

ID	WBS	Task Name	Duration	Start	Finish	Predecessors	RC3 Task Number	Timeline (Half 2, 2024 to Half 2, 2031)											
1	1	LCTM Program	80.27 mons	Tue 12/24/24	Tue 9/30/31			[Timeline bar]											
2	1.1	Task 1-Process for Substantially Lower Embodied Carbon	78 mons	Tue 12/24/24	Tue 7/22/31		1.0	[Timeline bar]											
3	1.1.1	1.1 Develop Task 1 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		1.1	[Timeline bar]											
4	1.1.2	1.2 Identify eligible LCTMs, training needs, data needs, and specification review	18 mons	Tue 12/24/24	Tue 6/30/26	355	1.2	[Timeline bar]											
5	1.1.3	1.3 Stakeholder outreach	18 mons	Tue 12/24/24	Tue 6/30/26	355	1.3	[Timeline bar]											
6	1.1.4	1.4 Development of a process to collect and store EPDs	24 mons	Wed 3/26/25	Fri 4/2/27	355+3 mons	1.4	[Timeline bar]											
7	1.1.5	1.5 Identification of local or regional embodied carbon thresholds	36 mons	Wed 3/26/25	Thu 4/6/28	355+3 mons	1.5	[Timeline bar]											
8	1.1.6	1.6 Conduct Task 1 LCTM training	72 mons	Thu 6/26/25	Tue 7/22/31	355+6 mons	1.6	[Timeline bar]											
9	1.1.7	1.7 Additional activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	3	1.7	[Timeline bar]											
10	1.1.8	1.8 Additional activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	3	1.8	[Timeline bar]											
11	1.1.9	1.9 Additional activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	3	1.9	[Timeline bar]											
12	1.2	Task 2-LCTM Quality Assurance (QA) and LCTM Specifications	66 mons	Tue 12/24/24	Wed 7/17/30		2.0	[Timeline bar]											
13	1.2.1	2.1 Development of Task 2 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		2.1	[Timeline bar]											
14	1.2.2	2.2 Development of QA plans and/or performance monitoring plan for the LCTM	18 mons	Wed 3/26/25	Wed 9/30/26	1355+3 mons	2.2	[Timeline bar]											
15	1.2.3	2.3 Task 2 Stakeholder Outreach	18 mons	Fri 9/26/25	Fri 4/2/27	1355+9 mons	2.3	[Timeline bar]											
16	1.2.4	2.4 Update of existing material specifications or development of new special provision to facilitate use on projects	24 mons	Fri 9/26/25	Tue 10/5/27	1355+9 mons	2.4	[Timeline bar]											
17	1.2.5	2.5 Preliminary mixture design and testing to evaluate materials	36 mons	Thu 6/26/25	Fri 7/7/28	1355+6 mons	2.5	[Timeline bar]											
18	1.2.6	2.6 Testing equipment to accept and verify LCTM	36 mons	Thu 6/26/25	Fri 7/7/28	1355+6 mons	2.6	[Timeline bar]											
19	1.2.7	2.7 Construction of Task 2 LCTM test strips	48 mons	Wed 7/1/26	Wed 7/17/30	13	2.7	[Timeline bar]											
20	1.2.8	2.8 Development of a verification process for LCTM using EPDs	36 mons	Wed 3/26/25	Thu 4/6/28	1355+3 mons	2.8	[Timeline bar]											
21	1.2.9	2.9 Task 2 Training	24 mons	Mon 12/29/25	Wed 1/5/28	1355+12 mons	2.9	[Timeline bar]											
22	1.2.10	2.10 Additional activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	13	2.10	[Timeline bar]											
23	1.2.11	2.11 Additional activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	13	2.11	[Timeline bar]											
24	1.2.12	2.12 Additional activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	13	2.12	[Timeline bar]											
25	1.3	Task 3-Construction Project Information	54 mons	Tue 12/24/24	Thu 7/12/29		3.0	[Timeline bar]											
26	1.3.1	3.1 Development of Task 3 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		3.1	[Timeline bar]											
27	1.3.2	3.2 Identify construction projects	12 mons	Mon 12/29/25	Thu 12/31/26	2655+12 mons	3.2	[Timeline bar]											
28	1.3.3	3.3 Develop a plan for incorporation of LCTM on construction projects	12 mons	Mon 12/29/25	Thu 12/31/26	2655+12 mons	3.3	[Timeline bar]											
29	1.3.4	3.4 Development of project-specific construction contract language	36 mons	Wed 7/1/26	Thu 7/12/29	26	3.4	[Timeline bar]											
30	1.3.5	3.5 Task 3 industry outreach and coordination	24 mons	Mon 12/29/25	Wed 1/5/28	2655+12 mons	3.5	[Timeline bar]											
31	1.3.6	3.6 Task 3 training	24 mons	Mon 12/29/25	Wed 1/5/28	2655+12 mons	3.6	[Timeline bar]											
32	1.3.7	3.7 Additional activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	26	3.7	[Timeline bar]											
33	1.3.8	3.8 Additional activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	26	3.8	[Timeline bar]											
34	1.3.9	3.9 Additional activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	26	3.9	[Timeline bar]											
35	1.4	Task 4-Use of LCTM on Projects	48 mons	Tue 12/24/24	Tue 1/9/29		4.0	[Timeline bar]											
