

Connected Work Zone Standardization										
ID	WBS	Task Name	Duration	Start	Finish	% Complete	Actual Start	Actual Finish	Expected Start	Expected Finish
1	1	Project Management	509 days	Mon 8/15/22	Wed 8/14/24	28%	Mon 8/15/22	NA		
2	1.1	Monthly Progress Report	487 days	Thu 9/15/22	Wed 8/14/24	17%	Tue 8/30/22	NA		
3	1.1.1	Kick-off Meeting	5 days	Tue 8/30/22	Tue 9/6/22	100%	Tue 8/30/22	Tue 9/6/22		
4	1.1.2	Deliver Progress Reports [TOPR Deliverable - Task 1.1]	738 days	Thu 9/15/22	Thu 8/14/25	16%	Thu 9/15/22	NA		
5	1.2	Project Management Plan (PMP)	53 days	Mon 8/15/22	Thu 10/27/22	100%	Mon 8/15/22	Thu 10/27/22		
6	1.2.1	Deliver Draft PMP (Incl. Schedule)	20 days	Mon 8/15/22	Mon 9/12/22	100%	Mon 8/15/22	Mon 9/12/22		
7	1.2.2	Deliver Draft PMP	0 days	Mon 9/12/22	Mon 9/12/22	100%	Mon 9/12/22	Mon 9/12/22		
8	1.2.3	PMP - USDOT Review and Comments	7 days	Tue 9/20/22	Wed 9/28/22	100%	Tue 9/20/22	Wed 9/28/22		
9	1.2.4	Finalize PMP	18 days	Tue 10/4/22	Thu 10/27/22	100%	Tue 10/4/22	Thu 10/27/22		
10	1.2.5	Deliver Project Management Plan [TOPR Deliverable - Task 1.2]	13 days	Mon 10/10/22	Thu 10/27/22	100%	Mon 10/10/22	Thu 10/27/22		
11	1.3	Systems Engineering Management Plan (SEMP)	53 days	Mon 8/15/22	Thu 10/27/22	100%	Mon 8/15/22	Thu 10/27/22		
12	1.3.1	Deliver Draft SEMP	20 days	Mon 8/15/22	Mon 9/12/22	100%	Mon 8/15/22	Mon 9/12/22		
13	1.3.2	Deliver Draft SEMP	0 days	Mon 9/12/22	Mon 9/12/22	100%	Mon 9/12/22	Mon 9/12/22		
14	1.3.3	SEMP - USDOT Review and Comments	7 days	Tue 9/20/22	Wed 9/28/22	100%	Tue 9/20/22	Wed 9/28/22		
15	1.3.4	Finalize SEMP	18 days	Tue 10/4/22	Thu 10/27/22	100%	Tue 10/4/22	Thu 10/27/22		
16	1.3.5	Deliver System Engineering Management Plan (SEMP) [TOPR Deliverable - Task 1.3]	13 days	Mon 10/10/22	Thu 10/27/22	100%	Mon 10/10/22	Thu 10/27/22		
17	1.4	Authorization To Proceed for CWZ Standard	0 days	Mon 10/24/22	Mon 10/24/22	100%	Mon 10/24/22	Mon 10/24/22		
18	2	Develop the CWZ Standard	673 days	Wed 7/6/22	Sun 3/4/25	97%	Wed 9/7/22	NA		
19	2.1	Develop the CWZ Standard ConOps	185 days	Wed 9/7/22	Sun 5/28/23	99%	Wed 9/7/22	NA		
20	2.1.1	CWZ Working Group	37 days	Wed 9/7/22	Thu 10/27/22	99%	Wed 9/7/22	NA		
21	2.1.1.1	Solicit Stakeholders for the CWZ WG	37 days	Wed 9/7/22	Thu 10/27/22	100%	Wed 9/7/22	Thu 10/27/22		
22	2.1.1.2	Submit CWZ Working Group Roster [TOPR Deliverable - Task 2.1.1]	0 days	Thu 10/27/22	Thu 10/27/22	0%	NA	NA		
