



Communicate Your Way to Desired Outcomes. 13 July 2016

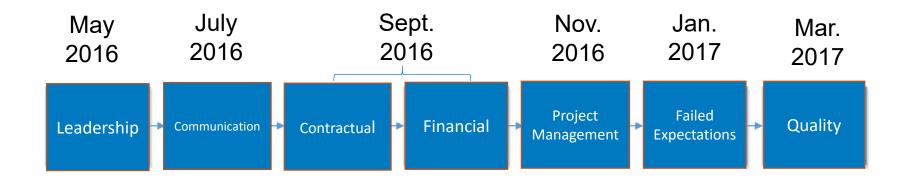


Collective Risks We Face

Leadership			Communication		
Change within Project Time	frame	Lack of Transparency			
Lack of Engagement		Not Open, Honest, Timely			
Misalignment of Personali	ties		Fails to Clarify Intent		
Not Involved Early Enough to Affe	ct Outcome		Does Not Happen		
Failed Expectation	ons		Contract Issues		
Schedule / Budget Not Rea	alistic		Scope Not Detailed		
Overcommitting		Shift Risk to Inappropriate Party			
Forced to Accept Deficien	cies	Not Negotiable			
Assumptions Made on Incomplete	Information	Not Properly Coordinated with Team			
Financial	Project Ma	anagement	Quality		
Schedule Delays Business Operations	Inexpe	erience	Poor Craftsmanship		
Effort Exceeds Budget	_	with Performance tations	Incomplete / Conflicting Docs.		
Pricing Assumptions	Scope Creep /	Scope Change	Constructablility Issues		
Cash Flow	Reliance on Consulta	nt / Sub Performance	Poor Performance		
Estimates Based on Incomplete Info.	Overextendo	ed Workload	Drawings Never Perfect / E&O		
Aligning pricing structure to compete with market	I	y Enough to Affect come	Changes in Scope Without Change to Schedule; Quality Suffers		



2016 - 2017 Program Timeline





Agenda

- Project Delivery Leadership Essentials (15 Min)
- Communication Measurement (30 Min)
- Communication Development (50 Min)
- Housekeeping (5 Min)
- Plus/Delta (10 Min)



Effective Leadership Mitigates Risk

Leaders are:

- Engaged and have a positive project impact
- Maintain consistent personnel throughout project timeline
- Proactively engage key players to a project
- Create opportunity through clarity in roles and responsibilities
- Foster productivity and quality with forwardthinking actions



Leadership Traits for Effective Project Performance

Project Delivery Leadership Traits							
Respectful	Creates Vision	Honest	Prepared				
Decisive	Inspiring	Honorable	Organized				
Solution Minded	Motivating	Trustworthy	Proactive				
Informed	Empowering	Emotionally Stable	Forward looking				
Factual	Enabling	Resilient	Fair				
Logical	Creates	Confident	Cooperative				
	Engagement						
Authoritative	Effective	Consistent	Demanding				
	Communicator						
Coach	Accessible	Dependable	Responsible				
Listener	Open	Supportive					
Understanding	Aware	Transparent					



Communicate Your Way to Desired Outcomes. Can we measure it?

YOU CAN'T **IMPROVE WHAT** YOU DON'T MEASURE.



Communication Measurements

- » Survey
- » Goal Achievement
- » Daily Huddles
- » RFI Responses
- » Constraints
- » % Plan Complete
- » Co-Location Environment
- » Communication Matrix & Procedures





Balfour Concord

Foster + Partners



Westlake Reed Leskosky









Sample Survey

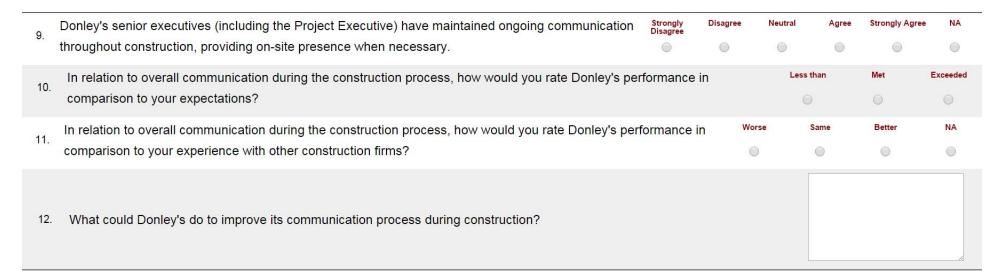
Project Team Survey							Jun-16
							Average
	0	1	2	3	4	5	Score
2. Communication between all team members is:	0	14	43	43	0	0	2.29
3. Concerns & problems are acknowledged:	0	29	29	29	14	0	2.28
4. Concerns & problems are dealt with in a timely manner:	0	57	29	14	0	0	1.57
5. Cooperation between all team members is:	0	0	43	43	14	0	2.71
6. When issues were raised people:	0	29	29	43	0	0	2.14
7. The sense of teamwork between everyone is:	0	14	43	29	14	0	2.43
8. The level of trust between team members is:	0	29	29	29	14	0	2.28
9. The Team Member's respect of each other is:	0	0	29	71	0	0	2.71
							2.30

