PLANNING A CAPITAL PROJECT: 10 Steps for Getting Renovation, Additions or Expansions on the Right Track





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Mitch Kilcrease

Bart Hall

Brad Lukanic, AIA, LEED AP

Director OSU Student Union Oklahoma State University Stillwater, Oklahoma

Project Manager Brailsford & Dunlavey Washington, DC

Project Manager / Architect Holzman Moss Architecture New York, New York





PLANNING A CAPITAL PROJECT:

Goals for the Session

- 10 Goals from 3 Different Perspectives
- ➢ No Two Projects Alike
- Determine what works for you
- ➤ A Menu of choices







10 STEPS FROM THE . . .

UNION DIRECTOR'S VIEWPOINT

Mitch Kilcrease

Director OSU Student Union Oklahoma State University Stillwater, Oklahoma





UNION DIRECTOR'S VIEWPOINT #1 - Define the Need

- Assess the physical need of your facility and your ability to support the expectation of the campus
- Meet with key campus and community leaders to assess their perceptions about your organization





UNION DIRECTOR'S VIEWPOINT #2 - Build & Educate A Cohesive Stakeholder Team

- Identify and engage key stake holders
- > Make your organization as transparent as possible
- Educate your team about your organization
 - What are your values
 - ➤ How are you funded
 - > What does the funding support
 - ➤ How does your organization support the educational mission of

the University.



UNION DIRECTOR'S VIEWPOINT #3 - Create an Inclusive Process

- Use the process to gather information as well as to educate groups about the need
- ➢ No one should be surprised about the end product



UNION DIRECTOR'S VIEWPOINT #4 - Understand the Political Climate of Your Campus & Community

- Do a environmental scan of those issues that are impacting the administration, students, faculty, alumni, community and state leaders
- > Don't Hand Your Campus Leadership a Project That They Can Not Support
- Identify key campus decision makers
- Involve them early on in the process and keep them well informed during all phases of the process





UNION DIRECTOR'S VIEWPOINT #5 - Actively Involve Your Students

- Put them in key leadership roles
- Give them tools and resources to educate others
- Trust them
- Don't underestimate their power to grasp complex issues







UNION DIRECTOR'S VIEWPOINT

#6 – Build Relationships With Unlikely Advocates

- Involve your critics...get them on the inside of the initiative
- > Allow concerns and criticisms to be aired
- Engage the under represented and add voice to their needs



UNION DIRECTOR'S VIEWPOINT #7 - Hire Consultants Who Understand the Complexity of our World







UNION DIRECTOR'S VIEWPOINT #8-Prepare Those Around You For What They Are Getting Into

- ➤ Your staff
- > Your supervisor
- > Your family and friends







UNION DIRECTOR'S VIEWPOINT #9 - Assume Nothing and Prepare for Everything

- Assume no one knows anything about your organization and what your needs are
- No matter how well you prepare, something will come along and force you off your game plan







10 STEPS FROM THE . . .

Facility Planner's Viewpoint

Bart A. Hall



Project Manager

Brailsford & Dunlavey

1140 Connecticut Avenue, NW – Ste 400 Washington DC, 20036 www.facilityplanners.com 202.289.4455





Capital Lianning as an Euucational Process

Needs Assessment

- Strategic Asset Value Determination 1)
- **Existing Conditions Assessment** 2)
- Benchmarking / Comparative Assessment 3)

Demand Assessment

- Focus Groups & Interviews 4)
- **Campus Community Survey** 5)
- Market Capacity (on & off campus) 6)

Demand-based Programming (7)

Financial Modeling

- **Project Cost Implications** 8)
- **Operating Cost Implications** 9)

10) Resource Assessment & Reconciliation

ZMANNOSS



Learning Focus

- **Consultants**
- "Institution" 2)
- **Students** 3)
- Staff **4**)
- "Institution"
- Staff 2)
- **Students** 3)
- Consultants 4)

ALL

ALL

Strategic Drivers

- Leadership Development
- **Student Employment**
- Leisure Activities / Stress Mitigation
- **Out-of-Classroom Experience**
- **Recruitment / Retention**
- **Central Gathering Place**
- Faculty / Staff / Student Interaction
- Campus Master Plan Integration
- One Stop Shopping/Student Services
- **Expense Management**
- Alumni / Donor Involvement

