



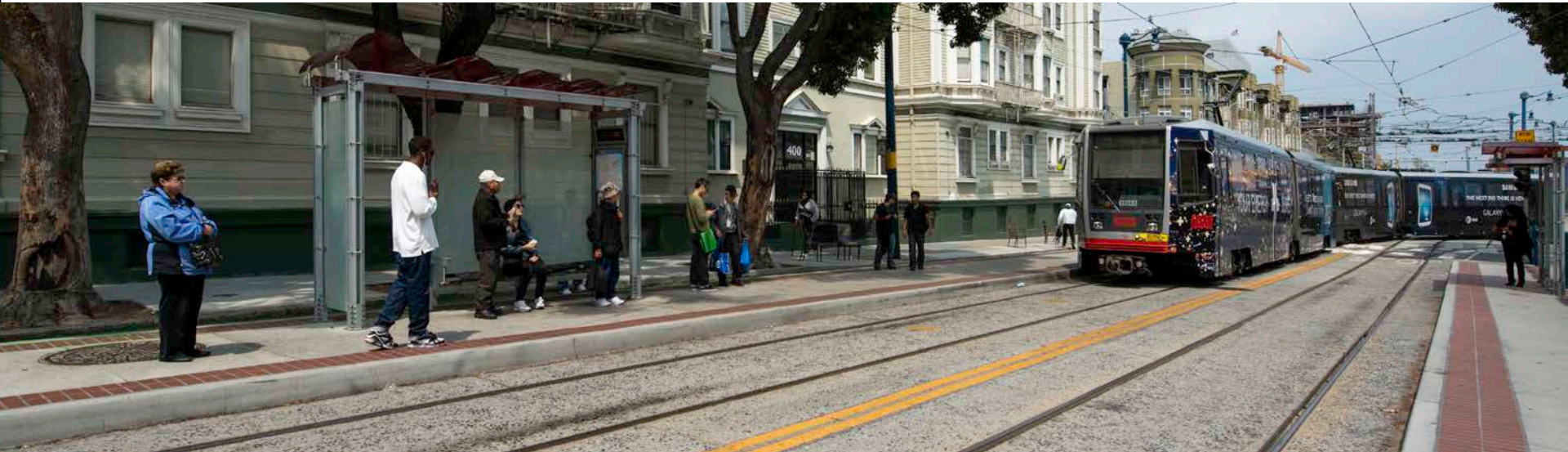
**SFMTA**  
Municipal  
Transportation  
Agency

# Project Delivery

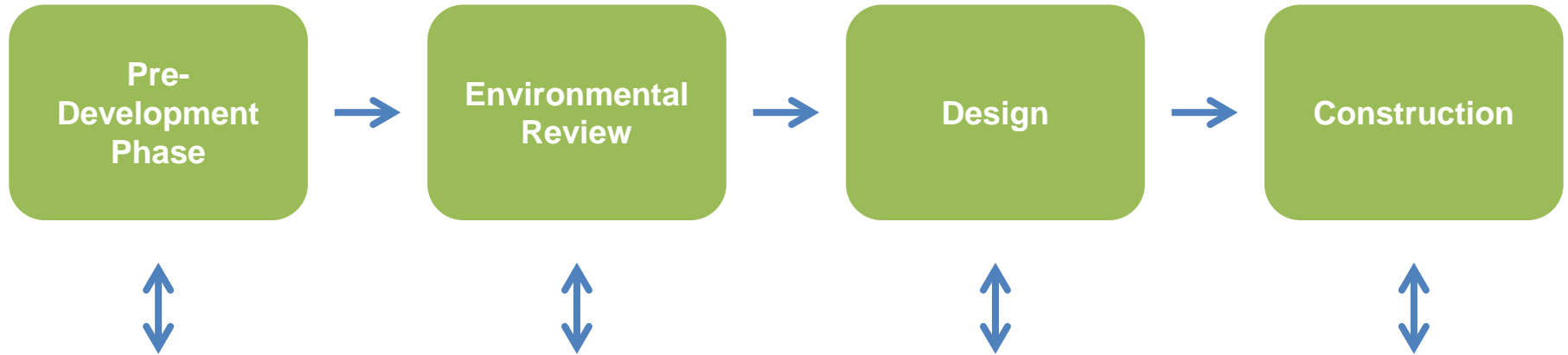
Board of Supervisors  
Plans & Programs Committee  
June 17, 2014

