

Cost Analysis for a Typical \$8 Million Construction Project
Projectmates v/s Hard Copy Submittals

Cost of Hardcopy Printing&Shipping (Scenario 1: No Resubmittals):	\$34,605
Cost of Hardcopy Printing&Shipping (Scenario 2: Typical Resubmittals):	\$54,650
Cost of Digital Printing&Shipping (Typical Resubmittals via Projectmates):	\$1,700
Digital Submittal Savings using Projectmates (Scenario 1: Typical Resubmittals)	\$52,950
Digital Submittal Savings using Projectmates (Scenario 2: No Resubmittals)	\$32,905

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CSI NUMBER	SPECIFICATION	SUBMITTALS	NUMBER OF SHEETS	NUMBER OF COPIES	8.5 x 11	30 x 42	TOTAL PRINTING COSTS	TO GENERAL CONTRACTOR	COPY TO ARCHITECT	TO ENGINEER	TO ARCHITECT	TO OWNER	BACK TO GENERAL CONTRACTOR	BACK TO SUBCONTRACTOR	COMBINED SHIPMENT	TOTAL SHIPPING OCCURRENCES	TOTAL SHIPPING COSTS	PERCENTAGE CHANCE OF RE-REVIEW	PRINTING/SHIPPING FOR ONE RE-REVIEW
	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	30	\$65	
	Shop Drawings	10	5		X	\$250	X			X		X	X	N	4	\$40	70	\$290	
	Standard & Certs	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90	
05510	Metal Stairs	Product Data	5	5	X		\$25	X		X	X		X	X	N	5	\$50	10	\$75
		Shop Drawings	5	5		X	\$125	X		X	X		X	X	N	5	\$50	50	\$175
05520	Handrails and Railings	Product Data	5	5	X		\$25	X		X			X	X	Y	4	\$40	10	\$65
		Shop Drawings	5	5		X	\$125	X			X	X		X	N	5	\$50	80	\$175
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
		Samples	0					X			X			X	X	N	4	\$40	10

DIVISION 6- WOOD AND PLASTICS

06114	Wood Blocking and Curbing	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
06200	Finish Carpentry	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	40	\$90
		Shop Drawings	5	5	X		\$25	X			X	X		X	N	5	\$50	80	\$75
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
		Samples	0					X			X	X		X	N	5	\$50	90	\$50
06411	Architectural Millwork	Product Data	30	5	X		\$150	X			X		X	X	Y	4	\$40	10	\$190
		Shop Drawings	15	5		X	\$375	X			X	X		X	N	5	\$500	90	\$875
		Standard & Certs	15	5	X		\$75	X			X		X	X	Y	4	\$40	20	\$115
		Samples	0					X			X	X		X	N	5	\$50	80	\$50

DIVISION 7- THERMAL & MOISTURE PROTECTION

07110	Sheet-Applied Waterproofing	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Samples	0					X			X		X	X	Y	0	\$0	20	\$0
07162	Self-Adhesive Underlayment	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
07213	Batt Insulation	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
07241	Exterior Insulation and Finish System	Product Data	30	5	X		\$150	X			X		X	X	Y	4	\$40	40	\$190
		Standard & Certs	15	5	X		\$75	X			X		X	X	Y	0	\$0	50	\$75
		Samples	0					X			X		X	X	N	5	\$50	80	\$50
07270	Weather Resistant Membranes	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
07421	Composite Metal Building Panels	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	20	\$140
		Shop Drawings	40	5		X	\$1,000	X			X	X		X	N	5	\$500	80	\$1,500
		Standard & Certs	10	5	X		\$50	X			X		X	X	Y	0	\$0	20	\$50
		Samples	0					X			X	X		X	N	5	\$50	30	\$50
07462	Wood Board Siding and Trim	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	20	\$140
		Shop Drawings	5	5	X		\$25	X			X		X	X	N	4	\$40	60	\$65