- Academic Activities

- Campus Life Program Model
- **Community Relations**
- **Revenue Management**

- **Balance Sheet Utilization**





Educational Outcomes

Enrollment Management

Campus Community

Functionality

Financial Performance

Campus Life Program Models

A Common Experience





Focus on Several Special (Larger) Programs/Events Focus on More Diverse (Smaller) Programs/Events Independent Endeavors

> Students Engaged in Events of Their Own Choosing





Programs → Facility Characteristics

A Common Experience



Something for Everyone



Consolidated & Centralized Campus Life Center

Centralized Campus Life Center Limited Campus Life Center

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Independent

Endeavors

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Needs Assessment

Existing Conditions Analysis

Facilities – Both "Style" & Infrastructure Enrollment & Demographics Services & Amenities

Benchmarking / Competitive Context

Peer vs. Aspirational Comparisons

- **General Metrics**
 - Traffic Volume
 - Meeting / Event Scheduling
 - Square Feet per Student



Program Benchmarking

Functional Areas	All Unions (n=75) Ave Enrollment = 17,855			Select Unions (n=14) Ave Enrollment = 26,524			OSU Enr	Student oliment =	Select Unions to OSU Variance		
	ASF	Average	ASF/Stdnt	ASF	Average	ASF/Stdnt	ASF	Average	ASF/Stdnt	ASF/Stdnt	Grp ASF
Group 1: Food Service	26,965	24.2%	1.5	33,523	21.3%	1.9	27,872	10.8%	1.6	(0.3)	(5,651)
Group 2: Ballroom Facilities	10,703	9.6%	0.6	15,161	9.6%	0.8	9,790	3.8%	0.5	(0.3)	(5,371)
Group 3: Conference/Meeting Rooms	10,523	9.4%	0.6	14,673	9.3%	0.8	18,305	7.1%	1.0	0.2	3,632
Group 4: Bookstore	12,134	10.9%	0.7	17,814	11.3%	1.0	24,360	9.4%	1.4	0.4	6,546
Group 5: Additional Retail Services	5,535	5.0%	0.3	8,115	5.1%	0.5	6,766	2.6%	0.4	(0.1)	(1,349)
Group 6: Theater/Auditorium	5,370	4.8%	0.3	7,745	4.9%	0.4	7,130	2.8%	0.4	(0.0)	(615)
Group 7: Recreation/Entertainment	6,608	5.9%	0.4	8,361	5.3%	0.5	3,407	1.3%	0.2	(0.3)	(4,954)
Group 8: Lounge Space	6,747	6.1%	0.4	8,305	5.3%	0.5	13,509	5.2%	0.8	0.3	5,204
Group 9: Academic Related	2,069	1.9%	0.1	2,698	1.7%	0.2	2,659	1.0%	0.1	(0.0)	(39)
Group 10: Student Organizations	8,888	8.0%	0.5	12,364	7.8%	0.7	14,500	5.6%	0.8	0.1	2,136
Group 11: Administrative Offices	9,485	8.5%	0.5	11,734	7.4%	0.7	92,691	35.8%	5.2	4.5	80,957
Group 12: Multicultural Centers	2,010	1.8%	0.1	2,285	1.4%	0.1	1,942	0.7%	0.1	(0.0)	(343)
Group 13: Special/Misc. Components	5,806	5.2%	0.3	14,841	9.4%	0.8	36,222	14.0%	2.0	1.2	21,381
Total Assignable Sq. Footage	111,427			149,654			259,153			109,	499
Total Gross Sq. Footage	174,946			233,876			498,371			264	495
Gross/Net Ratio (Grossing Factor)	1.53			1.50			1.48			(0.0	02)
Efficiency Factor (% ASF/GSF)	65%			67%			52%			-15.3	30%

* "Select" data from 14 institutions in B&D / WTW database with comparable mission / enrollment





Demand Assessment

Focus Groups & Interviews

- Perceptions of Facility / Services
- Impact of Programming
- Identity of Institutional "Comrades & Competitors"
- Explore Fee Sensitivity
- Opportunity to Share Reality & Start Educational Effort





Demand Assessment

of Respondents

Campus Community Survey

- Facility Usage
- Facility Demand
- Amenity & Svc Demand
- Fee Tolerance

Would you support an additional fee for sustainability?