# Presentation Overview

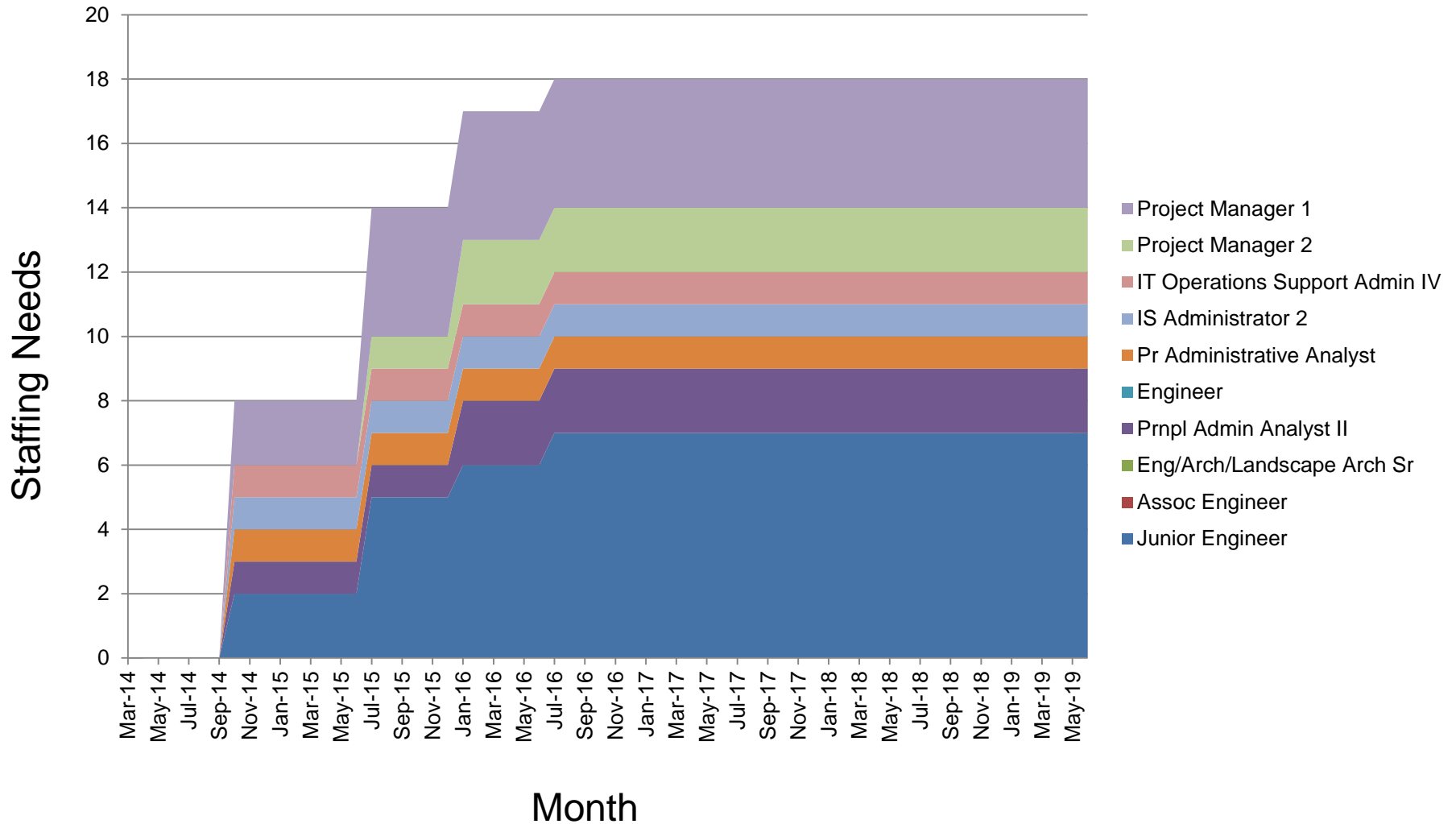
- Project delivery process improvements
  - Audit recommendations and beyond
- Recent project delivery highlights
- Next steps



# The Life of a Project



# Preparing to Deliver More Projects

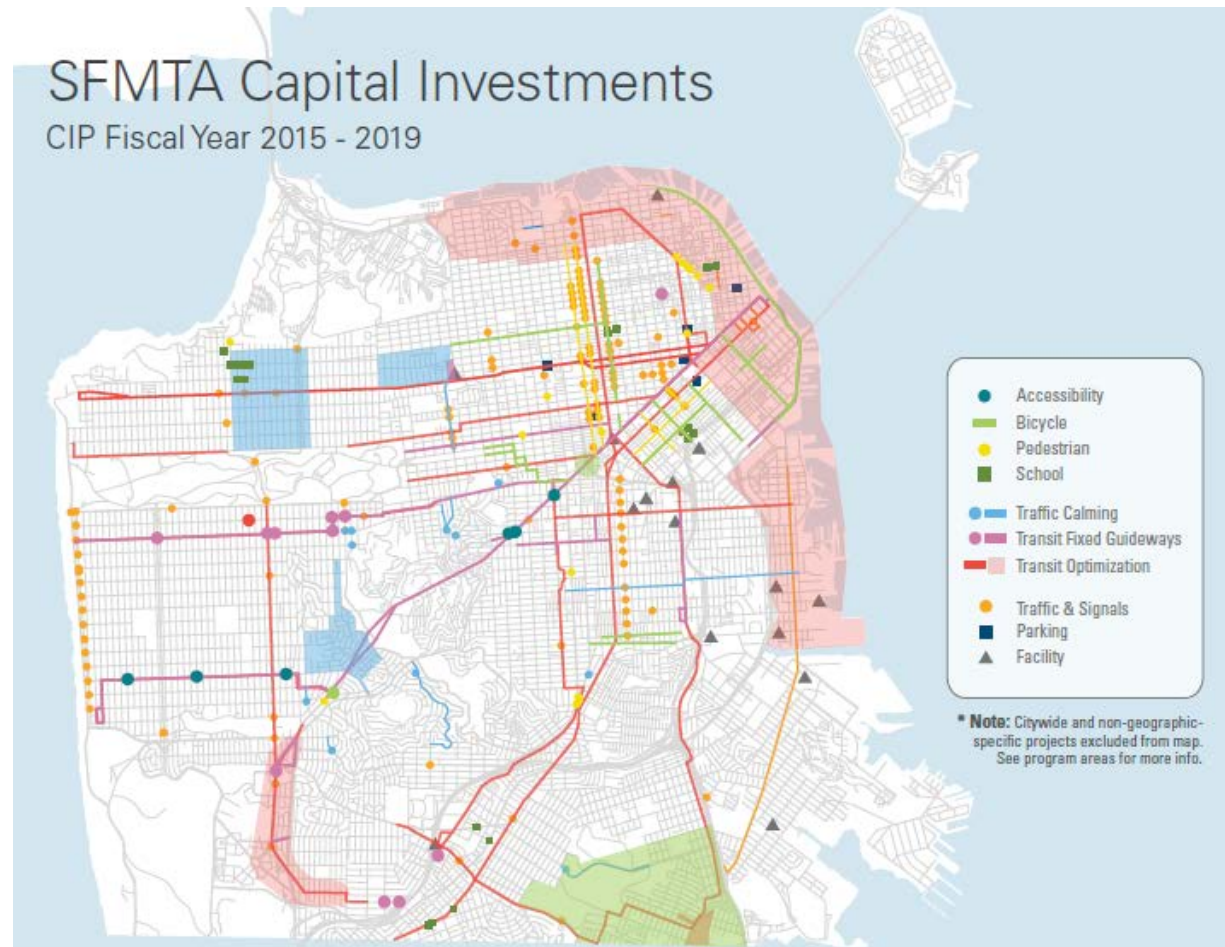


# 2011 Audit → SFMTA Process Upgrades

Area of Concern	SFMTA Improvement
Time & cost overruns	<ul style="list-style-type: none"><li>• Project pre-development phase</li><li>• Primavera P6</li><li>• Progress reports</li></ul>
Reporting & oversight	<ul style="list-style-type: none"><li>• Clarified operating procedures</li><li>• Risk analysis for large capital projects</li></ul>
Confusing financial information	<ul style="list-style-type: none"><li>• Capital Project Control Systems (CPCS)</li><li>• EcoSys</li><li>• Contract manager integration</li></ul>
Inadequate management processes	<ul style="list-style-type: none"><li>• Capital Resource Information System</li><li>• Project Charter for Inter-Agency Coordination</li><li>• Risk analysis using CPCS</li></ul>
Process improvement projects	<ul style="list-style-type: none"><li>• Capital Plan and Program Policies</li><li>• Project Delivery Taskforce</li><li>• Transtat – Capital Projects</li></ul>

