

TKW Audit Report Summary

2/3/2009

RECOMMENDATION	PORT RESPONSE	ACTION PLANNED	CONTACT PERSON	ESTIMATED COMPLETION	STATUS/REMARKS	
1. We recommend the Port of Seattle:Develop a historical database that will	The Port agrees that cost data, that is readily retrievable and specific to the need at hand, is always beneficial. This data would help in understanding					
support estimating and project management groups.	construction cost trends and serve as input to estimates for future projects.					
 Improve functionality of existing project reporting systems to support benchmarking of key performance indicators and detailed data analysis. 	Ia. The Port will analyze the requirements, feasibility, initial cost, ongoing cost and benefits of different levels of construction cost data collection and management. This wilt include looking at tracking costs in a CSI format.	requirements, feasibility, initial cost, ongoing	Maruska	10/31/07		
_	1b. The Port will review our Key Performance Indicators, to confirm that they are still valid and comprehensive. We will evaluate what it would take to make the reporting systems more capable and user friendly. The analysis will include costs, benefit and the expected life for a revised system.	■b. Review key performance indicators to validate; evaluate reporting system; analyze costs, benefits, and life of system.	Chamberlin	12/31/07		
2. We recommend the Port of Seattle:	The Port will evaluate our organizational structure to determine what adjustments					
 Define an organizational structure that fosters innovation, teamwork, supports accountability and defines roles, 	might be necessary to improve teamwork and better define roles and responsibilities. Project delivery at the Port of Seattle would benefit from a better understanding of roles and responsibilities.					
responsibilities, and	The Port agrees with					

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expectations recommendations 2b and 2c and will implement appropriate changes.				
organizational structure and 2a. The Port will review the communicate lines of authority Agency- organizational structure and	2a. ORGANIZATIONAL STRUCTURE. Review project org structure and conduct KT- situational appraisal to identify concerns.	PMEC	12/84/07	
wide: conduct a situational appliaisal to determine if we	changes, priorities, and plan next steps. 2a 1) SEA PMG currently reviewing roles	Chamberlin	12/31/07	
 Maintain up to date need to redefine our organization charts: structure. The situational appraisal will help the Port identify concerns regarding 	& responsibilities; authorities; org chart revise PM Guidelines/Manual.	CHAILDEAN TO THE STATE OF THE S		
our current structure, prioritize changes that are needed, and plan the next	2a.2) AV PMG with program sponsors.	Riley	12/31/07	
steps: Independent of the situational appraisal, initiatives are underway to	currently reviewing roles & responsibilities; authorities, org chart and revise PM Manual.			
improve teamwork and, better define roles and responsibilities. For				
example, Seaport Project Management, Environmental Services,				
and Construction Management have assembled a Project				
Delivery Team to better define roles and responsibilities. This group also will clarify lines of				
authority, create an organizational chart, and create/ revise our Project				
Management Guidelines. In Aviation, a comparable effort has been started				
among the PMG, Facilities & Infrastructure, Maintenance and				
Construction Management. Their initial focus will be on roles and responsibilities.				
2b. When the evaluation of the Port's project-delivery	2b. Evaluate Port's delivery system. Document organization; develop work flow diagram; communicate authority to business	Riley/Chamberlain	12/31/07	