36	1.4.1	4.1 Development of Task 4 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		4.1	[Timeline bar]											
37	1.4.2	4.2 Identification of eligible Federal-aid projects	12 mons	Wed 7/1/26	Mon 7/5/27	3655+18 mons	4.2	[Timeline bar]											
38	1.4.3	4.3 Estimation of costs of LCTM	36 mons	Mon 12/29/25	Tue 1/9/29	3655+12 mons	4.3	[Timeline bar]											
39	1.4.4	4.4 Comparison of LCTM costs and traditional material	12 mons	Wed 7/1/26	Mon 7/5/27	3655+18 mons	4.4	[Timeline bar]											
40	1.4.5	4.5 LCTM bid items (added solely to facilitate use of LCTM)	18 mons	Fri 1/1/27	Fri 7/7/28	3655+24 mons	4.5	[Timeline bar]											
41	1.4.6	4.6 Additional activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	36	4.6	[Timeline bar]											
42	1.4.7	4.7 Additional activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	36	4.7	[Timeline bar]											
43	1.4.8	4.8 Additional activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	36	4.8	[Timeline bar]											
44	1.5	Task 5-Substantially Lower Embodied Carbon	66 mons	Tue 12/24/24	Wed 7/17/30		5.0	[Timeline bar]											
45	1.5.1	5.1 Development of Task 5 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		5.1	[Timeline bar]											
46	1.5.2	5.2 EPD bid item	12 mons	Mon 12/29/25	Thu 12/31/26	4555+12 mons	5.2	[Timeline bar]											
47	1.5.3	5.3 Collection of Energy Star Performance score	36 mons	Tue 7/6/27	Wed 7/17/30	4555+30 mons	5.3	[Timeline bar]											
48	1.5.4	5.4 Quality incentives for environmental performance	36 mons	Mon 12/29/25	Tue 1/9/29	4555+12 mons	5.4	[Timeline bar]											
49	1.5.5	5.5 Other costs for the use of substantially lower carbon materials	36 mons	Fri 1/1/27	Mon 1/14/30	4555+24 mons	5.5	[Timeline bar]											
50	1.5.6	5.6 Additional activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	45	5.6	[Timeline bar]											
51	1.5.7	5.7 Additional activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	45	5.7	[Timeline bar]											
52	1.5.8	5.8 Additional activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	45	5.8	[Timeline bar]											
53	1.6	Task 6-Quality Assurance and Acceptance	54 mons	Tue 12/24/24	Thu 7/12/29		6.0	[Timeline bar]											
54	1.6.1	6.1 Development of Task 6 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		6.1	[Timeline bar]											
55	1.6.2	6.2 Construction of Task 6 LCTM test strip	36 mons	Wed 7/1/26	Thu 7/12/29	54	6.2	[Timeline bar]											
56	1.6.3	6.3 Additional testing equipment and/or testing required to accept low carbon materials	36 mons	Wed 7/1/26	Thu 7/12/29	54	6.3	[Timeline bar]											
57	1.6.4	6.4 Verification that material placed meets thresholds for substantially lower carbon	24 mons	Wed 7/1/26	Fri 7/7/28	54	6.4	[Timeline bar]											
58	1.6.5	6.5 Verification of engineering properties of the LCTM	24 mons	Wed 7/1/26	Fri 7/7/28	54	6.5	[Timeline bar]											
59	1.6.6	6.6 Quality incentives for engineering performance	36 mons	Wed 7/1/26	Thu 7/12/29	54	6.6	[Timeline bar]											
60	1.6.7	6.7 Additional activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	54	6.7	[Timeline bar]											
61	1.6.8	6.8 Additional activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	54	6.8	[Timeline bar]											
62	1.6.9	6.9 Additional activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	54	6.9	[Timeline bar]											
63	1.7	Task 7-Use of LCTM on Construction Projects	80.27 mons	Tue 12/24/24	Tue 9/30/31		7.0	[Timeline bar]											
64	1.7.1	7.1 Development of Task 7 Implementation Process Reports	18 mons	Tue 12/24/24	Tue 6/30/26		7.1	[Timeline bar]											
65	1.7.2	7.2 Develop project-specific performance monitoring plan	12 mons	Wed 7/1/26	Mon 7/5/27	64	7.2	[Timeline bar]											
66	1.7.3	7.3 Construction & placement costs of using eligible materials	24 mons	Wed 7/1/26	Fri 7/7/28	64	7.3	[Timeline bar]											
67	1.7.4	7.4 Results from long-term performance monitoring plan	24 mons	Wed 7/1/26	Fri 7/7/28	64	7.4	[Timeline bar]											
68	1.7.5	7.5 Incentives	62 mons	Thu 7/9/26	Tue 9/30/31	64	7.5	[Timeline bar]											
69	1.7.6	7.6 Additional Activity #1	0 mons	Tue 6/30/26	Tue 6/30/26	64	7.6	[Timeline bar]											
70	1.7.7	7.7 Additional Activity #2	0 mons	Tue 6/30/26	Tue 6/30/26	64	7.7	[Timeline bar]											
71	1.7.8	7.8 Additional Activity #3	0 mons	Tue 6/30/26	Tue 6/30/26	64	7.8	[Timeline bar]											