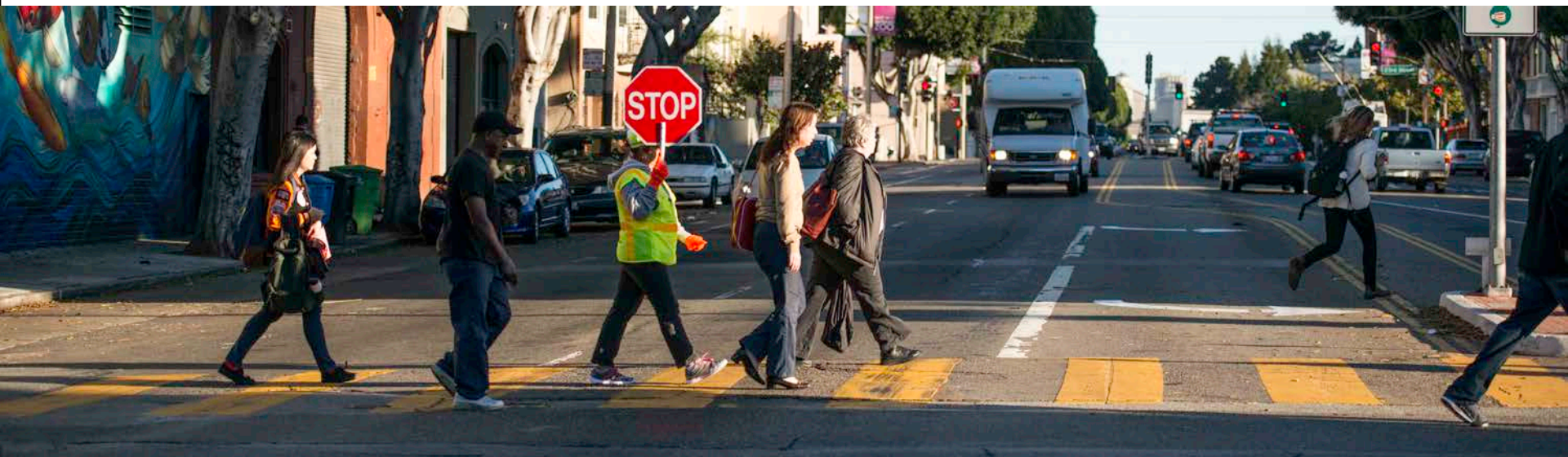
# Capital Planning & Analysis

- New policies adopted 2011
- Data analysis & documentation
- Capital Improvement Plan
- Annual review



# Project Pre-Development Phase

- Define project scope
- Prepare cost estimates
- Identify coordination opportunities
- Provide training, structure, guidelines



# Complete Streets = Coordination



Cesar Chavez construction

- Intra-agency planning and project integration
- Streets Capital Group
  - SFDPW
  - Planning Department
  - SFPUC
  - SFCTA
  - SFMTA



# Project Management Technology

Before

FANL6450 VS.1 CITY AND COUNTY OF SAN FRANCISCO--NFAMIS 05/29/2014  
 LINK TO: ORGANIZATION SUMMARY INQUIRY 10:16 AM

BALANCE (Y,M,Q,A) : Y CURR/PRIOR PRD : CURRENCY CODE :  
 FISCAL MO/YEAR : 11 2014 MAY 2014 FUNDING PERIOD :  
 INDEX CODE : 606059 SS EN TRANSPORT ENG METER PROJ  
 ORGANIZATION :  
 CHAR / OBJECT :  
 FOTP FUND SFND :  
 PROJECT PROJ DTL :  
 GRANT GRANT DTL :  
 USER CD :

S	SUBOBJ	DESCRIPTION	BUDGET	ACTUAL	PRENC/ENC	BALANCE
	00101	MISC-REGULAR	273,468			273,468
	01301	RETIRE CITY MISC	58,303			58,303
	01401	SOCIAL SECURITY (0	16,956			16,956
	01402	SOCIAL SECURITY -	3,966			3,966
	01501	HEALTH SERVICE-CIT	13,328			13,328
	01571	DEPENDENT COVERAGE	32,616			32,616
	01601	DENTAL COVERAGE	5,616			5,616

F1-HELP F2-SELECT F4-PRIOR F5-NEXT  
 F7-PRIOR PG F8-NEXT PG F9-LINK  
 GO 14 - RECORD FOUND

After

EcoSys SFMTA CPCS EPC Production  
 Home  
 Projects at a Glance (ACTIVE ONLY) | Projects at a Glance (ALL PROJECTS - List View)