23	2.1.2	Develop Draft Concept of Operations (ConOps)	136 days	Wed 9/7/22	Fri 3/17/23	100%	Wed 9/7/22	Fri 3/17/23		
24	2.1.2.1	Develop Stakeholder List	37 days	Wed 9/7/22	Thu 10/27/22	100%	Wed 9/7/22	Thu 10/27/22		
25	2.1.2.2	Submit Stakeholder List to USDOT for Approval	1 day	Fri 11/18/22	Fri 11/18/22	100%	Fri 11/18/22	Fri 11/18/22		
26	2.1.2.3	Stakeholder List - USDOT Review and Comments	1 day	Fri 12/16/22	Fri 12/16/22	100%	Fri 12/16/22	Fri 12/16/22		
27	2.1.2.4	Develop Draft Questionnaire	1 day	Fri 11/18/22	Fri 11/18/22	100%	Fri 11/18/22	Fri 11/18/22		
28	2.1.2.5	Draft Questionnaire - USDOT Review and Comments	1 day	Fri 12/16/22	Fri 12/16/22	100%	Fri 12/16/22	Fri 12/16/22		
29	2.1.2.6	Update Questionnaire based on USDOT Comments	0 days	Fri 12/16/22	Fri 12/16/22	100%	Fri 12/16/22	Fri 12/16/22		
30	2.1.2.7	Final Questionnaire - USDOT Review	0 days	Fri 12/16/22	Fri 12/16/22	100%	Fri 12/16/22	Fri 12/16/22		
31	2.1.2.8	Final Questionnaire - USDOT Approval	1 day	Fri 12/16/22	Fri 12/16/22	100%	Fri 12/16/22	Fri 12/16/22		
32	2.1.2.9	Perform Interviews	29 days	Fri 1/6/23	Thu 2/16/23	100%	Fri 1/6/23	Thu 2/16/23		
33	2.1.2.10	Develop Draft CWZ Standard ConOps	14 days	Thu 2/2/23	Wed 2/22/23	100%	Thu 2/2/23	Wed 2/22/23		
34	2.1.2.11	Deliver Draft CWZ Standard ConOps [TOPR Deliverable - Task 2.1.2]	1 day	Fri 2/24/23	Fri 2/24/23	100%	Fri 2/24/23	Fri 2/24/23		
35	2.1.2.12	CWZ ConOps Comment Review Period	15 days	Mon 2/27/23	Fri 3/17/23	100%	Mon 2/27/23	Fri 3/17/23		
36	2.1.3	Walkthrough on Draft Concept of Operations	113 days	Fri 12/16/22	Sun 5/28/23	100%	Fri 12/16/22	Sun 5/28/23		

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37	2.1.3.1	Develop Subject Matter Experts (SME) List	0 days	Fri 12/16/22	Fri 12/16/22	100%	Fri 12/16/22	Fri 12/16/22		
38	2.1.3.2	Prepare ConOps Walkthrough Plan	3 days	Tue 2/7/23	Thu 2/9/23	100%	Tue 2/9/23	Thu 2/9/23		
39	2.1.3.3	Deliver ConOps Walkthrough Plan	1 day	Thu 2/9/23	Thu 2/9/23	100%	Thu 2/9/23	Thu 2/9/23		
40	2.1.3.4	ConOps Walkthrough Plan - USDOT Review and Comments	19 days	Fri 2/10/23	Thu 3/9/23	100%	Fri 2/10/23	Thu 3/9/23		
41	2.1.3.5	Deliver Final ConOps Walkthrough Plan [TOPR Deliverable - Task 2.1.3]	1 day	Fri 3/10/23	Fri 3/10/23	100%	Fri 3/10/23	Fri 3/10/23		
42	2.1.3.6	Perform ConOps Walkthrough	7 days	Tue 3/21/23	Wed 3/29/23	100%	Tue 3/21/23	Wed 3/29/23		
