Advanced Design Project Management



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1 - AIA Continuing Education Credit



AIA Continuing Education

Credit(s) earned on completion of this course will be reported to American Institute of Architects (AIA) Continuing Education Session (CES) for AIA members.

Certificates of Completion for both AIA members and non-AIA members are available upon request. This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.



Course Description

Design Project Management

This class will focus on basic effective fundamental procedures for managing the project design process.

Topics include how to understand and administer the design process, how to interview, select and hire a design consultant, how to get the best from your architect/engineer, how to work and communicate with your campus client, effective communication strategies, what to look for in design reviews, and the importance of program and budget conformance.

Review successful processes for value engineering, effective team management, communication, and basic project manager skills.

AIA Continuing Education Provider

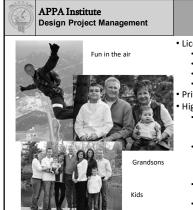
Learning Objectives

- 1. Lean the basic fundamental procedures for managing project designs.
- 2. Learn how to understand and administer the design
- 3. Learn how to get the best architect/engineer.
- 4. Learn how to interview, select and hire a design consultant.



This concludes The American Institute of Architects Continuing Education Systems Course





- Licensed Architect
 - Colorado
 - Georgia

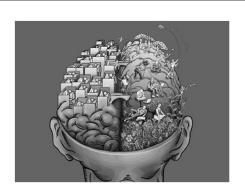
 - North Carolina • Louisiana
- Private Practice 15 years
- Higher Education 27+ Years
 - Duke University 6 Years
 - Director Facilities Design Office
 Assistant Dean Facilities
 - University of Colorado -13 Years
 - Director PDC
 Campus Architect
 AVC FM
- Emory University 5- 1/2 Years AVP PDC
- University of Colorado -3 Years



Resources Available

- Design Guidelines
- Construction Standards
- Project Checklist
- Project Management Service Levels
- Consultant Information Packet
- Quest for Quality Guidelines
- A/E Quality Assurance Program
- A/E Fee Guidelines
- A/E Agreement
- Review Reminders
- A/E Performance Evaluations

http://www.colorado.edu/facilitiesmanagement/appa/



Revenge of the Right Brain!

What are your Goals? My Goals:

Understand the Design Process Manage the Design Process

DESIGN PROJECT MANAGEMENT

Project

- Traditional Project
- Design / Bid / Build
- Major Project

<u>Seminar</u>

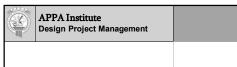
- Programming Complete
- · Project Approved
- Project Funded
- · Process Ends @ Bidding



Seminar Assumptions

Architectural Education





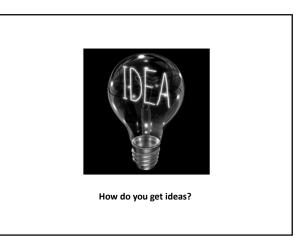
Overview

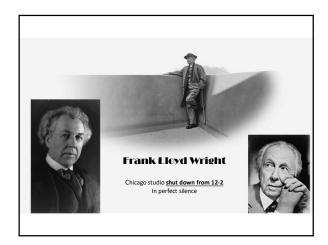
Design Process
Project Team
Design Process Tools
Managing the Process



Deferred Maintenance or Capital Renewal?

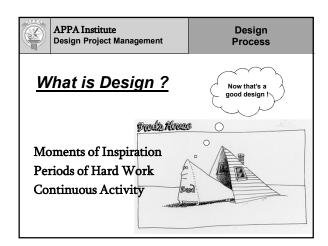
APPA Institute Design Project Management	Design Process
Part 1-Design Process	- Connaga
Design ProcessProject SchedulesProject DeliverablesDesigning For Value	"Inconvenience Store"

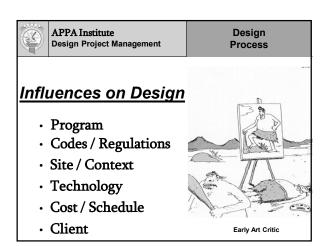


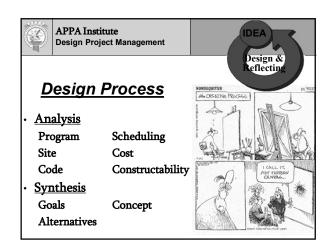


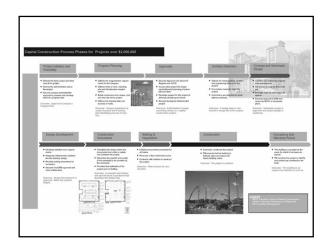


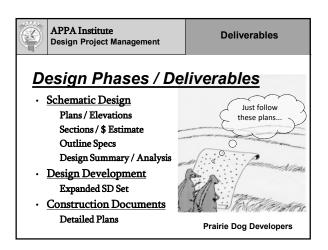


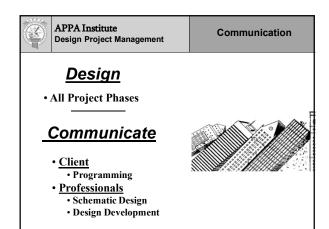














<u>Design</u>

• All Project Phases

Communicate

- Client
 - Programming
- · Professionals
 - Schematic Design
 - Design Development
- Contractor
 - Contract Documents
 - Construction