Survey Samples

Trust Matrix									
	-3	-2	-1	0	1	2	Score		
Environment	Toxic	Stressful	Worry	No worries	Positive	Uplifting			
						Mutual			
Focus	Escalation	Pre-emption	Process	Scope	Outcome	success			
Relationships	Hostile	Disrespect	Indifferent	Cordial	Cooperative	Collaborative			
						Making it			
		Hidden	Chain of		Keeping	easier for			
Process	Sabotage	Agendas	command	Task at hand	promises	others			
Behavior	Micromanage	CYA	Do my job	Respect	Partnering	Transparency			
					Learn from				
Outcomes	Gotcha	Politics	Slow	Efficient	mistakes	Improve			
				Does not get					
Systems	Dysfunctioal	Distracting	Hassle	in the way	Supportive	Adaptive			
				What is					
Ethics	Your Harm	Self-interest	Compliance	expected	What is right	What is good			



Snapshot: 4 Questions out of a Total of 33



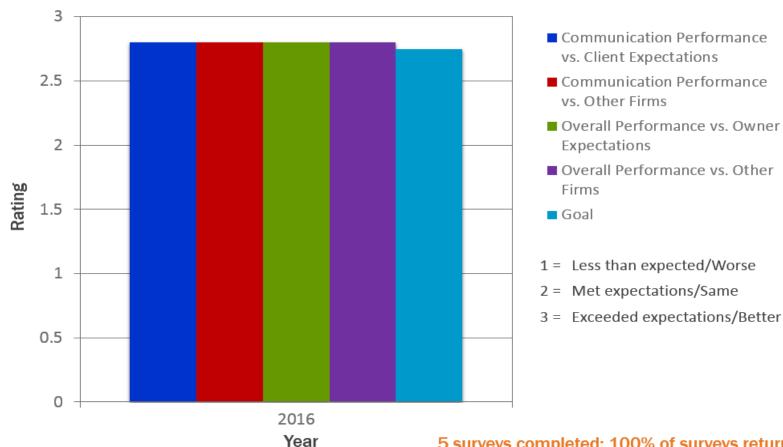
Survey Samples



STATUS

Goal 2.75



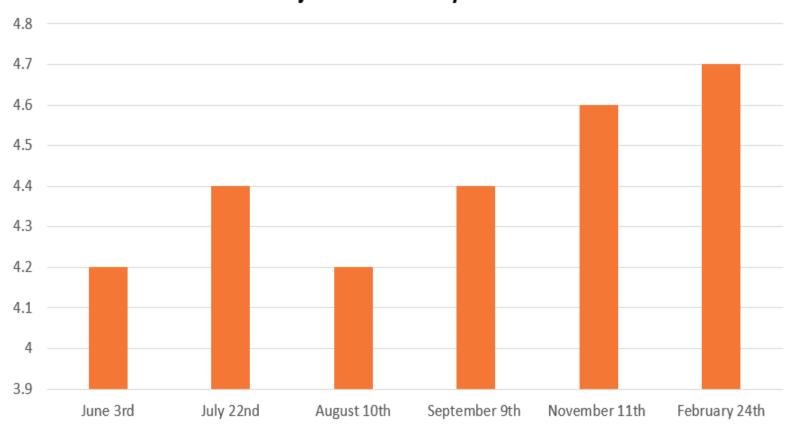


5 surveys completed; 100% of surveys returned



Survey Result Trends

Project Team Survey Results





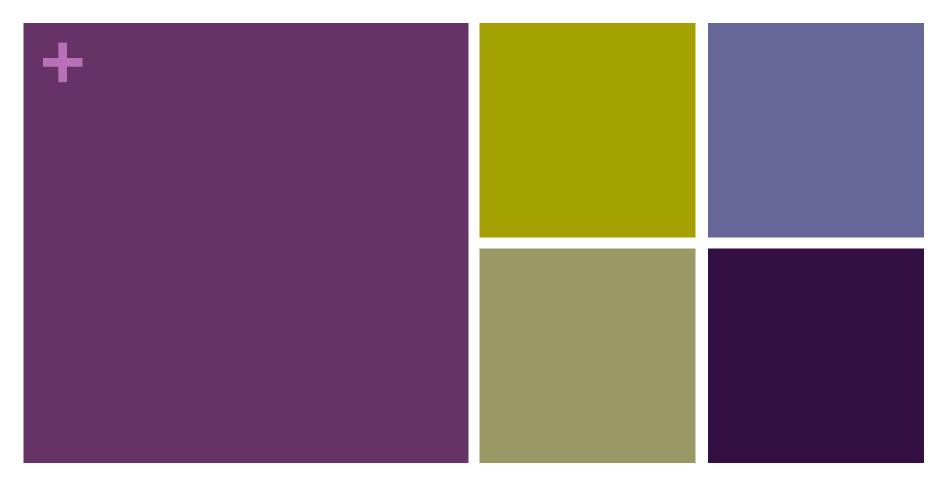
Survey Methods

iPhone Responder

Accessing Responseware on your Smart Phone

- Go to www.rwpoll.com
- Enter Session ID
- Join Session
- Based on your current project experience, rate your "perceptions" of this project.
- Select the number that most closely reflects your opinion from a scale of 0 – 5, as described in the following questions





Developing Relational Coordination

Prepared by John Paul Stephens, Ph.D. Associate Professor Dept. of Organizational Behavior Weatherhead School of Management Case Western Reserve University