43	2.1.3.7	Resolve ConOps Walkthrough Comments	4 days	Mon 5/22/23	Sun 5/28/23	100%	Mon 5/22/23	Sun 5/28/23		
44	2.1.3.8	Deliver ConOps Walkthrough Comment Resolution Report [TOPR Deliverable - Task 2.1.3]	0 days	Sun 5/28/23	Sun 5/28/23	100%	Sun 5/28/23	Sun 5/28/23		
45	2.2	Develop CWZ Standard System Requirements	87 days	Mon 4/24/23	Thu 8/24/23	100%	Mon 4/24/23	Thu 8/24/23		
46	2.2.1	Develop Draft CWZ Standard System Requirements	43 days	Mon 4/24/23	Thu 6/22/23	100%	Mon 4/24/23	Thu 6/22/23		
47	2.2.1.1	Develop Draft SRS	2 days	Mon 4/24/23	Tue 5/30/23	100%	Mon 4/24/23	Tue 5/30/23		
48	2.2.1.2	Deliver Draft CWZ Standard SRS [TOPR Deliverable - Task 2.2.1]	1 day	Wed 5/31/23	Wed 5/31/23	100%	Wed 5/31/23	Wed 5/31/23		
49	2.2.1.3	CWZ SRS Comment Review Period	15 days	Fri 6/2/23	Thu 6/22/23	100%	Fri 6/2/23	Thu 6/22/23		
50	2.2.2	Walkthrough on Draft System Requirements Specification	67 days	Tue 5/23/23	Thu 8/24/23	100%	Tue 5/23/23	Thu 8/24/23		
51	2.2.2.1	Prepare SRS Walkthrough Plan	1 day	Tue 5/23/23	Tue 5/23/23	100%	Tue 5/23/23	Tue 5/23/23		
52	2.2.2.2	Deliver SRS Walkthrough Plan	1 day	Wed 5/24/23	Wed 5/24/23	100%	Wed 5/24/23	Wed 5/24/23		
53	2.2.2.3	SRS Walkthrough Plan - USDOT Review and Comments	0 days	Thu 5/25/23	Thu 5/25/23	100%	Thu 5/25/23	Thu 5/25/23		
54	2.2.2.4	Deliver Final SRS Walkthrough Plan [TOPR Deliverable - Task 2.2.2]	1 day	Thu 5/25/23	Thu 5/25/23	100%	Thu 5/25/23	Thu 5/25/23		
55	2.2.2.5	Perform SRS Walkthrough	0 days	Fri 6/23/23	Fri 6/30/23	100%	Fri 6/23/23	Fri 6/30/23		
56	2.2.2.6	Resolve SRS Walkthrough Comments	28 days	Tue 7/18/23	Thu 8/24/23	100%	Tue 7/18/23	Thu 8/24/23	Tue 7/18/23	Thu 8/24/23
57	2.2.2.7	Deliver SRS Walkthrough Comment Resolution Report [TOPR Deliverable - Task 2.2.2]	1 day	Thu 8/24/23	Thu 8/24/23	100%	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23
58	2.3	Develop CWZ Standard System Design Details	324 days	Wed 7/6/22	Tue 10/10/23	75%	Thu 9/15/22	NA	Wed 7/6/22	Tue 10/10/23
59	2.3.1	Develop Draft CWZ Standard System Design Details	50 days	Thu 7/6/23	Thu 9/14/23	70%	Thu 7/6/23	NA	Thu 7/6/23	Thu 9/14/23
60	2.3.1.1	Develop Draft SDD	35 days	Thu 7/6/23	Wed 8/23/23	100%	Thu 7/6/23	Wed 8/23/23	Thu 7/6/23	Wed 8/23/23
61	2.3.1.2	Deliver Draft CWZ Standard SDD [TOPR Deliverable - Task 2.3.1]	0 days	Wed 8/23/23	Wed 8/23/23	100%	Wed 8/23/23	Wed 8/23/23	Wed 8/23/23	Wed 8/23/23