APPA Institute
Design Project Management

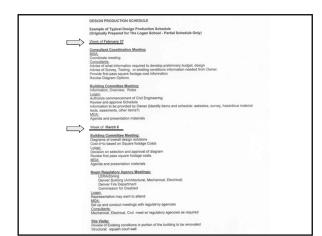
Schedules

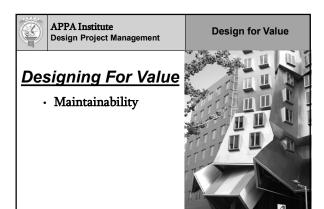
Project Schedules

- · A/E Selection
- Contract Negotiations
- · Schematic Design
- · Design Development
- · Construction Documents
- · Bidding / Contract Award
- · Construction
- · Close Out
- · Warranty Period

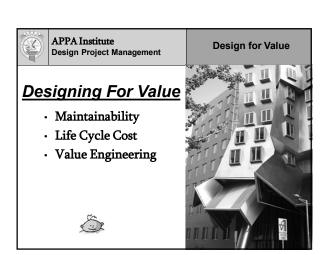


At this rate...you'll never finish on tim











I call it "Value Shifting"



APPA Institute
Design Project Management

Design for Value

Value Management Approach

- <u>Tier 1</u>
 - Gypsum Board
 - Lighting Package
 - Direct Purchase
- · Tier 2
 - Relocate Plumbing
- <u>Tier 3</u>
 - Scope Reductions



"Tell you what skeeter; It's about quittin' time and family feud is almost on. Just ram that thing right through it. It's 10 foot underground, ain't nobody ever going to see it.' " Utility Contractor, circa 1976



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Design Project Management

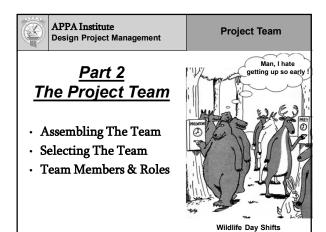
Design for Value

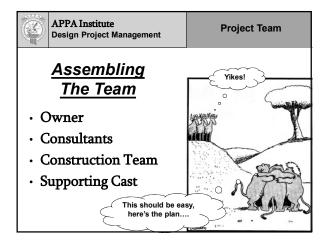
Designing For Value

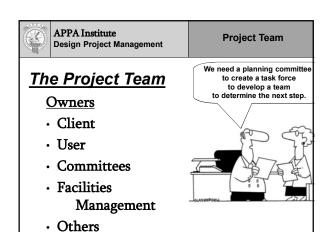
- · Maintainability
- · Life Cycle Cost
- · Value Engineering
- · Present Value

Ned Beally, of Beally Construction
Co., helps his children with a
Lego Mindstorms' robotics project.

Oh big surprise.
Another announcement of cost overruns and

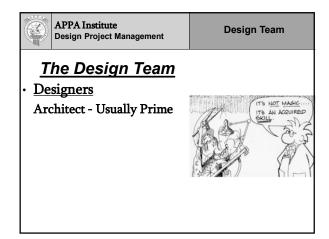






APPA Institute Design Project Management	Project Team
Owners • Experienced Educated / Involved Educated / Uninvolved • Inexperienced Uneducated / Involved Uneducated / Uninvolved	Educated Peyloviii UI UU Uneducated

APPA Institute Design Project Management	Consultants
What is a Consultant? • Professional Advice Knowledge / Expertise Leadership (transformational) • Doing the Right Thing • Inspiring Management (transactional) • Doing Things Right • Day to Day Activities	Readership Management





Design Team

The Design Team

TEN Deadly Sins

- 1. Team Changes
- 2. Multiple Contacts
- 3. Schedule Delays
- 4. Over Design
- 5. Negative Approach
- 6. Low Quality Product
- 7. Slow Response
- 8. Slow Review
- 9. Weak Leadership
- 10. Close Out





APPA Institute Design Project Management

Design Team

What You Should Do

- Have a Clear Decision Making Process
- Develop a Complete Program
- Establish an Adequate Budget
- Establish a Realistic Schedu Communicate Effectively
- · Hire a Compatible Firm
- Guard Against Scope
- Creep • Deliver Bad News
- Promptly Expect to Pay







APPA Institute Design Project Management

Design Team

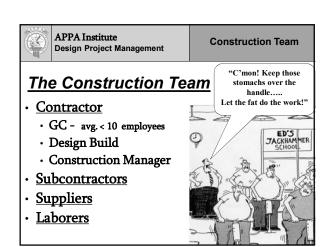
What You Should Not Do

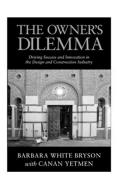
- Do Not Rely on Clairvoyance
- Do Not Make Impossible **Promises**
- Do Not Accept Sloppy Work
- Do Not Expect Perfection
- Do Not Expect Added **Scope for Free**

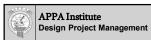


APPA Institute Design Project Management	
Architect Expects	Architect May Get
Clear Direction	Ambiguity
• Instantaneous Decisions	Extensive Collaboration
Tightly Defined Scope	Scope Creep
Comfortable Budgets	 Inadequate Budgets
Fair Treatment	 Unreasonable Contracts
• Profitable Fees	 Gift Opportunities
 Quality Design Expectations 	 Low Design Expectations
You Expect	You May Get
• Exceptional Service	Nonchalance
Adherence to Budgets	Budget Busters
• Meeting Schedule Milestones	• Delays
• Comprehensive Services	• Requests for Additional Fee
• Complete Drawings	 Errors & Omissions
Cost Effective Design	Extravagance

APPA Institute Design Project Management	Design Team
The Design Team	Now that's a pocket protector
• <u>Designers</u>	- ALM
· Architect - Usually Prime	13/1
 Engineers 	907
25% to 65% of Cost	
• Others	
Planner	
Commissioning Agent	
Landscape Architect	
Interior Designer	Blazek