RECOMMENDATION	will document the organization, develop a work-flow diagram and communicate lines of authority to the business units and project delivery team. 2c. The Port will update our organizational charts and review them when there is an organizational or system change.	units and project delivery team 26. Update org charts	CONTACT PERSON Scott	ESTIMATED COMPLETION 7/31/07	STATUS/ REMARKS Completed 1/16/09
3. We recommend the Port of Seattle update existing procedures and senior management ensure implementation and adherence.	The Port agrees that the Aviation Project Management Procedures Manual and Seaport Project Management Controls Guidelines should be updated.	3a. PROCEDURES. Review PMG Manuals and Procedures as well as review CA and CM Manuals and Procedures with project delivery team. 3b. Incorporate lessons learned.	Marsters/Curtis Marsters/Curtis	12/31/07 Ongoing	Completed 1/16/09. Completed 1/16/09.
4. We recommend the Port of Seattle focus upon consistency in content,	content, quality, and updating	3c. Ensure adherence.4a. NOTEBOOKS. Evaluate and update project notebooks.	Riley/Chamberllain Marsters &Curt S	Ongoing 12/31/07	Completed 1/16/09.
quality, and updating of project notebooks.	of project notebooks	4b. Establish thresholds for notebooks (policy). 4c. Procedure for submittal and review of notebooks for Status 3 and 4 with accountabilities for Project Managers.	Marsters &Curt S Marsters &Curt S	Ongoing Ongoing	Completed 1/16/09. Completed 1/16/09.
5. We recommend the Port of Seattle require consistent input of "lessons learned" into a controllized agency.	The Port concurs with the recommendation proposed by the auditor that there will be consistent input of "lessons learned" into a centralized	5a. LESSONS LEARNED. Implement a lessons learned system.5b. Review what other agencies use (BMP).	Gerry G	Ongoing [8/31/07	Completed; It was noted that when the Port transitions from Hummingbird to a new document management system, the lessons learned will require revising. 1/16/09. Completed 1/16/09.
centralized agency database.	database." The information contained in this documentation will then be	5c. Clarify purpose, scope, tasks, and resources.	Gerry G	9131/07	Completed 1/16/09.
documentation will then be integrated into the planning stages of future projects.	5d. Org resources for development of	Gerry G	12/31/07	Completed 1/16/09.	
		database, schedule, potential problems and opportunities.			

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		retrieval of info and process.				
6. We recommend the Port of Seaftle:	The Port has been and continues to be committed to					
	risk management in its Capital					
 Integrate best practice risk 	Program. We will strengthen the risk management activities	A STATE OF THE STA				
management activities into the	and make sure they are fully integrated with other project					
project cost/schedule						
delivery cycle, (2)				received and the second		
Develop procedures	6a. The Port will review the risk management fools that	6a. RISK MANAGEMENT. Review risk mgt	Riley	9/30/07		
that provide guidelines for project	are available and determine	tools, determine application, evaluate statistical risk models, and appropriate use				
isk assessment and	how well they are being applied in projects. We will			457		And the second s
application of tools.	evaluate statistical risk inodeling programs that are					
	appropriate for various size	The second secon				
	projects. The evaluation will look at which tools to use					
	and when to use them in the	A Supplied to the supplied to				
	project delivery cycle.					
	6b. The Port will develop a procedure to inform Project	6b. Develop procedures for each risk mgt too	i Curt S	9/30/07	Completed 1/21/09.	
	Managers about which risk	and incorporate into PMG Manuals and GM Manual				
	management tools are best applied to an individual	The second secon	2.1			
	project. This will include a way to identify where					
	CEVP, other statistical risk					
	analyses and/or Kepner- Tregoe Potential Problem					
	Analyses should be applied					
	The procedure will be added to the Seaport and					
	Aviation procedures manuals.					
	manuais.					
7. We recommend the	The Port is committed to					
Port of Seattle:	continuous improvement in all					

- Appoint an estimating subject matter expert.
- Develop written Estimating Standard

continuous improvement in all of its capital delivery processes, including estimating. We will consider all of the recommendations and adopt the ones that are feasible and have a good cost-

RE	COMMENDATION	PORT RESPONSE	ACTION PLANNED	CONTACT PERSON	ESTIMATED COMPLETION	STATUS/ REMARKS
	Operating Procedures (SOPs) that are	benefit return.				
•	Investigate past performance and incorporate lessons learned into new Standard Operating Procedures.	7a. The Port will re-evaluate the cost effectiveness of providing an in-house subject matter expert for cost estimating and data collection. The analysis will consider the factors listed above and the feasibility of hiring a Port employee to fill this function.	7a. ESTIMATING. Evaluate in-house versus consultant expert for cost estimating and data collection.	Maruska	9/30/07	Add attachments. 1/21/09
	Implement a standardized structure for estimates and deliverables that include direct construction costs. Integrate cost/schedule risk analysis practices into the estimating	7b. The Port will develop formal standard operating procedures for cost estimating and publish them in the Project Manager's Procedures Manuals. The Port will provide training for Project Managers and appropriate engineering staff on how to use the cost estimating procedures.	7b. Develop standard operating procedures; incorporate into PM and CM Manuals; and provide training to staff.	Riley/Stahlacker	9/30/07	
	process. Investigate launching an enterprise level estimating software. Develop the capability to produce trending	7c. The Port will use lessons learned to adjust the estimating procedures similar to the way the existing estimating templates have been adjusted over time.	7c. Adjust procedures based upon lessons learned.	Riley/Stahlacker	3/1/08	
_	reports for key performance indicators.	7d. The Port will evaluate alternatives for standardizing the way consultant estimators structure their estimates of direct costs. The selected format will be included in the estimating procedure and will include a standard template for direct construction costs.	7d. Evaluate and develop std templates for estimates.	Riley/Stahlacker	3/1/08	
		7e. The Port will look for ways to strengthen the connection between	7e. Strengthen interface of cost/schedule risk, cost estimating, and cost trending.	PMEC	3/1/08	Completed 1/21/09