62	2.3.1.3	CWZ SDD Comment Review Period	15 days	Thu 8/24/23	Thu 9/14/23	0%	Thu 8/24/23	NA	Thu 8/24/23	Thu 9/14/23
63	2.3.2	Walkthrough on CWZ Standard Systems Design Details	265 days	Thu 9/15/22	Wed 9/27/23	93%	Thu 9/15/22	NA	Thu 9/15/22	Tue 10/10/23
64	2.3.2.1	List of Knowledgeable Subject Matter Experts	1 day	Thu 8/24/23	Thu 8/24/23	100%	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23
65	2.3.2.2	Prepare SDD Walkthrough Plan	1 day	Thu 8/24/23	Thu 8/24/23	100%	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23
66	2.3.2.3	Deliver Draft SDD Walkthrough Plan	1 day	Thu 8/24/23	Thu 8/24/23	100%	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23
67	2.3.2.4	SDD Walkthrough Plan - USDOT Review and Comments	1 day	Thu 8/24/23	Thu 8/24/23	100%	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23	Thu 8/24/23

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68	2.3.2.5	Deliver Final SDD Walkthrough Plan [TOPR Deliverable - Task Task 2.3.2]	1 day	Thu 9/15/22	Thu 9/15/22	0%	NA	NA	Thu 9/15/22	Thu 9/15/22
69	2.3.2.6	Perform SDD Walkthrough	2 days	Mon 9/18/23	Tue 9/19/23	100%	Mon 9/18/23	Tue 9/19/23	Mon 9/18/23	Tue 9/19/23
70	2.3.2.7	Resolve SDD Walkthrough Comments	6 days	Wed 9/20/23	Wed 9/27/23	100%	Wed 9/20/23	Wed 9/27/23	Wed 9/20/23	Tue 10/10/23
71	2.3.2.8	Deliver SDD Walkthrough Comment Resolution Report [TOPR Deliverable - Task 2.3.2]	1 day	Wed 9/27/23	Wed 9/27/23	100%	Wed 9/27/23	Wed 9/27/23	Tue 10/10/23	Tue 10/10/23
72	2.4	Publish CWZ Standard	358 days	Thu 9/28/23	Tue 3/4/25	100%	Thu 9/28/23	Tue 3/4/25	Wed 10/11/23	Fri 3/22/24
73	2.4.1	Develop Recommended CWZ Standard Document	299 days	Thu 9/28/23	Wed 12/4/24	100%	Thu 9/28/23	Wed 12/4/24	Wed 10/11/23	Fri 2/23/24
74	2.4.1.1	Develop proposed User Comment Draft (pUCD)	17 days	Thu 9/28/23	Sat 10/21/23	100%	Thu 9/28/23	Sat 10/21/23	Wed 10/11/23	Tue 10/24/23
75	2.4.1.2	Deliver pUCD to CWZ WG	0 days	Sat 10/21/23	Sat 10/21/23	100%	Sat 10/21/23	Sat 10/21/23	Tue 10/24/23	Tue 10/24/23
76	2.4.1.3	CWZ WG Review and Comment on pUCD	13 days	Wed 10/25/23	Fri 11/10/23	100%	Wed 10/25/23	Fri 11/10/23	Wed 10/25/23	Tue 11/7/23
77	2.4.1.4	Convene CWZ WG Web Conference on pUCD and Adjudicate Comments	1 day	Fri 11/17/23	Fri 11/17/23	100%	Fri 11/17/23	Fri 11/17/23	Wed 11/8/23	Tue 11/14/23