Project Team

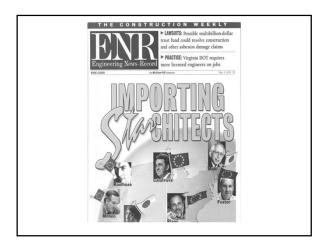
The Project Team

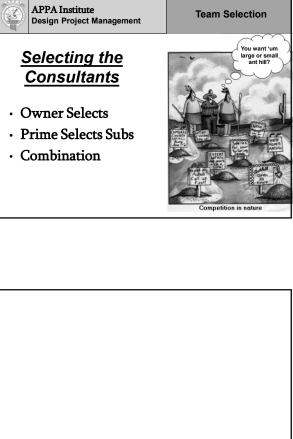
• Supporting Cast
Finance Accounting
Insurance / Risk Mgt.
Regulators
Legal
Others

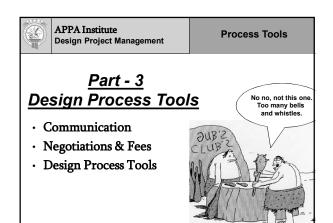


	Design Project Management	Team Selection
• <u>Ap</u>	proaches to Selection	Selecting the Design Team
Dir	ect	TO THEN I DIE
	Resources	Elick) AND THEN IA NIDID (click) AND T
	Experience	AND THEN I DID (click)
	Ability	DID (click) AND THEN I HEN I DID (click) AN
	Compatibility	lick) AND THEN
	Cost	7725
	Ideas	325
Co	omparative – Brooks Act	C. C

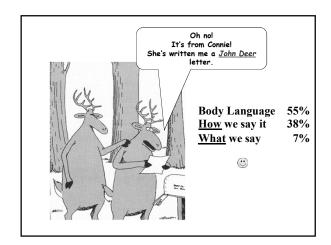
Competitions







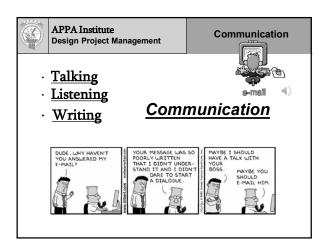
APPA Institute Design Project Management	Communication
<u>Communication</u>	Effective communication
• <u>Talking</u>	= 80%+ of project problems
• <u>Listenin</u> g	\$ a 2.5 \$ c 2.5 \$ c 2.5



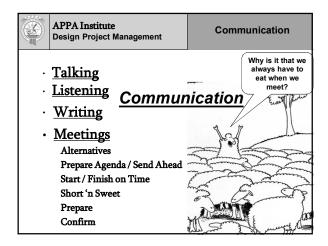


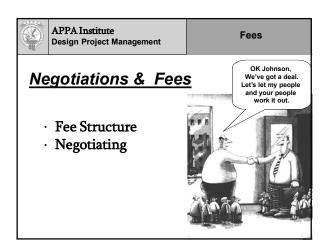
People Only <u>Hear</u> <u>Every 3rd</u> Word

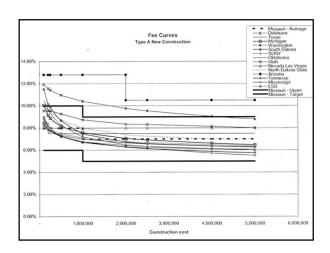
People Only <u>Retain</u> <u>Every 5th</u> Word...

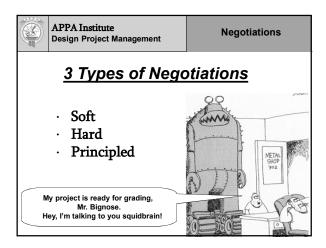












	Soft Negotiation	Hard Negotiation	Principled
The Goal	Reaching and Agreement	Winning .	Mutuality: A Wise Outcome
Participants	Friends	Adversaries	Problem Solvers
About the Relationships	Make concessions to cultivate the relationship	Demand concessions as a condition of it	Separate people from the problem
Trust of Others	You do	You do not	Proceed independent of trust
Your position	You change readily	You dig in and hold	Focus on interests, not on positions; explore interests
Your bottom line	You disclose	You hide and mislead about	Avoid having a bottom line
To reach agreement	You accept one- sided losses	You demand one- sided gains	Invent options for mutual gain
You insist on	Agreement	Your position	Insist on using objective criteria; yield only to principle
Contest of Wills	You try to avoid	You try to win	
Pressure	You yield to	You apply	77 11/2-1-1
The Architect's Fear	I'll probably lose	I'll endanger the relationship	





Tool Kit

· Consultant Instructions





Consultant's Information Packet

Table of Contents

Cover Letter
Communicating
Project Contact List
Capital Construction Process
Reviews of Architectural Plans and Specifications
Academic Calendars
Other Materials
Campus Master Plan
Campus Parking Map
Campus Visitor Map
Body & Soul: Architectural Style at the University of Colorado at Boulder

Cover Letter:
The Consultant's Information Packet is available to help designers understand the process and procedures of the University of Colorado at Boulder.