No kas



		once per week)	
fee		Frequency	
Do you support an additional		Support origi	nal \$115 Fee
fee for sustainability?	TOTAL	Yes	No
Yes, I support.	71.9%	92%	37%
No, I do not support.	28.1%	8%	63%





Demand Assessment

Market Capacity (on & off campus)

On Campus Factors

- Coffee Shops in Libraries
- Convenience Stores
- Other Multi-Use Facilities (i.e. Rec Ctr "Lounges")
- Activity & Program Participation
- Off Campus Factors
 - Food Service
 - Bookstores
 - Other Retail & Social Activity Outlets



Demand-based Programming

Unique Process Driven By Quantitative Data

OKL	AHOMA STATE UNIVERSITY					27-Dec-06
Stuc	lent Union Strategic Consulting Services					
ACTI	VITY PRIORITY ANALYSIS - BY DEPTH AND BREADTH OF DEMAND					
	All Responses					
	A strick.	Danih	Bennetth	Deineite	Danih i Brazdih	% of Change (Depth + Breadth)
	Activity	Depth	Breadur	Phoney	Depth + Breadth	% of Change (Depth + Breadth)
1	Food court - lunch	36.7%	82.3%	first	119.0%	
2	Coffee house / entertainment venue	22.5%	67.8%	first	90.3%	28.6%
3	Convenience market / store (some produce, dairy case, cereal, canned goods, etc.)	17.4%	65.0%	first	82.5%	7.9%
4	Food court - breakfast	14.7%	54.4%	first	69.1%	13.4%
5	Quiet / study lounge	13.1%	35.6%	second	48.7%	20.4%
6	Email stations (stations provided throughout the building)	12.7%	35.0%	second	47.7%	1.0%
7	Food court - dinner	12.4%	46.3%	second	58.7%	-11.0%
8	Informal / social lounge	9.2%	38.7%	second	47.9%	10.8%
9	Evening / nightlife entertainment venue (dance club, live entertainment, and / or multimedia zone)	8.8%	51.9%	second	60.7%	-12.8%
10	Game room (pool tables, ping pong, video games)	5.8%	28.1%	third	33.9%	26.8%
11	Small group study rooms (4-6 people)	5.1%	32.5%	third	37.7%	-3.8%
12	Formal lounge	5.0%	30.1%	third	35.0%	2.6%

Note:

A balanced approach to activity prioritization considers the implications of both depth and breadth of demand. In this analysis, breadth of demand can be used to reorder activities within their priority categories based on depth.





Demand-based Programming

- Methodology Tests "Lifestyle" & "Occasional" Usage
- Produces University's "Ideal" Union Program
- Used to *Guide* Facility Recommendations, along with qualitative & other quantitative data

	Activity	Priority	Peak	Space	Peak	Space Allocation		ation
	Activity	Category	Accommodation	Туре	Demand Based on Pr		ioritization of Demand	
1	Food court - Lunch	first	75% to 85%	Sq. Ft.	34,870	26,200	to	29,600
2	Coffee House / entertainment venue	first	75% to 85%	Sq. Ft.	3,511	2,600	to	3,000
3	Convenience Market / store (some produce, dairy case, cereal, canned goods, etc.)	first	75% to 85%	Sq. Ft.	2,400	1,800	to	2,000
4	Food court - Breakfast	first	75% to 85%	Sq. Ft.	9,770	7,300	to	8,300
5	Quiet / study lounge	second	55% to 65%	Sq. Ft.	4,340	2,400	to	2,800
6	Email Stations (stations provided throughout the building)	second	55% to 65%	Stations	80	44	to	52
7	Food court - Dinner	second	55% to 65%	Sq. Ft.	8,600	4,700	to	5,600
8	Informal / social lounge	second	55% to 65%	Sq. Ft.	2,330	1,300	to	1,500
9	Evening / nightlife entertainment venue (dance club, live entertainment, and / or multim	second	55% to 65%	Sq. Ft.	9,330	5,100	to	6,100
10	Game Room (pool tables, ping pong, video games)	third	40% to 50%	Sq. Ft.	3,030	1,200	to	1,500
11	Small group study rooms (4-6 people)	third	40% to 50%	Sq. Ft.	2,760	1,100	to	1,400
12	Formal lounge	third	40% to 50%	Sq. Ft.	2,020	800	to	1,000
1	COMBINED 1: Coffeehouse / Evening - Nightlife Entertainment Venue			-	12,841	7,700		9,100
2	COMBINED 2: Lounge Space - Informal / Quiet / Formal				8,690	5,900		5,300 🔫