The challenge for today's organizations

- Pressure to deliver better outcomes at lower cost
- Learning to do more with less
- Are these goals possible to achieve?
- Can relational coordination help organizations to achieve these goals?

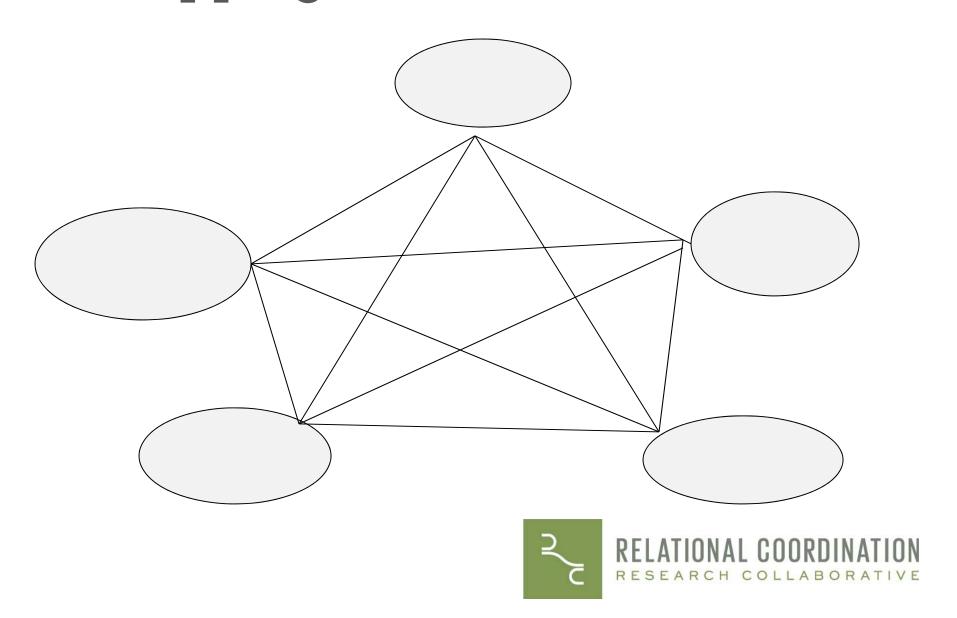
Relational coordination...

- ...Focuses on the quality of communication among interdependent stakeholders
- This matters because...
- "An organization comes into being when (1) there are persons able to communicate with each other (2) who are willing to contribute to action (3) to accomplish a common purpose. These elements are necessary and sufficient conditions initially, and they are found in all such organizations" (Barnard, 1938, p. 82).

Measuring relational coordination

RC dimensions	Survey questions
1. Frequent communication	How <i>frequently</i> do people in each of these groups communicate with you about [focal work process]?
2. Timely communication	How <i>timely</i> is their communication with you about [focal work process]?
3. Accurate communication	How <i>accurate</i> is their communication with you about [focal work process]?
4. Problem solving communication	When there is a problem in [focal work process], do people in these groups blame others or try to <i>solve</i> the problem?
5. Shared goals	How much do people in these groups <i>share your goals</i> for [focal work process]?
6. Shared knowledge	How much do people in these groups <i>know</i> about the work you do with [focal work process]?
7. Mutual respect	How much do people in these groups <i>respect</i> the work you do with [focal work process]?

