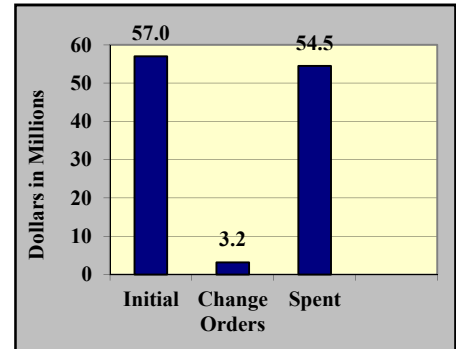
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



### Photo



## Doug Fox Lot Service Upgrades

**Project:** C800451

**Budget:** \$6,909,000

**Phase:** Closeout

**Start:** 2/29/2012

**Schedule Completion:** 2/27/2015

Construct a new drainage system, asphalt resurfacing, improved lot lighting, new building, and road signage to improve lot appearance, function, and revenue generation .

### Project Status:

Schedule: Delayed

Budget: On or Under

Status Reset: 1/6/2015

*(Commission Construction Auth.)*

### Significant Developments

The Port has received protests (claims) from the contractor totaling \$375,627 and has hired outside legal services to support the on-going dispute resolution process. In October 2016 the Port requested that the contractor address structural design concerns prior to initiating the next step in the dispute resolution process. The Port and the contractor are meeting to address the concerns and mediation is planned to begin in Q1 2017. Final design of the remaining tenant requested improvements in support of the negotiated lease terms is delayed due to the structural design concerns.

### Schedule

The overall project was delayed due to scope changes, permitting, design errors, and unknown site conditions. Project beneficial occupancy occurred on February 27, 2015. Closeout is currently delayed by the Contractor's claim.

### Budget

Project forecast, including the resolution of the claims, is within the revised budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	44
Amount of COs	\$0	\$53,708

Justification for COs: None this quarter

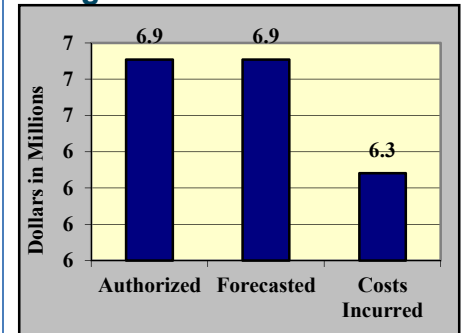
### Risks

Project is complete – no additional risks identified.

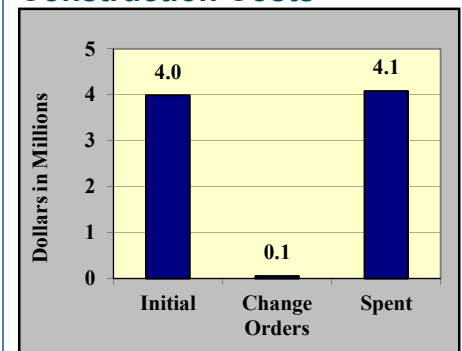
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



### Photo





## Fiber Infrastructure to Gate Backstands

**Project:** C800464  
**Budget:** \$3,195,000  
**Phase:** Closeout  
**Start:** 7/9/2013  
**Schedule Completion:** 9/30/2016

Extend airport-provided communications infrastructure to additional gates, gate information displays to all gates and Wi-Fi antennas throughout Concourses A and B. Provide redundant fiber backbone between Concourse A communication rooms and MDR-2.

### Project Status:

Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 5/26/2015  
*(Commission Construction Auth.)*

### Significant Developments

Project is complete and in close out. This is the final report.

### Schedule

Project complete.

### Budget

On budget.

### Change Order

	Current Quarter	Project Total
Number of COs	6	18
Amount of COs	\$36,501	\$78,142

Justification for COs: discretionary, unforeseen field conditions

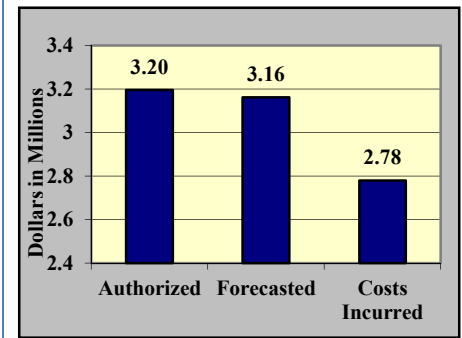
### Risks

None

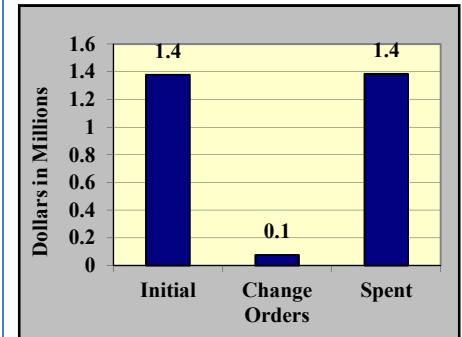
### Budget Transfers

Amount	From	To
\$0		

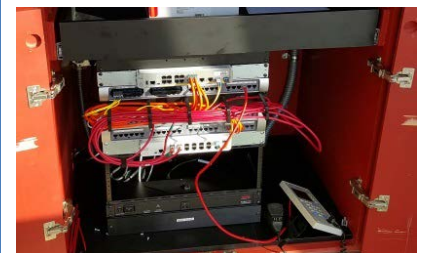
### Budget/Costs Incurred



### Construction Costs



### Photo



## Airfield Pavement Program

**Project:** C800483  
**Budget:** \$32,500,000  
**Phase:** Construction  
**Start:** 5/5/2011  
**Schedule Completion:** 6/30/2021

This is a multi-year program to replace distressed pavement and joint seal on the airfield starting in 2016 through 2020.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 2/24/2015  
*(Commission Design Auth.)*

### Significant Developments

2017 Airfield Replacement Project has been significantly reduced to the replacement of a portion of asphalt on the eastern edge of Cargo 2 Hardstand with 12 panels of concrete to better support the main gear of aircraft parking. Three cracked and damaged panels adjacent to the original row of 12 panels will also be replaced, bringing the total to 15 panels. The project was combined with the 400Hz Retrofit project into a single contract. Commission Authorization received for advertisement and construction. The combined project was advertised and the contract execution occurred in Q1 2017.

### Schedule

Projects will occur annually through 2020. The construction of 2017 project is estimated to be completed in Q2 2017.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None at this time

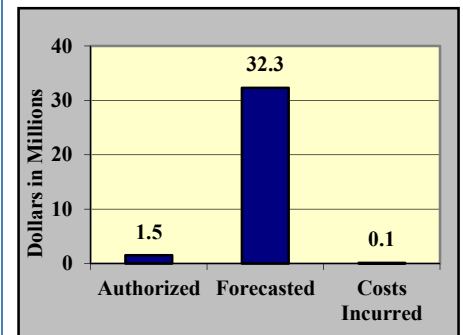
### Risks

Additional cracked and damaged panels may be identified during construction resulting in need for change order – depending on severity.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time



## Airportwide Mechanical Controls System

**Project:** C800497

**Budget:** \$3,350,000

**Phase:** Construction

**Start:** 5/1/2013

**Schedule Completion:** 11/4/2016

Upgrade the Mechanical Control System for Concourse A at the Airport. This includes adding a wireless connection to the Logistics area to the south of the Airport.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: 12/9/2014

*(Commission Construction Auth.)*

### Significant Developments

The major works portion of the project is substantially complete.

### Schedule

Project is complete with the exception of installing five valve actuators.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	2
Amount of Cos	\$0	\$74,202

Justification for COs: N/A

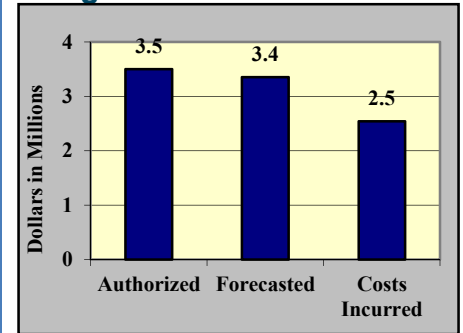
### Risks

The replacement actuators may increase the costs.

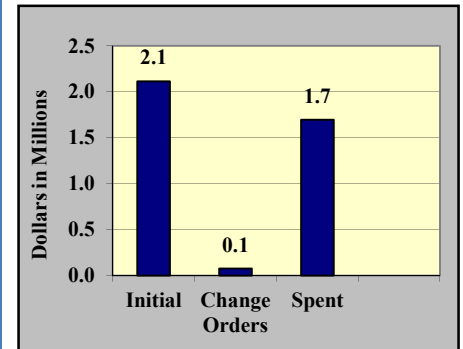
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## Alternate Utility Facility

**Project:** C800538  
**Budget:** \$37,200,000  
**Phase:** Construction  
**Start:** 8/4/2015  
**Schedule Completion:** 6/30/2018

Build and house a new 25MW electrical backup power generation facility for the Airport.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 8/4/2015  
*(Commission Construction Auth.)*

## Significant Developments

Final proposals were received from the short-listed firms. Final award was made December 2016. Contract was executed mid-January 2017.

## Schedule

Project is currently on schedule for completion in Q2 2018.

## Budget

Project is within budget per the amount authorized by the Commission.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

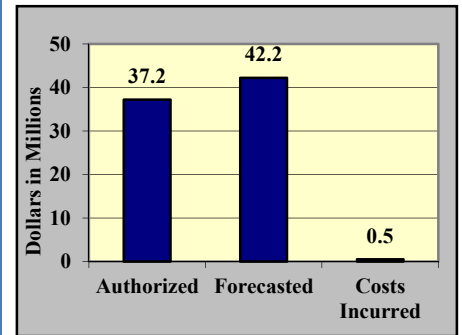
## Risks

Federal regulatory requirements may adversely impact schedule and budget.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not applicable

## NorthSTAR Program

**Project:** C800544  
**Budget:** \$19,514,150  
**Phase:** Design  
**Start:** 4/5/2012  
**Schedule Completion:** Q2 2021

Includes programmatic project management and project controls costs for the NorthSTAR program; consisting of 5 capital projects that represent a unique partnership between the Port and Alaska Airlines.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

Updated NorthSTAR webpage in conjunction with Port Public Affairs. Decision made to remove C800545 NS Main Terminal Improvements from the overall NorthSTAR program and transfer back to Aviation Planning. This will be the final report.

## Schedule

Continue programmatic linkage coordination to assure airport-wide gate availability is not compromised during construction.

## Budget

The project forecast is inclusive of Programmatic Management Reserve and is within the approved budget.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

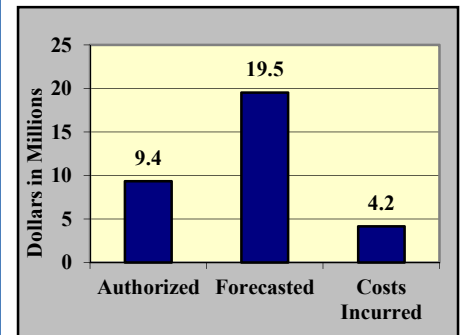
## Risks

Communication and coordination across multiple teams and stakeholders along with identification/monitoring of all “linked” Capital projects outside of NorthSTAR.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

None at this time

## South Satellite Interior Renovations

**Project:** C800549  
**Budget:** \$6,256,000  
**Phase:** Construction  
**Start:** 11/4/2012  
**Schedule Completion:** 6/30/2017

Modify the mezzanine and concourse levels of the South Satellite to improve the passenger experience.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 3/22/2016  
*(Commission Construction Auth.)*

### Significant Developments

Gate lobby podium casework installation completed in November. New storage space and wall panel installation scheduled for completion in early February. Gate door portal work fabrication completed, with install scheduled to begin in February.

### Schedule

Project had fallen behind schedule during design. Increased flight activity has reduced the construction window more than anticipated. Construction access issues early on created additional delays and are now resolved.

Further delay for substantial completion encountered due to fabrication issues for gate door portals. Portal work scheduled to begin in February. Substantial completion now anticipated in Q2 2017.

### Budget

This project is on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	11	18
Amount of COs	\$75,030	\$208,732

Justification for COs: Varying site conditions, design changes.

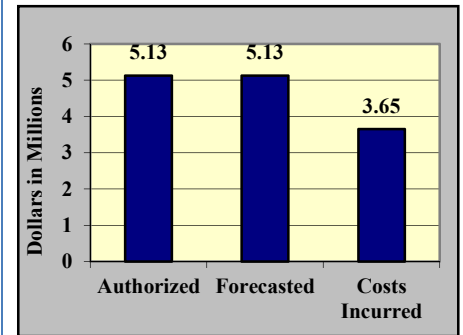
### Risks

Gate door portal work requires ongoing security coverage when security devices are rendered inoperative. Ongoing coordination required to ensure staff availability to facilitate work.

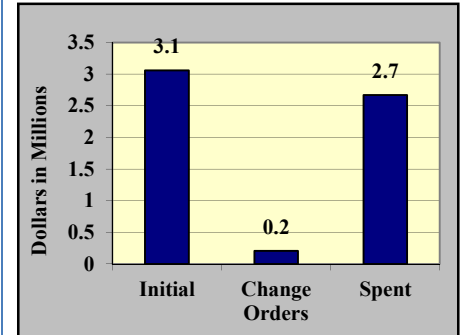
### Budget Transfers

Amount	From	To
\$0		

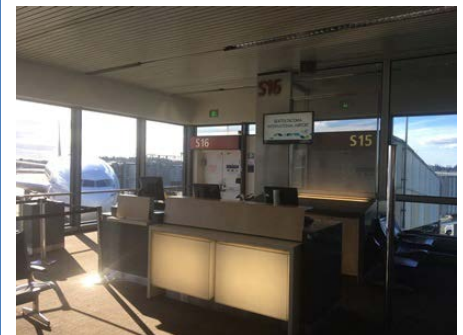
### Budget/Costs Incurred



### Construction Costs



### Photo



## NorthSTAR North Satellite Renovation and NSTS Lobbies

**Project:** C800556  
**Budget:** \$549,902,042  
**Phase:** Design  
**Start:** 7/24/2012  
**Schedule Completion:** Q2 2021

Renovation and expansion of the North Satellite (NSAT), including NSAT Satellite Transit System (STS) stations "refresh", ramp level, Concourse level, and new rooftop airline lounge.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 5/24/2016  
*(Commission Construction Auth.)*

### Significant Developments

Successfully completed all preliminary work gate relocations, including N12 ground board gates, installed temporary construction wall with graphics and project monitors, relocated emergency generator cabinet and installed time-elapsed cameras to record NSAT construction. Received 90% base building bid documents for review and submitted three (3) FAA Construction Authorization Airspace applications.

### Schedule

Reviewing 90% bid documents and 30+ draft bid packages while continuing to evaluate and finalize phasing options between construction phase 1 and 2 in collaboration with the GC/CM contractor and AAG. Refining critical path schedule and contract requirements toward finalizing MACC. Decision made to transfer Taxiway A scope to 2018 Airfield Taxiway A/B/L/Q project.

### Budget

Beginning estimate process based upon 90% bid documents. Impacts if any to the budget will be identified after completion of Engineer's Estimate and bid openings in Q2 2017.

### Change Order

	Current Quarter	Project Total
Number of COs	8	39
Amount of Cos	\$75,413	\$1,915,091

Justification for COs: E&O; varying site conditions; Scope changes

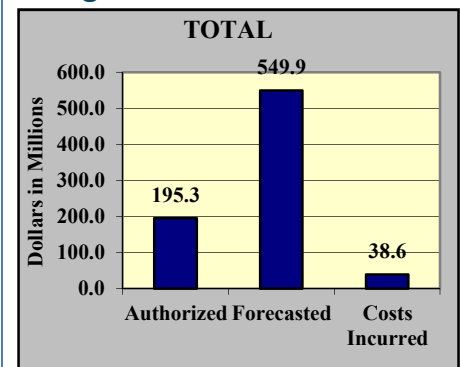
### Risks

Budget growth due to aggressive construction market, resource availability, commodity pricing, and lack of interest working in a secured area.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

### Photos



## Parking Garage Lights (CA)

**Project:** C800581

**Budget:** \$5,535,000

**Phase:** Construction

**Start:** 1/31/2014

**Schedule Completion:** 5/31/2017

Use current technology to replace all normal lighting in the Airport Parking Garage on all 8 floors and in the helices. This will reduce energy consumption over 60%.

