



Meeting the Training Needs of County Manufacturers

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Manufacturing in McHenry County

- Manufacturing Demographics
 - Manufacturing is the largest economic sector in the county
 - Manufacturing is the 2nd largest employer in the county
 - Approximately 600 small and large manufacturers
 - 16% of all workers are in manufacturing
 - Employs approximately 19,000 workers
- Manufacturers' Employment Challenges
 - Lack of talent pipeline
 - Lack of training space
 - Skills gap (Unemployed)

Timeline

- **Summer 2011:** Manufacturing Training Meeting
- **Fall 2011:** Manufacturing Summits (Applied TAA Grant 1)
- **Spring 2012:** Manufacturing Training Center Concept
- **Fall 2012:** Awarded TAA Grant 2 (Manufacturing/Robotics)
- **Spring 2013:** Grant Implementation
 - Staffing
 - Equipment purchase
 - Program development
 - Expected enrollment
- **Summer 2013:** Grant requires offering classroom courses
- **Fall 2013:** Grant requires offering laboratory courses

Space Requirements

- 4,000 – 5,000 square feet
- Minimum 100 mbps connection
- 3 phase, 600 amp circuits/drops
- Reinforced concrete flooring
- Compressed air drops
- Minimum 14 foot ceilings
- HVAC

Space Solution Options

- Options investigated – Determined not workable
 - Existing county buildings (TAA Grant 1)
 - Partnerships with county manufacturers
 - Partnership with District 155
- Options investigated – Determined workable
 - Offsite Woodstock location
 - On-campus placement

Funding Mechanism

- Equipment, staffing and some remodeling covered by grant funding
- Remaining capital cost would come from Fund 3
- This fund is used to account for monies restricted for building purposes and site acquisition
- Board requested an annual transfer of \$2,500,000 from Operating Funds in order to accumulate funds for growth
- Current Fund 3 balance as of March 31, 2013 is approximately \$11.8 million

Offsite Woodstock Option

- Cost to Build-out Approximately \$250,000
 - IT Infrastructure
 - Electrical Infrastructure
 - Compressed Air Installation
 - Classroom
 - HVAC
- Average Yearly IT Communication Cost = \$36,000 per year
- Lease Costs = \$30,000 per year

Offsite Woodstock Option

Five year Cost of Lease		
Build-out Costs		\$250,000
Lease/IT (5 yrs. x \$66,000)		\$330,000
	5 year cost	\$580,000
Tuition Revenue (est.)		\$131,850
Cost Less Tuition Revenue		\$448,150

On-Campus

- Building D Room D167
- Designed for manufacturing programs
- Meets all program and space requirements
- Eliminate need for major offsite build-out
- IT infrastructure is already in place
- Utilize existing classrooms (reduces square footage needs)
- Connects manufacturing curriculum with student success initiatives/services

On-Campus

- Automotive Engines Lab (No longer affected)
- Renovate Two Classrooms (D152 and D154)
 - Develop a computer/general classroom
 - Develop a robotics laboratory
 - Makes available current robotics classroom/laboratory
 - Prepare for future grants
- Require Relocation of Black Box Theater
 - Auditorium (Luecht Conference Center)
 - Music area