Mapping relational coordination



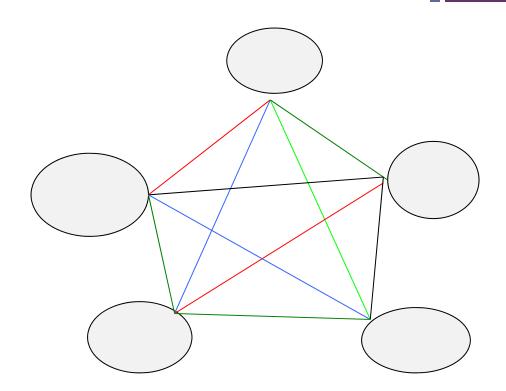
Relational Mapping to Identify and Change Communication Patterns

- □ What is the interdependent work process?
- □ What is the overall goal of the activity in the case?
- □ Which groups/actors were involved?
- □ Put each actor in a circle, and for each relationship between two actors, consider how strong it is in the 7 dimensions of RC
- □ Color the lines between each actor, indicating strength of RC
 - \Box RED = LOW RC
 - □BLUE = MEDIUM RC
 - □GREEN = HIGH RC



How did Relational Coordination apply here?

- Relational Coordination
 - Frequency of communication?
 - Timeliness of communication
 - Problem-solving nature of communication?
 - Accuracy of communication?
 - Sharedness of goals?
 - Sharedness of knowledge?
 - Amount of mutual respect?



Learning Takeaways

- Relational coordination helps us figure out not just whether a system of relationships works, but also why
- Relational coordination surveying and mapping can be an analytic tool as well as intervention
- □ Delivering feedback involves timely, constructive, and respectful communication from you too!



Barriers to Communication

- » Unfamiliar Team Players
- » Lack of Trust
- » Cultural Differences
- » Geographical Distance
- » Egos
- » Improper Delivery System



Communicate Your Way to Desired Outcomes. How do we develop it?



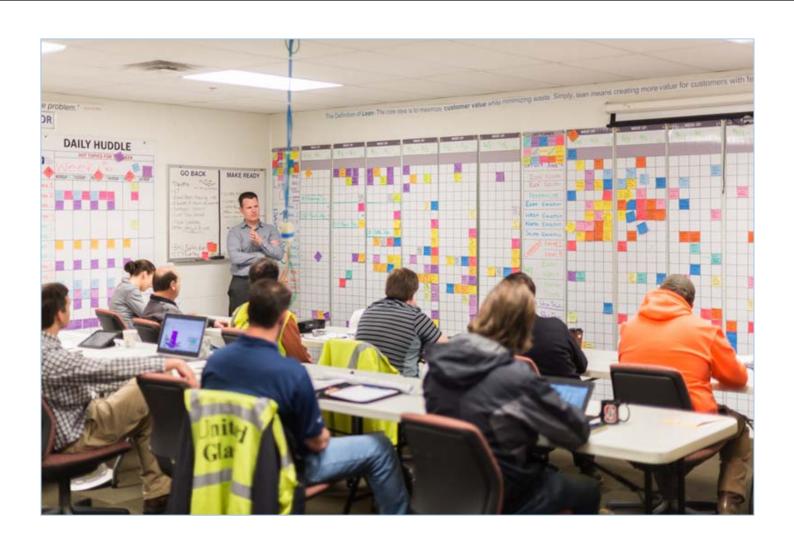
Co-location/ Big Room

- Co-Location
- Education & Continuous Improvement
- Pull Planning
- Reliable Promising LRM
- communication through structured and improvised meetings
- Report Outs Allows all partners to see where we are on the Schedule, Scope and Target Budget
- Transparent Decision
 Making A3
- Video Conferencing
- WebEx & Join.Me





Pull Planning – Design, Construction & Transition /Activation





Education – Standard Work

Obtain Construction Estimate

Moves Standard Work Instructions

Author: Marge Zezulewicz

Process: Obtain Construction Estimate

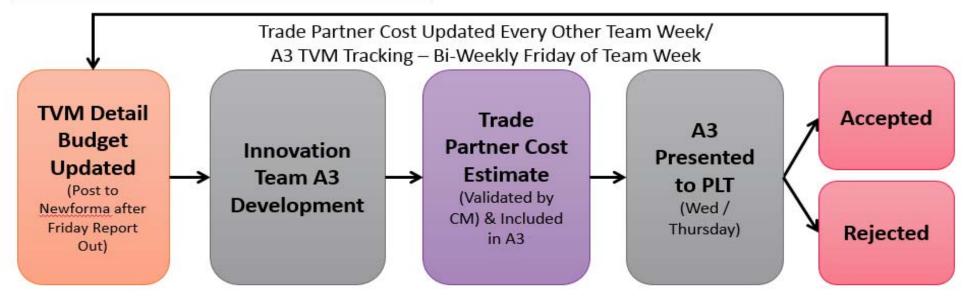
Attachments: Preliminary Construction Estimate Sample
Access: KidsNet/MyCompany/Construction Department