### Project Status:

Schedule: Within or Ahead  
Budget: On or Under  
Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Phase1- Major Works was completed on time. The contractor is continuing to work under warranty to fix failures with some of the fixtures.

Phase 2 - Maintenance has completed all floors except the 8<sup>th</sup> floor. The original retrofit kit selected for the 8<sup>th</sup> floor is no longer being made. F&I and Maintenance have found a mounting bracket that works with the existing poles. They are currently in the process of ordering a test fixture to be installed and approved by FAA before placing an order for the entire 8<sup>th</sup> floor.

### Schedule

The Project is on schedule.

### Budget

The forecast is within the approved budget and authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	1
Amount of Cos	\$0	\$2,403

Justification for COs: None this quarter

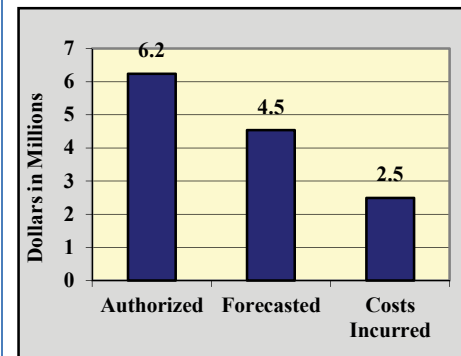
### Risks

There is no risk on Phase 1. The risk in Phase 2 is that the cost of the new fixtures will be more than intended; however the overall budget is not in jeopardy. The new fixtures may also require more time to install.

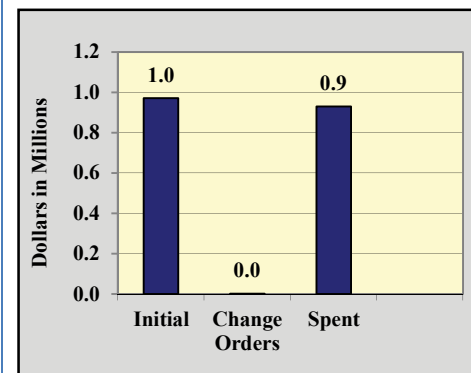
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs





## International Arrivals Facility (IAF)

**Project:** C800583  
**Budget:** \$660,365,000  
**Phase:** Design  
**Start:** 6/25/2013  
**Schedule Completion:** 6/30/2020

Planning, design, and construction of a new Federal Inspection Services (FIS) facility including an international passenger bridge connecting the South Satellite and seven Concourse A gates to the new IAF.

### Project Status:

Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 12/8/2015

*(Commission Authorization to start Design & Construction)*

### Significant Developments

The Clark/SOM team has submitted for review the 30% design set of documents. The major Design Build/Assist subcontracts (trade packages 2-8) have been awarded. Clark is in processes of procuring trade packages 9-17.

### Schedule

The project remains on schedule. The Design Builder (DB) baseline schedule completion for Phase 2 is 2nd Quarter 2020.

### Budget

The DB is currently trending over the Target Budget. Clark and the Port are exploring opportunities to align the design to the overall budget goal. The Guaranteed Maximum Price (GMP) timetable is adjusting to allow both parties to agree that the risks and opportunities presented are sufficiently identified and addressed.

### Change Orders

	Current Quarter	Project Total
Number of COs	0	7
Amount of COs	\$0	\$0

Justification for COs: No Change Orders this quarter

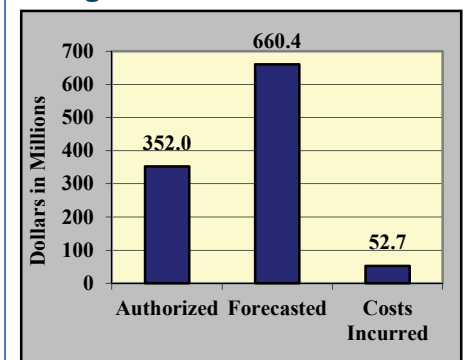
### Risks

- Potential cost and schedule impacts from forecasted shortages of materials and skilled labor in the current robust Seattle construction market remains a risk.
- Programming and scope changes driven by dynamic operational environment and emerging customer/stakeholder interests and requests

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Wi-Fi Enhancement

**Project:** C800585  
**Budget:** \$10,676,000  
**Phase:** Construction  
**Start:** 11/4/2012  
**Schedule Completion:** 12/26/2018

Upgrade Wi-Fi system in the public and ramp operational areas of the Airport. Provide micro-distribution cabinets on the ramp of each concourse to extend communications infrastructure.

### Project Status:

Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 5/24/2016  
*(Commission Construction Auth.)*

### Significant Developments

Construction for Concourse C and CTE to begin shortly, NTP anticipated 2<sup>nd</sup> week of Jan 2017. Ramp Wi-Fi contract to bid in February. Wi-Fi installation at Concourse D complete. Design for Phase II Wi-Fi underway.

### Schedule

Design was delayed in starting. Construction is forecast to be completed in phases, concluding in 2019.

### Budget

The project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

Justification for COs: N/A

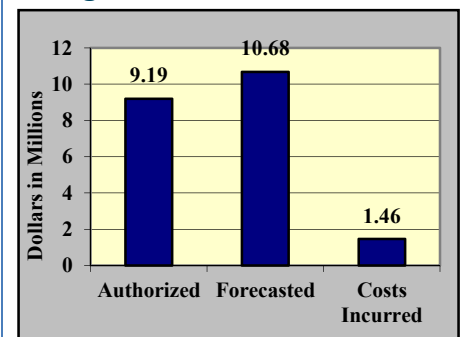
### Risks

Unforeseen conditions; project team has mitigated through a thorough review of site conditions including opening up walls and ceilings.

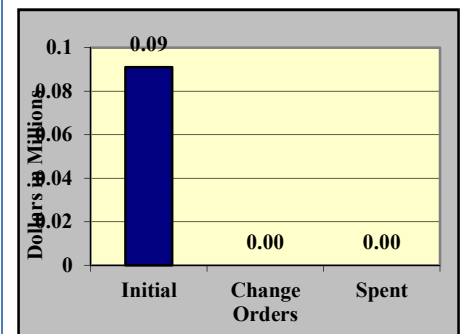
### Budget Transfers

Amount	From	To
\$796,000	C800404	C800585

### Budget/Costs Incurred



### Construction Costs





## Security Exit Lane Breach Control – Phase 2

**Project:** C800605  
**Budget:** \$7,707,000  
**Phase:** Design  
**Start:** 10/15/2015  
**Schedule Completion:** 6/7/2019

Installation of automated security breach control equipment at exits to Concourse’s A, C and North and South Satellite exits.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 7/12/2016  
*(Commission Construction Auth.)*

### Significant Developments

The Engineering Department has assumed Designer of Record responsibility. Project Management responsibility has been transferred to KPFF. Project team has initiated an alternatives analysis to evaluate best option for future installation(s).

### Schedule

Behind schedule. Evaluation of previously purchased equipment and alternatives analysis has been undertaken to decide best option for installation.

### Budget

Budget was increased by \$1,300,000 to cover damaged and time worn parts that need to be replaced.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

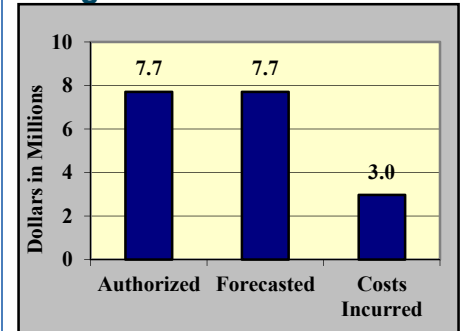
### Risks

Delay in installation of this proven technology increases the security risk when exit lanes are busy. These are the sites where “unauthorized reverse flow” has occurred.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

### Photo



## Checked Baggage Recapitalization/Optimization

**Project:** C800612  
**Budget:** \$319,050,000  
**Phase:** Construction  
**Start:** 2/26/2013  
**Schedule Completion:** 11/2/2023

TSA approached the Airport in 2012 with plan to replace all federally owned and operated baggage scanning equipment. In addition the project replaces the remainder of the outbound baggage system.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

The project received three bids for Phase 1 construction on December 22, 2016. The project team is working on contract execution with the apparent low bidder. Port Construction Services and small works contractors have started installation of the necessary work prior to the start of the major contract.

### Schedule

The project is currently on schedule, based on a 2015 baseline schedule.

### Budget

The project forecast is within the approved budget and authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

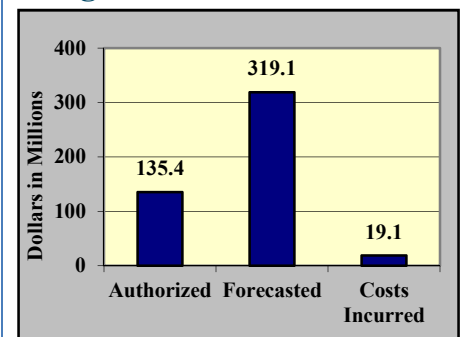
### Risks

- Continuity may be lost between the different phases of the project.
- Equipment manufacturers may differ between phases, requiring Port Maintenance crews to maintain and replace many models of equipment.
- Shutdowns may impact airline operations if they last longer than anticipated.

### Budget Transfers

Amount	From	To
0		

### Budget/Costs Incurred



### Construction Costs



## Alaska Hangar One Roof

**Project:** C800637  
**Budget:** \$1,927,000  
**Phase:** Closeout  
**Start:** 4/1/2014  
**Schedule Completion:** 10/21/2016

Remove and replace the current roofing system on the Alaska Hangar One and associated maintenance building.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Substantial completion issued on October 21, 2016. This is the final report.

### Schedule

Project complete. Project completed later than planned due to weather and site conditions. No cost, time Only Change Orders were executed for the contractor.

### Budget

Project on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	1	13
Amount of COs	\$7,139	\$6,565

Justification for COs: Project included credit change orders.

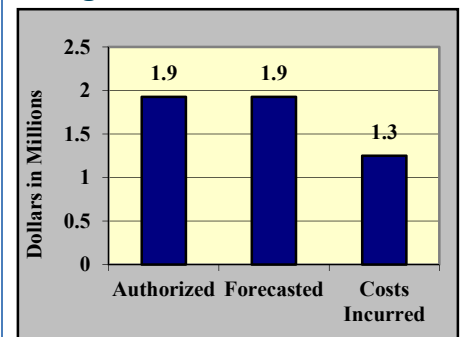
### Risks

None. Project complete.

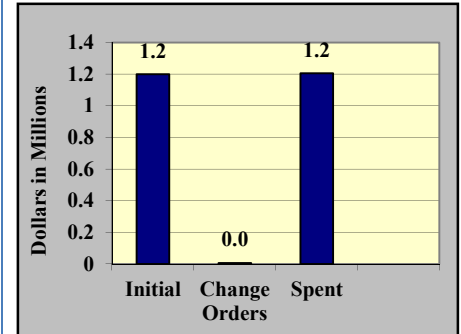
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Contract Costs



### Photo



## Dining and Retail Infrastructure Modernization

**Project:** C800638  
**Budget:** \$21,453,000  
**Phase:** Design  
**Start:** 10/28/2014  
**Schedule Completion:** 6/30/2020

Project is to provide infrastructure modifications, re-demise of spaces, two new elevators, and two new Children's Play Areas in support of the Airport Dining and Retail concessions plan.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Design Package #3 building permit issued. Design Package #4 is at 90%.

### Schedule

Bid results for the Central Terminal Elevators will affect the Lease Group #3 packaging and schedule. Elevators are being combined with an Infrastructure project and re-bid.

### Budget

On budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

Justification for COs: N/A

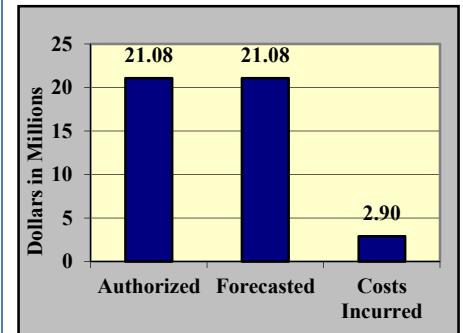
### Risks

Construction is linked with leasing

### Budget Transfers

Amount	From	To
0		

### Budget/Costs Incurred



### Construction Costs

Not applicable

## CCTV Camera and System Enhancement

**Project:** C800642  
**Budget:** \$13,000,000  
**Phase:** Construction  
**Start:** 11/4/2012  
**Schedule Completion:** 9/24/2019

Add cameras and improve the video management system at the Airport. Project funded by a TSA Other Transaction Agreement (OTA)

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 5/17/2016  
*(Commission Construction Auth.)*

### Significant Developments

General Contractor for ramp cameras is underway with construction on Concourse A and B. Design for remaining camera installations in the Terminal is at 60%. The video management system upgrade is progressing.

### Schedule

Design took longer than anticipated to begin. This delay now cannot be recovered. Project team has re-phased the project to complete high priority locations first. Ramp camera construction will be complete in 2017 and remaining cameras in the terminal will follow.

### Budget

Project continues to be within approved budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

Justification for COs: N/A

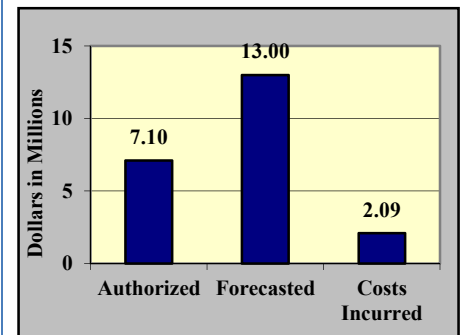
### Risks

The project team is reviewing as-built information and site conditions in order to understand variances.

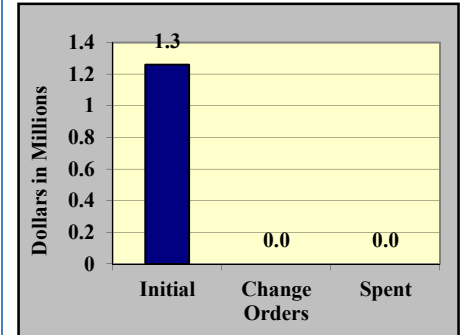
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## Emergency Phones

**Project:** C800648  
**Budget:** \$611,000  
**Phase:** Construction  
**Start:** 7/9/2015  
**Schedule Completion:** 3/31/2017

Overhaul and modernize the Airport Parking Garage Emergency Phone System.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

Installation of the new overhead signs is complete. Commission approval received for \$75,000 in additional construction funding.

## Schedule

Construction was halted due to requirement for additional construction funding. Project is scheduled for completion late Q4.

## Budget

\$75,000 budget overrun due to unforeseen conditions related to emergency power.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None

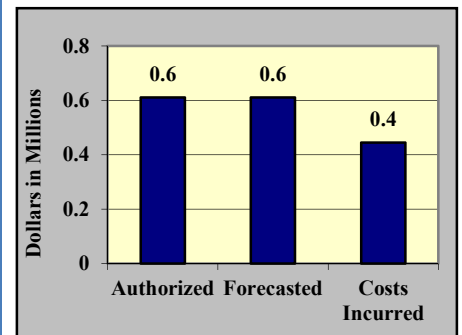
## Risks

Since the work is to occur in the airport garage, it is important to coordinate schedule with Operations to minimize potential delays.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not Applicable

## Passenger Loading Bridge Renew

**Project:** C800653  
**Budget:** \$6,232,000  
**Phase:** Design  
**Start:** 7/18/2014  
**Schedule Completion:** 12/31/2016

Renewal/Replacement of Passenger Loading Bridges B6, B8, B14, C3, S15 and C17

**Project Status:**  
Schedule: Within or Ahead  
Budget: On or Under  
Status Reset: 4/26/2016  
*(Commission Construction Auth.)*

### Significant Developments

Gate C17 is complete with all associated amenities functioning and minor ramp asphalt completed in January 2017.

### Schedule

This will be the final report.

