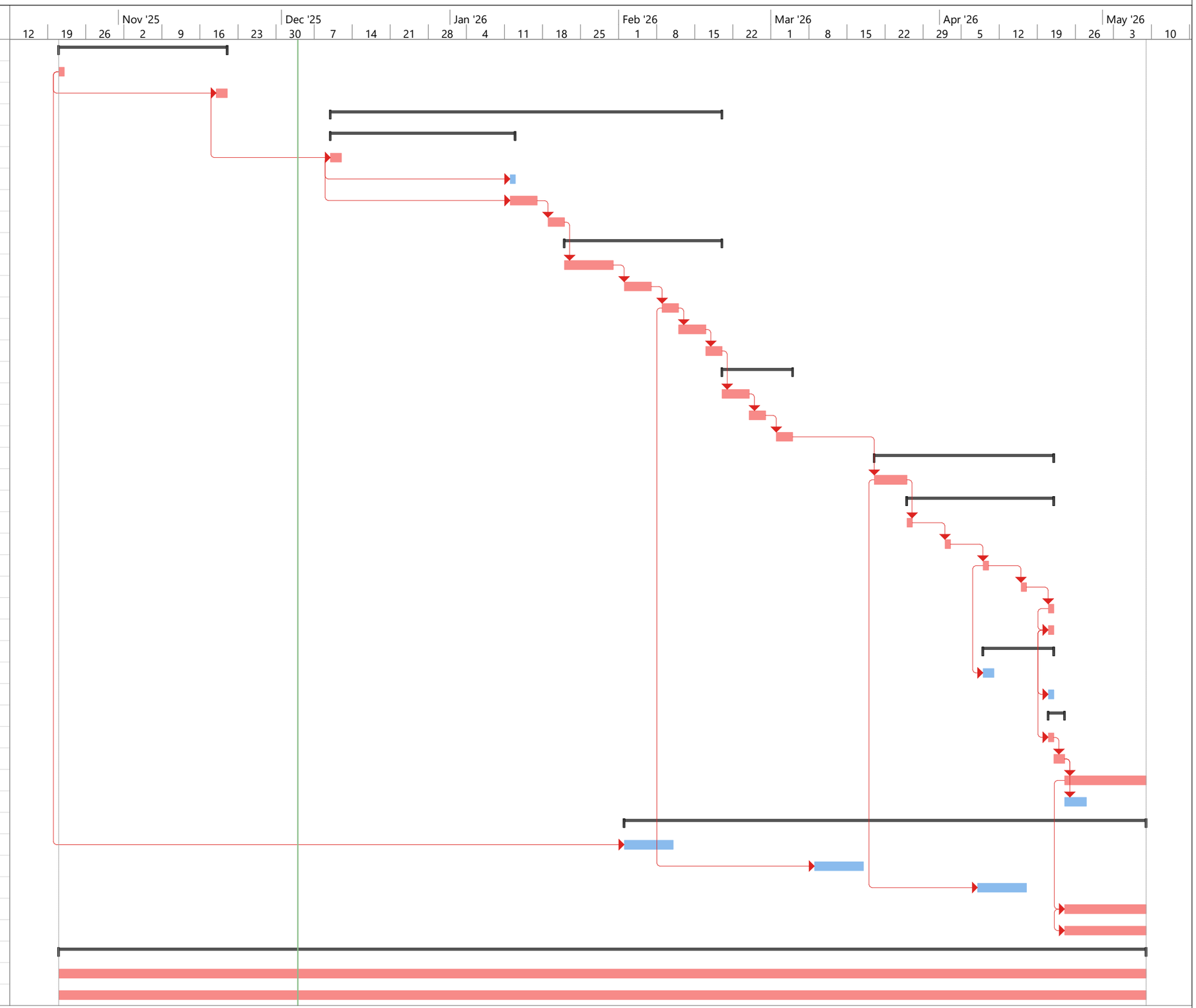
Beamline Structural Project Schedule Gantt Chart

ID	Task Name
1	**Task 1 Research & Preparation**
2	**Task 1.1 Technical Research**
3	**Task 1.2 Material Testing Plan**
4	**Task 2 Beam Analysis & Design**
5	**Task 2.1 Analysis of Load and Material**
6	Task 2.1.1 Calculate Beam Initial Conditions
7	Task 2.1.2 Select Concrete Mix for Design
8	**Task 2.2 Create Analysis Spreadsheet**
9	**Task 2.3 Design Decision Matrix**
10	**Task 2.4 Select Best Design**
11	Task 2.4.1 Determine Cross-Section Dimensions
12	Task 2.4.2 Design Prestressing Layout
13	Task 2.4.3 Refine Beam Dimensions
14	Task 2.4.4 Evaluate Performance Against Design Criteria
15	Task 2.4.5 Refinement of Final Beam Design
16	**Task 3 Engineering Shop Drawings**
17	**Task 3.1 Create Shop Drawings**
18	**Task 3.2 Internal Review**
19	**Task 3.3 External Review**
20	**Task 4 Fabrication & Engineer's Site Visit**
21	**Task 4.1 Beam Fabrication & Observation**
22	**Task 4.2 Cylinder Testing & Beam Predictions**
23	Task 4.2.1 One Day Test
24	Task 4.2.2 Seven Day Test
25	Task 4.2.3 Fourteen Day Test
26	Task 4.2.4 Twentyone Day Test
27	Task 4.2.5 Day of Testing Test
28	**Task 4.3 Final Beam Predictions**
29	**Task 5 Delivery & Setup**
30	**Task 5.1 Transportation**
31	**Task 5.2 Testing Preparation**
32	**Task 6 Beam Testing**
33	**Task 6.1 Load Testing on Beam**
34	**Task 6.2 Analyze Test Results**
35	**Task 7 Finalize Report & Submit to PCI**
36	**Task 8 Project Impacts**
37	**Task 9 Deliverables**
38	**Task 9.1 30% Project Progress Report**
39	**Task 9.2 60% Project Progress Report**
40	**Task 9.3 90% Project Progress Report**
41	**Task 9.4 Final Presentation**
42	**Task 9.5 Final Project Report**
43	**Task 10 Project Management**
44	**Task 10.1 Meetings**
45	**Task 10.2 Tracking Project Progress**