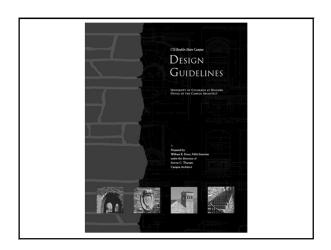
Please review this material before the kick-off meeting so that we may answer any questions you may have. Be sure as you start this project, that you have a complete and current copy of the UCB (University of Colorado at Boulder) Standards. These have been put together to assist you, shaing with you our experience and needs. These standards are frequently updated and it is important that you use the most up-to-date version in preparing plans and specifications. Also, let us share a couple of key thoughts about your project team and project management on campus:

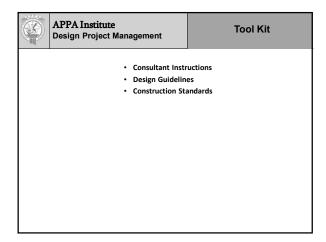


APPA Institute Design Project Management

Tool Kit

- Consultant Instructions
- Design Guidelines







		APPA Institute	Tool Kit		
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		Consultant Instr			
		Design GuidelinConstruction State			
		Planning Temple	ate		
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		CU Budget Plann	ing Tool		
		http://www.colorado.edu/facilit	iesmanagement/appa/		
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(APPA Institute Design Project Management	Tool Kit		
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		Consultant Instr Design Guidelin			
		Construction Sta			

Planning Template Service Levels

Facilities Management

University of Colorado at Boulder

Planning, Design & Construction
Project Management Service Options

1. Minimum service level:

- In this service option, the client can provide the project management and coordination services for their project with the following minimum involvement from Facilities Management:

 Constructs & procurement,
 Construction permitting,
 Inspections,
 Change order processing (the client can negotiate change order costs),
 Emvironmental site assessment and abatement requirements through EH&S,
 Projects must adhere to the UCB construction standards with deviations specifically approved by the Executive Director of FM and FM must have the ability to verify compliance,
- Utility outages,
 Code compliance including project reviews by code officials (Authorities Having Jurisdiction).

2. Intermediate service level:

In this service option, FM must provide the minimum levels of services as outlined in service option 1 and the client can negotiate with FM for the level of services for the following:

Project budgeting and estimating,



APPA Institute Design Project Management

Tool Kit

- · Consultant Instructions
- Design Guidelines
- Construction Standards
- · Planning Template
- Service Levels
- Outage Notices

SCHEDULED WORK ACTIVITY AND SIDEWALK /VEHICULAR OUTAGE AT West Pleasant Street

Linda Fry -Hale Sciences Proctor

From: Gil Fike, Project Manager

Building: Hale, McKenna, and Old Main Buildings

Start Date: Wednesday, August 14, and Thursday August 15, 2002

<u>Duration</u>: Full Time Pedestrian Walkway and Vehicular Traffic Interruptions 8/14/02 to 8/16/02

Reason:
Contractor will excavate and install the new water line in the lawn area west of Hale Science Building.
The traffic lane will be reduced to onelane and could experience minor delays during work activities and equipment crossings.

Barricades and routing signs will be in place. The parking spaces west of the Hale will be out of service. The service drive to Hale will be kept open and in service.

See the attached work activity sketch work area description. Machinery noise may occur during the work activity.

Contact: Gil Fike at 2-1431 for any questions.

<u>Customer Impact:</u> This project will change the flow of pedestrian traffic For the period specified.

Attached Map

Tool Kit

- · Consultant Instructions
- Design Guidelines
- Construction Standards
- · Planning Template
- Service Levels
- Outage Notices
- Design Reviews

APPA Institute Design Project Manager	nent	To	ool Kit
<u>Design Revie</u> v	<u>vs</u>	Schema	atic Design
A .1		"Or	ifice Building"
Aesthetics			
Systems Concepts	100	The state of the s	
Maintainability	計計	FICS.	
Value Engineering			That is one butt dugly building!
Budget		*	
Schedule			
Approvals			

Review Reminders for the Client

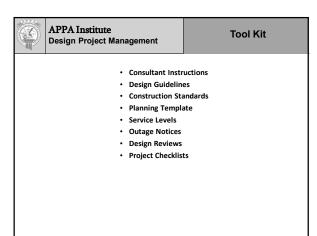
Program Plan Review:

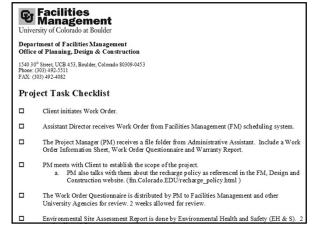
- 1. Are client needs identified and met?
- 2. Is this affordable?
- 3. Will the schedule allow the facility to be delivered on a timely basis?
- ${\bf 4.} \ \ {\bf H} \ ave \ others \ in \ the \ department (s) \ or \ college \ reviewed \ this \ as \ needed?$
- $5. \ \ Is the plan convincing for reviewers (up through CCHE)?$

Schematic Design Review:

- 1. Does the layout work?
- 2. Are aesthetics OK
- 3. Is it in budget?
- 4. Are systems (e.g., heating / cooling) meeting user needs?
- $5. \ \ Have others in the department (s) or college reviewed this as needed?$

APPA Institute Design Project Management	Plan Reviews
Plan Review Coordinator Partimeretizee Email request for plan review Log the request Establish due date Check for required information Reviewers log-in each morning to check for new notices Plan review room w/30" HD monitor (all electronic) PRC checks deadlines Emails comments to PM's	Current Process TEST YOUR STUPIOITY
· 3-5 day turnaround	



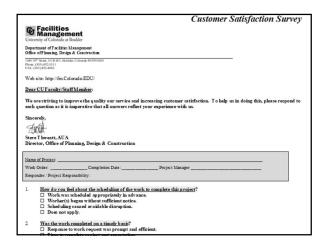


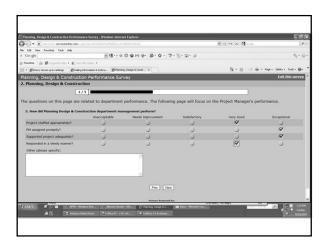
	APPA Institute Design Project Management	Tool Kit
	Consultant Instr Design Guidelin Construction Sta Planning Templa Service Levels Outage Notices Design Reviews Project Checklis Feedback & Eva	es andards ate
Universit Departm Office of		TION FORM
CONTRA	ACTOR:	
CONTAC	CT PERSON: PH	ONE #:
that the	of our ongoing commitment to provide better se services we purchase are of the best quality p nd professional manner.	rvice to our customers, we need to insu ossible and that they are performed in

