Estimated Project Costs.

PROJECT TASKS	LABOR HOURS	LABOR COST ($)	MATERIAL COST ($)	TRAVEL COST ($)	OTHER COST ($)	TOTAL PER TASK
PROJECT DESIGN						
Develop Functional Specifications	14.4	720	300	120	60	1200
Develop System Architecture	21.6	1080	450	180	90	1800
Develop Preliminary Design Specification	14.4	720	300	120	60	1200
Develop Detailed Design Specifications	18	900	375	150	75	1500
Develop Acceptance Test Plan	18	900	375	150	75	1500
Subtotal	86.4	$4,320.00	$1,800.00	$720.00	$360.00	$7,286.40
PROJECT DEVELOPMENT						
Develop Components	360	18000	7500	3000	1500	$30,360.00
Procure Software	216	10800	4500	1800	900	$18,216.00
Procure Hardware	216	10800	4500	1800	900	$18,216.00
Development Acceptance Test Package	180	9000	3750	1500	750	$15,180.00
Perform Unit/Integration Test	204	10200	4250	1700	850	$17,204.00
Subtotal	1,176.0	$58,800.00	$24,500.00	$9,800.00	$4,900.00	$99,176.00
PROJECT DELIVERY						
Install System	96	4800	2000	800	400	$8,096.00
Train Customers	72	3600	1500	600	300	$6,072.00
Perform Acceptance Test	96	4800	2000	800	400	$8,096.00
Perform Post Project Review	60	3000	1250	500	250	$5,060.00
Provide Warranty Support	84	4200	1750	700	350	$7,084.00
Archive Materials	55.2	2760	1150	460	230	$4,655.20
Subtotal	463.2	$23,160.00	$9,650.00	$3,860.00	$1,930.00	$39,063.20
PROJECT MANAGEMENT						
Customer Progress Meetings/Reports	55.2	2760	1150	460	230	$4,655.20
Internal Status Meetings/Reports	45.6	2280	950	380	190	$3,845.60
Third-Party Vendor Interface	55.2	2760	1150	460	230	$4,655.20
Interface to Other Internal Departments	45.6	2280	950	380	190	$3,845.60
Configuration Management	60	3000	1250	500	250	$5,060.00
Quality Assurance	60	3000	1250	500	250	$5,060.00
Overall Project Management	69.6	3480	1450	580	290	$5,869.60
Subtotal	391.2	$19,560.00	$8,150.00	$3,260.00	$1,630.00	$32,991.20
OTHER COST						
Software Licensing	4	200	200	0	100	$504.00
External Consulting	10.0	$500.00	$0.00	$300.00	$200.00	$1,010.00
Subtotal	14.0	$700.00	$200.00	$300.00	$300.00	$1,514.00

	LABOR HOURS	LABOR COST ($)	MATERIAL COST ($)	TRAVEL COST ($)	OTHER COST ($)	TOTAL PER TASK
Subtotals	2130.8	$106,540.00	$44,300.00	$17,940.00	$9,120.00	$180,030.80
Risk (Contingency)	83.28	4164	3470	3470	2776	$13,880.00
Total (Scheduled)	2214.1	$110,704.00	$47,770.00	$21,410.00	$11,896.00	$193,910.80

Develop Functional Specifications: Standard complexity
Develop System Architecture: High complexity
Develop Preliminary Design Specification: Standard complexity
Develop Detailed Design Specifications: Above average complexity
Develop Acceptance Test Plan: Above average complexity
* Labor Cost is higher for tasks with higher complexity due to the need for specialized skills or longer hours.

*Material Cost might be higher for tasks like "Develop System Architecture", "Procure Hardware" which might require advanced tools and aterials.

*Travel Cost could be higher for "Develop Detailed Design Specifications" as it might involve more stakeholder meetings, "Train Customers" might require us to visit clinical testing centers.

*Software Licensing:
*External Consulting: Engaging with external experts for specialized insights, which might involve some travel costs.

Actual Project Costs.