Detailed Programming

- Project Objectives
- Design Philosophy
- Location & Site Requirements
- Outline Program
- Development Budget
- Adjacencies & Functional Relationships
- Detailed Space Requirements Room Data Sheets
- Outline Specifications

Test Financial Feasibility of Demand Models

- Revenues
- Operating Expenses
- Debt Structuring



Revenue & Expense Analysis – A Risk Mitigation Plan

- Knowing your risks & options
 - A description of short and long-term operational strategies to minimize risk, supplemental revenue opportunities, and cash management strategies.
- Risks
 - Increased Competition
 - Decreased Enrollment
 - Increased Operating Cost
- Options
 - Target new markets
 - Reserve fund for improvements



Financial Analysis – Project Cost & Impact Scenario

DEBT ASSUMPTIONS

Amount of Issued Debt = \$62 Million Annual Debt Service Payment = \$4.13 Million Debt Capacity Based on Stabilized 1st Year Debt Coverage Ratio = 1.25 Interest Rate = 5.25% Term = 30 Years

FACILITY ASSUMPTIONS

Total Gross Sq. Ft. = 296880 G.S.F. Expansion Gross Sq. Ft. = 252380 G.S.F. Total Sq. Ft. Under SU Mgmt = 365312 G.S.F. Operating Costs Per SF = 16.50 Per G.S.F.

REVENUE ASSUMPTIONS

Existing SU Student Fee = \$ 1.80 per SCH New SU Student Fee per Term = \$ 9.20 per SCH New Total SU Portion of Std. Fac. Fee = \$ 11.00 per SCH Total Student Fee Per Year (15 hrs UG) @ Opening = \$ 180 Building Opening in FY 2012

EQUITY ASSUMPTIONS

SU Reserves for Capital Contrib	ution \$1,157,000
Early Fee Collection	\$7,521,000
Institutional Contribution	\$5,000,000
Fundraising Contribution	\$10,000,000
Total Equity	\$23,678,000

Year 1 Debt Capacity	=	\$63,060,00
Project Equity	-	\$23,678,00
Total Funding Capacity	=	\$86,738,00
Total Student Center Project Cost	=	\$85,422,00
Surplus (if -, then Fundraising Required)	_	\$1,316,000

HOLZMAN MOSS ARCHITECTURE



Financial Analysis – Phased Fee Impact

	Existing Fee /		4th Year / 2011-12								
	semester @\$1.80 SCH	Existing Fee / Year	New Fee / SCH	New Fee / semester	Total Fee / semester	% ∆ Total Fee/ semester	Total Fee / Year				
Undergraduate Students											
Full-time (15 hours)	\$27.00	\$54.00	\$9.20	\$63.00	\$90.00	21%	\$180.00				
Part-time (6 hours)	\$10.80	\$21.60	\$9.20	\$25.20	\$36.00	21%	\$72.00				
Graduate Students											
Full-time (9 hours)	\$16.20	\$32.40	\$9.20	\$37.80	\$54.00	21%	\$108.00				
Part-time (3 hours)	\$5.40	\$10.80	\$9.20	\$12.60	\$18.00	21%	\$36.00				