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		Standard & Certs Samples	10	5	X		\$50	X			X		X	X	Y	0	\$0	20	\$50
			0					X			X	X	X	X	N	5	\$50	90	\$50
07531	Elastomeric Sheet Roofing	Product Data	40	5	X		\$200	X			X		X	X	Y	4	\$40	60	\$240
		Shop Drawings	5	5		X	\$125	X			X		X	X	N	4	\$40	30	\$165
		Standard & Certs Samples	30	5	X		\$150	X			X		X	X	Y	0	\$0	30	\$150
			0					X			X		X	X	Y	0	\$0	20	\$0
07620	Sheet Metal Flashing and Trim	Product Data	30	5	X		\$150	X			X		X	X	Y	4	\$40	20	\$190
		Shop Drawings	5	5	X		\$25	X			X		X	X	N	4	\$40	80	\$65
		Standard & Certs Samples	20	5	X		\$100	X			X		X	X	Y	0	\$0	30	\$100
			0					X			X	X	X	X	N	5	\$50	20	\$50
07724	Roof Hatches & Access Ladders	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
07840	Firestopping	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
07900	Joint Sealers	Product Data	20	5	X		\$100	X			X		X	X	Y	0	\$0	20	\$100
		Standard & Certs Samples	5	5	X		\$25	X			X		X	X	Y	4	\$40	20	\$65
			0					X			X	X	X	X	N	5	\$50	40	\$50

DIVISION 8- DOORS AND WINDOWS

08111	Standard Steel Doors	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	20	\$140
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Standard & Certs	10	5	X		\$50	X			X		X	X	Y	0	\$0	10	\$50
08112	Standard Steel Frames	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Standard & Certs	10	5	X		\$50	X			X		X	X	Y	0	\$0	10	\$50
08211	Flush Wood Doors	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	20	\$65
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Standard Certificates	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
08212	Stile and Rail Wood Doors	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	20	\$65
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
08305	Access Doors	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
08410	Aluminum Entrances and Storefronts	Product Data	30	5	X		\$150	X			X		X	X	Y	4	\$40	40	\$190
		Shop Drawings	10	5		X	\$250	X			X		X	X	N	4	\$400	90	\$650
		Standard & Certs	20	5	X		\$100	X			X		X	X	Y	0	\$0	10	\$100
		Samples	0					X			X	X	X	X	N	5	\$50	20	\$50
		Calcs	20	5	X		\$100	X		X	X		X	X	N	5	\$50	20	\$150
08710	Door Hardware	Product Data	90	5	X		\$450	X			X		X	X	Y	4	\$40	80	\$490
		Standard & Certs	20	5	X		\$100	X			X		X	X	Y	0	\$0	20	\$100
08800	Glazing	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	60	\$140
		Standard & Certs	15	5	X		\$75	X			X		X	X	Y	4	\$40	30	\$115
		Samples	0					X			X	X	X	X	N	5	\$500	60	\$500

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		Shop Drawings	40	5		X	\$1,000	X			X	X	X	X	N	5	\$1,000	90	\$2,000
		Standard & Certs	40	5	X		\$200	X			X		X	X	Y	4	\$40	20	\$240
		Samples	0					X			X	X	X	X	N	5	\$50	40	\$50
		Calcs	80	5	X		\$400	X		X	X		X	X	N	5	\$50	20	\$450

DIVISION 9- FINISHES

09212	Glass Fiber Reinforced Gypsum	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	80	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
		Samples	0					X			X		X	X	N	4	\$40	10	\$40
09250	Glass-Matt Face Exterior Sheathing	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
09260	Gypsum Board Systems	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
09270	Shaft Enclosure Systems	Product Data	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
09306	Floor Tile	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	30	\$65
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
		Samples	0					X			X		X	X	N	4	\$40	20	\$40
09307	Wall Tile	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	30	\$65
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
		Samples	0					X			X		X	X	N	4	\$40	20	\$40
09511	Suspended Acoustical Ceilings	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
		Samples	0					X			X		X	X	Y	0	\$0	10	\$0
09558	Hardwood Flooring - Nailed	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Standard & Certs	10	5	X		\$50	X			X		X	X	Y	0	\$0	10	\$50
		Samples	0					X			X	X	X	N	5	\$50	10	\$50	
09650	Resilient Flooring	Product Data	10	5	X		\$50	X			X		X	X	Y	0	\$0	10	\$50
		Samples	0					X			X		X	X	Y	4	\$40	10	\$40
09686	Carpet with Separate Cushion	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
		Samples	0					X			X		X	X	Y	0	\$0	10	\$0
09900	Painting	Product Data	60	5	X		\$300	X			X		X	X	Y	4	\$40	20	\$340
		Standard & Certs	15	5	X		\$75	X			X		X	X	Y	0	\$0	20	\$75
		Samples	0					X			X		X	X	N	5	\$50	40	\$50
09955	Vinyl Coated Fabric Wall Covering	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90
		Samples	0					X			X		X	X	Y	0	\$0	10	\$0
09980	Sanitary Wall and Ceiling Panels	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	10	\$90
		Samples	0					X			X	X	X	X	Y	0	\$0	10	\$0