### Budget

Within Budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

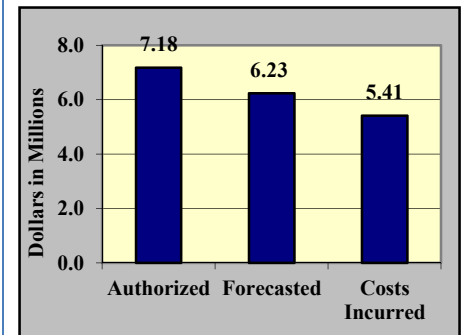
### Risks

None

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable





## Construction Logistics Expansion

**Project:** C800688  
**Budget:** \$9,374,000  
**Phase:** Construction  
**Start:** 8/1/2014  
**Schedule Completion:** 4/28/2017

The expansion and reconfiguration of the existing construction logistics facilities (including the contractor parking lot and associated bus stops), and the renovation of Port field offices.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 2/23/2016  
*(Commission Construction Auth.)*

### Significant Developments

Construction is complete for the Contractor Parking Lot (CPL) and Logistics Lots. Revised the Field Office Renovation scope to demolish two existing field offices and purchase a replacement field office due to extensive and unknown moisture and structural damage. The contractor reached substantial completion on December 21, 2016 for the remaining Field Office Renovation work and the purchase order for the replacement field office was executed. CPL Bus Stops reached partial substantial completion on November 18, 2016 (Bus Stops 1 and 2), and work is well underway on Bus Stops 3 and 4.

### Schedule

The overall project is delayed with completion dates of Q1 2017 for CPL Bus Stops (delays due to weather and errors and omissions), and Q2 2017 for the replacement field office (delay due to scope change).

### Budget

The budget was increased from \$9,210,000 to \$9,374,000 due to the purchase of the replacement field office. The authorized budget remains at \$9,570,000.

### Change Order

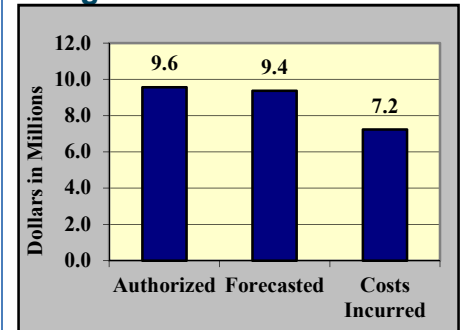
	Current Quarter	Project Total
Number of COs	14	53
Amount of COs	\$12,088	\$81,616

Justification for COs: error and omission \$57,541, site conditions (\$6,830), scope changes (\$43,622), and regulatory \$5,000.

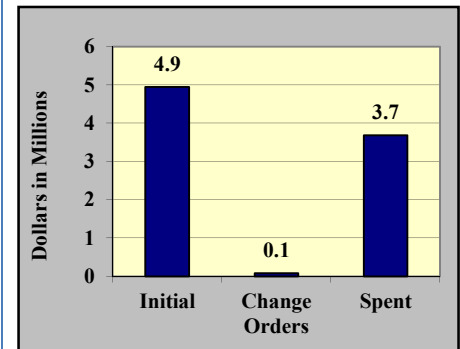
### Risks

- Field Offices: Additional budget to address unknown conditions for replacement field office.
- CPL Bus Stops: Additional time to complete additional paving (weather) and meet electrical permit requirements.

### Budget/Costs Incurred



### Construction Costs



### Photo



CPL Bus Stops 1 and 2



## Budget Transfers

Amount	From	To
\$0		

## Cost of Construction Growth

- CPL Bus Stops: Additional project contingency was included within the project budget to address the risk of an unknown substandard pavement section at the bus stop locations. Two change orders were issued to address this risk that represents 13.8% of the original contract value.

## 2016 Fuel System Modifications

**Project:** C800692  
**Budget:** \$14,480,000  
**Phase:** Construction  
**Start:** 11/6/2013  
**Schedule Completion:** 3/3/2017

Airline activity growth at the Airport is requiring the installation of a new fuel pits in 2016.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 9/13/2016  
*(Commission Construction Auth.)*

### Significant Developments

Scope was increased by five additional new fuel hydrants to accommodate the new narrow body gate configurations at the South Satellite, bringing the total to nine new fuel hydrants in the base contract. One additional fuel hydrant at the South Satellite will be installed as part of this project and funded by the IAF program, bringing the total number of fuel hydrants to ten.

### Schedule

Construction started on October 10, 2016 and the Contractor is on schedule for completion in Q1 2017. Originally construction was to start in 2015, but was delayed due to additional scope added to the design. Instead design was completed in Q1 2016 and contract execution was in Q2 2016. Aircraft parking layout changes at the South Satellite Terminal necessitated the 2016 Fuel System Mods; project re-designed several of the fuel hydrant locations after award, which also delayed the start of construction.

### Budget

Project is within the authorized budget.

### Change Order

	Current Quarter	Project Total
Number of COs	6	14
Amount of COs	\$64,993,73	\$390,793.26

Justification for COs: 1) Remove and replace additional concrete panels near Work Area B; 2) Reconciliation of CO #9; 3) Reconciliation of CO #3; 4) Remove and replace additional concrete panels near Work Area D; 5) Reconciliation of CO #8; 6) Remove existing hydrant pit, valve and piping.

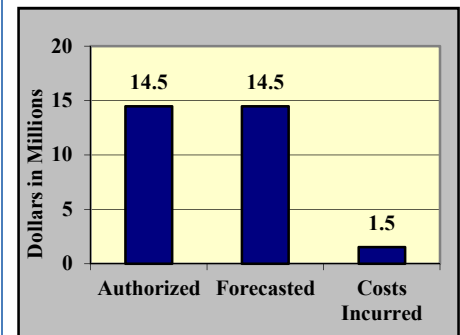
### Risks

Potential for gate configuration changes could affect fuel hydrant locations.

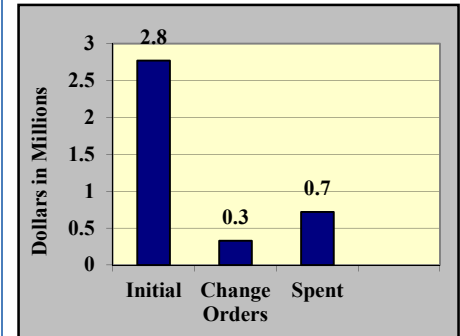
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### 2016 Fuel System Modification Construction Costs



### Photo



## C3 Holdroom Expansion

**Project:** C800695  
**Budget:** \$3,300,000  
**Phase:** Design  
**Start:** 4/4/2016  
**Schedule Completion:** 8/31/2018

Provide a 1,500 square foot building addition at the concourse level to increase the size of the Gate C3 passenger holdroom.

**Project Status:**  
 Schedule: Delayed  
 Budget: Forecast Overrun  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Ninety percent design completed.

### Schedule

Completion of design contract and site survey work took longer than anticipated.

### Budget

Project forecast has increased due to proposed scope additions, including building structural changes, additional exiting and expanded paving and drainage work.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

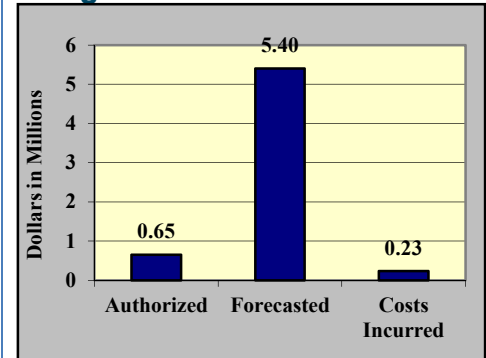
### Risks

Due to regulatory requirements, the scope of work has increased with added building construction for egress, and additional paving to address drainage.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

## Concourse B, C, and D Restroom Upgrades

**Project:** C800697  
**Budget:** \$33,047,000  
**Phase:** Design  
**Start:** 7/12/2016  
**Schedule Completion:** 12/31/2024

Renovate eight sets of restrooms on Concourses B, C, and D. Increase restroom capacity by increasing the size of two existing restrooms; building new restrooms; displacing existing functions; and enlarging the building to add one additional new set of restrooms.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Design of the first phase of enabling projects has reached 30%. The restroom designer contract has been executed.

### Schedule

Project is on schedule.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

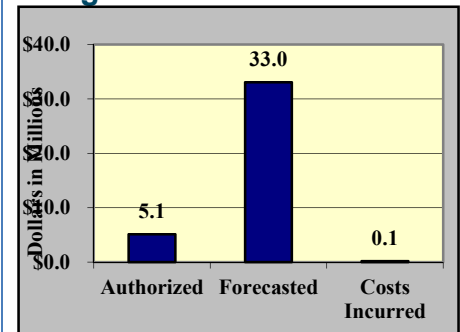
### Risks

Air handling capacity limits on Concourse C may require additional work to address.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Electric Utility SCADA

**Project:** C800699  
**Budget:** \$9,600,000  
**Phase:** Design  
**Start:** 8/5/2015  
**Schedule Completion:** 9/22/2018

Install a Supervisory Control and Data Acquisition (SCADA) system for the Airport's 12.47 kV Medium Voltage (MV) power distribution network.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 8/4/2015  
*(Commission Construction Auth.)*

### Significant Developments

Nothing to report.

### Schedule

Project is on schedule. Sixty percent design is scheduled to be completed Q1 2017

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None at this point.

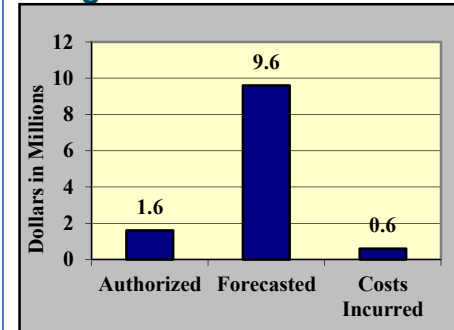
### Risks

Controls are being added to an existing electrical system that includes several manufacturers' equipment resulting in potential coordination challenges. Unplanned shutdowns may also occur, but is being mitigated through site investigations.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## 2015-2016 Concourse C Roof Replacement

**Project:** C800702

**Budget:** \$5,921,000

**Phase:** Construction

**Start:** 5/26/2010

**Schedule Completion:** 11/30/2017

Overlay the existing roof system (approximately 83,000 square feet) on Concourse C; install a new elastomeric roofing system; ladders and fall protection; and replace and refurbish the existing skylight window/walls.

### Project Status:

Schedule: Within or Ahead  
Budget: On or Under  
Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Commission authorization for construction received on January 24, 2017.

### Schedule

Project on schedule.

### Budget

Project is within budget. Early estimates show that the project will be within budget by changing scope to a roof overlay.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

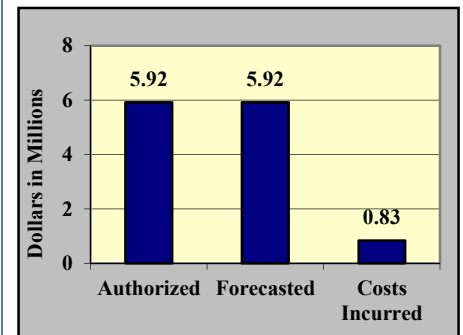
### Risks

Delays in bidding / procurement could delay the project and push construction to the wet season which is not ideal weather for roofing.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

## South Satellite Steam Piping Utility Upgrade

**Project:** C800708  
**Budget:** \$1,000,000  
**Phase:** Construction  
**Start:** 11/1/2015  
**Schedule Completion:** 6/3/2017

Replace expansion joints in the SSAT steam piping supply system.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: n/a  
*(Commission Construction Auth.)*

### Significant Developments

Contractor received partial Notice to Proceed (NTP) in December 2016.

### Schedule

Original Project completion was expected by mid-October 2016. After reviewing the late NTP and material procurement challenges, the work completion was rescheduled for Q2 2017. There is no cost impact associated with the delay.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

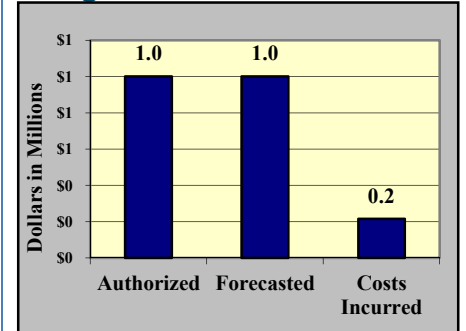
### Risks

Schedule is very tight. Contractor is meeting the challenge by working several crews and carefully prioritizing work.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

Th



## Central Terminal Stairs

**Project:** C800716  
**Budget:** \$2,910,000  
**Phase:** Design  
**Start:** 2/15/2015  
**Schedule Completion:** 5/21/2017

Build two stairways near the central checkpoint to provide egress capacity from the mezzanine level to the ticketing level on the non-secure side of the airport.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 9/13/2016  
*(Commission Construction Auth.)*

## Significant Developments

Construction contract awarded. Construction started November 2016.

## Schedule

The project is ahead of schedule.

## Budget

Project is on budget

## Change Order

	Current Quarter	Project Total
Number of COs	01	01
Amount of COs	\$(13,364)	\$(13,364)

Justification for CO: responded to a contractor proposal to simplify construction. This reduced cost and resulted in a savings or negative change order.

## Risks

None at this time.

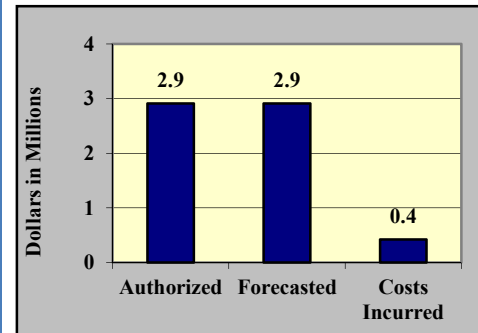
## Budget Transfers

Amount	From	To
\$0		

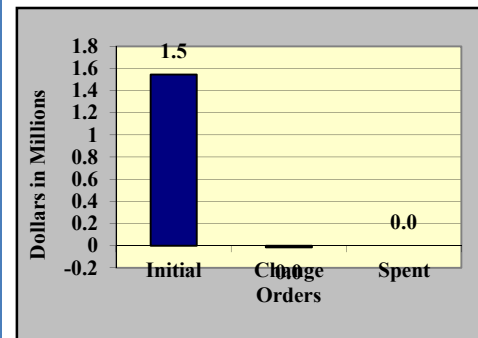
## Cost of Construction Growth

Not applicable

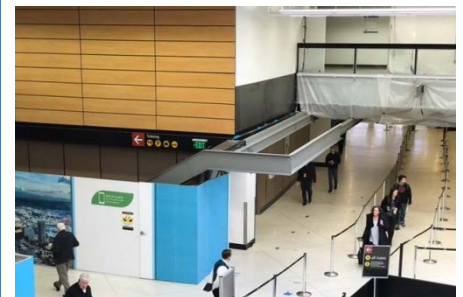
## Budget/Costs Incurred



## Construction Costs



## Photos



## Terminal Utilities Upgrade Project

**Project:** C800717  
**Budget:** \$21,335,000  
**Phase:** Construction  
**Start:** 9/21/2010  
**Schedule Completion:** 1/31/2019

Replace and extend the steam, condensate and chilled water supply and return piping from the Central Mechanical Plant to the end of mechanical room four and to the ends of the South and West Loops.

### Project Status:

Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

The “south end” early work project building permit issued by the Airport Building Department.

### Schedule

Construction of the “south end” early work project will start in the first quarter of 2017 in order to minimize impacts to baggage optimization program and airline operations.

### Budget

Commission authorization to increase the project budget is likely needed to complete entire project to meet future airport growth.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

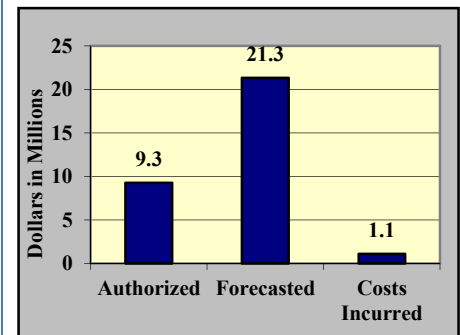
### Risks

Risks to schedule and budget are the need to route these large sections of pipe through a very densely developed areas of the airport. Risks to be minimized during design.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## CTE HVAC Upgrade

**Project:** C800722  
**Budget:** \$6,612,000  
**Phase:** Construction  
**Start:** 5/8/2015  
**Schedule Completion:** TBD

Install two new air-handling units (AHUs) on the roof above the N. and S. mezzanine levels of the central terminal to provide heating, ventilation, and air conditioning infrastructure systems.

**Project Status:**  
 Schedule: Delayed  
 Budget: Forecast Overrun  
 Status Reset: n/a  
*(Commission Construction Auth.)*

### Significant Developments

Construction start delayed due to a single bid received, exceeding the engineers' estimate. Bid was officially cancelled October 31, 2016.