Project Details

ProjectWBS ID	Project/WBS Name	Baseline Budget	Approved Budget	Estimate at Completion	Budget Variance (App Bdgt - EAC)	Allocated Funding	Spent to Date	Encumbrances	Remaining Balance	Estimate to Complete	Current Start	Current Finish
		\$6,800,000	\$6,835,157	\$6,539,734	\$295,423	\$6,835,159	\$5,675,764	\$473,159	\$686,235.93	\$863,971		
[-] CPT6291	Woods Division Lifts Replacement	\$6,800,000	\$6,835,157	\$6,539,734	\$295,423	\$6,835,159	\$5,675,764	\$473,159	\$686,235.93	\$863,971	02/01/2010	12/04/2014
[-] 1	Conceptual Engineering	\$110,000	\$235,829	\$233,872	\$1,957	\$235,830	\$233,872	\$0	\$1,958.00	\$0	02/01/2010	09/09/2010
[-] 2	Detail Design	\$880,000	\$900,459	\$900,459	(\$0)	\$900,459	\$900,459	\$0	\$0.01	\$0	09/10/2010	01/22/2013
[-] 3	Construction	\$5,810,000	\$5,698,869	\$5,405,403	\$293,466	\$5,698,870	\$4,541,432	\$473,159	\$684,277.92	\$863,971	01/22/2013	12/04/2014
[-] 1	SFMTA Labor and ODC	\$1,160,000	\$1,395,000	\$1,313,251	\$81,749	\$1,395,000	\$966,399	\$0	\$428,600.51	\$346,852	01/22/2013	12/04/2014
1	Project Management	\$180,000	\$180,000	\$155,798	\$24,202	\$180,000	\$109,086	\$0	\$70,914.46	\$46,712	01/22/2013	12/04/2014
2	Engineering	\$330,000	\$330,000	\$300,259	\$29,741	\$330,000	\$132,014	\$0	\$197,986.17	\$168,245	01/22/2013	12/04/2014
3	Construction Management	\$650,000	\$875,000	\$857,195	\$17,805	\$875,000	\$725,300	\$0	\$149,699.88	\$131,895	01/22/2013	09/30/2014
4	Other Direct Costs	\$0	\$10,000	\$0	\$10,000	\$10,000	\$0	\$0	\$10,000.00	\$0	10/01/2013	09/30/2014
2	Other Support Services	\$0	\$45,000	\$45,000	\$0	\$17,100	\$1,040	\$0	\$16,059.83	\$43,960	10/01/2013	09/30/2014
4	Contracts & Purchase Orders	\$3,860,000	\$4,029,092	\$4,029,092	\$0	\$4,029,092	\$3,555,933	\$473,159	\$0.53	\$473,159	01/22/2013	09/30/2014
9	Contingency	\$790,000	\$229,777	\$18,060	\$211,717	\$257,677	\$18,060	\$0	\$239,617.05	\$0	01/22/2013	12/04/2014

# SFMTA Culture Change Initiative



- Quarterly Director's meetings
- Intra-agency communication
- Better defining responsibilities & roles
- Leadership training

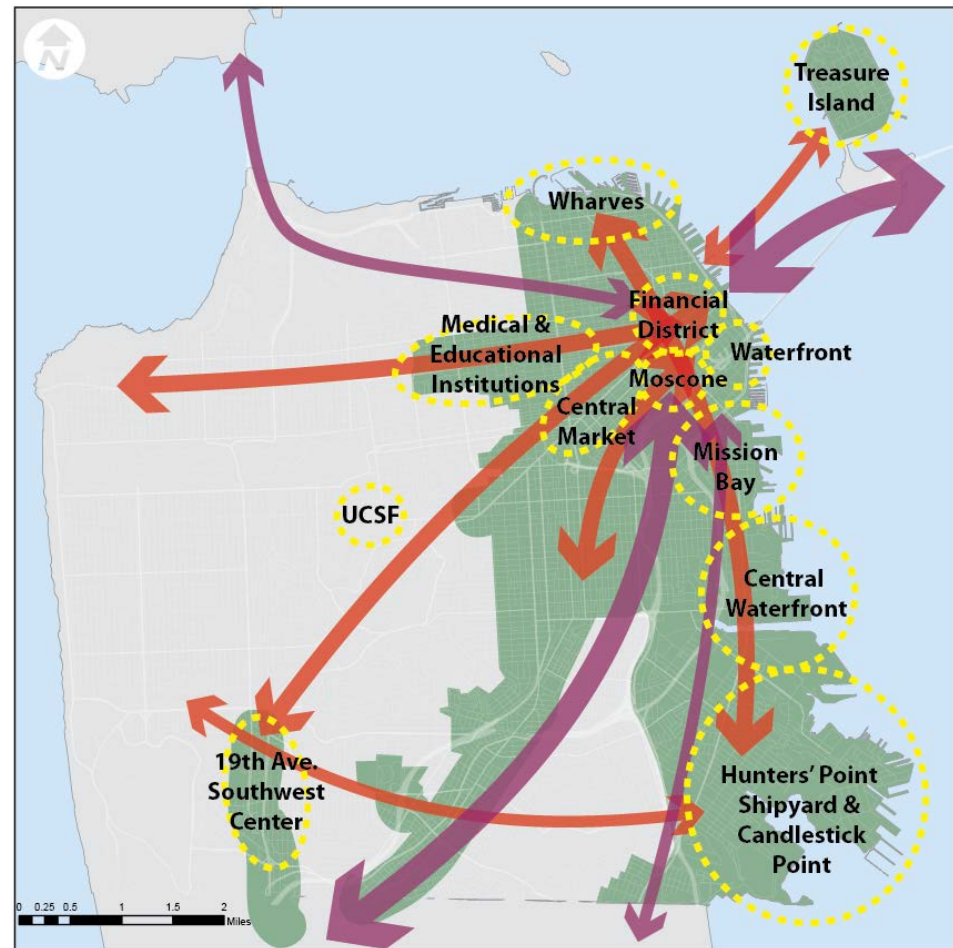
# Outreach & Engagement



Increasing outreach and standardizing  
community engagement processes

# Long-Range Planning

- Transportation 2030/Mayor's Transportation Task Force
- 20-Year Capital Plan (2013-2032)
- Strategic Plan
- San Francisco Transportation Plan



Projected growth corridors

# Cesar Chavez Streetscape



Collaboration with Public Works, SFPUC, Planning Department & community

**Result:** Improved safety, aesthetics, transit efficiency and sewer system while minimizing cost and neighborhood disruption

**Audit-recommended improvements: Strengthened management processes**

# 5L Fulton Pilot Project

- Pilot approach for faster delivery
- Close coordination inside agency
- Community engagement = improved results
- **Audit-recommended improvements:  
Avoided time & cost overruns**



# Fleet Procurement



Efficiency + creativity → better project delivery and more reliable Muni service

**Audit-recommended improvements: Process, reporting & oversight**

# Next Steps

- Capital Programs and Controls System rollout throughout SFMTA to include small project delivery
- Staffing analysis and planning to enable capacity for upcoming projects
- Instituting interagency project charter to strengthen coordination



**Thank you!**



**SFMTA**  
Municipal  
Transportation  
Agency



# Appendix

# Project Delivery Best Practices

Project Planning	Project Implementation	Ongoing Efforts
Aligned priorities and resources	Cost/schedule integration	Transparency
Defined project scopes	Timely access to data	Accountability
Detailed and accurate estimates	Risk management	Quality assurance
Resource-loaded schedules	Change management	Standardized processes
	Progress reporting	Aligned goals & objectives
	Trend analysis	Performance management