DIVISION 10- SPECIALITIES

10160	Metal Toilet Compartments	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	30	\$140
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		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	30	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Samples	0				X				X		X	X	Y	0	\$0	40	\$0
10440	Building Signs	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	60	\$90
		Shop Drawings	5	5	X		\$25	X			X	X	X	X	N	5	\$50	80	\$75
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	40	\$25
10441	Plastic Signs	Product Data	10	5	X		\$50	X			X		X	X	Y	0	\$0	20	\$50
		Shop Drawings	5	5	X		\$25	X			X	X	X	X	N	5	\$50	30	\$75
		Standard & Certs	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Samples	0				X				X	X	X	X	N	5	\$50	50	\$50
10522	Fire Extinguishers	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	50	\$140
		Shop Drawings	5	5		X	\$125	X			X		X	X	Y	0	\$0	40	\$125
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
10800	Toilet and Bath Accessories	Product Data	40	5	X		\$200	X			X		X	X	Y	4	\$40	80	\$240
		Standard & Certs	10	5	X		\$50	X			X		X	X	Y	0	\$0	10	\$50
DIVISION 11- EQUIPMENT																			
11161	Dock Lift	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	20	\$90
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	70	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
11451	Kitchen Equipment	Product Data	10	5	X		\$50	X			X		X	X	Y	4	\$40	60	\$90
DIVISION 12- FURNISHINGS																			
12692	Floor Mats	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	10	\$65
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	50	\$25
DIVISION 14- CONVEYING SYSTEMS																			
14246	Passenger/Service Elevators	Product Data	20	5	X		\$100	X			X		X	X	Y	4	\$40	60	\$140
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	80	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Calcs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
14310	Escalators	Product Data	5	5	X		\$25	X			X		X	X	Y	4	\$40	60	\$65
		Shop Drawings	5	5	X		\$25	X			X		X	X	Y	0	\$0	80	\$25
		Standard & Certs	5	5	X		\$25	X			X		X	X	Y	0	\$0	20	\$25
		Calcs	5	5	X		\$25	X			X		X	X	Y	0	\$0	10	\$25
DIVISION 15- MECHANICAL																			
HVAC		Product Data	100	5	X		\$500	X		X	X	X	X	X	Y	6	\$60	90	\$560
		Shop Drawings	5	5		X	\$125	X	X	X	X		X	X	N	6	\$600	90	\$725
		Standard & Certs	80	5	X		\$400	X		X	X		X	X	Y	0	\$0	20	\$400

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PLUMBING		Product Data	100	5	X		\$500	X		X	X		X	X	N	5	\$50	80	\$550				
		Standard & Certs	80	5	X		\$400	X		X	X		X	X	N	5	\$50	20	\$450				
FIRE PROTECTION		Product Data	100	5	X		\$500	X		X	X		X	X	Y	5	\$50	80	\$550				
		Shop Drawings	5	5		X	\$125	X	X	X	X		X	X	N	6	\$600	90	\$725				
		Standard & Certs	70	5	X		\$350	X		X	X		X	X	Y	0	\$0	10	\$350				
		Calcs	200	5	X		\$1,000	X		X	X		X	X	N	5	\$50	10	\$1,050				
DIVISION 16- ELECTRICAL																							
ELECTRICAL		Product Data	100	5	X		\$500	X		X	X		X	X	N	5	\$50	80	\$550				
		Standard & Certs	80	5	X		\$400	X		X	X		X	X	N	5	\$50	20	\$450				
FIRE ALARM		Product Data	100	5	X		\$500	X		X	X		X	X	Y	5	\$50	30	\$550				
		Shop Drawings	6	5		X	\$150	X	X	X	X		X	X	N	6	\$60	50	\$210				
		Standard & Certs	80	5	X		\$400	X		X	X		X	X	Y	0	\$0	20	\$400				
Total Printing:							\$24,175														Total Shipping:	\$10,430	\$20,045

Cost of Hardcopy Printing&Shipping (Scenario 1: No Resubmittals): \$34,605

Cost of Hardcopy Printing&Shipping (Scenario 2: Typical Resubmittals): \$54,650

Cost of Digital Printing&Shipping (Typical Resubmittals via Projectmates): \$1,700

Digital Submittal Savings using Projectmates (Scenario 1: Typical Resubmittals) \$52,950

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