Financial Analysis – Debt Capacity Sensitivity Analyses

Interest Rates vs. Debt Term

Interest Rates vs. Debt Coverage Ratio

	20	22	24	25	28	30	32		1.0	1.05	1.10	1.15	1.20	1.25	1.30
4.50%	\$56.92	\$60.32	\$63.43	\$64.89	\$68.89	\$71.28	\$73.47	4.50%	\$89.10	\$84.86	\$81.00	\$77.48	\$74.25	\$71.28	\$68.54
4.75%	\$55.71	\$58.94	\$61.88	\$63.25	\$67.00	\$69.23	\$71.26	4.75%	\$86.54	\$82.42	\$78.67	\$75.25	\$72.11	\$69.23	\$66.57
5.00%	\$54.53	\$57.60	\$60.38	\$61.68	\$65.19	\$67.27	\$69.15	5.00%	\$84.09	\$80.08	\$76.44	\$73.12	\$70.07	\$67.27	\$64.68
5.25%	\$53.40	\$56.31	\$58.94	\$60.16	\$63.46	\$65.39	\$67.14	5.25%	\$81.74	\$77.85	\$74.31	\$71.08	\$68.12	\$65.39	\$62.88
5.50%	\$52.29	\$55.06	\$57.55	\$58.70	\$61.80	\$63.60	\$65.22	5.50%	\$79.50	\$75.71	\$72.27	\$69.13	\$66.25	\$63.60	\$61.15
5.75%	\$51.23	\$53.86	\$56.21	\$57.29	\$60.20	\$61.88	\$63.39	5.75%	\$77.35	\$73.67	\$70.32	\$67.26	\$64.46	\$61.88	\$59.50
6.00%	\$50.19	\$52.69	\$54.92	\$55.94	\$58.67	\$60.23	\$61.63	6.00%	\$75.29	\$71.71	\$68.45	\$65.47	\$62.74	\$60.23	\$57.92
6.25%	\$49.19	\$51.57	\$53.67	\$54.64	\$57.19	\$58.66	\$59.95	6.50%	\$71.43	\$68.03	\$64.94	\$62.11	\$59.53	\$57.14	\$54.95
6.50%	\$48.22	\$50.48	\$52.47	\$53.38	\$55.78	\$57.14	\$58.35	6.75%	\$69.62	\$66.30	\$63.29	\$60.54	\$58.01	\$55.69	\$53.55
6.75%	\$47.27	\$49.42	\$51.31	\$52.17	\$54.42	\$55.69	\$56.81	7.00%	\$67.88	\$64.65	\$61.71	\$59.02	\$56.56	\$54.30	\$52.21
7.00%	\$46.36	\$48.40	\$50.19	\$51.00	\$53.11	\$54.30	\$55.34	7.25%	\$66.21	\$63.05	\$60.19	\$57.57	\$55.17	\$52.97	\$50.93
7.25%	\$45.47	\$47.42	\$49.11	\$49.87	\$51.85	\$52.97	\$53.93	7.50%	\$64.60	\$61.53	\$58.73	\$56.18	\$53.84	\$51.68	\$49.69





Decision - Implications

- Time = \$...With escalations of 6% 8% annually!
- Consider "Pre-Design Services" \$ in relation
- to total Project Cost



10 STEPS FROM THE . . .

ARCHITECT'S VIEWPOINT

Brad Lukanic, AIA, LEED AP

Architect / Project Manager Holzman Moss Architecture New York, New York





ARCHITECT'S VIEWPOINT #1 - DETERMINE THE OBJECTIVES AT THE ONSET

- Define 'your' DirectionNo two places are the same
- ➢Vision (Union / Institution)
- ➤ "THE BIG PICTURE"
- ➢ What are the 'GOALS'
- It is ok to refine goals during the process.







ARCHITECT'S VIEWPOINT #1 - DETERMINE THE OBJECTIVES AT THE ONSET

- Cramped Space
 Using Spaces in Unique Ways
- Poor Food Options
- Need More Seating for Dining
- Reduced Student Visitation
 Students going elsewhere
- Inadequate Facilities & Quality of Service
- Student Life Facilities are often compared to an office building







ARCHITECT'S VIEWPOINT #1 - DETERMINE THE OBJECTIVES AT THE ONSET

- Cramped Space
 Using Spaces in Unique Ways
- Poor Food Options
- Need More Seating for Dining
- Reduced Student Visitation
 Students going elsewhere
- Inadequate Facilities & Quality of Service
- Student Life Facilities are often compared to an office building







'I'm worried about Jenkins. He went in three days ago and hasn't come out.'

OKLAHOMA STATE UNIVERSITY #1 - Determine the objectives at the onset

- Improve student access to Campus Life facilities
- Improve quality of Dining Services and operations
- Enhance and improve functional and financial operations of Bookstore
- Evaluate current Student Union Business model and develop strategies to sustain the economic engine in the future
- Ensure the role of the Union on the campus embraces the tradition of the past and looks forward to the future as a valuable contributor to Campus Life.
- Improve aging building and its mechanical systems









ARCHITECT'S VIEWPOINT #2 EXAMINE THE EXISTING FACILITY & CONDITIONS

AGING BUILDINGS



ANAOSS





ARCHITECT'S VIEWPOINT #2 EXAMINE THE EXISTING FACILITY & CONDITIONS CRAMPED SPACE







ARCHITECT'S VIEWPOINT #2 EXAMINE THE EXISTING FACILITY & CONDITIONS

NEW TECHNOLOGY









ARCHITECT'S VIEWPOINT #2 EXAMINE THE EXISTING FACILITY & CONDITIONS

- Existing Conditions Analysis Operational / Physical Environment
- Plan for the Future (The 10/15/20 Rule)
- Develop a Building Program
- > What's Missing from your Union
- > What have you always wanted to do.