### Schedule

Construction will be combined with the ADR Infrastructure Modifications Central Terminal CIP #C800638.

### Budget

Project budget for the new scope of work is in development.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None at this time

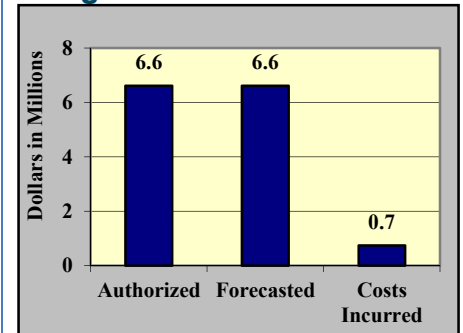
### Risks

Risk to project; no bidders or single bid that exceeds the engineers' estimate  
 Risk to be mitigated by planned contractor outreach and cost estimate development during the design process.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Concourse C New Power Center

**Project:** C800724  
**Budget:** \$10,500,000  
**Phase:** Design  
**Start:** 10/26/2014  
**Schedule Completion:** 6/28/2019

Add new 5000A double ended unit substation (power center) on Ramp level at column line F/40 for a new electrical room in Concourse C. Existing distribution panels will be re-fed from the new power center, new distribution panels and branch circuit panels will be added.

### Project Status:

Schedule: Delayed  
 Budget: On or Under  
 Status Reset: n/a  
*(Commission Construction Auth.)*

### Significant Developments

- Revised and finalized Service Directive scope of work for 100% issue for bid (IFB) design documents.
- Develop Scope of Work Activities for PCS and AVM to support project design.
- Coordinate charger locations with other projects at Concourse C.

### Schedule

- Probable completion of 100% design bid documents Q3 2017.
- Probable construction completion date Q2 2018.
- Implementation of this project will be coordinated with the GSE Charger Phase 2 Part B Project to standardize the design for three power centers.
- Initial procurement of equipment caused a schedule delay, but reduced further risks/cost increases by meeting port specifications

### Budget

The budget forecast is within the September 22, 2015 Commission approved budget

### Change Order

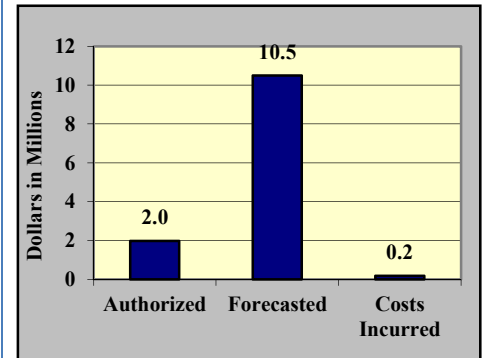
	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

### Risks

- Airline Gate Realignment program may affect Concourse C projects.
- Budget or schedule may be affected if site conditions differ from record files.
- Contractor purchased equipment may not fit in Concourse C allocated space for this new power center room. This will be minimized by selection and standardization of electrical equipment based on the RFP process.

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Budget Transfers

Amount	From	To
\$0		

## AIRPORT

## Auburn Mitigation Road Removal

**Project:** C800760  
**Budget:** \$720,000  
**Phase:** Construction  
**Start:** 7/1/2017  
**Schedule Completion:** 12/15/2017

Wetland mitigation site enhancements, including installing perimeter chain-link fence and converting interior paths/roads to forest.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 6/28/2016  
*(Commission Construction Auth.)*

### Significant Developments

Delays in the environmental permitting process associated with FEMA floodplain mapping have delayed the project. Permits are scheduled to be obtained Q1 2017.

### Schedule

Construction is scheduled to start in Q2 2017 but completion will be delayed until Q4 2017.

### Budget

The project forecast is within the approved budget and authorization

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

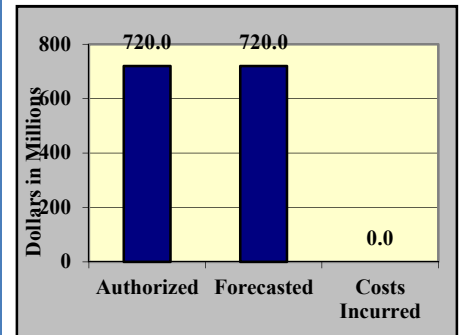
### Risks

There remains a small risk the permit process will be further delayed.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Concourse B Ramp Level Holdroom

**Project:** C800761  
**Budget:** \$5,558,000  
**Phase:** Construction  
**Start:** 4/12/2015  
**Schedule Completion:** 8/30/2018

Construct a ramp level holdroom on Concourse B to serve airline passengers bussed to and from remotely parked flights

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 11/8/2016  
*(Commission Construction Auth.)*

### Significant Developments

Additional budget and authorization was received in November. Enabling work is complete and the contractor has mobilized to the site.

### Schedule

Project is now on schedule.

### Budget

The project is on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

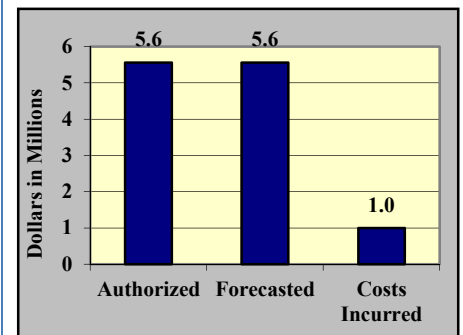
### Risks

FAA review of the project is not complete.

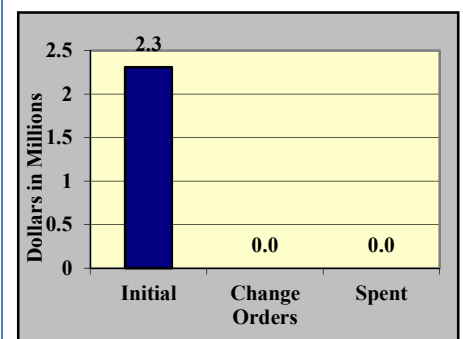
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs





## Concourse A, B and C Carpet Replacement Project

**Project:** C800766  
**Budget:** \$3,661,000  
**Phase:** Construction  
**Start:** 1/4/2016  
**Schedule Completion:** 4/3/2017

Replace all the carpeting on Concourse A, B and C with new carpet tiles. The current roll carpet was installed in 2005 and 2006.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Notice to Proceed to the contractor was issued December 9th. Carpet installation began at the end of Concourse B on December 12<sup>th</sup> and was completed January 20th. Carpet Installation began on Concourse C on January 22nd.

### Schedule

Project is proceeding on schedule.

### Budget

Project is on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

### Risks

Project team is tracking carpet usage against quantity purchased to determine if and when additional carpet would need to be ordered.

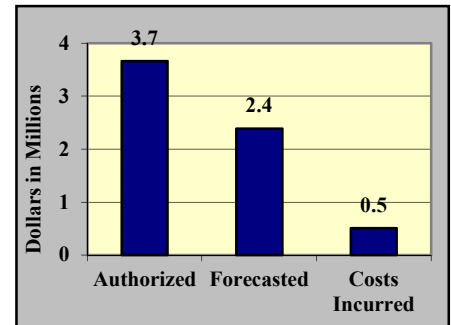
### Budget Transfers

Amount	From	To
\$0		

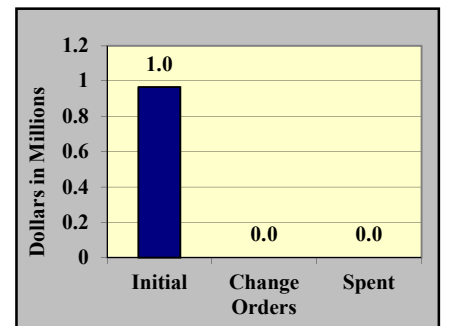
### Cost of Construction Growth

N/A

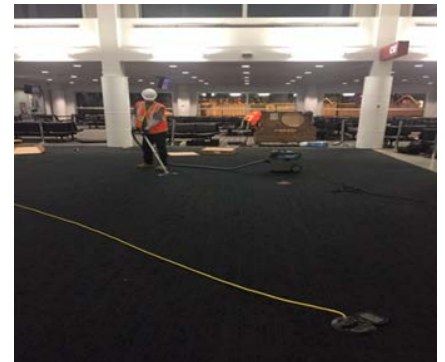
### Budget/Costs Incurred



### Construction Contract Costs



### Photo



## Concourse D Hardstand Terminal

**Project:** C800769  
**Budget:** \$38,400,000  
**Phase:** PM  
**Start:** 2/28/2016  
**Schedule Completion:** 6/30/2018

Construct a 32,500 SF building using the alternative public works design/build method to support passengers bused to and from airline flights parked at remote hardstands.

### Project Status:

Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 8/23/2016  
*(Commission Construction Auth.)*

### Significant Developments

In November a Request For Proposals was issued to potential Design/Build teams. Proposals have been received and a selection is expected in Q2 2017.

### Schedule

Project is on schedule.

### Budget

Project is on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

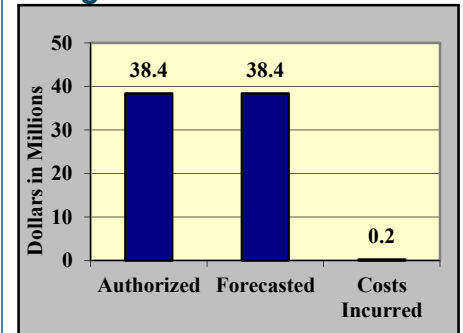
### Risks

Potential budget overruns due to market conditions. FAA project review and approval.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable at this time

## Concourse B Roof Replacement

**Project:** C800770  
**Budget:** \$7,262,000  
**Phase:** Design  
**Start:** 3/8/2016  
**Schedule Completion:** 11/18/2018

Overlay approximately 86,500 sq ft of roofing system on Concourse B. Add stairs, ladders, fall protection and replace Kalwall windows/skylights.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 1/24/2017  
*(Commission Construction Auth.)*

### Significant Developments

Commission authorized construction on January 24, 2017. Project scope was modified from a replacement to an overlay and Kalwall is to be fully replaced with a revised panel color that will allow more light into the concourse.

### Schedule

Project is on schedule

### Budget

Project is on budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

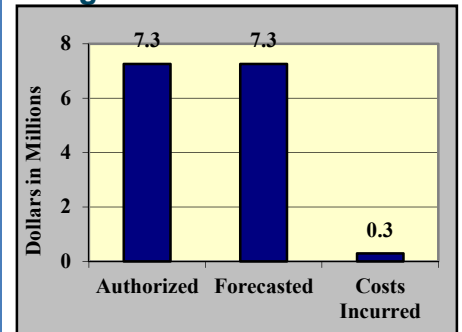
### Risks

FAA review of construction impacts will need to be completed.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

## D6 Gate Modifications

**Project:** C800771  
**Budget:** \$1,733,000  
**Phase:** Design  
**Start:** 9/20/2015  
**Schedule Completion:** 3/31/2017

Add casework to the holdroom, access control to the exterior door and an ADA sloped walkway from the holdroom to the ramp level for passengers to gain access to buses that will transport them to remotely parked aircraft.

### Project Status:

Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Casework awarded to small business. Glazing contract awarded. Steel fabrication is complete.

### Schedule

The project is on schedule.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

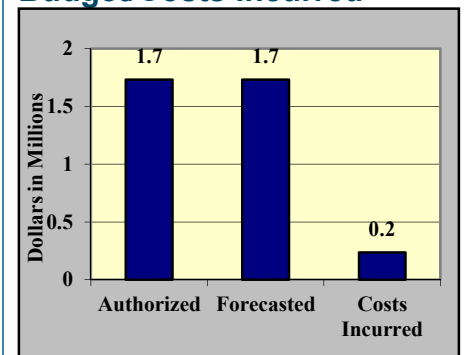
### Risks

FAA project review and approval.

### Budget Transfers

Amount	From	To
\$0		

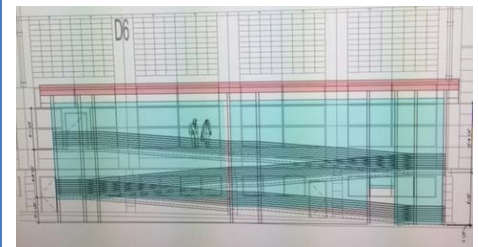
### Budget/Costs Incurred



### Construction Costs

N/A

### Photo



## South Satellite Narrow Body Configuration

**Project:** C800781  
**Budget:** \$5,500,000  
**Phase:** Design  
**Start:** 2/23/2010  
**Schedule Completion:** 12/31/2017

Planning, design and construction of three new narrow body positions at the South Satellite. Scope includes one new passenger loading bridge (PLB), one new fuel pit, a new passenger ramp at S10, new portable equipment, and pavement marking.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 2/23/2016  
*(Commission Construction Auth.)*

## Significant Developments

Scope has been refined between the design-builder and Port of Seattle. The position at Gate S10 is being revised to a simple stair and elevator which will reduce cost and ramp impacts from the proposed ramp.

## Schedule

The project is on schedule and will blend with the IAF's design and construction schedule. Final design was completed in 4<sup>th</sup> Quarter 2016, however, due to changes to S10, a revised set will be completed 2<sup>nd</sup> Quarter 2017. Completion of the Narrow Body Project will be finished in 4<sup>th</sup> Quarter 2017.

## Budget

The budget for project is \$5,500,000, however, this is expected to decrease when we negotiate Clark's design and construction fee in the contract addendum.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

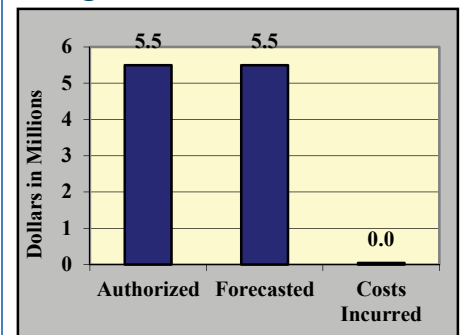
## Risks

- Current gating needs limit the ability to take gates out of service.
- Current IAF schedules project this work to be completed in 2017. Since all of the work is outside, construction schedule could be impacted by weather.
- This change in the layout of the SSAT (specifically adding parking positions) will trigger an addendum to the SEPA and NEPA for the IAF Project.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not Applicable at this time

## Emergency Generator Control Renewal and Replacement

**Project:** C800784  
**Budget:** \$2,500,000  
**Phase:** Construction  
**Start:** 12/28/2015  
**Schedule Completion:** 2/2/2019

Replace and re-program generator programmable logic controllers (PLCs). Install load bank with controls for code required generator load testing.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Commission authorized \$713,000 in design funds on December 13, 2016, increasing total authorization to \$800,000. Service directive for 30% design executed by consultant on January 20, 2017.

### Schedule

Project is on schedule.

### Budget

Project is proceeding within budget.

### Change Orders

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: None this quarter

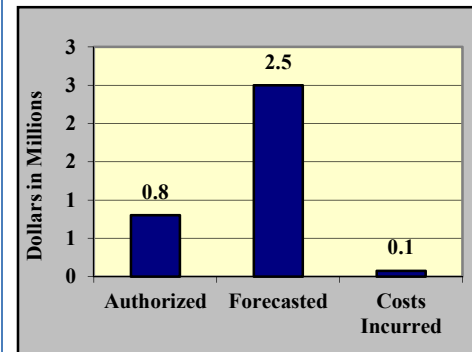
### Risks

Load bank has been included to implement code required generator testing program. The load bank will generate significant heat and some noise during testing, and will have an aesthetic impact. The location needs some solid vetting.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not applicable

## Airport Automatic Tag Reader Replacements

**Project:** C800802  
**Budget:** \$1,160,000  
**Phase:** Construction  
**Start:** 8/4/2016  
**Schedule Completion:** 5/5/2017

Replacement of existing Automatic Tag Readers which are no longer supported by manufacturer. These readers will be replaced with modern tag reader equipment.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Commission approval of funding for the project was approved. Procurement of the necessary equipment has started. The purchased service agreement for control programming has also been executed.

### Schedule

The overall project is progressing on schedule. Goal is to complete this project prior to the summer peak to limit disruption to operations. The lead time for the required equipment is longer than anticipated but sufficient float exists in schedule to allow the project to complete on time.