# Business Process Re-Engineering (Based on Audit Findings)

Finding	Solution
Capital program policies and priorities not clearly specified or enforced.	Developed new Capital Plan & Program Policies and formed the Transportation Capital Committee (TCC).
Project scope defined too late in the process; poor initial cost estimates.	Established Pre-Development phase to better define scope and prepare accurate cost estimates.
Project delivery goals and expectations not aligned amongst all divisions and sections.	Introduced 'complete-streets' concept to align delivery objectives and utilize funds effectively.
Personnel not provided with appropriate tools and data to properly manage project portfolios.	CRIS, CPCS, electronic funding request system and scope/schedule/budget template
Performance measures not completely formulated, impacting risk management.	Performance measures of project delivery in the FY2013 –FY 2018 Strategic Plan

# Capital Improvement Plan Summary



- *5-Year Capital Improvement Program*

- Totals **\$3.16 billion**
- Funding from **more than 30 different federal, state and local sources**
- Contains **350 projects in 16 Capital Programs**



- *Major Capital Improvements and Programs*

- **Communications/IT Projects:** Radio Replacement, Train Control & Communications, Asset Mgmt System;
- **Street Projects:** Bike/Pedestrian/Signal and Traffic Calming;
- **Transit Infrastructure:** Overhead Systems and Track
- **Vehicles:** Procurement and Rehabilitation
- **Major Expansion:** Central Subway, Van Ness BRT



# Goals and Objectives

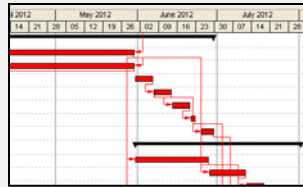
- Analyze and re-engineer existing business processes, including budget revision control and processing
- Provide timely, accurate, and useful information to project managers and executives
- Reduce manual processes and double-entry of project information
- Create a System of Record for all project data - including scope, schedule, budget, forecasts, and actuals
- Develop standardized WBS templates and common reporting across programs
- Establish relevant performance metrics



# Captial Program Controls System (CPCS)

## Primavera P6

- STANDARDIZED WBS
- SCHEDULE & RESOURCE MANAGEMENT
- FORECAST LABOR COSTS



## EcoSys EPC

- COST/SCHEDULE INTEGRATION
- TREND ANALYSIS
- PERFORMANCE MEASUREMENT

A screenshot of the EcoSys EPC software interface. The interface shows a table with columns for Project ID, Project, Cost Code, Digital Price, Current Cost Calculator, and % Recovery. A large, 3D red dollar sign is overlaid on the table. The table contains multiple rows of data, including project IDs like 42384 and 42385, and project names like 'Sonder Park 10'.

## Oracle CM13

**CONTRACT  
MGMT**



## SharePoint

**ELECTRONIC  
DOCUMENT  
MGMT &  
WORKFLOWS**



# CPCS: Web-Based Access

The screenshot shows a web browser window with the address bar displaying <http://cpcs.sfmta.com/>. The browser's address bar also shows [sfmta.com](http://sfmta.com). The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The browser's toolbar shows several icons, including a star, a magnifying glass, and a close button. The browser's status bar shows several icons, including a star, a magnifying glass, and a close button.

The main content area of the browser displays the CPCS web application. At the top right, the SFMTA logo is visible. The central part of the page features a large, stylized graphic with the text "CPCS CAPITAL PROGRAM CONTROLS SYSTEM" in large, bold, red letters. Surrounding this central text are various other words and phrases in different colors and orientations, including "UPGRADE", "TIMELY", "ACCURATE", "COLLABORATIVE", "PROJECT", "PROCEDURES", "TRANSFORM", "REPORT", "TRANSPARENT", "SF MUNICIPAL TRANSPORTATION AGENCY", "CENTRALIZE", "AUTOMATE", "STREAMLINE", "WEB-BASED", "SOLUTION", "IMPACT", "TECHNOLOGY", "SFMTA", and "TOOLS".

On the left side of the page, there is a navigation menu with the following items:

- Progress Reporter
- P6
- EDMS
- EcoSys EPC
- Contract Management (CM13)
- Review Comments System (RCF)

On the right side of the page, there is a navigation menu with the following items:

- Help Manual
- Key Capital Project Reports
- Go to insideSFMTA
- Go to C.R.I.S.



# CPCS: Key System Configurations

- Daily integration with Primavera P6 and Agency's financial accounting system
- Dashboards displaying project-level and activity-level information
- Standardized and controlled budget revisions
- Performance measurements enabled through cost and schedule integration
- On-screen and Excel-template reports



# **SAMPLE SCREENSHOTS**

# Project-Level P6/EcoSys Integration

Projects

Activities Projects

Layout:EPS Quick Review

Project ID	Project Name	Project Manager	Project Engineer	Resident Engineer	Current Phase	Program
◆ SFMTA	San Francisco Municipal Transportation Agency					
◆ CPCD	Capital Programs and Construction Division					
◆ CIP	Capital Improvement Program					
◆ ACC	Accessibility Program					
◆ COMM-IT	Communications-IT Program					
◆ FAC	Facility Program					
CPT3034	Transit Operator Convenience Stations Ph II	TK	JN	VERIFY	Cons	SFMTA.CPCD.CIP.FAC
CPT4321	Islais Creek Facility Phase I	DG	CN	EH	Close	SFMTA.CPCD.CIP.FAC
CPT4322	Islais Creek Facility Phase II	DG	CN	TBD	DD	SFMTA.CPCD.CIP.FAC
CPT5421	Presidio ETI Bus Hoist Lifts	HN	DT	VY	DD	SFMTA.CPCD.CIP.FAC
CPT5922	Glen Park Community Plan Implementation	DG	JN		CER	SFMTA.CPCD.CIP.FAC
CPT6291	Woods Division Lifts Replacement	TK	DT	TBD	Cons	SFMTA.CPCD.CIP.FAC
CPT6641	Green Rail Center Roof Rehabilitation	KN	MF	TBD	Cons	SFMTA.CPCD.CIP.FAC
◆ FLT	Fleet Program					
◆ PED	Pedestrian Program					
◆ SAF	Safety					
◆ SEC	Security Program					
◆ TFG	Transit Fixed Guideway Program					
◆ OPT-EXP	Transit Optimization - Expansion Program					
◆ MCPI	Major Capital Programs Initiatives (MCPI)					
◆ INDIR	Indirect / Overhead Projects					
◆ OUTAGENC	Outside Agency Projects					
◆ FIT	Finance & Information Technology Division					

**Project Code Integration**

# Activity-Level P6/EcoSys Integration

- WBS, schedule, forecast costs, and percent complete integrated.