ARCHITECT'S VIEWPOINT #3 EXPLORE MULTIPLE OPTIONS AND STRATEGIES IN THE BEGINNING

- "Measure Twice and Cut Once"
- Testing the Options
- Don't Short Change the process









ARCHITECT'S VIEWPOINT #3 EXPLORE MULTIPLE OPTIONS AND STRATEGIES IN THE BEGINNING

- Buildings Evaluations and Context
- Establish Priorities for Building Improvements
- Establish Priorities for Site Development
- Establish Entrance Locations
- Address Parking/Pedestrian Traffic
- Determine Phasing Options
- Develop Project Cost Estimates









ARCHITECT'S VIEWPOINT #4 MEASURE YOUR NEEDS AGAINST ALL THE WANTS

- ➢ Keep it in Check
- Prioritize At The Beginning
- Organize, Organize, Organize

<section-header>

Room Diagrams



RAILSFORD & DUNLAVEY

Room Characteristics

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ARCHITECT'S VIEWPOINT #5 - IS IT UNDERSTANDABLE TO THOSE AROUND YOU?

- ➢ Is the Message Clear & Concise
- Executive Summary
- Data to Back it Up







ARCHITECT'S VIEWPOINT #6 EXPLORE EXTRODINARY OPPORTUNITIES

- Campus Partners
- Other Upcoming Campus Projects
- Campus Neighbors
- University Initiatives
 (Diversity / Career Services)
- A Chance to Provide New Services







ARCHITECT'S VIEWPOINT #6 EXPLORE EXTRODINARY OPPORTUNITIES - PARTNERS

Physically Shared Architecture- Advantages

- Common space beyond the scope of a single university program
- Common programs enhanced content and activities
- Greater campus appeal
- Common operations and maintenance
- ➤ Greater access to funding
- Economy of Construction









ARCHITECT'S VIEWPOINT #6 EXPLORE EXTRODINARY OPPORTUNITIES - PARTNERS

- Can your Union serve the student life community better through partnering?
- Who would be the target audience/recipient of any service or programs?
- How is your union currently responding to these needs/issues?
- Who in your campus is responding to these needs/issues in a successful way?
- Does your union share similar goals or a mission with potential partners?
- Does your union share a challenge or obstacle with potential partners?







> There is truth in the saying . . .

"A PICTURE IS WORTH A THOUSAND WORDS."

































🛷 BRAILSFORD & DUNLAVEY

CILLO









Texas Tech University Case Study

- Budget: Less than \$5,000.
 - Handouts
 - Posters
- Framing the Campaign -"its up to us"
- Active Student Involvement
 - Presentations
 - Distributing Handouts





University Center expansion/remodeling will include:

- An additional 120,000 sq. ft. of building space
- Remodeling of most of existing building
- New Student Organization Office spaces
- Expanded food service seating
- More fast food options
- Relocation of TTU Bookstore into UC
- New computer lab, up to 60 computers/printers
- New, larger locations for retail vendors
- Spaces for up to four new retail vendors
- Remodeling of all 2nd floor meeting rooms
- Create four new meeting rooms on 2nd floor
- New lounge and casual areas throughout building
- ... and much more!

Call The Student Government Association (742-3631) Or UC Main Office (742-3636) For More Information Or Schedule Of Presentations On The Project.

It's up to us Recent surveys completed by the students of Texas Tech have indicated the need for changes in the current The proposed expansion and renovation is in response to those needs. A wider variety of food choices expanded gathering and lounge areas, and student organization office spaces topped the list. On October 12th you will have an opportunity to determine the future of your student center. Should the referendum pass, the increase of \$58 per semester will fund the project. The new fee will not he collected until the fall of

facility.