	ITEM	COST	DATE	REASON FOR EXPENDITURE
INSTALLATION	Install System	$8,800.00	10/2/2023	Additional technical challenges encountered.
	Train Customers	$5,400.00	10/5/2023	Utilized existing training materials.
	Perform Acceptance Test	$8,000.00	10/8/2023	On budget.
	Perform Post Project Review	$4,750.00	10/11/2023	Utilized virtual meetings to reduce travel costs.
	Provide Warranty Support	$7,000.00	10/13/2023	On budget.
	Achieve Materials	$4,830.00	10/15/2023	Additional storage needed for documentation.
	Subtotal	$38,780.00		

	ITEM	COST	DATE	REASON FOR EXPENDITURE
PLANNING (RFP)	Install System	$7,600.00	9/1/2023	Efficient installation protocols.
	Train Customers	$6,000.00	9/4/2023	On budget.
	Perform Acceptance Test	$8,000.00	9/7/2023	On budget.
	Perform Post Project Review	$5,250.00	9/10/2023	Additional analysis required.
	Provide Warranty Support	$7,350.00	9/13/2023	Additional technical support needed.
	Archive Materials	$4,600.00	9/15/2023	On budget.
	Subtotal	$38,800.00		

	ITEM	COST	DATE	REASON FOR EXPENDITURE
PLANNING 2	Install System	$8,000.00	9/16/2023	On budget.
	Train Customers	$6,300.00	9/18/2023	Additional training sessions required.
	Perform Acceptance Test	$7,600.00	9/20/2023	Streamlined testing processes.
	Perform Post Project Review	$5,000.00	9/24/2023	On budget.
	Provide Warranty Support	$7,350.00	9/27/2023	Additional support queries.
	Archive Materials	$4,600.00	9/30/2023	On budget.
	Subtotal	$38,850.00		

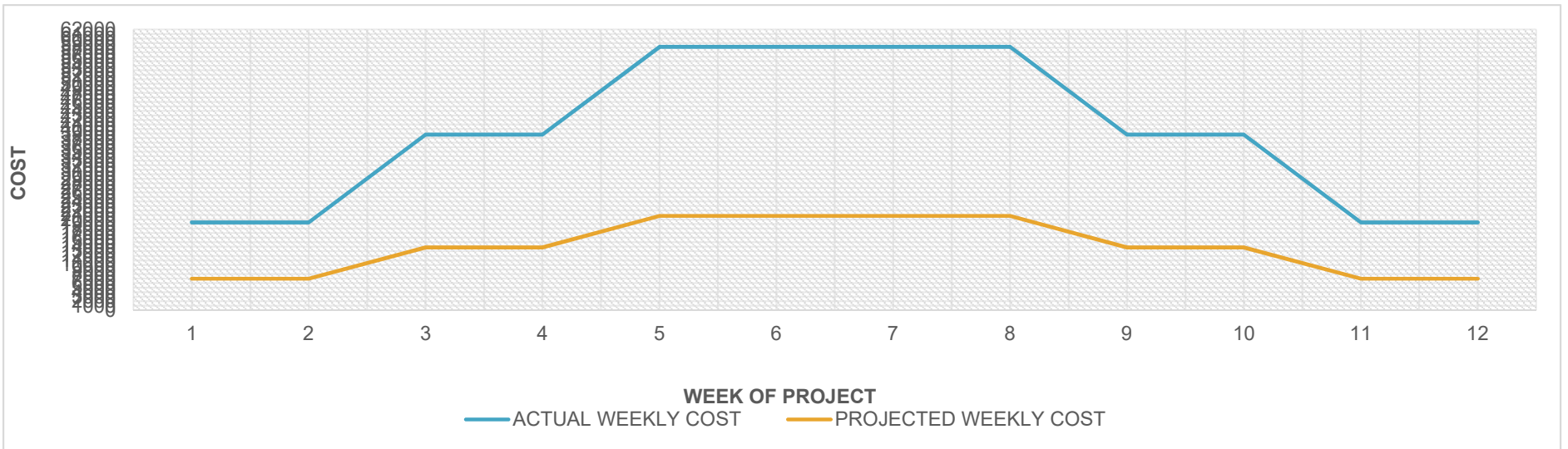|	ITEM	COST	DATE	REASON FOR EXPENDITURE
CONSTRUCTION	Install System	$8,400.00	10/17/2023	Additional hardware requirements.
	Train Customers	$5,700.00	10/21/2023	Utilized online training modules.
	Perform Acceptance Test	$8,000.00	10/26/2023	On budget.
	Perform Post Project Review	$5,000.00	10/1/2023	On budget.
	Provide Warranty Support	$7,350.00	11/8/2023	Unexpected system issues.
	Archive Materials	$4,600.00	11/15/2023	On budget.
	Subtotal	$39,050.00		