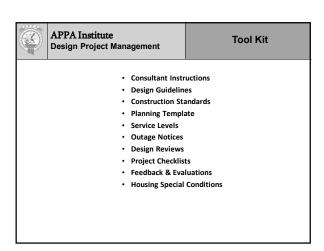
Facilities Management University of Colorado at Boulder
Department of Facilities Management Office of Planning, Design & Construction
1540 30th Street, UCB 453, Boulder, Colorado 80309-0453 Phone: (303) 492-5531 FAX: (303) 492-04082
[PROJECT HILE] Architect / Engineer Evaluation
FIRM'S NAME:
INSTRUCTIONS:
The performance of each A/E under contract to the University of Colorado at Boulder evaluated following the completion of the project.
 The Office of Facilities Design and Construction (FD&C) shall prepare all evaluat the attached Architect/Engineer Evaluation Forms. The A/E firm will be formally ev by the project team, including representatives from FD&C, Facilities Planning, F. Engineering & Utilities, Physical Plant Division, Facility User(s), and others appropriate at the completion of each main project phase (preconstruction const.)

Please <u>describe your experiences with the contractor</u> named on this form (both positive and negative). The contractor may be given the opportunity to respond.

Describe fully the experience (including dates and any documentation you might have):









University of Colorado at Boulder Department of Housing

Special Contract Conditions for Construction Projects in Occupied Students Housing

Purpose

These Special Contract Conditions are required because this project involves construction within or adjacent to student residences. As such, the Contractor, all workers, subcontractors, deliverymen and anyone else coming on to the work site must be informed of the requirements to respect the students' privacy and right to the quiet enjoyment of their residence halls or apartments. The work must be completed in a manner that maintains the secunity of the residence halls or apartments, limits contact with the students, provides advance notice of any work that may adversely affect the residents, and limits communications about the project to those persons designated by the University.

General Rules
1. Contractor is required to comply with the University of Colorado's Sexual Harassment Policy, copy attached hereto and incorporated herein. Contractor's personnel must adhere to the University of Colorado policy and conduct themselves in a manner that does not constitute sexual harassment (as defined in the policy) as a result of interacting with and around the University of Colorado faculty, staff and students.

Contractor is also required to inform each subcontractor of the University's policy prohibiting sexual harassment.

No smoking in any residence hall or apartment building spaces. This includes living and dining spa restrooms, circulation areas, attics, mechanical rooms, basements and/or crawf spaces. Any smoking i be done outside the building and far enough away that smoke cannot enter windows or ventilation system.



APPA Institute **Design Project Management**

Tool Kit

- · Consultant Instructions
- Design Guidelines
- Construction Standards
- · Planning Template
- Service Levels
- Outage Notices
- · Design Reviews
- Project Checklists
- Feedback & Evaluations
- · Housing Special Conditions
- Double Time / Fast Track





June 7, 2006

TO: FM Project Managers

FROM: Bill Ward, Assistant Director; Facilities Management Design & Construction Moe Tabrizi, Assistant Director, Facilities Management Engineering

SUBJECT: Double-time or Fast Track Projects

Introduction: Facilities Management leadership continues to receive campus client/customer feedback regarding time interval (length of time) to complete remodeling or new construction projects on campus. It is generally accepted that some delays are related to incomplete journation for required reviews and budget availability. However, due to the zerial nature of our planning, design and construction process, adding all appropriate test positions tu mexpected delays would still amount to a long lead time. Many projects are not very time sensitive. However, there are a small number of projects that are very time sensitive. AND there is only a small window of time that they can be implemented on campus without resulting great impact on the campus teaching and learning mission.

Proposed Solution: For a very small percent of the given client's projects and based on prior agreement with PD&C leadership, all known and published project planning, design project reviews and implementation intervals would be shortened by a goal of 50% equally for all functions. Of course, this solution requires better than normal, more complete input from the client and more complete paperwork as input to the double-



Tool Kit

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- · Planning Template
- Service Levels
- Outage Notices
- Design Reviews
- Project Checklists Feedback & Evaluations
- Housing Special Conditions • Double Time / Fast Track
- · Close Out Checklist



Office of Design and Construction 1540 30° Street, UCB 453, Boulder, Colorado 80309-0453 Phone: (303) 492-5511 FAX: (303) 492-7186

CM-GC PROJECT COMPLETION CHECKLIST

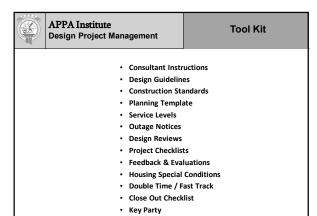
The following is a guide to assist in the final closeout of a CM/GC project. The information is based on the Construction Manager and Architect/Engineer Agreements. Failure to include any items in this document does not alter the responsibility of the Construction Manager and Architect/Engineer to adhere to their Agreement they have with the University.

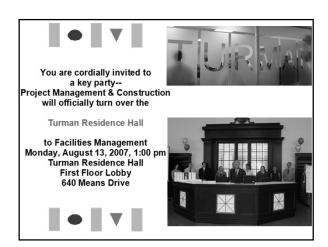
- NOTICE OF COMPLETION
 Articles 16.1.1 (CM) & 1.8.28 (AE)
 1. The Construction Manager shall file a written notice to the Architect/Engineer that the Work, in the opinion of the Construction Manager, is complete under the terms of the Contract.
 2. The Construction Manager shall attach a list of items to be completed or corrected with this letter.
- letter.
 3. The Architect/Engineer shall notify the Project Manager.