University of Missouri Columbia Case Study

Budget: more than \$50,000.-Started with NO Budget

Framing the Campaign

 Seating and Dining Spaces
 More Food
 Lounge Space







- 1. Posters
- 2. Hand-Outs
- 3. T-Shirts
- 4. Newspaper (campus and local)
- 5. Banners
- 6. Midnight B-B-Q and Band
- 7. Blood Drives
- 8. Informational Sessions
- 9. Meet the Architects
- 10. Model Displays







THE REFERENDUM

- Getting Students Motivated
- Students Need to Have a Voice
- Student Turnout
- Dealing with Adversity







ARCHITECT'S VIEWPOINT #8 QUALITY, QUANTITY AND COST

- Determine the project you need and want.
- Balance
- Campus Standards Exterior
- Campus Standards Interior
- Building Services
- ➤ Image for Many Years to Come







ARCHITECT'S VIEWPOINT #8 QUALITY, QUANTITY AND COST

Delaware State University Wellness Center and Student Cente Dover, Delaware		Base	SCENAF	Element					HOLZMA	N MOSS
Student Center Program D	Qty	Area NSF	Total NSF	Cost/SF	С	ost		ities		5/31/2006
								Cost	Remarks	Existing Total NSF
100 Social Spaces										
Lounges	1	10	10							
Electronic Information Board	10	24	240					\$1,700		
E-Mail Stations		2 000	2 000					\$40,800		
Active Lounge		500	500	* *				\$855,000		
Study Lounge/Quiet Area		500	500	\$170		- \$1	,700	\$95,000		
Spiritual Center		500	500					\$85,500		<u> </u>
	1	450	450	\$170 Ş		\$40	,800	1,173,000		
200 Food Service			3,700	C400		000	000			
Vending				\$190		280	,000	¢15 200		
"The Club" (Grill/Dance/Games)				C100		COF	000	\$15,300		
Kitchen				\$190		222	,000	\$172,000		
Seating	1	90	90	C400		COF	000	\$570,000		
Billiards/Video/Pinball/DDR/				\$190		280	,000	\$385,000	Playstation/X-Box	
Service Counter	1	800	800	C100		COF	EOO	\$64,500		
Seating	100	30	3,000	\$190		202	,500	\$114,000		
	1	2.200	2,200		1000			1,320,800		
300 Retail Services					\$6	198,	000			
	1	300	300							
Student Mail Services	20	30	600	2140 211	4.000 000	900	\$190	\$171.000	3 500 Boyes	
Package/Mail Room			6 990	\$1.320	800 300	300	\$170	\$51,000	5,500 DOXES	
Mailroom Office			0,990	\$1,520	120	120	\$170	\$20,400		

HOLZMAN MC ARCHITECTURE



ARCHITECT'S VIEWPOINT #9 PROTECT YOU BUDGET

Escalation, Escalation, Escalation
Global Factors and the Impact on YOUR Project.







ARCHITECT'S VIEWPOINT #9 PROTECT YOU BUDGET

ARCHITECTURE



ARCHITECT'S VIEWPOINT #10 - STAY OR GO

Are you going to Stay or Go

Planning the construction and impact to your Services







ARCHITECT'S VIEWPOINT #10 - STAY OR GO







HOLZMAN MOSS Architecture



ARCHITECT'S VIEWPOINT #11 - A CHANCE BE ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE.

Facility for next 20 yearsA Message to your constituents

OIL-GUZZLING NATIONS

Although rising demand in developing countries such as China and India is often blamed for driving up oil prices, the United States is still by far the world's biggest user swallowing up over one quarter of total world output.







ARCHITECT'S VIEWPOINT #11 - A CHANCE BE ENVIRONMENTALLY AND SOCIALLY RESPONSIBLE.

> OCCUPANT HEALTH

Quality Indoor Environments improve working and learning.

EDUCATIONAL

Providing learning Environments within the building

> ENVIRONMENTAL

Reducing pollution and protecting the ecosystem.

ECONOMIC

Creating long-term operational and maintenance savings.

> PUBLIC RELATIONS

Sending a positive message to students, alumni, and the community about sustainability commitment.













Holzman Moss Architecture – Student Life Experience















































Questions and Answers







PLANNING A CAPITAL PROJECT: 10 Steps for Getting Renovation, Additions or Expansions on the Right Track

For a copy of this presentation, please leave your business card or contact information.