Activity ID	Activity Name	Start	Finish	Remaining Labor Cost	Actual Labor Cost	At Completion Labor Cost
<b>CPT6291</b>	<b>Woods Division Lifts Replacement</b>	01-Feb-10 A	04-Dec-14	\$346,851.65	\$2,116,659.46	\$2,463,511.12
CPT6291.1	Conceptual Engineering	01-Feb-10 A	09-Sep-10 A	\$0.00	\$155,664.68	\$155,664.68
CPT6291.2	Detail Design	10-Sep-10 A	22-Jan-13 A	\$0.00	\$910,736.35	\$910,736.35
CPT6291.3	Construction	22-Jan-13 A	04-Dec-14	\$346,851.65	\$1,050,258.43	\$1,397,110.08
<b>CPT6291.3.0</b>	<b>Construction Milestones</b>	22-Jan-13 A	04-Dec-14	\$0.00	\$0.00	\$0.00
<b>CPT6291.3.1</b>	<b>SFMTA Labor and ODC</b>	22-Jan-13 A	04-Dec-14	\$346,851.65	\$1,050,258.43	\$1,397,110.08
<b>CPT6291.3.1.1</b>	<b>Project Management</b>	22-Jan-13 A	04-Dec-14	\$46,712.06	\$111,039.48	\$157,751.54
6291-3111	CP1 - Project Management	22-Jan-13 A	30-Sep-14	\$32,408.81	\$111,039.48	\$143,448.29
6291-3115	CP5 - Project Management Closeout	30-Sep-14	04-Dec-14	\$14,303.25	\$0.00	\$14,303.25
<b>CPT6291.3.1.2</b>	<b>Engineering</b>	22-Jan-13 A	04-Dec-14	\$168,245.00	\$143,172.86	\$311,417.87
6291-3121	CP1 - Eng Svs Construction Support	22-Jan-13 A	30-Jun-14	\$115,660.52	\$143,172.86	\$258,833.39
6291-3128	CP8 - Eng Svs Closeout Support	30-Sep-14	04-Dec-14	\$52,584.48	\$0.00	\$52,584.48
<b>CPT6291.3.1.3</b>	<b>Construction Management</b>	22-Jan-13 A	30-Sep-14	\$131,894.59	\$796,046.08	\$927,940.67
6291-3131	CP- CM Support for CN1231R	22-Jan-13 A	10-Jun-14	\$79,790.78	\$796,046.08	\$875,836.87
6291-3138	CP8 - CM Support for CN1231R Closeo	11-Jun-14	30-Sep-14	\$52,103.81	\$0.00	\$52,103.81
<b>CPT6291.3.1.4</b>	<b>Other Direct Costs</b>	01-Oct-13 A	30-Sep-14	\$0.00	\$0.00	\$0.00
<b>CPT6291.3.2</b>	<b>Other Support Services</b>	01-Oct-13 A	30-Sep-14	\$0.00	\$0.00	\$0.00
<b>CPT6291.3.4</b>	<b>Contracts &amp; Purchase Orders</b>	22-Jan-13 A	30-Sep-14	\$0.00	\$0.00	\$0.00
<b>CPT6291.3.9</b>	<b>Contingency</b>	22-Jan-13 A	04-Dec-14	\$0.00	\$0.00	\$0.00

# Executive Dashboard – Program Level

EcoSys SFMTA CPCS EPC Production  
Home

Projects at a Glance (ACTIVE ONLY) | Projects at a Glance (ALL PROJECTS - List View)

Projects at a Glance Dashboard

GROUP BY: SFMTA Organization + CIP

Sheet Edit Display Rows

*	Project #	Project Name	Project Manager	Current Phase	Approved Start	Approved Finish	Baseline Budget	Approved Budget	Estimate at Completion	Budget Variance (App Bdgt - EAC)
							\$1,026,387,724	\$1,071,569,397	\$1,080,952,514	(\$9,383,117)
		IFall		lolo						
San Francisco Municipal Transportation Agency							\$1,026,387,724	\$1,071,569,397	\$1,080,952,514	(\$9,383,117)
Capital Programs and Construction Division							\$1,003,292,085	\$1,048,486,397	\$1,059,829,102	(\$11,342,704)
CPCD Capital Improvement Program							\$1,003,292,085	\$1,048,486,397	\$1,059,829,102	(\$11,342,704)
Accessibility Program							\$17,350,000	\$20,350,000	\$17,767,023	\$2,582,977
Communications - IT Program							\$213,578,658	\$245,280,060	\$226,521,270	\$18,758,790
Facility Program							\$109,512,500	\$110,384,439	\$154,988,595	(\$44,604,156)
	CPT3034	<a href="#">Transit Operator Convenience Stations Ph II</a>	Kavanagh, Tess	Construction	02/15/2009	06/30/2014	\$1,835,000	\$2,573,139	\$2,537,065	\$36,074
	CPT4322	<a href="#">Islais Creek Facility Phase II</a>	Greenaway, David	Detail Design	09/15/2011	12/11/2015	\$35,000,000	\$35,000,000	\$80,364,343	(\$45,364,343)
	CPT5421	<a href="#">Presidio ETI Bus Hoist Lifts</a>	Kavanagh, Tess	Detail Design	02/01/2006	08/28/2014	\$4,855,500	\$3,641,502	\$3,230,572	\$410,930
	CPT5922	<a href="#">Glen Park Community Plan Implementation</a>	Greenaway, David	Detail Design	06/10/2013	04/06/2015	\$940,000	\$940,000	\$1,198,900	(\$258,900)
	CPT6291	<a href="#">Woods Division Lifts Replacement</a>	Kavanagh, Tess	Construction	02/01/2010	09/10/2014	\$6,800,000	\$6,835,157	\$6,539,734	\$295,423
	CPT6641	<a href="#">Green Rail Center Roof Rehabilitation</a>	Ngan, Kenny	Construction	07/01/2005	02/28/2014	\$5,600,000	\$6,912,641	\$6,635,981	\$276,660
	FA0101	<a href="#">Paint Booth Upgrade (Woods &amp; Potrero)</a>	*TBD	Planning	07/01/2014	11/17/2017	\$850,000	\$850,000	\$850,000	\$0
	FA0104	<a href="#">Potrero Shed and Hoists</a>	*TBD	Planning	07/01/2014	11/17/2017	\$4,300,000	\$4,300,000	\$4,300,000	\$0
	FA0105	<a href="#">Upgrade life and fire safety systems</a>	*TBD	Planning	07/01/2014	06/09/2017	\$1,750,000	\$1,750,000	\$1,750,000	\$0
	FA0116	<a href="#">Woods Wash Racks</a>	*TBD	Planning	07/01/2015	07/10/2017	\$642,520	\$642,520	\$642,520	\$0
	FA0118	<a href="#">Woods Renovation (3) Hoists &amp; (40) Bays</a>	*TBD	Planning	07/01/2014	11/17/2017	\$6,750,000	\$6,750,000	\$6,750,000	\$0
	FA0120	<a href="#">MME Additional Equipment</a>	*TBD	Planning	07/01/2014	11/17/2017	\$200,000	\$200,000	\$200,000	\$0
	FA0121	<a href="#">MME Paint &amp; Body Shop</a>	*TBD	Planning	07/01/2014	11/20/2017	\$39,654,480	\$39,654,480	\$39,654,480	\$0
	FA0125	<a href="#">Transit Reproduction Relocation to 1 SVN</a>	*TBD	Planning	07/01/2014	11/22/2017	\$85,000	\$85,000	\$85,000	\$0
	FA0131	<a href="#">Reconfigured Space for Proof of Payment Unit</a>	*TBD	Planning	07/01/2014	11/17/2017	\$250,000	\$250,000	\$250,000	\$0
Fleet Program							\$2,486,676	\$2,690,209	\$2,832,220	(\$142,011)