RECOMMENDATION	cost/schedule risk analysis practices and cost estimating and cost trending procedures.	ACTION PLANNED	CONTACT PERSON	ESTIMATED COMPLETION	STATUS/ REMARKS
	7f. In conjunction with Accounting and Procurement Services, Information and Communications Technology, we will investigate a enterprise level software for cost estimating and cost trending.	7f. Investigate enterprise level software for cost estimating and cost trending.	Maruska/Riley/Curtis	3/1/08	Minor edits required. 1/21/09
	7g. We will identify and review the current performance indicators and provide definitions for each.	7g. Identify and review current performance indicators and provide definitions.	Dakota	9/30/07	Add attachment. 1/21/09
	7h. As no additional performance indicators were provided in the report, we will solicit and review performance indicators utilized within the aviation.	7h. Solicit, review, and evaluate performance indicators in AV industry.	Marsters	12/31/07	Add attachment. 1/21/09
	7i. Same as 7h for seaport industries and evaluate their appropriateness for the Port.	7i. Solicit, review, and evaluate performance indicators in SEA industry.	Curt S	12/31/07	Add attachment 1/21/09
	7j. We wilt examine the expansion of our existing trend reports to include other performance indicators that may be beneficial.	7j. Evaluate expansion of trend indicators.	Zahn	12/31/07	
8. We recommend the Port of Seattle: Develop the reporting capability to demonstrate whether the Port maintains a	The Port will review its practices for PSAs to see if there appears to be lack of interest in Port work. We also will analyze the costs and benefits of using unit pricing more extensively in its bidding				

competitive award environment for	PORT RESPONSE documents.	ACTION PLANNED	CONTACT PERSON	ESTIMATED COMPLETION	STATUS/:REMARKS
Professional Services Agreement (PSA's). • Ensure that Invitation for Bid (IFB's) have an appropriate level	8a: The Port will evaluate the costs and benefits of maintaining a database to track the responses to its RFPs for consulting services.	8a. BID TABS. Evaluate benefit of maintaining a RFQ database for consultants.	Porter :	8/31/07	Completed 1/21/09.
of pricing breakdown to allow comparison against Engineer's Estimates.	8b. As stated in the Action Steps for Recommendation #1a., the Port will analyze what it would take to collect and manage more unit price cost data.	8b. Analyze invitation for bid pricing breakdown versus engineer's estimate.	Powell	8/31/07	Minor edit required 1/21/09
9. We recommend the -Port of Seattle pursue a performance contracting	The Port concurs with the recommendation and will continue to work with the CPARB and legislators to	9a. PERFORMANCE CONTRACTING. Port rep to work with CPARB on contracting methodologies.	Maruska	Annually	
strategy for applicable					
projects.	provide performance contracting methods.	9b. Incorporate contracting methodologies selection and processes into PM and CA manuals.	Powell	12131/07	Completed 1/21109.
projects. 10. We recommend the Port of Seattle investigate further opportunities to have a single enterprise level application which meets all of the Port's reporting needs.		selection and processes into PM and CA	Powell Krista/ Alberts	12131/07	Completed 1/21/09. Completed 1/21/09.
10. We recommend the Port of Seattle investigate further opportunities to have a single enterprise level application which meets all of the Port's	The Port will analyze the options for improving project	selection and processes into PM and CA manuals. 10. NEW DATA SYSTEM. Investigate opportunities to have a single enterprise level.	Krista/ Alberts		