### Budget

The project is on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

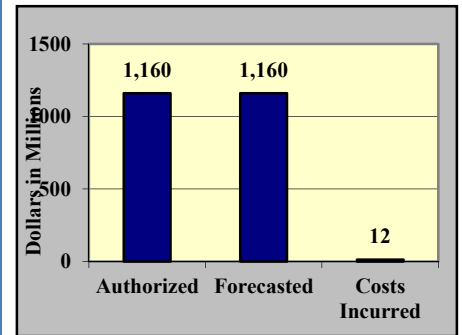
### Risks

The current risk associated with this project is a delayed delivery of equipment which may hamper the start of the installation.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Contract Costs





## SSAT Structural Improvements

**Project:** C800818  
**Budget:** \$3,600,000  
**Phase:** Design  
**Start:** 12/28/2015  
**Schedule Completion:** 8/17/2018

Improvements to the SSAT building to address structural deficiencies based upon design dead and live loads. Work includes asbestos abatement.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 11/8/2016  
*(Commission Construction Auth.)*

## Significant Developments

Obtained Commission authorization for design and construction on November 8, 2016. Began design for the Major Works construction contract that includes work on the ramp and corridor levels. Coordinated with the Airport Dining and Retail program to determine when the work on the concourse level would be completed.

## Schedule

The project is currently on schedule with 60% design anticipated in Q1 2017.

## Budget

Overall project budget is \$3,600,000 (\$2,880,000 capital and \$720,000 environmental remediation liability) with \$400,000 in additional project contingency to address risks.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

## Risks

- Construction Market: The type of work to be performed, combined with the aggressive market, will limit the number of bidders resulting in higher bids.
- Unknown Utilities/Systems: There are a number of unknown utilities and systems that need to be relocated to support the work.

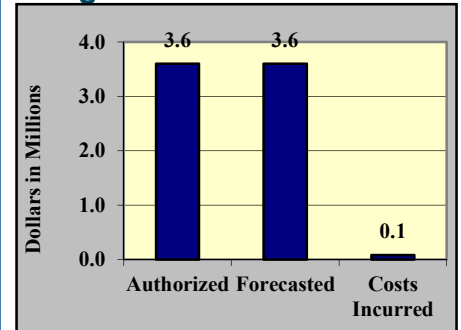
## Budget Transfers

Amount	From	To
\$0		

## Cost of Construction Growth

N/A at this time.

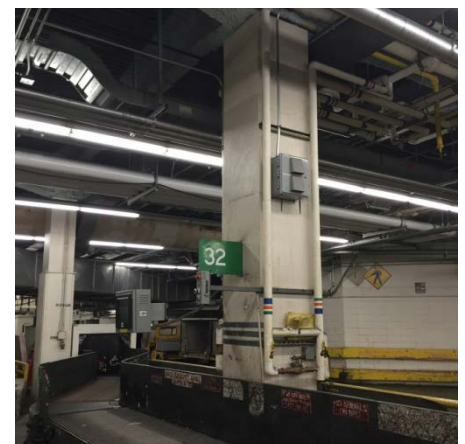
## Budget/Costs Incurred



## Construction Contract Costs



## Photo



## Zone 5 Ticket Lobby Reconfiguration

**Project:** C800824  
**Budget:** \$1,781,000  
**Phase:** Construction  
**Start:** 10/5/2015  
**Schedule Completion:** 12/31/2016

Project is to add Common Use ticket counters and kiosks for new airline entrants within Zone 5 and the reconfigure existing American Airlines ticket counters and kiosks.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 8/23/2016  
*(Commission Construction Auth.)*

### Significant Developments

Casework installation is expected to be complete in January. Common use equipment will be installed to complete the project.

### Schedule

Project is approximately five weeks behind schedule due to delays in casework delivery.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

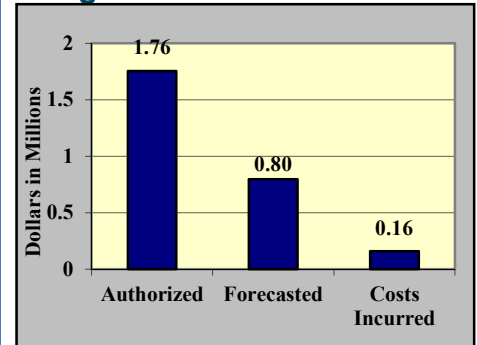
### Risks

None identified at this time.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## C60 Interim Baggage System Project

**Project:** C800825  
**Budget:** \$14,200,000  
**Phase:** Construction  
**Start:** 12/13/2015  
**Schedule Completion:** 6/10/2017

Implement four distinct scope elements with the objective of increasing reliability and capacity through the interim period between the upcoming summer and Baggage Optimization Project.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments (Per scope element)

1. Security Zone Tracking Enhancements Project: Recontrol – Brake adjustments, photo-eye relocations, and encoder upgrades have been completed by Maintenance, programmed by Brock, and tested/approved by TSA. Brock held the factory acceptance test remotely remotely in January with Delta representatives present. Starting in February, alternating halves of the C60 system will be non-operational while commissioning work is completed.
2. TSA Search Room Expansion Project: Construction is nearing completion. ISAT was completed January 26, 2017; making expanded room available for use by TSA. Minor construction will continue over the next month for change orders.
3. Clear Bag Reconciliation Project cancelled due to TSA’s security concerns.

### Schedule

All four elements of this project are on a fast track schedule. Recontrol is scheduled for completion by June 10, 2017. The required contractor completion date for the TSA Search Room Expansion was November 16, 2016; however, due to conveyor manufacturer delays, substantial completion is now estimated for February 22, 2017. Overall project completion coincides with Re-control completion currently scheduled for June 10, 2017.

### Budget

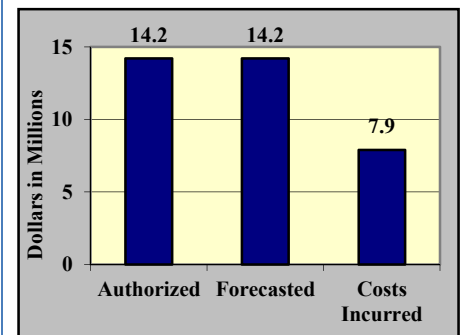
Currently the budget is within the authorized amount.

### Change Order

	Current Quarter	Project Total
Number of COs	3	4
Amount of Cos	\$10,982.79	\$20,982.79

Justification for COs: varying site conditions and error/emissions by owner.

### Budget/Costs Incurred



### Construction Costs

Not Applicable



## Risks

Any project on the fast track schedule has potential risks of not meeting schedule or budget. The team is working together to utilize all resource avenues to get this completed on time. Any unexpected delays to the Recontrol element will impact the expected completion date; pushing work into the busy summer season. Project team will continue to work with contractor to look for opportunities to shorten the schedule duration.

## Budget Transfers

Amount	From	To
\$0		

## Checkpoint 5 Wall Replacement

**Project:** C800858  
**Budget:** \$1,200,000  
**Phase:** Design  
**Start:** 8/7/2016  
**Schedule Completion:** 3/31/2017

Replace the wall at Checkpoint 5 with a new door system to improve the efficiency and customer service as well as the aesthetic appearance of the checkpoint entry.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Door system in place and operational. Wall finishes and closure grille to be finalized in January.

### Schedule

With the door system operational and the wall removed, the project objective was achieved on December 22, 2016. However, final wall finishes and grille closures will be completed during Q1 2017.

### Budget

Within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

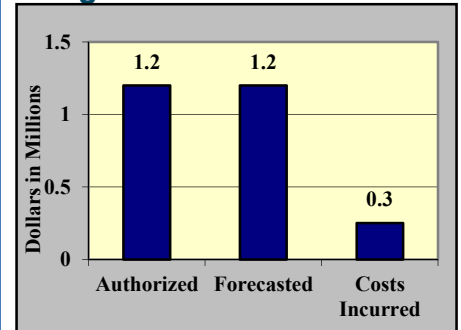
### Risks

Security checkpoint operations can impact project construction activities.

### Budget Transfers

Amount	From	To
\$0		

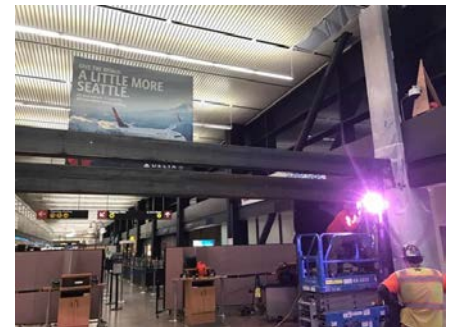
### Budget/Costs Incurred



### Construction Costs

Not Applicable

### Photos



## Concourse B Gate Reconfiguration

**Project:** C800873  
**Budget:** \$12,150,000  
**Phase:** Construction  
**Start:** 1/16/2017  
**Schedule Completion:** 7/15/2017

Tenant reimbursement project by Delta Air Lines to add two new gates and reconfigure four others at Concourse B.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Building permit was issued on January 12, 2017 and work began on January 16, 2017.

### Schedule

Delta anticipates completion before July 15, 2017.

### Budget

The project is on budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

### Risks

Conflicts with other work on Concourse B and unforeseen gate outages.

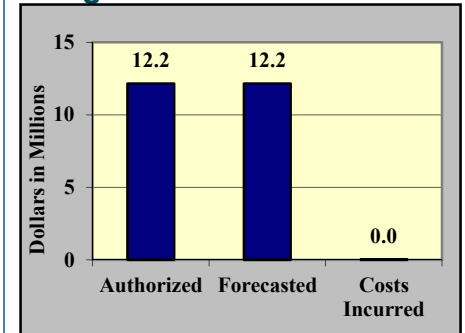
### Budget Transfers

Amount	From	To
\$500,000	C800873	C800019

### Cost of Construction Growth

None at this time

### Budget/Costs Incurred



### Construction Contract Costs

Not Applicable



## Employee Security Screening

**Project:** C800880  
**Budget:** \$3,500,000  
**Phase:** Construction  
**Start:** 7/3/2016  
**Schedule Completion:** 1/1/2017

Add security screening checkpoints for employees entering the secure areas of the airport.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

Phase 1 construction complete. Final equipment connections will be completed once the equipment is ready to be used. Started Phase 2 project definition.

## Schedule

Phase 1 facility is ready for screening operations to begin once staff hiring is complete. Phase 2 underway.

## Budget

Project is within the authorized budget.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

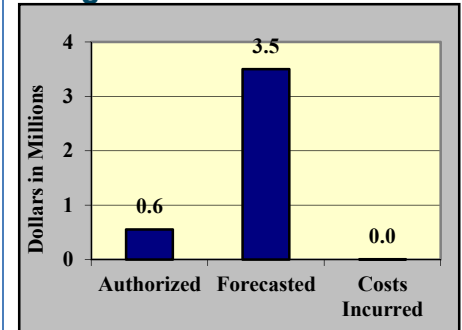
## Risks

None identified at this time.

## Budget Transfers

Amount	From	To
\$0		

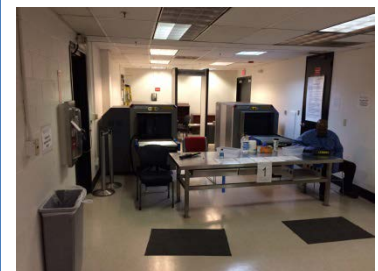
## Budget/Costs Incurred



## Construction Costs

Not Applicable

## Photos





## Lora Lake

**Project:** 104395 and 104396

**Budget:** \$24,300,000

**Phase:** Design

**Start:** 9/26/2010

**Schedule Completion:** 12/31/2018

Remediation of contaminated soils at Lora Lake Apartments site; and Capping and filling of the Lora Lake establishing wetland area adjoining Miller Creek.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: 9/13/2016

*(Commission Construction Auth.)*

### Significant Developments

Bid of Construction Contract completed. Contract executed in January 2017

### Schedule

Notice to Proceed construction scheduled for April 2017

### Budget

No changes to date

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

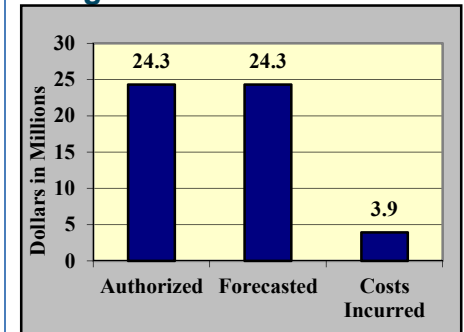
### Risks

Delay of Burien completing 8<sup>th</sup> Ave Stormwater relocation. Possibility of additional contamination being found during excavations.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable at this time

## Flight Corridor Safety Program – Ph. 1 Port Property

**Project:** U00225  
**Budget:** \$3,206,000  
**Phase:** Construction  
**Start:** 5/31/2015  
**Schedule Completion:** 12/31/2017

Removal of obstructions to navigable airspace on Port of Seattle property at Seattle-Tacoma International Airport, including extensive replanting and revegetating on-site.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 8/9/2016  
*(Commission Construction Auth.)*

### Significant Developments

Started Phase 1 obstruction removal. Work in two areas is being deferred to evaluating the options. A third public meeting will be hosted by POS on February 1, 2017 to continue outreach and engagement with the local community.

### Schedule

Phase 1 construction was initially delayed due to the Contractor's bid exceeding 10% of the Engineer's estimate; this required additional Commission action and delayed Phase 1 construction. Phase 1 construction began on January 17, 2017.

### Budget

Additional \$475,000 budget was approved to increase the project scope as necessary.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

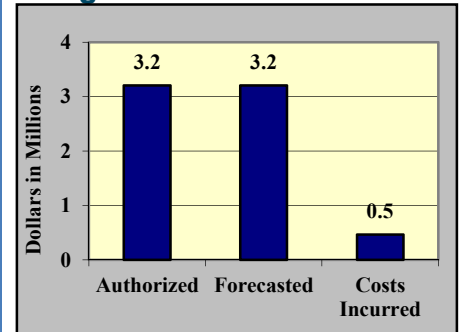
### Risks

Delays in awarding the project may result in additional costs and delay delivery.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## AIRPORT

## RM Abatement for Tenant Projects

**Project:** U00234 – U00237

**Budget:** \$1,800,000

**Phase:** Construction

**Start:** 12/1/2015

**Schedule Completion:** 5/31/2016

Provide Regulated Materials abatement in the Main Terminal for tenant spaces.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: N/A

*(Commission Construction Auth.)*

### Significant Developments

Remaining abatement in this project will be finished by a future project. This is the final quarterly report for this project.

### Schedule

Project complete and in closeout.

### Budget

Project is under budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

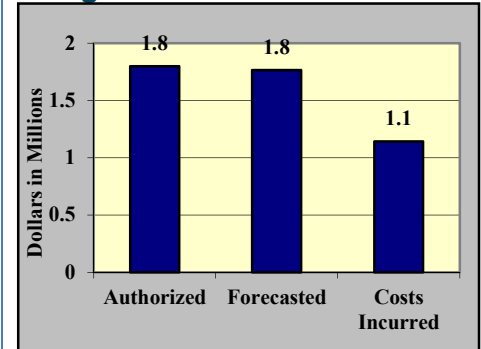
### Risks

None at this time.

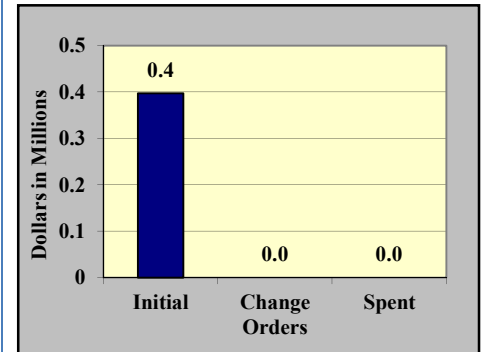
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## North East Redevelopment Area Program

**Project:** U00239  
**Budget:** \$5,000,000  
**Phase:** Design  
**Start:** 8/16/2015  
**Schedule Completion:** 5/12/2019

This is an FAA funded project with participation from the City of Burien but led by Port (500K each). The project is to redevelop the Area north of the airport in the City of Burien.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 10/14/2014  
*(Commission Construction Auth.)*

### Significant Developments

- Commission approved lease with developer Panattoni on November 22<sup>nd</sup>.
- Developer under 120 day due diligence period.
- Project Design Management Team meeting held November 2016.
- Technical Memos for Project Segment Alternatives submitted for review and comment.
- Preliminary design for firetruck turn arounds completed to proceed with street vacation on NERA 2 Parcel.
- Traffic Analysis Model for baseline conditions complete.