Theater Requirements

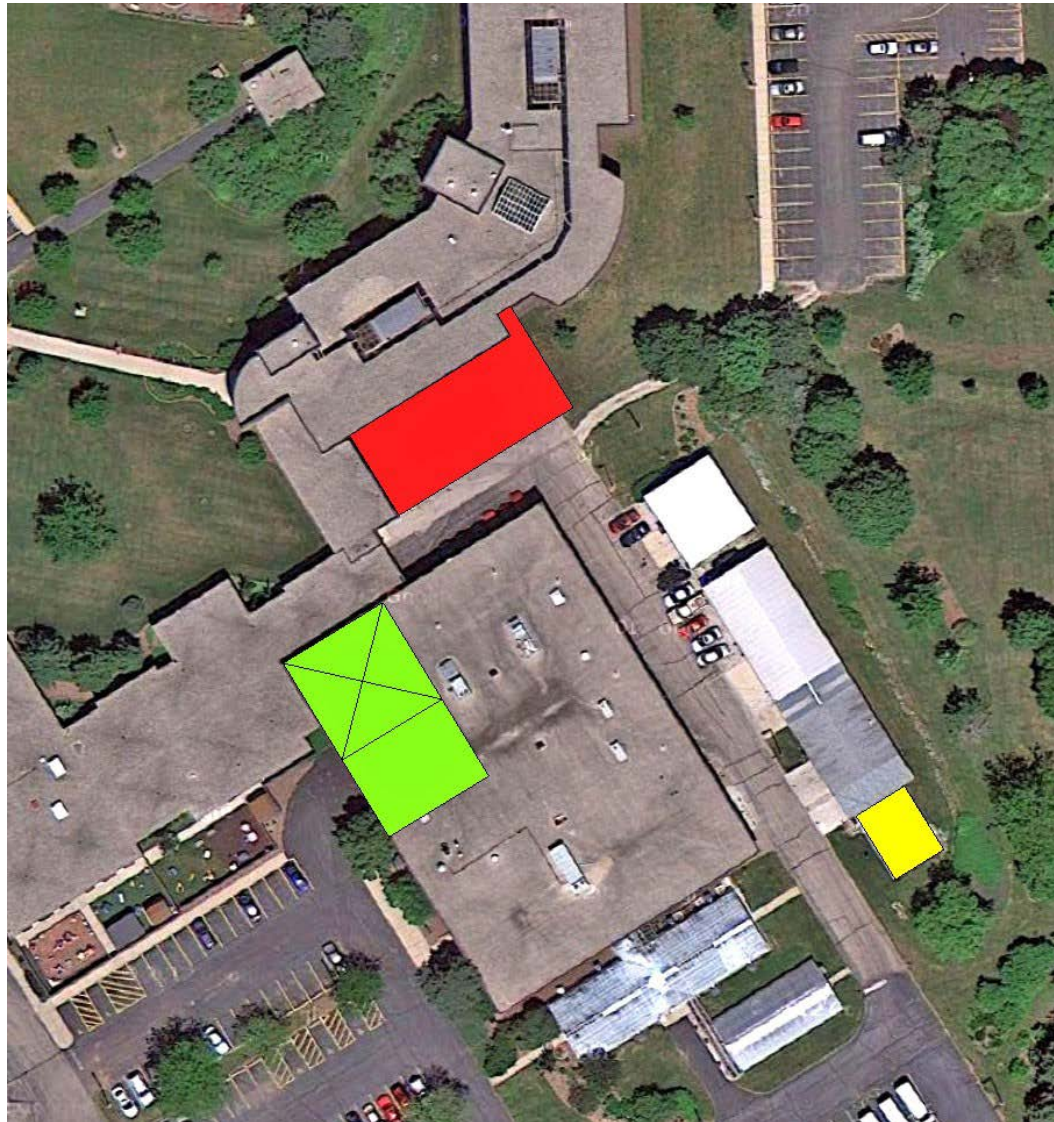
- Performance space - 1,500 square feet
- Storage space - 1,100 square feet
- 20 foot ceiling height
- Audience seating for 100
- Lighting and sound technical booth
- Electrical dimmer system
- Garage door inside and out
- Two dressing rooms
- Audience and backstage entrance

Theater Requirements

- Storage Space
 - Furniture/Props
 - Platforms/Costumes
- Equipment/Tool Room
 - Lighting/Cables
 - Tools/Chairs
- Back Stage Space
- Green Room

Three On-Campus Options

- On-Campus Option 1 (Theater and 3 classrooms)
- On-Campus Option 2 (Theater Only)
- On-Campus Option 3 (Modular Space)



On-Campus Option 1 (Theater and 3 general purpose classroom additions)

Five Year Cost of Ownership	
Building Costs	\$ 1,973,902
Tuition Profit (est.)*	\$ 900,720
Total Cost Over 5 Years	\$ 1,073,182

On-Campus Option 1 (Tuition Assumptions)