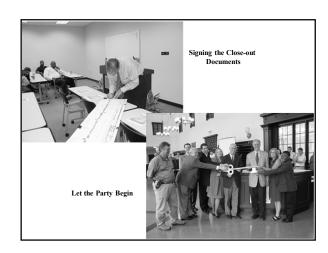
PUNCH LIST WALK
Articles 16.1.2 (CM) & 1.8.29 (AE)

1. Within ten (10) days after receipt of the above mentioned letter the Architect/Engineer, the

									EMORY UNIVERSITY - CAMPUS SERVICES - BUILDING ACCEPTANCE - OCCUPANCY APP	PROVAL CI	ECKL	ST								
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г	۰	TEA	M PO	VOLVE	EMEN	er	+	Н	ACTIVITY	NOTIC			DATE OF EVENT	Project Start	180 DAYS:	100 DAYS	120 DAYS	90 DAYS	60 DAYS	30 DAYS
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_	-		=	$^{-}$	-81	-		-	Review location and required utility connections	"	_				_					_
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$^{+}$	п	П	T	-1	т	т	ш	П	PDC Project Manager, OCIP Safety Coordinator and Elevator Coordinator for Emory Use and Operation	1 FM	$^{+}$									
-	-	_	\rightarrow	-	_	-	-	_	Chiller inspection by PDC Project Managers and FM		_	_	-	-	-	-			-	-
- 1				- 1	- 1		- 88		Engineers and Mechanics for construction operation											
	П				T	T	П		Chiller inspection by PDC Project Managers and FM Engineers and Mechanics for Emory use and operat	ion										
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Ţ	Ш			\perp	1	I	1		Endorsement of Emory-Surety for beneficial occupar (# applicable)	wy-										
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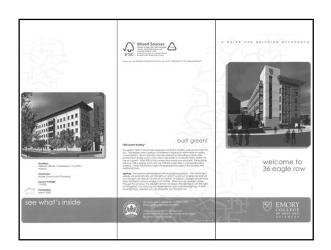
Lessons Learned - Math and Science Center January 9, 2003

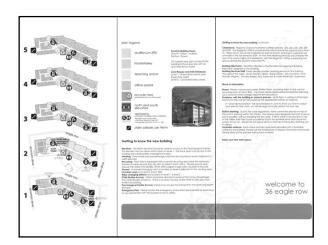
- 1. More user group education needed- at the end of the building process, I knew the things I needed to know at the start of the process! Here are the types of user education/support that would have been useful during the building process:
 - A. General introduction to the stages of the building process (programming, schematic design, design development, construction, etc). The introduction should include: role of user group at each stage (including the importance of user's comments on plans); level of detail of the plans that emerges at each stage; processes and procedures for making changes to the plans; and the role of LEED in the design process.
 - B. Although trips to other institutions may be useful, we should institute an on-campus training program for new user groups. We have some great new facilities on campus and we should use them effectively. For example, a tour of the Mathematics and Science Center (M&SC) could illustrate:

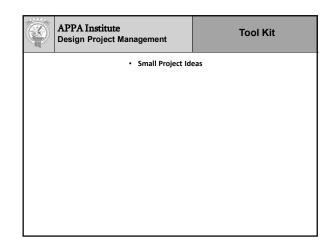
 a. General departmental layout



· Move in Brochure







University of Colorado @Boulder Facilities Planning, Design &Construction Small Projects Ideas

In an effort to improve the overall delivery of small projects to our campus customers, the PD&C division is proposing a partnership with the College of Engineering and Applied Sciences to initiate a pilot program for small projects (under \$500K).

- We (Facman) should re-route small project requests from the Service Desk or web-based system to a "PM assistant". (This refers more to a finetion than a position. Since we are under severe budgetany constraints, we want to find ways to help the project managers be efficient and cost effective.) The PM assistant can make a quick assessment of the scope a expedite the assignment of the project to the appropriate project manager. PDsc Should 5 the work order requests first rather than the service desk trying to guess what the scope m be. (Sometimes work orders are misdirected to the wrong shop due to the poor description work that is submitted, resulting in a delayed start.)
- PD&C will initiate a "one-stop shopping" model for project requests to streamline the
 normal process. The designated projects liaison for Engineering (Skp Wichart) should
 have one individual to deal with when initiating a project. If Skp initiates all
 Engineering projects and has one contact to work with in PD&C, then the initiation of a
 project can be much simpler and quicker.
- 3. Initiate a project monitoring system for projects that measures:

 - Response time,
 Schedule Performance, and
 Quality.



APPA Institute Design Project Management

Tool Kit

- Small Project Ideas
- Warranty Period

"At the completion of a project, we structure our 1 year warranty period to include the Facilities management team having direct contact with the GC's superintendent to address any issues that arise.

This removes having the project manager as a middle person, and the correction of problems occur in a more timely manner."

