



WESTERN MICHIGAN UNIVERSITY

Bronco Construction Research Center

Item Code	Description	Quantity	\$ Each	Amount
Staff Compensation				
Center Director	Director	1	\$72.84/hour	
Labor- Research Associate	R3 Research Associate	1	\$33.76/hour	
Labor- Carpenter	Carpenter/General Labor	1	\$30.00/hour	
Labor- Mechanical Engineer	\$30/hour	1	\$30.00/hour	
Student Worker	\$20/hour	1	\$20.00/hour	
Monotonic Wind Uplift				
			Academic Pricing	
8'x8' monotonic wind uplift	Static pressure (defined during project scope) held for "x" hours (defined during project scope) during scope	EA	\$3,350/each*	
½ day specimen assembly	Hourly rates (charged under Staff Compensation)			
½ day specimen disassembly	Hourly rates (charged under Staff Compensation)			
1-day test	Hourly rates (charged under Staff Compensation) + daily operating expenses			
Facility Operating Expenses (Daily)				
			Academic Pricing	
Facility Operating Expenses	Daily Rate	1	\$75.51/day	
Equipment Costs				
			Academic Pricing	
Equipment Costs (10-year depreciation)	Daily Rate	1	\$155.80/day	
TOTAL				

Above tests entail producing a data set and graphs, no analysis. Tests requiring machining, sample preparation, fixturing, or significant setup time will be charged by the hour at applicable rates plus materials costs. An estimate will be given upon receipt of samples

*specimen preparation and fixturing is additional via Staff Compensation + Facility Operating Expenses