	What to Do	How to Do It
1.	Review project scope	Governance Team representative or Move Champion communicates with Department Manager to confirm project scope and details
2.	Identify new for project scope	Department Manager and Governance Team representative or Move Champion discuss new furniture, equipment or systems required for project. Preliminary Scope of Work form approved by Governance Team is used to establish rough order of magnitude costs for project.
3.	Construction Estimate is developed	Governance Team representative or Move Champion develops order of magnitude construction estimate for the project.
4.	Construction Estimate is reviewed	Governance Team representative or Move Champion forwards estimate to Department Manager for review and approval.
5.	Construction Estimate is submitted to Director of Construction	Upon approval by Department Manager, construction estimate is forwarded to the Director of Construction for final review. Director of Construction notifies Department Manager and Move Champion of any concerns.
6.	Construction Estimate is submitted in StrataJazz	At this point, the Construction Estimate Summary will include the cost for design, construction, furniture, equipment (clinical and non-clinical), IS (phones, computers, printers, etc.) and security (card readers and cameras). The project funds should be "released" in StrataJazz and this Construction Estimate Summary should be included as an attachment with any back-up quotes.

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Education – Process Mapping

A3 Target Value Management Process

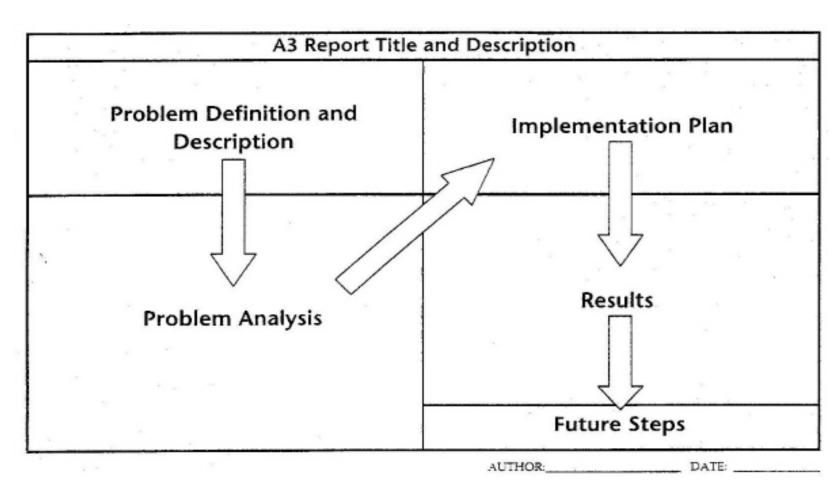




Inspire. Educate. Unite.

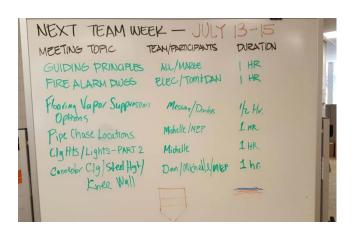
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Communication Tools

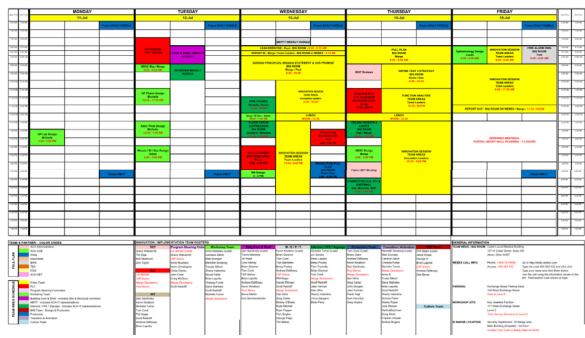




Planning & Scheduling Activities









Communication Messaging

Pritchett Tool for Creating Change Messaging

Awareness *Why are we changing?	Understanding •What is changing?	Commitment *What will inspire people to join the cause?	Appropriate Action *What are our specific goals and tasks?
What is our vision? Guiding Principles	What is going away?	How is my part important to the overall success?	What should we start doing?
What do we need to do differently?	How will my job change?	What capabilities do I currently have to contribute?	What should we stop doing?