- Conservative revenue projections
- Revenue based on offering classes in 3 general classrooms, Monday and Wednesday only during prime time
 - 9:30 – 10:45 a.m.
 - 11:00 a.m. – 12:15 p.m.
 - 12:30 – 1:45 p.m.
 - 1 Night Class
 - 1 Friday Class
 - 2 Summer Classes
- Maximum enrollment would include Tuesday and Thursday classes during prime time
- Tuesday and Thursday classes would generate an additional \$600,480

On-Campus Option 1 (Theater and 3 general purpose classroom additional enrollment revenue projections)

Five Year Cost of Ownership	
Building Costs	\$ 1,973,902
Tuition Profit (est.)	\$ 1,501,200
Total Cost Over 5 Years	\$ 472,702

On-Campus Option 2 (Theater Only)

Five Year Cost of Ownership	
Building Costs (no new revenue)	\$ 1,100,000
Total Cost Over 5 Years	\$ 1,100,000

On-Campus Option 3 (Modular Space)

Five Year Cost of Ownership	
Building Costs (no new revenue)	\$ 480,000.00
Total Cost Over 5 Years	\$ 480,000.00

Summary

	Total 5 year Cost
Off-Site Woodstock Center	\$ 433,900
On-Campus Option 1 (Theater and 3 classrooms updated revenue projections)	\$ 472,702
On-Campus Option 2 (Theater)	\$1,100,000
On-Campus Option 3 (Modular Space)	\$ 480,000

Summary

- Manufacturing is 16% of McHenry County's Workforce
- Manufacturers struggling to develop skilled workforce
- Began journey interacting with manufacturers in Summer 2011
- Sought and received grants to help train district residents for modern manufacturing
- Now time to identify space to provide manufacturing training

Questions???

Theatre Revenue

Class	Students	Tuition	Cr hrs	Revenue	Instructor Cost	
9:30-10:45	24	102	3	\$ 7,344.00	\$ 2,340.00	\$ 5,004.00
11:00-12:15	24	102	3	\$ 7,344.00	\$ 2,340.00	\$ 5,004.00
12:30-1:45	24	102	3	\$ 7,344.00	\$ 2,340.00	\$ 5,004.00
Night Class	24	102	3	\$ 7,344.00	\$ 2,340.00	\$ 5,004.00
Friday Class	24	102	3	\$ 7,344.00	\$ 2,340.00	\$ 5,004.00
				Total Semester Rev	Total Ins Cost per Semester	
				\$ 36,720.00	\$ 11,700.00	\$ 25,020.00
				Per Semester Profit per classroom	\$ 25,020.00	
				Per Semester Profit for 3 classrooms	\$ 75,060.00	
				Profit for fall and Spring Semester	\$ 150,120.00	
				Summer Profit(2 Classes per room)	\$ 30,024.00	
				Total Yearly Profit(Fall/Spring/Summer)	\$ 180,144.00	
				Five year profit(M/W,Night, Fri, Summer)	\$ 900,720.00	
				Five Year Profit(Including Tues/Thur)	\$ 600,480.00	
					\$ 1,501,200.00	

Manufacturing Center Tuition

Class	Students	Tuition	Cr hrs	Revenue	Instructor Cost
9:30-10:45	15	102	3	\$ 4,590.00	\$ 2,340.00
11:00-12:15	15	102	3	\$ 4,590.00	\$ 2,340.00
12:30-1:45	15	102	3	\$ 4,590.00	\$ 2,340.00
Night Class	15	102	3	\$ 4,590.00	\$ 2,340.00
Friday Class	15	102	3	\$ 4,590.00	\$ 2,340.00
				Total Semester Rev	Total Ins Cost per Semester
				\$ 22,950.00	\$ 11,700.00
				Per Semester Profit	\$ 11,250.00
				Profit for fall and Spring Semester	\$ 22,500.00
				Summer Profit(2 Classes)	\$ 3,870.00
				Total Yearly Profit(Fall/Spring/Summer)	\$ 26,370.00
				Five year profit	\$ 131,850.00