Tom Clow University of New England



APPA Institute Design Project Management

Tool Kit

- Small Project Ideas
- Warranty Period
- Hurt Feelings Report

			NGS REPORT						
		this form to file a			ngs				
		A REQUIRED BY TH		T OF 1974					
AUTHORITY:	UTHORITY: 5 USC 301, Department Regulations; 10 USC 3013								
PRINCIPAL PURPOSE: To assist whiners in documenting hurt feelings and to provide leaders with a list of people who require counseling and sympathy.									
ROUTINE USES: For subordinate leader development IAW FM 22-102. Leaders & whiners should use this form as									
DISCLOSURE:	Disclosure is volun	stary, but repeated d	lisc los er may r	esult in a Wal	I to Wa	II Couns eling			
		PART I - ADMIN	ISTRATIVE DA	TA					
A. WHINER'S NAME (Last First MI)	8. Position	C. SOCIAL SECURITY NUMBER D. DATE OF REPORT						
E. ORGANIZATION			F. NAME & TITLE OF THE PERSON FILLING OUT THIS FORM						
		PART II - INCII		_					
A. DATE FEELINGS WE	REHURT	B. TIME OF HURT	F H URTF ULNESS C. LOX			OCATION OF HURTFUL INCIDENT			
D. WITNESSES OF HU	E. NAME OF REAL MAN/WOMAN WHO HURT YOUR SENSITIVE FEELINGS								
F. POSITION			G. ORGANI	ZATION (if di	Forent fr	om feabove)			
		E. INJURY (Mar							
	RE THE WORDS OF H			1			NG DAMAGE?		
	eft Right Both	URT FULNESS SPOK	CEN INTO?			MAYBE	NG DAMAGE?		
3. DID YOU REQUIRE		5?	4. HAS THE	RESULTED	IN A T	RAU MATIC BI	RAIN INJURY?		
	ES NO MULTIPLE		YES		MAY				
- N	F. REASO	N FOR FILING THIS	REPORT (Max	k all that app	dy)				
I am thin skinne	d	My Boss needs t	to fix my prol	lems		Two beers i	s not enough		
I am a wimp		My feelings are	easily hurt			My hands s pockets	hould be in my		
I have woman/ man-like hormo	nes	I didn't sign up	forthis			I was not of brief	ffered a post		
I am a crybaby		I was told I am I			Г	Someone re	equested a		
I want my momn		The weather is t					have and more		

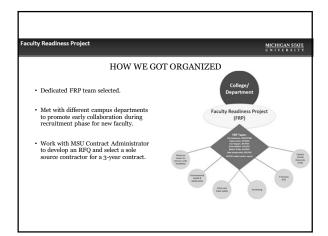
APPA Institute Design Project Management • Small Pro

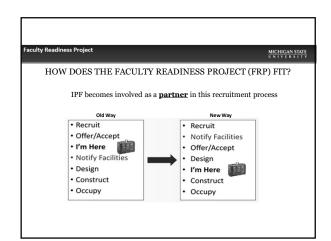
Tool Kit

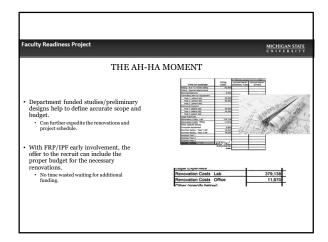
- Small Project Ideas
- Warranty Period
- Hurt Feelings Report
- MSU Faculty Readiness Program

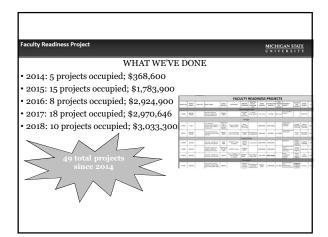


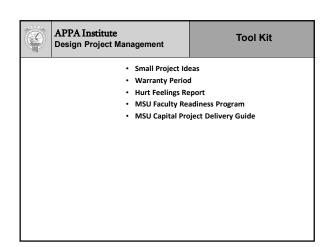
ALIGNING EFFORTS AT MICHIGAN STATE • In response to Bolder by Design imperatives of introducing research opportunities and advancing our culture of high performance: • Improve time frame of project completion for incoming faculty. • Align project expectations with appropriate delivery method.