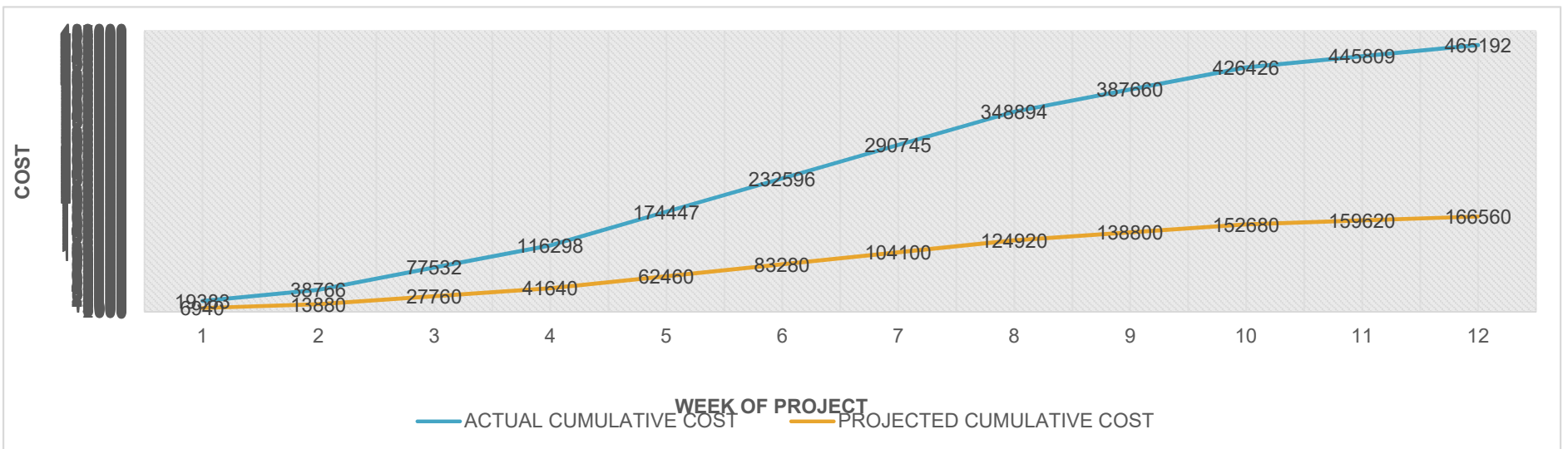|	ITEM	COST	DATE	REASON FOR EXPENDITURE
TEST & DELIVERY	Install System	$8,000.00	11/17/2023	On budget.
	Train Customers	$5,700.00	11/21/2023	Effective and efficient training methods.
	Perform Acceptance Test	$8,400.00	11/23/2023	Additional testing cycles needed.
	Perform Post Project Review	$5,000.00	11/26/2023	On budget.
	Provide Warranty Support	$6,650.00	11/30/2023	Fewer issues than anticipated.
	Archive Materials	$4,600.00	12/4/2023	On budget.
	Subtotal	$38,350.00		

PROJECT TOTAL	193830 USD

Projected vs. Actual Costs Diagram

MONTHLY COST

WEEK OF PROJECT

— ACTUAL WEEKLY COST   — PROJECTED WEEKLY COST

CUMULATIVE COST

ACTUAL CUMULATIVE COST: 19383, 38766, 77532, 116298, 174447, 232596, 290745, 348894, 387660, 426426, 445809, 465192

PROJECTED CUMULATIVE COST: 6940, 13880, 27760, 41640, 62460, 83280, 104100, 124920, 138800, 152680, 159620, 166560

WEEK OF PROJECT

— ACTUAL CUMULATIVE COST   — PROJECTED CUMULATIVE COST

Project Data Worksheet

WEEK	PROJECTED WEEKLY COST	ACTUAL WEEKLY COST	PROJECTED CUMULATIVE COST	ACTUAL CUMULATIVE COST
1	6940	19383	6940	19383
2	6940	19383	13880	38766
3	13880	38766	27760	77532
4	13880	38766	41640	116298
5	20820	58149	62460	174447
6	20820	58149	83280	232596
7	20820	58149	104100	290745
8	20820	58149	124920	348894
9	13880	38766	138800	387660
10	13880	38766	152680	426426
11	6940	19383	159620	445809
12	6940	19383	166560	465192

The "Projected Weekly Cost" is derived from the initially provided total project cost.

The "Actual Weekly Cost" is be derived from the actual costs we calculated earlier.

The "Projected Cumulative Cost" is the running total of the "Projected Weekly Cost".

The "Actual Cumulative Cost" is the running total of the "Actual Weekly Cost".

Weeks 1-2: 5% of the total cost each (start of the project)

Weeks 3-4: 10% of the total cost each (ramping up)

Weeks 5-8: 15% of the total cost each (peak of activity)

Weeks 9-10: 10% of the total cost each (ramping down)

Weeks 11-12: 5% of the total cost each (end of the project)