### Schedule

Project is currently on schedule.

### Budget

Project is within commission authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of COs	\$0	\$0

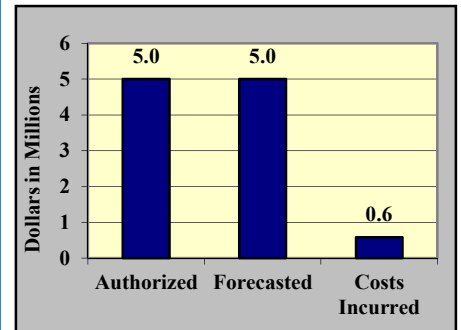
### Risks

Developer and inability to finalize an agreement would impact finalize project list for FAA concurrence.

### Budget Transfers

Amount	From	To
\$0		

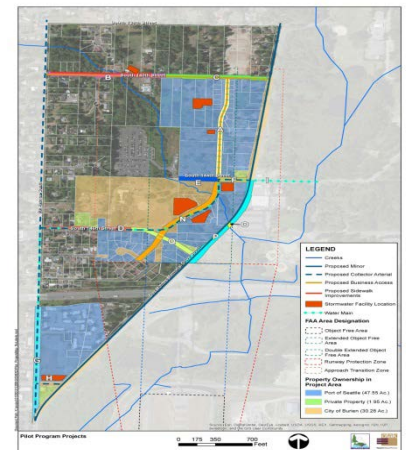
### Budget/Costs Incurred



### Construction Costs

None at this time

### Photo



## Highline Schools Noise Insulation

**Project:** C200007  
**Budget:** \$101,797,000  
**Phase:** Construction  
**Start:** 3/23/1999  
**Schedule Completion:** 11/30/2021

Highline School Insulation Agreement will provide funding for sound insulation for 15 schools that are impacted by aircraft noise from Sea-Tac Airport

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Port funds authorized for availability when the FAA, the State of Washington, and the Highline School District (HSD) provide matching funds. For an extended period, HSD had been unable to pass a school bond vote. In November 2016, voters approved a school bond for three schools. The FAA and the Port are currently discussing the terms of the agreement, and how to proceed. Project has an unknown timeframe until these discussions conclude.

### Schedule

The schedule for state funds is unknown. The district's schedule is dependent on obtaining general election bonds at various intervals. The district's construction schedule at this point is unknown.

### Budget

The project forecast is within the approved budget and authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

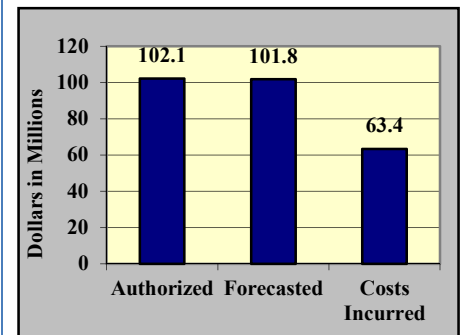
### Risks

Project was delayed due to funding issues with HSD. There is a risk if there are no bonds passed in the general election, and if FAA Airport Improvement Program (AIP) Grant funding is not available.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Single Family Home Sound Insulation

**Project:** C200093  
**Budget:** \$13,747,395  
**Phase:** Construction  
**Start:** 3/27/2007  
**Schedule Completion:** 11/1/2016

Sound Insulate remaining homes that are within the 1998- 65 decibel day night level (DNL) noise contour.

### Project Status:

Schedule: Within or Ahead  
Budget: On or Under  
Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

All construction relating to this project is complete and this project is in the process of being closed. A new CIP has been created that will continue a new single family insulation program.

### Schedule

Project completed on schedule. All billing has been completed.

### Budget

The project forecast was within approved budget and authorization to complete all homes.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

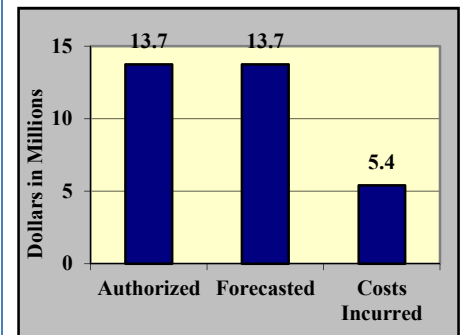
### Risks

This project is complete.

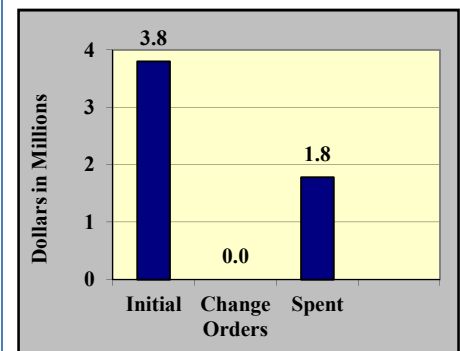
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## Tenant Reimbursement

**Project:** C800154  
**Budget:** \$4,709,577  
**Phase:** Construction  
**Start:** 8/14/2007  
**Schedule Completion:** TBD

Build-out of spaces for new and existing tenants. If more than a “basic finish”, condition space is built for the tenant. Tenant is required to reimburse the Port for the cost of the work beyond the “basic finish. Reimb allowed under the guidelines in the “Tenant Reimb. Policy:

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

Anticipate reimbursement in 2017 for some work that tenants have done on their project buildouts (Delta, Alaska, and American). The Port’s Fire Department has required the tenant to upgrade the fire sprinkler system in areas they are building out, as well as additional code upgrades. In addition, Commission authorized a tenant reimbursement to American Express of \$278,000 which will likely happen in Q3 2017.

## Schedule

Schedules vary to meet the tenant’s needs.

## Budget

The project forecast is within the approved budget and authorization.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

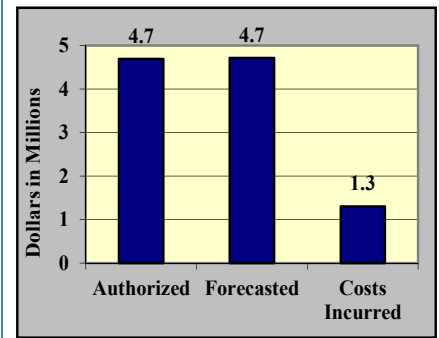
## Risks

None identified at this time

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not Applicable



## Street Vacations T-5 and T-18

**Project:** C102858, C102875  
**Budget:** \$5,300,000  
**Phase:** Implementation  
**Start:** 6/1/2010  
**Schedule Completion:** 2017

Street vacation related real estate negotiations and agreements – T-5, and T-18

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
 (Commission Construction Auth.)

### Significant Developments

Scope of project involves finalizing property agreements with asset owners in Port-owned land at Terminal 5 and Terminal 18. Includes reports on how the Port met Seattle Department Of Transportation (SDOT) imposed project conditions to approve street vacation petition (1995 for T-5, 1998 for T-18).

#### T-18 Work Completed:

- Drafted and delivered to SDOT a report documenting how the Port met the City imposed conditions for granting the street vacation.
- Drafted master easement with Seattle Public Utilities.
- Drafted asset transfer agreement with Seattle Public Utilities.
- Drafted easement for Seattle City Light.
- Drafted amended easement with Kinder Morgan and CenturyLink.
- Final report will be completed after execution of several property agreements between the Port, the City, other property owners on Harbor Island (See below).

#### T-5 Street Vacation work includes:

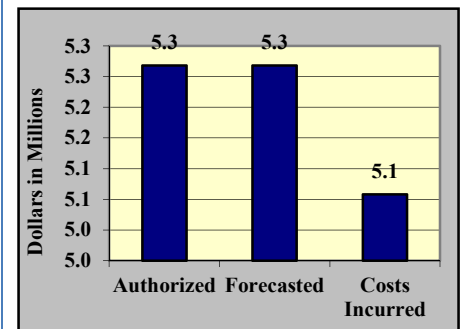
- Drafted and delivered report documenting Port's effort to meet street vacation petition conditions.
- Port and BNSF completed an agreement for a land exchange, involved several easements that will be recorded when T5 street vacation is signed by the City.
- Drafting SPU Master Easement
- Drafting SCL easement
- Identifying other utilities that required easements, including an amended easement with SCL and King County Waste Treatment Division.
- SDOT completing T-5 street vacation ordinance, placing it on Seattle City Council agenda for consideration and approval for the Mayor to sign (execute).

Recent plans were for T-5 to be worked on after completion of T-18. Now, attempting to complete T-5 concurrently with T-18, though likelihood of occurring low.

### Schedule

Schedule is driven by City of Seattle Council schedule and priorities, as well as Olympic Pipeline Company, and US EPA review of environmental documents

### Budget/Costs Incurred



### Construction Costs

Not Applicable

### Photos



supporting T-18 street vacation. SDOT wants to complete both T-5 and T-18 Street Vacations.

Expectation for completion of T-18 street vacation petition is at best mid-year 2017. T-5 Street vacation is planned for completion at end of year 2017.

## Budget

Overall budget between T-18 and T-5 projects is good. Little to no major expenditures is expected in the foreseeable future. Expense items that will cut

## Budget, cont.

into the budget are within the T-5 side of the project and should not significantly impact the overall budget.

## Change Order

	Current Quarter	Project Total
Number of COs	0	2
Amount of COs	\$0	\$20,390.33

Justification for COs: None this quarter

## Risks

None

## Budget Transfers

Amount	From	To
\$0		

## T-91 Lighting Upgrade

**Project:** C800160  
**Budget:** \$1,160,000  
**Phase:** Construction  
**Start:** 6/23/2014  
**Schedule Completion:** 2/26/2016

Lighting upgrade at Terminal 91

### Project Status:

Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 9/6/2016  
*(Commission Construction Auth.)*

### Significant Developments

The project is complete other than final training. Training is scheduled for February 28, 2017.

### Schedule

Expect to finish the project in February 2017.

### Budget

The budget was increased by \$125,000; now totaling \$1,160,000 for the total project cost. The project is expected to complete within the revised project budget.

### Change Order

	Current Quarter	Project Total
Number of COs	\$0	4
Amount of Cos	\$0	\$18,155

Justification for COs: None this quarter.

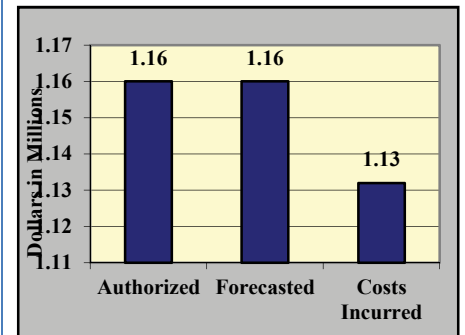
### Risks

None

### Budget Transfers

Amount	From	To
\$0		

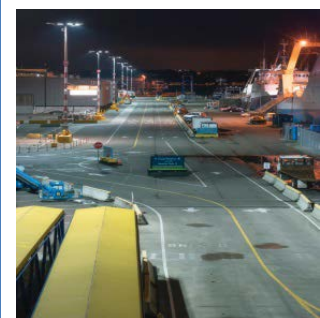
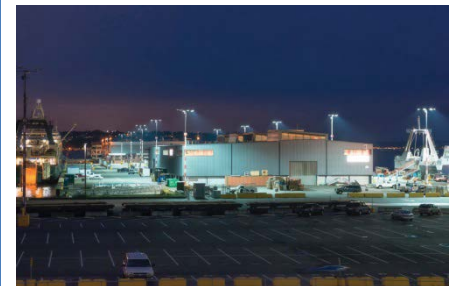
### Budget/Costs Incurred



### Construction Costs

Not Applicable

### Photos



## Shilshole Tenant Service Buildings

**Project:** C800356  
**Budget:** \$10,000,000 to 12,000,000  
**Phase:** Design  
**Start:** 1/6/2015  
**Schedule Completion:** 6/30/2018

Replacement/rehabilitation of five restrooms and laundry facilities at Shilshole Bay Marina by June 2017 for \$10-\$12M.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Public outreach for tenant feedback and priorities with moorage and business tenants continues. Second floor option evaluated for both of the restrooms to provide revenue potential for the Port, but was rejected due to poor financial performance.

### Schedule

The overall schedule was tightened due to additional design effort to evaluate and perform preliminary design on the second floor option. Target remains to have the new facilities to be online by mid-2018. This still allows us to take advantage of the off season construction to minimize disruption to operations.

### Budget

Project is within the approved budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

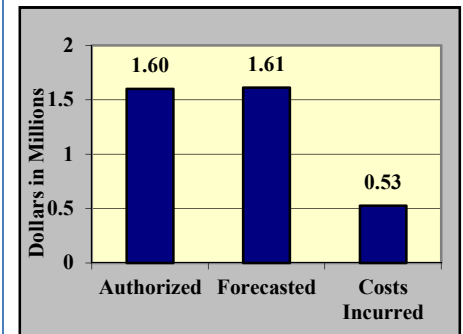
### Risks

No significant known risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

None at this time

## T-91 Substation Upgrades

**Project:** C800439  
**Budget:** \$2,149,000  
**Phase:** Construction  
**Start:** 11/4/2013  
**Schedule Completion:** 5/6/2016

Upgrade/replace existing substations/equipment at Substation Nos. 1, 14 and 15.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 6/14/2016  
*(Commission Construction Auth.)*

### Significant Developments

Construction Management continued claims negotiation with the prime contractor on the project. Port Maintenance procured additional ground fault safety devices to protect new electrical infrastructure. Field work scheduled for 1<sup>st</sup> Quarter 2017.

### Schedule

Port Maintenance to schedule ground fault safety device installation 1st Quarter 2017, right after the departure of fishing fleet to minimize substation shutdown impacts to our customers.

### Budget

No budget issues anticipated through project close-out.

### Change Order

	Current Quarter	Project Total
Number of COs	0	7
Amount of Cos	\$0	\$95,930

Justification for COs: None this quarter

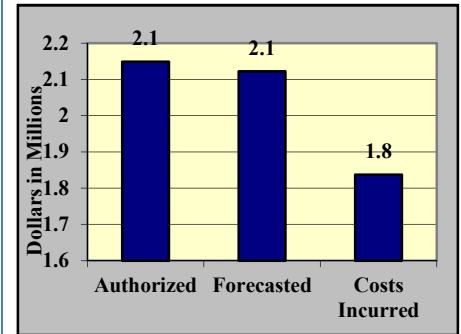
### Risks

None – Major works construction is complete, final claims settlement negotiation underway. Remaining budget should be adequate to complete the installation of the additional ground fault safety devices through closeout.

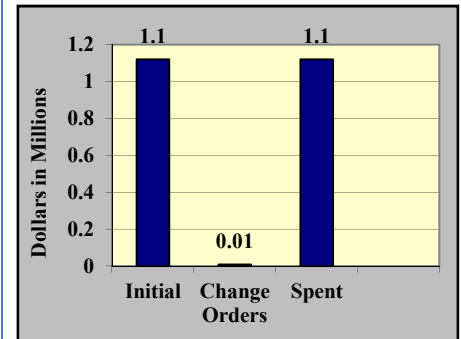
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



### Photo



## FT Gateway Building

**Project:** C800525

**Budget:** \$3,000,000

**Phase:** Design

**Start:** 12/1/2009

**Schedule Completion:** 12/31/2019

Demolition of NS #'s. 3 and 4, the C-9 Ship Supply Building, the C-12 Bank Building; and construction of 2 light industrial buildings, 1 retail building, and associated site infrastructure improvements.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: N/A

*(Commission Construction Auth.)*

### Significant Developments

RFQ for design services advertised. Commission authorized design on December 13, 2016.

### Schedule

Project currently on schedule for start of construction of Gateway Building at Fishermen's Terminal in 2018.

### Budget

Project currently within authorized budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

### Risks

None at this time.