Huddle Format to Maintain Communication

011												
Stand	ard Work Instruction	Organization	List Organization	PRODUCT			APPROVED BY		STANDARD	WORK INST	RUCTION	
Outputs of this process: Main points can be identified		PROCESS	Innovation Team Communication	TYPE	Document		CHECKED BY	Bernita	to perform a created by t	imented bes n activity or he people do y their leader	job and It's ing the work	
Clear & de errors	tailed instructions without	UNIT OP / EQUIP	Telephone				CREATED BY Beikmann		CAFE	SAFETY A QUALITY		
Helps to find improbable points in current operations		PROCESS NAME	Akron Childrens Innova Huddle Meetings	ation Team	REV: List Rev # I		DATE	8/27/12	SAFETY / QUALITY PROTECTION			
STEPS	MAIN STEPS	DETAIL F	KE	Y POINT			FIGURE	EXPLANATION	ON			
	Team Member Prep	through Thursday to r members of the innov members will answer What did I do today? What am I doing tome Is there anything stan	vation team. Team the following questions: orrow?	This process will in pull plan tasks from daily update. This communication wit come up they can I immediately	n a weekly will also in h the team	update 10 a crease when issues				PLT Leader M-W-F	ship Team 8:30-9:00)
2	Call In	Every Innovation Men designated time. Call	If you start on time be more efficient fo					Constraints				
3	Report Out	Keep under 15 minut Be crisp in the report Use the numbers fron (This is Bernita, 23 is have no constraints, r Don't wait for your nai GO.	This is taking respo and proving that to show constraints e small.	the group.	Also, it will				Connected T-W-Th-F	Decisions Hu 8:30-8:45		
4	Constraint Discussion	If constraints are quic discuss them in the conplicated they desi- discussion.	all. If they are	Constraints can invoutside of group, o issues.			•••	. \ .	Status	?	. <u>.</u> .	
5	State New Requests	needs to be adjusted,	her work request or work , adjust it. This can be ess the timing of that work t team pull session	Admin for the group would add item to the Last Planner/ Pull Plan					Pull Plan	1000	1	
							Innovation Te	eam Huddles		M-T-W-Th	Afternoon	
	minted 8/27/2012						Childrenio Marquital	BOLDT	ecre W	HKS	KLMK	NORSONSKEI Dissource, Inc.

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Documentation of Ideas and Follow Through

High Risk OB Page Turn January 8, 2013

High Risk OB Page Turn January 8, 2013

Agenda Avg. (10-20 min per discipline) 1. Review Standard Work for submittal 2.Architectural 3.Interiors 4.Equipment 5.Technology 6.Mech. 7.Plumbing 8.Elec. 9.Fire Suppression 10.Fire Alarm

Page Turn Intent

- Last chance to gather / discuss / address team comments.
- 2. Identify coord, items btwn disciplines
- 3. Owner Walk-through / review
- 4. Verify budgets identify scope gaps and duplications
- Avoid Re-work don't revisit closed items

Parking Lot

ARCHITECTURE - EXTERIOR

1. NEW ROOF PLAN IS REQUIRED FOR NEW CHILLERS - HKS

A - INTERIOR

- 1. FOLLOW UP WITH REFERENCE SHEETS HA
- 2. FOLLOW UP ON CONSTRUCTION PROCESS IN FUTURE FRAMES HA / ACP / KHS&S
- 3. SUPPORT FOR MIRROR IN LDRP ROOM HA
- 4. CONFIRM DEPTH OF CASEWORK +/- 20* HA
- 5. TP HOLDER LOCATION W/ PULL CORD HA

MEDICAL EQUIPMENT

- 1. DISINFECTOR FOR US CLOSED 1/8 CUT SHEET SENT TO HA / BWK
- 2. BIRTHING LIGHT SELECTION
- 3. REVIEW CENTRAL STATION INFO FROM ASC. CLOSED 1/8 CUT SHEET SENT TO HA / BWK / DYNAMIX
- 4. CEILING LIFT TRANSFORMERS TO BE HARDWIRED WHEN SPECIFIED
- -5. CONFIRM REACH OF COLUMN ---- CLOSED 1/8 SWAPPED LOCATION OF ELECTRICAL PANEL & ALCOVE

ΙT

- 1. VERIFY SPECIFICATIONS FOR CONFERENCE ROOM (OWNER VS. PROJECT) DYNAMIX / PARSON TECH
- 2. CONFIRM PLUG / HARD WIRE FOR WOW CHARGERS DYNAMIX
- 3. HARMONY LOCKS ON LOCKER ROOMS HA / PLT
- 4. SPECIFY PILLLOW SPEAKER WITH 2 LIGHT CONTROLS IN LDRPS DYNAMIX