# Activity-Level Reports

EcoSys SFMTA CPCS EPC Production

Home

Projects at a Glance (ACTIVE ONLY) Projects at a Glance (ALL PROJECTS - List View)

Projects at a Glance Dashboard

Project Details

Navigation

Sheet Edit Display Rows

Project/WBS ID	Project/WBS Name	Baseline Budget	Approved Budget	Estimate at Completion	Budget Variance (App Bdgt - EAC)	Allocated Funding	Spent to Date	Encumbrances	Remaining Balance	Estimate to Complete	Current Start	Current Finish
		\$6,800,000	\$6,835,157	\$6,539,734	\$295,423	\$6,835,159	\$5,675,764	\$473,159	\$686,235.93	\$863,971		
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+ 1	Conceptual Engineering	\$110,000	\$235,829	\$233,872	\$1,957	\$235,830	\$233,872	\$0	\$1,958.00	\$0	02/01/2010	09/09/2010
+ 2	Detail Design	\$880,000	\$900,459	\$900,459	(\$0)	\$900,459	\$900,459	\$0	\$0.01	\$0	09/10/2010	01/22/2013
[-] 3	Construction	\$5,810,000	\$5,698,869	\$5,405,403	\$293,466	\$5,698,870	\$4,541,432	\$473,159	\$684,277.92	\$863,971	01/22/2013	12/04/2014
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4	Other Direct Costs	\$0	\$10,000	\$0	\$10,000	\$10,000	\$0	\$0	\$10,000.00	\$0	10/01/2013	09/30/2014
+ 2	Other Support Services	\$0	\$45,000	\$45,000	\$0	\$17,100	\$1,040	\$0	\$16,059.83	\$43,960	10/01/2013	09/30/2014
+ 4	Contracts & Purchase Orders	\$3,860,000	\$4,029,092	\$4,029,092	\$0	\$4,029,092	\$3,555,933	\$473,159	\$0.53	\$473,159	01/22/2013	09/30/2014
+ 9	Contingency	\$790,000	\$229,777	\$18,060	\$211,717	\$257,677	\$18,060	\$0	\$239,617.05	\$0	01/22/2013	12/04/2014

# Standardized Budget Revisions

Budget Revision Detail														
* Budget Revision: 00008 - Green Back Chair Test * Show All Or Non Zero Records: All - Show All Records Project: CPT6861 - Twin Peaks Tunnel Rail Replacement														
Project/Phase/Service	Index Code	WBS	WBS Name	Baseline Budget	Current Approved Budget	Current Allocated Funding	Encumbrance	Remaining Balance	Revision to Approved Budget	Revision to Allocated Funding	Revised Approved Budget	Revised Allocated Funding	Phase Chg to Apprvd Bud is > 10%	
				\$39,796,700	\$46,880,000	\$3,005,458	\$105,002	\$1,984,722.26	\$100,000	\$76,230.89	\$46,980,000	\$3,081,689.09		
CPT6861 - Twin Peaks Tunnel Rail Replacement				\$39,796,700	\$46,880,000	\$3,005,458	\$105,002	\$1,984,722.26	\$100,000	\$76,230.89	\$46,980,000	\$3,081,689.09		
0 - Pre-Development				\$50,000	\$50,000	\$73,920	\$0	\$0.00	\$0	\$0.00	\$50,000	\$73,919.52		
1 - Conceptual Engineering				\$997,920	\$997,920	\$645,539	\$17,146	\$28,800.90	\$100,000	\$76,230.89	\$1,097,920	\$721,769.57		
1 - SFMTA Labor and ODC				\$690,000	\$690,000	\$485,811	\$0	\$27,417.86	\$100,000	\$76,230.89	\$790,000	\$562,041.88		
	68E093	CPT6861.1.1.1	Project Management	\$200,000	\$200,000	\$80,000	\$0	\$23,769.11	\$0	(\$23,769.11)	\$200,000	\$56,230.89	Yes	
	68E094	CPT6861.1.1.2	Engineering	\$450,000	\$450,000	\$350,000	\$0	\$3,648.75	\$100,000	\$100,000.00	\$550,000	\$450,000.00	Yes	
	68E095	CPT6861.1.1.3	Construction Management	\$20,000	\$20,000	\$0	\$0	\$0.00	\$0	\$0.00	\$20,000	\$0.00	Yes	
	68CPT6861114	CPT6861.1.1.4	Other Direct Costs	\$10,000	\$10,000	\$55,811	\$0	\$0.00	\$0	\$0.00	\$10,000	\$55,810.99	Yes	
	68E096	CPT6861.1.1.6	QA/QC	\$10,000	\$10,000	\$0	\$0	\$0.00	\$0	\$0.00	\$10,000	\$0.00	Yes	
2 - Other Support Services				\$150,000	\$150,000	\$101,808	\$0	\$0.00	\$0	\$0.00	\$150,000	\$101,807.69		
	68CPT6861121	CPT6861.1.2.1	DPW 1	\$100,000	\$100,000	\$100,000	\$0	\$0.00	\$0	\$0.00	\$100,000	\$100,000.00	Yes	
	68E097	CPT6861.1.2.7	Transit Operations Support	\$20,000	\$20,000	\$0	\$0	\$0.00	\$0	\$0.00	\$20,000	\$0.00	Yes	
	68E098	CPT6861.1.2.8	Transit Maintenance Support	\$20,000	\$20,000	\$1,808	\$0	\$0.00	\$0	\$0.00	\$20,000	\$1,807.69	Yes	
	68E099	CPT6861.1.2.9	Public Outreach	\$10,000	\$10,000	\$0	\$0	\$0.00	\$0	\$0.00	\$10,000	\$0.00	Yes	
9 - Contingency				\$157,920	\$157,920	\$57,920	\$17,146	\$1,383.04	\$0	\$0.00	\$157,920	\$57,920.00		
2 - Detail Design				\$4,866,780	\$4,866,780	\$2,286,000	\$87,856	\$1,955,921.36	\$0	\$0.00	\$4,866,780	\$2,286,000.00		
3 - Construction				\$33,882,000	\$40,965,300	\$0	\$0	\$0.00	\$0	\$0.00	\$40,965,300	\$0.00		
[No Phase]				\$0	\$0	\$0	\$0	\$0.00	\$0	\$0.00	\$0	\$0.00		