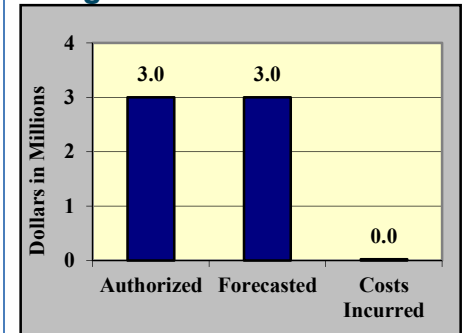
### Budget Transfers

Amount	From	To
\$0		

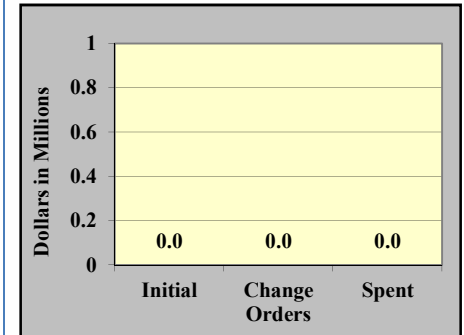
### Cost of Construction Growth

None at this time

### Budget/Costs Incurred



### Construction Contract Costs





## FT Net Sheds 3,4,5 & 6 Roof Replacement

**Project:** C800526

**Budget:** \$3,259,000

**Phase:** Construction

**Start:** 11/16/2014

**Schedule Completion:** 11/30/2017

Replace the existing roofing system on all four Net sheds with new security ladders, gutters, and fall protection system. Install 44 crystalline solar panels at NS 5.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: 12/13/2016

*(Commission Construction Auth.)*

### Significant Developments

Commission authorization approved on December 13, 2016. Advertisement will occur in Q1 2017 and Bid in Q2 2017.

### Schedule

This project is on schedule.

### Budget

No budget issues anticipated.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

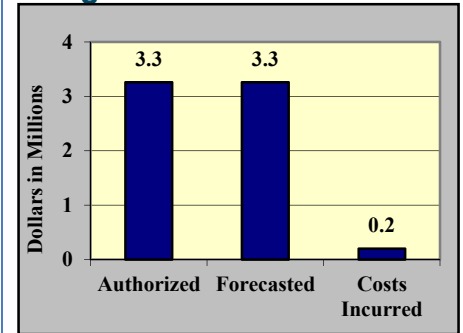
### Risks

None

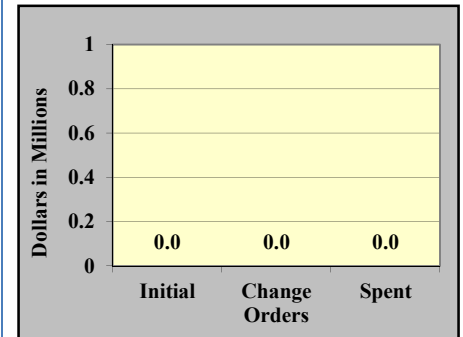
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Contract Costs



### Photo



## Argo Yard Truck Roadway

**Project:** C800546, E104751, E104754

**Budget:** \$7,750,000

**Phase:** Construction

**Start:** 3/11/2012

**Schedule Completion:** 4/15/2015

New Port of Seattle owned truck roadway between East Marginal Way and Colorado Avenue South right-of-way.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: 4/22/2014

*(Commission Construction Auth.)*

### Significant Developments

Union Pacific (UPRR) track crossing improvements (POS sharing costs) on East Marginal Way and Colorado Avenue still to be completed; awaiting finalization of construction agreements (currently in progress) between Port, UPRR, and City of Seattle; and scheduling of UPRR crew. UPRR Element III Argo Yard Automated Gate System improvements (POS to administer FMSIB funding) construction bids received by UPRR and scope is being value engineered due to higher than expected bid amounts.

### Schedule

UPRR railroad crossing improvements anticipated to be completed by Q4 2017. UPRR Element III Argo freight yard Automated Gate System improvements anticipated to be completed in 2018.

### Budget

Project is currently within the budget authorized by Commission on April 22, 2014.

### Change Order

	Current Quarter	Project Total
Number of COs	0	34
Amount of COs	\$0	\$408,681

Justification for COs: N/A

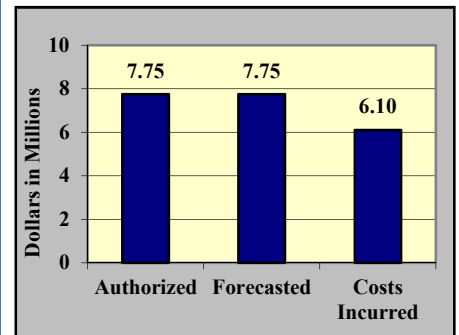
### Risks

No significant known risks at this time.

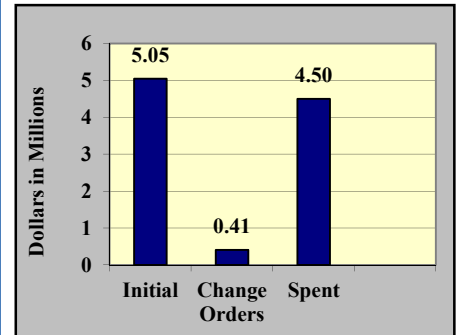
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## T-46 Permit Mitigation

**Project:** C800620-U00064

**Budget:** \$1,250,000

**Phase:** Design

**Start:** 3/26/2013

**Schedule Completion:** 7/31/2018

Construct over water public access pedestrian pier to comply with permit requirement in operation of T46.

### Project Status:

Schedule: Delayed

Budget: On or Under

Status Reset: N/A

*(Commission Construction Auth.)*

## Significant Developments

Completed 100% design, scheduled to start construction December 2017 pending Trustee project approval.

## Schedule

Project is delayed due to Port/Trustee NRD negotiation of the Sites 23-25 Restoration project. Completed 100% design on January 27, 2017

## Budget

Currently within budget

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

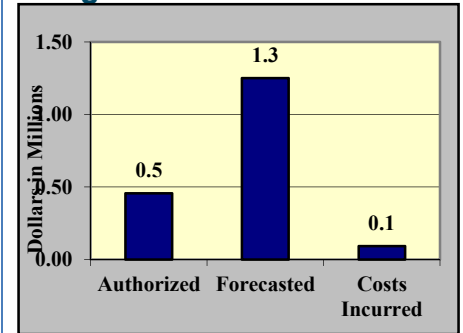
## Risks

Potential risk of T-46 container operation due to out of permit condition out of compliance.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Contract Costs

Not Applicable

## T-91 Fender Upgrades

**Project:** C800675  
**Budget:** \$2,470,000  
**Phase:** Design  
**Start:** 1/31/2016  
**Schedule Completion:** 10/31/2017

Upgrade/replace existing timber fender system at the south end of Pier 91

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: 4/26/2016  
*(Commission Design Auth.)*

### Significant Developments

Design Authorization received April 26, 2016. Design underway.

### Schedule

In-water work such as pile driving must be accomplished within a permit fish window and outside of cruise operation dates. Construction scheduled to start in October 2017.

### Budget

Project is within budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

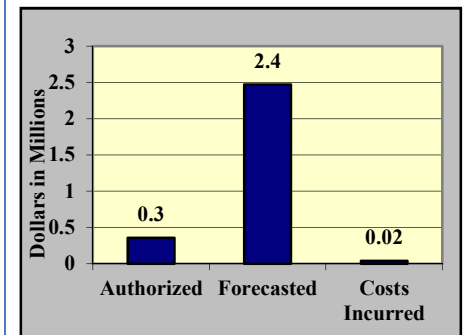
### Risks

Aggressive schedule originally planned will not be achieved. Schedule extension lowers the overall risk of the project

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not applicable at this time

## East Marginal Way Grade Separation

**Project:** E102007  
**Budget:** \$56,256,171  
**Phase:** Closeout  
**Start:** 5/1/2006  
**Schedule Completion:** 12/31/2017

FAST Corridor funded project; FHWA, State, City with Port commitment of \$22,480,807. Scope is to construct grade separation in vicinity of T5 and T18 to minimize truck traffic/rail conflicts.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 4/22/2014  
*(Commission Construction Auth.)*

### Significant Developments

Coordination continued with City of Seattle for properties and easements conveyance to City. Proposed Lot Boundary Adjustment for POS properties have now been approved by Seattle DCI and recorded with King County. POS preparing proposed easement documents for review by SDOT as well as Seattle City Light and Seattle Public Utilities.

### Schedule

Anticipate final acceptance by Seattle Department of Transportation (SDOT) in 2017.

### Budget

Project is on track within the April 22, 2014 Commission authorization.

### Change Order

	Current Quarter	Project Total
Number of COs	0	97
Amount of COs	\$0	\$1,922,967

Justification for COs: None this quarter.

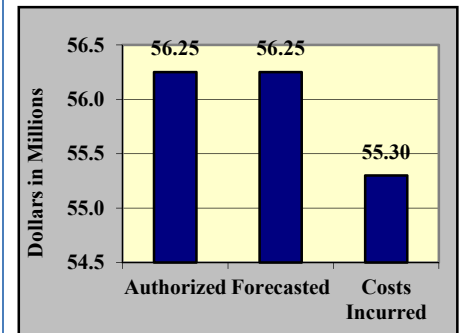
### Risks

No risks at this time.

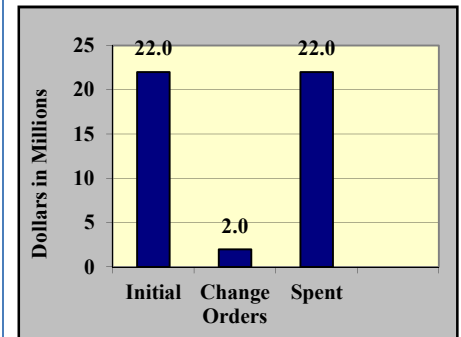
### Budget Transfers

Amount	From	To
0		

### Budget/Costs Incurred



### Construction Costs



## Viaduct Construction Coordination

**Project:** E104324, E104535-38  
**Budget:** \$2,900,000  
**Phase:** Implementation  
**Start:** 1/1/2009  
**Schedule Completion:** 12/31/2018

Participate in the design & construction of the bored tunnel, N. & S. portals, Holgate to King St, Central Waterfront surface streets, & related projects to ensure adequate connection to port facilities.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

The Port made the final contribution to funding of the Viaduct Replacement Project at end of October 2016. Tunneling was more than three-fourths completed by end of 2016. Seawall Phase 1 construction continued. Mercer West construction was completed.

## Schedule

Tunneling is expected to be complete by June 2017 and roadway construction is scheduled through 2018. Construction of Seawall Phase I to be complete by mid-2017. Central Waterfront start/completion depends on completion of SR99 tunnel and Viaduct demolition, but likely to begin in 2019.

## Budget

Port staff costs were within anticipated 2016 spending.

## Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

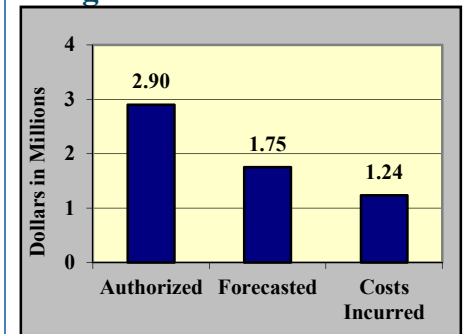
## Risks

Project delays due to unforeseen construction issues.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not Applicable

## Photos

South Portal Bldg. - SR99 Tunnel



North Portal Bldg. - SR99 Tunnel



## P66 Alaskan Way Street Improvements

**Project:** U00218  
**Budget:** \$1,282,000  
**Phase:** Design  
**Start:** 4/1/2015  
**Schedule Completion:** 5/31/2017

Widen a segment of Alaskan Way in the vicinity of the Bell Street Cruise Terminal to improve traffic flow and safety during cruise days.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 8/23/2016  
*(Commission Construction Auth.)*

### Significant Developments

Continued design through SDOT's Street Improvement Permit design guidance process. City reviewed 90% design submittal. Three party (King County, City and Port) agreement allowing improvements to be built within City right of way and on land no longer needed for the old water front street cars under review by the agencies.

### Schedule

City expects to issue Street Improvement Permit in February 2017. Project team to assess whether work can be completed before the start of the 2017 cruise season or defer start after the completion of the cruise season.

### Budget

Budget is on track.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

### Risks

Street Improvement Permit process has taken longer than expected. With the permit approval pending and weather and other elements that could negatively influence construction, the project team will reassess construction schedule after permit is in hand. Field work may be deferred to October 2017 after the completion of the cruise season.

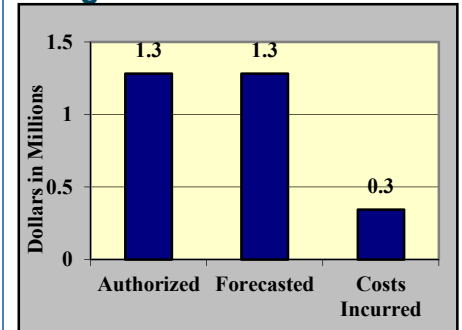
### Budget Transfers

Amount	From	To
\$0		

### Cost of Construction Growth

None at this time

### Budget/Costs Incurred



### Construction Contract Costs



### Photo

## T-102 HMCC Roofs and HVAC Units Replacement

**Project:** C800196  
**Budget:** \$6,200,000  
**Phase:** Construction  
**Start:** 9/1/2014  
**Scheduled Completion:** 10/31/2016

Replace Corporate Center building roofs, final group (3<sup>rd</sup> phase) of rooftop HVAC units, and all rooftop gas piping. Assets are at the end of their service lives.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Construction completed on Buildings B, C, & D.

### Schedule

Building A construction work suspended until Spring 2017.

### Budget

Project currently within authorized budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	5
Amount of COs	0	\$36,700

Justification for COs: None this quarter.

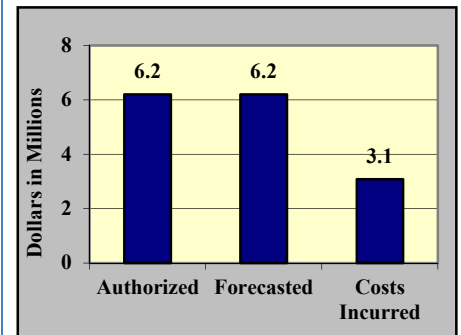
### Risks

No risks at this time.

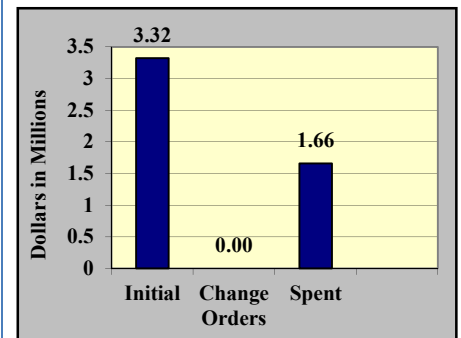
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## ECON. DEVELOPMENT



## P69 Beam Rehabilitation Project

**Project:** C800698

**Budget:** \$3,024,000

**Phase:** Construction

**Start:** 7/1/2014

**Schedule Completion:** 11/30/2016

Rehabilitate five rows of concrete roof beams supporting top of clear story windows at P69.

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: 10/27/2015

*(Commission Construction Auth.)*

### Significant Developments

The project has now been completed. This is the final report.

### Schedule

The project was completed ahead of schedule.

### Budget

The project was completed under budget.

### Change Order

	Current Quarter	Project Total
Number of COs	0	8
Amount of COs	\$0	\$49,671

Justification for COs: N/A

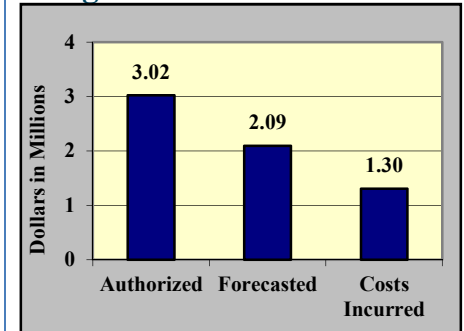
### Risks

N/A

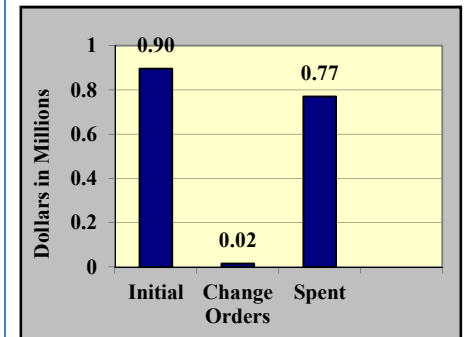
### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs



## BHICC Interior Modernization

**Project:** C800889  
**Budget:** \$900,000  
**Phase:** Planning  
**Start:** 10/11/2016  
**Schedule Completion:** 6/30/2019

Modernize the interior of the Bell Harbor International Conference Center to make the facility more effective as event spaces.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: 10/11/2016  
*(Commission Design Auth.)*

### Significant Developments

Commission approved planning and design funding on October 11, 2016. Began consultant design services solicitation in November and received six submittals. Interviews scheduled and final selection to be made in January, 2017.