78	2.4.1.5	CWZ WG accepts pUCD	1 day	Fri 11/17/23	Fri 11/17/23	100%	Fri 11/17/23	Fri 11/17/23	Tue 11/14/23	Tue 11/14/23
79	2.4.1.6	Prepare UCD - Address Final WG Comments	15 days	Mon 11/20/23	Tue 12/12/23	100%	Mon 11/20/23	Tue 12/12/23	Mon 11/20/23	Tue 12/12/23
80	2.4.1.6	ITE Prepares UCD for Distribution	2 days	Wed 12/13/23	Thu 12/14/23	100%	Wed 12/13/23	Thu 12/14/23	Wed 12/13/23	Thu 1/4/24
81	2.4.1.6	UCD Period	31 days	Fri 12/15/23	Wed 1/31/24	100%	Fri 12/15/23	Wed 1/31/24	Wed 11/15/23	Mon 12/18/23
82	2.4.1.7	Resolve UCD Comments	14 days	Tue 2/6/24	Mon 2/26/24	100%	Tue 2/6/24	Mon 2/26/24	Tue 12/19/23	Wed 1/10/24
83	2.4.1.8	Deliver proposed Recommended Standard (pRS) to CWZ WG	4 days	Mon 2/26/24	Thu 2/29/24	100%	Mon 2/26/24	Thu 2/29/24	Wed 1/10/24	Wed 1/10/24
84	2.4.1.9	CWZ WG Review Period	16 days	Fri 3/1/24	Fri 3/22/24	100%	Fri 3/1/24	Fri 3/22/24	Thu 1/11/24	Thu 1/25/24
85	2.4.1.10	CWZ WG Meeting to Accept RS	27 days	Thu 3/28/24	Fri 5/3/24	100%	Thu 3/28/24	Fri 5/3/24	Thu 1/25/24	Thu 1/25/24
86	2.4.1.13	Deliver Recommended CWZ WG Standard [TOPR Deliverable - Task 2.4.1]	24 days	Mon 5/6/24	Fri 6/7/24	100%	Mon 5/6/24	Fri 6/7/24	Thu 1/25/24	Thu 1/25/24
87	2.4.1.11	Prepare SDR and NOI	57 days	Mon 6/10/24	Wed 8/28/24	100%	Mon 6/10/24	Wed 8/28/24	Fri 1/26/24	Thu 2/15/24
88	2.4.1.12	Distribute RS to SDOs / Final Ballot	1 day	Mon 9/16/24	Mon 9/16/24	100%	Mon 9/16/24	Mon 9/16/24	Fri 2/16/24	Fri 2/23/24
89	2.4.1.13	SDO Ballot Period	55 days	Tue 9/17/24	Wed 12/4/24	100%	Tue 9/17/24	Wed 12/4/24	Mon 2/26/24	Thu 4/25/24
90	2.4.2	Publish CWZ Standard	178 days	Mon 6/17/24	Tue 3/4/25	100%	Mon 6/17/24	Tue 3/4/25	Mon 2/26/24	Fri 3/22/24
91	2.4.2.1	Deliver Publish Ready Approved CWZ Standard	57 days	Mon 12/2/24	Fri 2/28/25	100%	Mon 12/2/24	Fri 2/28/25	Mon 2/26/24	Fri 3/8/24
92	2.4.2.2	Prepare Compilable CWZ MIB/ASN.1	0 days	Mon 6/17/24	Tue 6/18/24	100%	Mon 6/17/24	Tue 6/18/24	Mon 2/26/24	Fri 3/8/24
93	2.4.2.3	Deliver CWZ MIB/ASN.1	1 day	Tue 6/18/24	Tue 6/18/24	100%	Tue 6/18/24	Tue 6/18/24	Fri 3/8/24	Fri 3/8/24
94	2.4.2.4	Prepare for No Cost Distribution	2 days	Mon 3/3/25	Tue 3/4/25	100%	Mon 3/3/25	Tue 3/4/25	Mon 3/11/24	Fri 3/22/24
95	2.4.2.5	No Cost Distribution Approved CWZ	1 day	Tue 3/4/25	Tue 3/4/25	100%	Tue 3/4/25	Tue 3/4/25	Fri 3/22/24	Fri 3/22/24
96	2.4.2.6	Deliver Final CWZ Standard MIB and/or ASN.1 [TOPR Deliverable - Task 2.4.2]	0 days	Fri 2/28/25	Fri 2/28/25	100%	Fri 2/28/25	Fri 2/28/25	Fri 3/22/24	Fri 3/22/24