MECHANICA

- 1. SEPARATE SUBMITTALS FOR AIR HANDLING UNITS, EXHUAST FANS, VAV BOXES, ETC. SPECIFIC TO THIS FLOOR. MMC
- 2. ADD SHEET FOR COOLING TOWER ROOF PLAN CCRD
- 3. ELECTRICAL LEVEL 0 & ROOF TO BE PICKED UP CCRD/ BWK
- 4. ISSUE LEVEL 3 (DP-016) PLUMBING AS PART OF THIS PACKAGE FOR REFERENCE CCRD/ BWK
- 5. CONFIRM TAPS OFF R/A & EXHAUST PAM
- 6. CONFIRM IF JIM & TIM HAVE UNIT HEATERS FROM CONSIDINE PAT
- 7. ADD REVISED ROOF PLAN DRAWING FOR FANS BWK



Documentation of Ideas and Follow Through

Revised: 06-2	0-16										
Item No.	System	Decision to be Made	Description/Options	Space Impact	Cost Impact	Operational Impact	Additional Considerations	Key Personnel for Decision	Priority	Decision/Task	Closed
,	,	· ·	7	~	7	_	_	_	įΤ	_	
TW1	Tower Water	Where do the cooling towers go?	Roof, Grade, Remote	Tower size similar regardless of location	Cost increases the further from the chillers the towers are. Structural costs increase on roof.	Roof - highest pumping costs Grade - lowest pumping costs	Roof - plume location near intakes, interior vs exterior, controlling the water flow from the roof is difficult and NOISY Grade - site is tight, plume	Architecture MEPFT Facilities	Hiah	The cooling towers will be located remotely with the generators. The preferred location is as far west on the site as reasonable.	Yes
TW2	Tower Water	Sump Type/Location	Integral to tower, above	above or below grade tanks/basins require space in mechanical	Remote sumps increase	Basin heaters required for integral sump, Turbine pump vs. end suction or horizontal split case	Integral tower sumps require system drain down during cold weather	Architecture MEPFT Facilities		BELOW GRADE	Yes
TW3	Tower Water	Should the new tower system be isolated or cross-connected to existing?	grade, below grade	Negligible	Cost	To be used as "back-up only" or as a single plant during low loads?	With the current plan, the existing 24" lines are to be re-routed.	MEPFT Facilities	Medium	Do not cross-connect tower water	Yes
CW1	Chilled Water	Redundancy Requirements	How much of building load should be maintained if one chiller fails? Pump? Tower cell?	Affects quantity/size of chillers	Generally, more redundancy is more expensive, but can be mitigated by quantity of equipment.	What happens on equipment failure? Could be substantial replacement time.	Consistency with campus standard. Is the plant to act as redundancy for existing plants? Can existing plants act as redundancy for this new plant?	MEPFT Facilities	Medium	Initial design shall be N+1. If one chiller fails, the entire design load shall be maintained.	Yes
CW2	Chilled Water	Size/quantity of Chillers	3@50%, 4@33%, etc.	More chillers = more		Plant needs to be able to accommodate peak and typical loading without cycling chillers.	Plants with unequal sizing can allow for better turndown, but may struggle with redundancy Leave footprint for future?	MEPFT Facilities	Medium	Initial design shall be 3 chillers at 50% of design load. Need to revisit when schematics are completed.	
		, ,	Primary/Secondary		Primary/Secondary requires more pumps, but the overall cost impact is	Primary/Secondary is "easier" to control and may be required depending on tie-in and desired operation of the cross-connect. Variable-Primary would provide		MEPFT		Prefer primary with multiple	
CW3	Chilled Water	Pumping System	Variable Primary	Negligible	likely minimal	Is the newlexisting plant "back-up only" or are the two to integrate for		MEPFT	Low	secondary	
CW4	Chilled Water	Cross connection method/location		Negligible		low load conditions? Need to be able to perform		Facilities	Low		_



Communication Styles

The Framework for Healthy
Team Effectiveness

DISC Behavioral Styles





Communication Procedures

Data Distribution Matrix



		Project Manager	Task Manager	Team Member	Department Mgr.	PIC	Subconsultants
	Monthly Cost Summaries	Х				Х	
Financial	Progress Reports	х	Х	х		Х	х
Eina	Utilization Reports	X	Х		Х	Х	
	Manpower Planning Report	х			X	х	
Project Reports	Site Condition Report	х					х
	Soil Borings	Х	Х		Х		Х
	Equipment Performance Study Report		Х		Х		х
Ē	Construction Cost Estimate Update	х				х	х