# Centralized Contract Management

Welcome, Lucien Burgert

Contract Management Control Center

SFMTA

Workspace: (My Workspace)

SFMTA

- CPCD
  - CIP
    - Accessibility Program
    - COMM-T
      - CPT6302 - CN1260R Integrated Systems Replacem
      - CPT6306 - CN1268 C3 Blue Light Emergency Phone
    - Facility Program
      - CPT6641 - CN1265 C.Green Facility Roof Rehab
    - Fleet Program
    - OPT-EXP
    - Pedestrian Program
    - Safety Program
    - Security Program
      - CPT6391 - CN1267- Subway CCTV Surveillance Sys
        - Communication
        - Contract Information
        - Logs
        - Not Applicable
    - Transit Fixed Guidway Pro
      - CPT6681 - CN1264 - MMT Rail Rehabilitation
        - Communication
        - Contract Information
        - Logs
        - Not Applicable
      - CPT6811 - CN1249 - Green Center Rail Rplcmnt
        - Communication
        - Contract Information
        - Logs
        - Not Applicable
    - MASTERPJ - Master Project
    - CPT8888 - TEST FOR CMLINK
    - Templates

**Actions**

High	0
Normal	0
Low	0

**Alerts**

High	0
Normal	0
Low	0

Last System Refresh: April 12, 2013 1:00:04 AM PDT

**Inbox**

High	0
Normal	0
Low	0

**Request for Information (132)**

Status	Count
DEV	0
CLO	40
NEW	100
OPN	30

**Issues (Trends) (0)**

No Data Available

**Submittals (185)**

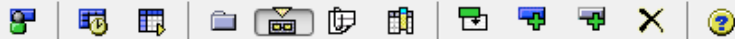
Status	Count
AAN	30
ANR	10
APP	40
CLO	50
DIS	20
NAR	10
NEW	80
RED	20
REV	10
UNS	10



# Electronic Timesheets

Primavera P6 Progress Reporter [lburgert]

File Action View Help



Timesheet Period: 12-Oct-2013 - 25-Oct-2013 Timesheet Status: Active

Activity Name	Project Name	Project ID	Activity ID ▾	Sat 12-Oct	Sun 13-Oct	Mon 14-Oct	Tue 15-Oct	Wed 16-Oct
CP1 - Project Management	Capital Program Controls System ...	CPT6871	6871-3111					
EA4 - Review 65% Deisgn Pack...	Mission Bay Loop	CPT6841	6841-1135					
LEGAL HOLIDAY	Indirect Activities	INDIRECT	684006--LH					
OVERHEAD 684006 - Proj Mgmt...	Overhead Activities	OVHD	684006					
CP - Project Controls	Green Center Rail Replacement (...)	CPT6811	6811-3112					

Dashboards ▾

Portfolios ▾

Projects ▾

Resources ▾

## Timesheet Approval

Approving as

All Timesheets for



	Resource Name ▲	Resource ID	Last Reviewer	Status	Total Hours	Submitted Date	Last Date Status Changed
	Brandenberg, John	I-JB-2	VYuen	Approved	80.0	26-Sep-13	30-Sep-13
	Bryant, Anthony	D-AB	FEng	Approved	80.0	26-Sep-13	30-Sep-13
	Burgert, Lucien M	S-LB	LChow	Approved	80.0	27-Sep-13	27-Sep-13
	Cayabyab, Edison	D-EC	lburgert	Approved	80.0	26-Sep-13	01-Oct-13

# Key Configurations

- Electronic timesheets driven by Primavera P6;
- Daily integration with Primavera P6 and FAMIS;
- Dashboards displaying project-level and activity-level information;
- Standardized and controlled budget revisions;
- Performance measurements enabled by cost/schedule integration;
- Fully-configurable on-screen reports;
- Electronic document mgmt and workflows;
- Centralized and collaborative construction management tool for daily reports, logs, submittals, RFIs, and issues.



# Next Steps

Goal	Status
Expand CPCS to include all capital projects across all CIP programs	In Progress; 170/400 active projects have been imported.
Establish funding hierarchies and allocations and roll-out new Budget/Funding Revision tool	Using approved CIP as source, project team is beginning to establish standardized funding hierarchies.
Incorporate Fund Programming functionality into EcoSys	Developing scope of work for consultant. Forecast start July 2014.
Integrate additional FAMIS and payroll data into system	Will be working with Controller's Office developer June 2014.
Establish data standards and develop public-facing dashboards	Working with Buildingeye under Mayor's Office EIR program. Proof of Concept by July 2014.
Develop Agency-wide SOPs and on-going training programs	Project Delivery Working Group has been established.