### Schedule

Complete design consultant selection, rates negotiation, and scope/fees development Q1 2017 and begin final design. Detailed schedule would be developed once scope of work is better defined and refined by the collective team. This project is currently being managed together with a separate CIP on the modernization of Bell Street facility's exterior/façade. Conceptual level schedule reflects construction completion of both interior and exterior modernization by June 2019.

### Budget

Design budget is based on preliminary conceptual plans and will need to be validated through additional planning/design efforts.

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

### Risks

The project's design team has not been selected. Their services will be required to help Port define, refine scope, schedule and budget for the entire project.

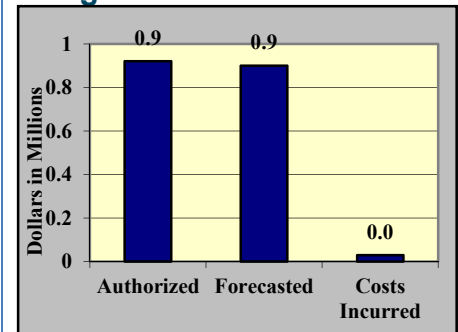
### Budget Transfers

Amount	From	To
\$0		

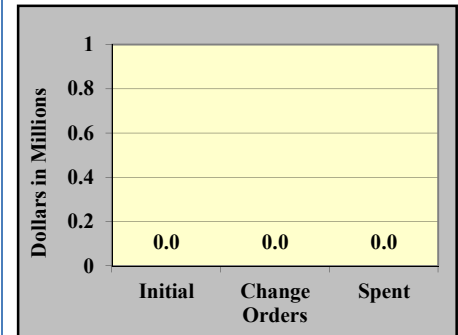
### Cost of Construction Growth

None at this time

### Budget/Costs Incurred



### Construction Contract Costs



## ECON. DEVELOPMENT

## ID Badge System Replacement

**Project:** C800162  
**Budget:** \$2,500,000  
**Phase:** Implementation  
**Start:** 5/1/2012  
**Schedule Completion:** 5/1/2017

Procurement and replacement of the Portwide ID Badge system including software, hardware, and equipment.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

The first phase of the new Badge System deployed on November 5, 2014. A 2<sup>nd</sup> deployment to add authorized signer efficiencies is in the implementation stage.

### Schedule

A critical project to replace the vendor providing an interface with TSA for the badging process security checks and focus on performance improvements will redirect Port and vendor resources resulting in a delay of the final components of the ID Badge System Replacement project by an additional three months.

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	1
Amount of Cos	\$0	\$108,497

Justification for COs: None this quarter

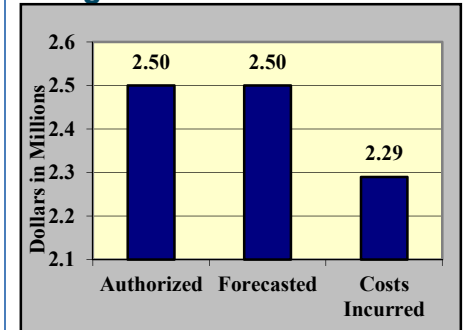
### Risks

Resource availability may continue to delay the second phase deliverables.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Contractor Data System Upgrade

**Project:** C800519  
**Budget:** \$675,000  
**Phase:** Implementation  
**Start:** 7/1/2013  
**Schedule Completion:** 3/1/2017

Upgrade of the Contractor Data System used by Engineering and other groups to track contracts for construction projects.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Testing is in progress.

### Schedule

Good progress is being made in this development project and consistent business review, prioritization, and validation ensures we are working on the highest priority features. Resource availability due to competing priorities will delay the final deployment to first quarter 2017.

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

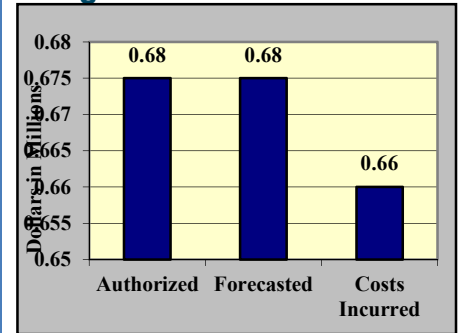
### Risks

No significant risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Construction Document Management

**Project:** C800521

**Budget:** \$900,000

**Phase:** Closeout

**Start:** 9/10/2013

**Schedule Completion:** 11/30/2016

Replacement of the Construction Document Management System; used by Construction Management, to accept, review, and distribute critical documentation.

### Project Status:

Schedule: Delayed

Budget: On or Under

Status Reset: N/A

*(Commission Construction Auth.)*

## Significant Developments

System deployment completed. Closeout in progress.

## Schedule

Implementation is in progress but vendor has significantly underestimated the work resulting in a schedule delay to fourth quarter 2016.

## Budget

On budget

## Change Order

	Current Quarter	Project Total
Number of COs	1	3
Amount of Cos	\$36,000	\$157,000

Justification for COs: 1) Additional requirements were identified during testing.

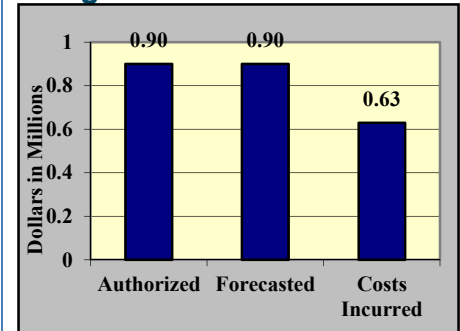
## Risks

Vendor has significantly underestimated work in the contract and may further delay implementation in contract disputes.

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not Applicable

## Airport Voice Paging Upgrade

**Project:** C800709  
**Budget:** \$1,600,000  
**Phase:** Implementation  
**Start:** 3/28/2016  
**Schedule Completion:** 5/31/2017

Upgrade the Voice Paging System used by Airport Operations and Airlines for customer service announcements.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Design and configuration are in progress.

### Schedule

On schedule

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

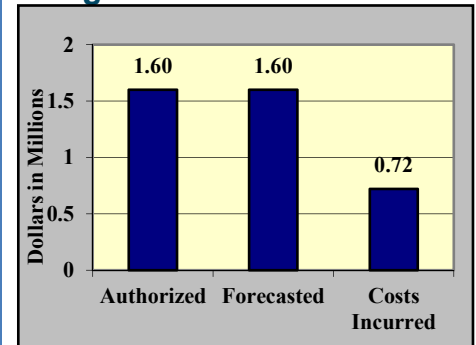
### Risks

No significant risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Parking System Replacement

**Project:** C800728  
**Budget:** \$5,500,000  
**Phase:** Design  
**Start:** 1/6/2015  
**Scheduled Completion:** 12/30/2017

Replacement of the Airport Main  
Garage Parking System

### Project Status:

Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

System development and hardware manufacturing in progress for 2<sup>nd</sup> quarter initial implementation.

### Schedule

On schedule

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	1	3
Amount of Cos	\$192,882	\$232,632

Justification for COs: 1) Vendor will provide additional integration features to support integration with Port systems. 2) Vendor will provide additional feature to allow payment of one transaction with multiple payment cards. 3) Payment device changes

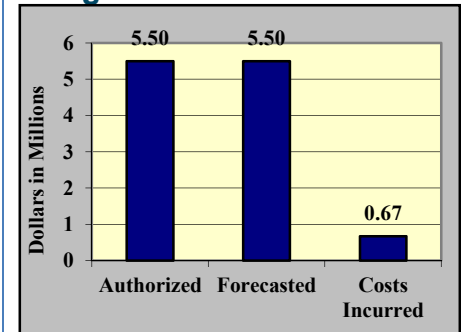
### Risks

Vendor's credit card clearing house certification process may take longer than anticipated, delaying initial deployment until third quarter 2017.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable



## Vessel Moorage System

**Project:** C800729  
**Budget:** \$550,000  
**Phase:** Planning  
**Start:** 1/12/2016  
**Schedule Completion:** 3/30/2017

Implementation of a vessel moorage system to support marina and terminal operations.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Only one vendor responded to the original RFP. The requirements have been re-evaluated and a new proposal has been advertised.

### Schedule

The final project will likely be delayed due to procurement issues. Will report on expected delay once bids are received and we understand the scope of the delay.

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

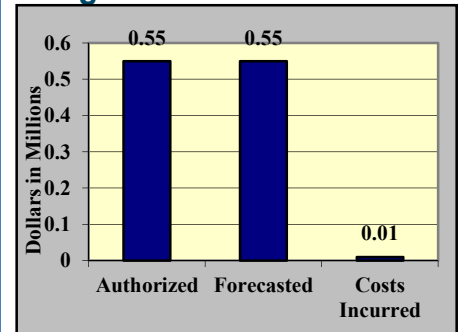
### Risks

Only one bidder responded to the new system procurement, limiting competition. The team has re-advertise which will likely delay deployment.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Maximo Upgrade

**Project:** C800746  
**Budget:** \$1,000,000  
**Phase:** Closeout  
**Start:** 5/10/2015  
**Schedule Completion:** 2/15/2017

Upgrade Maximo System used by Aviation and Maritime Maintenance and Information & Communication Technology

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

## Significant Developments

System was deployed on schedule in January 2017.

## Schedule

Additional time for configuration and testing, along with resource constraints during the holidays delayed the project to first quarter 2017.

## Budget

On budget

## Change Order

	Current Quarter	Project Total
Number of COs	1	4
Amount of Cos	\$9,375	\$154,500

Justification for COs: N/A

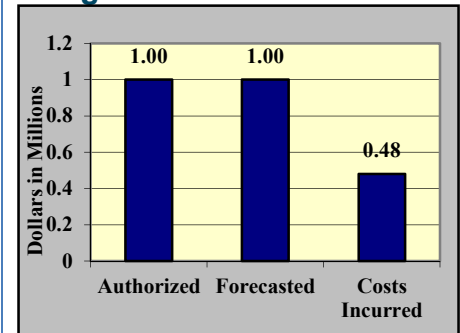
## Risks

No significant risks at this time

## Budget Transfers

Amount	From	To
\$0		

## Budget/Costs Incurred



## Construction Costs

Not Applicable

## Data Center Operations/Business Continuity

**Project:** C800748  
**Budget:** \$1,200,000  
**Phase:** Implementation  
**Start:** 1/12/2016  
**Schedule Completion:** 6/30/2017

Build out of the remote data center to support automated backup and recovery

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Implementation is in progress.

### Schedule

During the design process, complexities were identified that will delay the final deployment to 2<sup>nd</sup> quarter 2017.

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

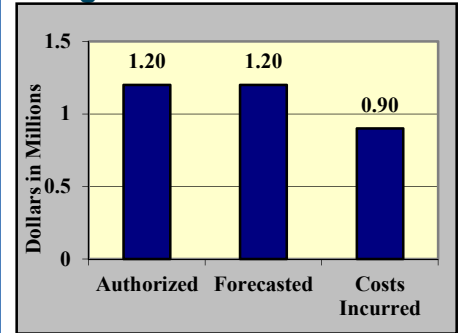
### Risks

No significant risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Port of Seattle Website Redevelopment

**Project:** C800776  
**Budget:** \$800,000  
**Phase:** Planning  
**Start:** 8/9/2016  
**Schedule Completion:** 12/31/2017

Redevelopment of the Port of Seattle Website

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Procurement completed for website design and developer. Design is in progress.

### Schedule

On schedule

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

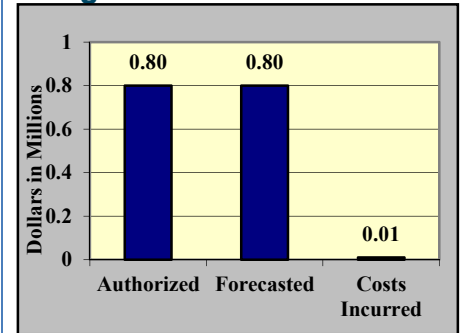
### Risks

No significant risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Airport Data Network Switch Upgrade

**Project:** C800788  
**Budget:** \$2,982,000  
**Phase:** Design  
**Start:** 2/23/2016  
**Schedule Completion:** 4/30/2017

Equipment and software upgrade for the network supporting Airport Operations systems.

**Project Status:**  
 Schedule: Within or Ahead  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Design, procurement, and configuration in progress.

### Schedule

On schedule

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

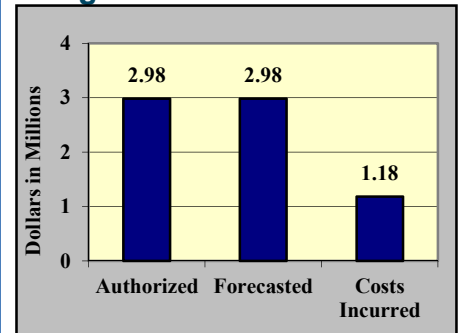
### Risks

No significant risks at this time.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## SeaTac Smartphone App

**Project:** C800800  
**Budget:** \$500,000  
**Phase:** Implementation  
**Start:** 2/23/2016  
**Schedule Completion:** 12/28/2017

Upgrade the Voice Paging System used by Airport Operations and Airlines for customer service announcements.

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Development is in progress.

### Schedule

The team has re-evaluated solution and the Port development team will partner with a design firm to deliver mobile application. . The first phase deployment has been delayed by four months to Q2 2017.

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

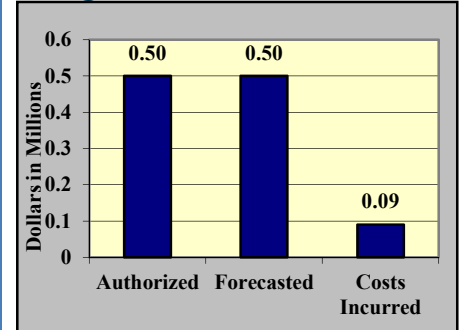
### Risks

No significant risks at this time.

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable

## Airport Telecommunications Capacity Increase

**Project:** C800827  
**Budget:** \$565,000  
**Phase:** Implementation  
**Start:** 2/23/2016  
**Schedule Completion:** 4/30/2017

Increase of copper and fiber telecommunications capacity to meet Port and Tenant requirements

**Project Status:**  
 Schedule: Delayed  
 Budget: On or Under  
 Status Reset: N/A  
*(Commission Construction Auth.)*

### Significant Developments

Contractor is now on board and implementation has begun.

### Schedule

Procurement has taken longer than expected delaying the project by four (4) months.

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

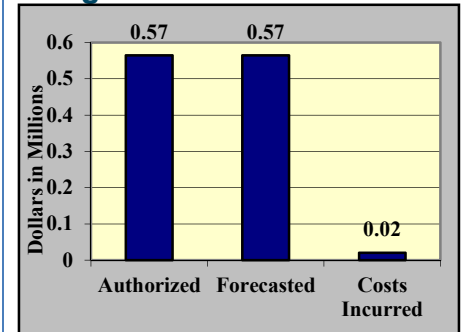
### Risks

No significant risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable



## Airport Passenger Flow System

**Project:** C800835

**Budget:** \$580,000

**Phase:** Planning

**Start:** 6/19/2016

**Schedule Completion:** 5/31/2017

Expand the North Loop Subway

Wait Time Display to the South

Loop and Shuttle Stations

### Project Status:

Schedule: Within or Ahead

Budget: On or Under

Status Reset: N/A

*(Commission Construction Auth.)*

### Significant Developments

Design and development is in progress.

### Schedule

On schedule

### Budget

On budget

### Change Order

	Current Quarter	Project Total
Number of COs	0	0
Amount of Cos	\$0	\$0

Justification for COs: N/A

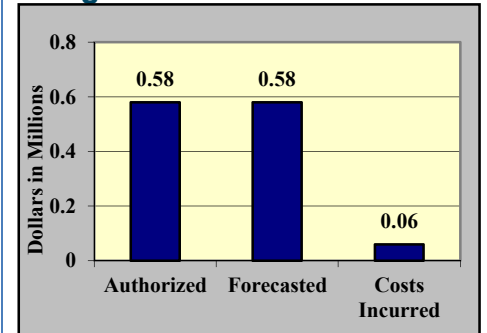
### Risks

No significant risks at this time

### Budget Transfers

Amount	From	To
\$0		

### Budget/Costs Incurred



### Construction Costs

Not Applicable