Communication Procedures

Communication Matrix



	COMMUNICATED TO:								
			Internal		External				
	Project Mgr.	Team Mbrs.	Project Office	Dept. Head	Principal -in- Charge	Project Mgr.	Project Office	Dept. Head	Exec.
Project Mgr.		*	•	*	*	•	•	•	Δ
Team Mbrs.	٨		•	*	Δ	0	*	0	•
Project Office	*	٨		•	•	0	*	*	•
Dept. Head	Δ	*	*		•	Δ	Δ	•	•
Principal -in- Charge	0	*	*	0		0	*	Δ	0

DIRECTION OF COMMUNICATION >

Leg	end			
•	Daily	🛨 Week	dy O	Monthly
Δ	Informal	As ne	eded o	Never



Managing Conflict

How Management Teams Can Have a Good Fight

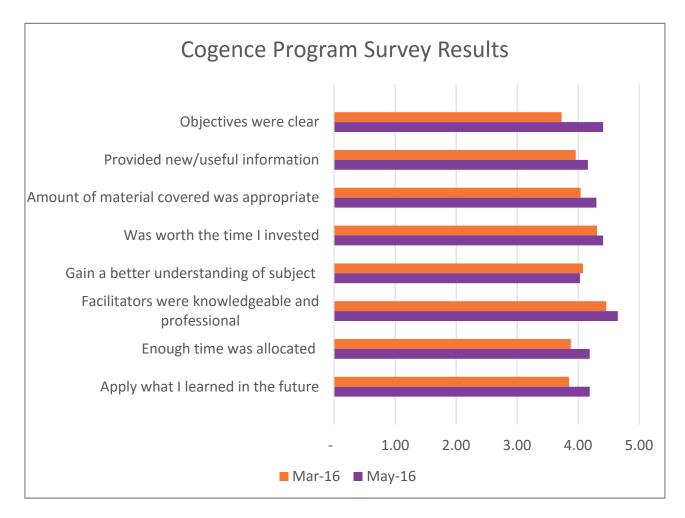
by Kathleen M. Eisenhardt, Jean L. Kahwajy, and L.J. Bourgeois III

"Tactics to separate substantive issues from personalities:

- » Focus on the facts
- » Multiply the alternatives
- » Create common goals
- » Use humor
- » Balance the power structure
- » Seek consensus with qualification."



May 2016 Program Recap



March 2016 Program: Attendees 43, Survey Responses 26 May 2016 Program: Attendees 41, Survey Responses 37



May 2016 Program Recap

Plus

- » Welty's recap of Risks
- » Everyone participated
- » New members
- » Future roadmap helpful
- » Time management
- » Room temperature controlled
- » Toolbox discussion good
- » Program set up for discussion

Delta

- » More specific toolbox ideas
- » Late arrivals
- » Need understanding of how this information will be disseminated
- » Continue to work on creating value
- » Share Cogence global strategy



A hello@cogence.org (216) 234-5555

Search

Q

HOME

PARTNERSHIP

TRAINING

ADVOCACY

PARTNERS -

ABOUT COGENCE

CONTACT

Partners - COGENCE Alliance

COGENCE Alliance | Owners + Architects + Engineers + Contractors

All Partners

Charter Partners

Owners

Architects

Engineers

Contractors



Cleveland Clinic

- ✓ Charter Partner
- ✓ Owner



Bostwick Design Partnership

- ✓ Charter Partner
- ✓ Architect



Lake Erie Electric

- ✓ Charter Partner
- ✓ Contractor



Donley's

- ✓ Charter Partner
- ✓ Contractor



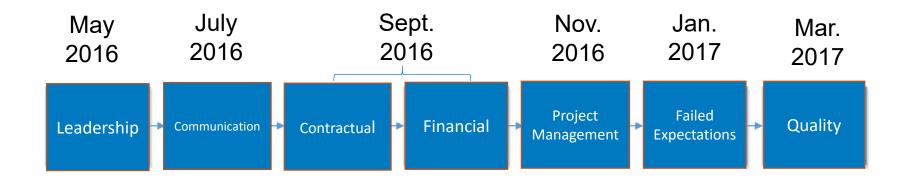
Strategic Plan Review

3 August 2016 | 12:00

@ Karpinski Engineering



2016 - 2017 Program Timeline





July 2016 Program Recap

Plus

- » Organized event effort and preparation was evident
- » Great participation
- » Practical solutions
- » New ideas learned

Delta

- » Make information available
- » Make solutions/tools practical to "resource limited" projects
- » Get information out to industry
- » Ask for feedback to shape discussion when invitation goes out



Next Meeting 14 September 2016 | 4:30