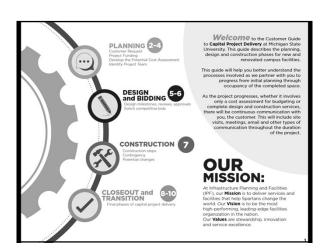




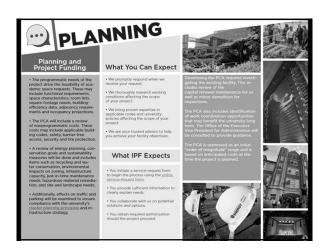


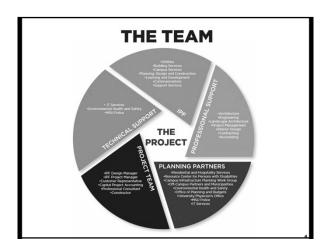


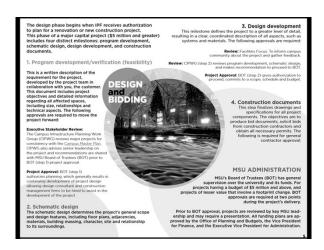


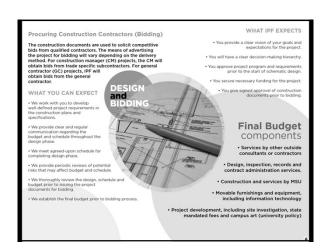




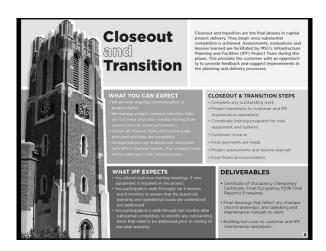




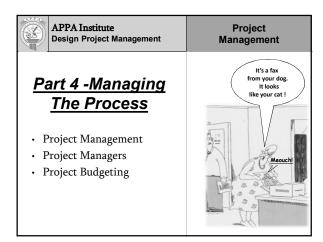


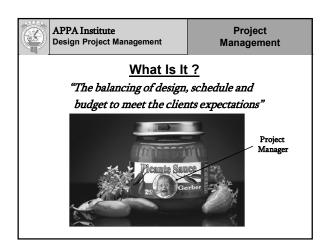


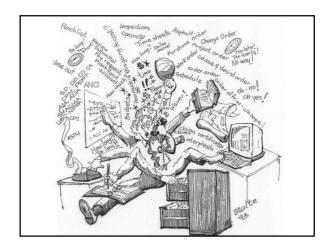


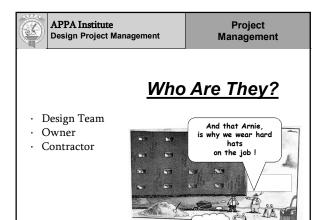


Project Planning Payments In Project Planning Partner is a resource for communic	s List ating		
with various individuals on and off campus involve in a capital project.			
	vs projects involving udio/visual, and infrastructure which rl-Fl.	-	
parking, roads, traffic of	ws projects affecting fire/life safety, design and building security systems.		
Campus Infrastructure Planning Work Group (CIPWG) In compliance with the Campus Master Plan reviews projects Mickigan and Ingham Mick	rtners may provide input and review erosion and sedmentation, including 0, the city of Lansing, the state of ounty.		
that modify the campus landscape character, affect campus infrastructure or require a zoning variance prior to Board of Trustee actions. Residential and Hospi Various departments in including the planning	tallty Services (RHS) RHS may provide input and review, and projects office, the space w committee, information services and		
Reviews projects involving hazardous-materials compliance, laboratory equipment, ventilation systems, and environmental waste management. Resource Center for P Reviews projects affec	ersons with Disabilities (RCPD) ting accessibility to maximize the ability I participation by persons with	_	
Various departments at IPF may provide input and review, disabilities, including building performance services, capital project accounting, custodial, landscape services, maintenance services, power and water, project services, safety, surplus. Reviews projects involved to the project services and project surplus.			
and recycling, support services, transportation services, and communications.	9		







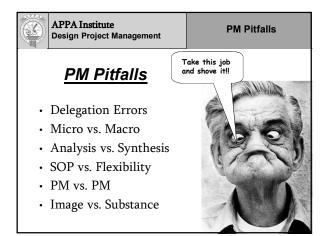




- Organized
- Broad Based
- Good Communicator (listener)
- Proactive
- Leads by Example
- Consistent
- Follows Through
- Holds People Accountable Delegates Well
- Patient & Wise



(-1-25 Mar-1)	A Institute gn Project Management	PM Pitfalls
<u> </u>		Take this job and shove it!!
	egation Errors	
	o One Can do Better	
• 10	Can Do It Faster	
• 11	Have to Fix it Anyway	
• It	Takes too Long to Explain	
• I'l	l be Disappointed	and the same of th
• l'ı	n Not in Control	A BLACK
• It	Won't be Perfect	



Failure is not a way of life, it's a moment in time



Get over it

APPA Institute Design Project Management	PM Tips
PM Tips	
From the mouth of babe's	
	3

- Faul,

 First, thank you for this nice email. I don't know that I have done anything special here, I have just tried to follow basic project management principals. Here are a few examples:

 **Clear.constant.communication—this has involved face to face communication and phone calls rather than just emails. I also did send the Client emails summarizing the project progress made every few days. He would then florward these onto his superior

 *Follow Through.** Thy to say what I will do and do what I say. If I promise something to the Client, I try hard to follow up on my promise.

 Leaf by example. When challenged by the Client to have a Change Order free Tower portion of the project, I asked the consultant to meet me in the space with his 100% documents. We discovered that there was a lot lacking in his darwings. Taking 100% drawings out to the field and reviewing them in the space to be renovated was something that I used to do when I was working as an architect on Campus.

 Positive Attitude. Although the Client can be challenging, I have enjoyed working with him and II try to be positive about my work on this project.

 Politikilike I its. I am not afraid to give my opinion to the Client. When I think he is making an error, I tell him. He decided to heave some to the VAT flooring after than abate I and I told him thought that was a mistake. We are going to have to have some tough discussions in the Tower portion of the project. From a building everlope view point, this space is a 60's mess. We shouldn't spend 5500K on the Conference Center if people are going to be too hot, or too cold in the space.

 Although this project is far from over, hopefully we are off on the right foot with the Client. Hope

Although this project is far from over, hopefully we are off on the right foot with the Client. I hope this is what you were looking for.



APPA Institute Design Project Management

PM Tips

Managing Client Relations

Leadership

${\it Management}$

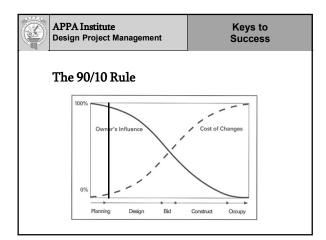
- Know your client personally
- Understand your client
- Be a partner
- Foster Trust
- Demonstrate credibility
- Anticipate don't react
- 1. Keep your files organized
- 2. Respond to requests promptly
- 3. Meet your commitments
- 4. Issue regular progress reports
- Be persistent when you need

Most important - No Surprises!



• The 90/10 Rule





APPA Institute Design Project Management

Keys to Success

- PMP (Understand Project and Desired Outcomes)
 Vision/Goals/Objectives / Critical Factors for Success
 Communication Plan

 - ScopeSchedule
 - Financial Plan

 - Quality Control Process
 Change Management Process
 Involve Key Stakeholders
 - Identify Constraints
- · Assemble Team / Empower the Team
- · Resolve Conflicts
- · Encourage Risk Taking