97	3	Verify and Validate Connected Work Zone Standard and Draft Implementation Guidance	82 days	Tue 9/30/25	Thu 1/29/26	100%	Tue 9/30/25	Thu 1/29/26	Wed 11/15/23	Mon 7/29/24
98	3.1	Test Documentation	21 days	Wed 10/1/25	Wed 10/29/25	100%	Wed 10/1/25	Wed 10/29/25	Wed 11/15/23	Tue 1/30/24
99	3.1.1	Develop Test Plan	21 days	Wed 10/1/25	Wed 10/29/25	100%	Wed 10/1/25	Wed 10/29/25	Wed 11/15/23	Thu 12/14/23
100	3.1.2	Develop Test Case and Procedures	0 days	Wed 10/1/25	Wed 10/29/25	100%	Wed 10/1/25	Wed 10/29/25	Tue 1/2/24	Tue 1/30/24
101	3.1.3	Summary of Validation Site Requirements	0 days	Wed 10/1/25	Wed 10/29/25	100%	Wed 10/1/25	Wed 10/29/25	Wed 11/15/23	Tue 11/21/23
102	3.2	Validation Site Test	66 days	Tue 9/30/25	Tue 1/6/26	100%	Tue 9/30/25	Tue 1/6/26	Wed 11/15/23	Fri 3/8/24
103	3.2.1	Validation Site Selection	8 days	Mon 11/17/25	Fri 11/28/25	100%	Mon 11/17/25	Fri 11/28/25	Wed 11/15/23	Wed 11/15/23

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104	3.2.1.1	Validation Site List	8 days	Mon 11/17/25	Fri 11/28/25	100%	Mon 11/17/25	Fri 11/28/25	Wed 11/22/23	Thu 11/30/23
105	3.2.1.2	Letter of Solicitation and Self-Assessment Format	17 days	Tue 9/30/25	Sun 11/16/25	100%	Tue 9/30/25	Sun 11/16/25	Fri 12/1/23	Mon 12/4/23
106	3.2.1.3	Summary of Self-Assessment Information	17 days	Mon 12/1/25	Tue 12/23/25	100%	Mon 12/1/25	Tue 12/23/25	Tue 12/5/23	Mon 12/11/23
107	3.2.2	Validation Site and Testing Coordination	7 days	Wed 12/10/25	Tue 1/6/26	100%	Wed 12/10/25	Tue 1/6/26	Tue 12/12/23	Thu 1/25/24
108	3.2.3	Data Collection and Testing	0 days	Tue 1/6/26	Tue 1/6/26	100%	Tue 1/6/26	Tue 1/6/26	Fri 1/26/24	Fri 3/8/24
109	3.3	Open-Source Test Tools	0 days	Wed 10/1/25	Wed 10/29/25	100%	Wed 10/1/25	Wed 10/29/25	Wed 11/22/23	Thu 12/21/23
110	3.4	Validation Report	29 days	Mon 12/15/25	Wed 1/28/26	100%	Mon 12/15/25	Wed 1/28/26		
111	3.4.1	Develop Draft Validation Report	0 days	Mon 12/15/25	Tue 1/6/26	100%	Mon 12/15/25	Tue 1/6/26		
112	3.4.2	Internal Review with CWZ Co-Chairs	10 days	Wed 1/7/26	Wed 1/21/26	100%	Wed 1/7/26	Wed 1/21/26		
113	3.4.3	Final Validation Report	5 days	Thu 1/22/26	Wed 1/28/26	100%	Thu 1/22/26	Wed 1/28/26		
114	3.5	Update Standard based on Validation Test (Not Anticipated)	2 days	Wed 1/28/26	Thu 1/29/26	100%	Wed 1/28/26	Thu 1/29/26		
115	3.5.1	Comment Resolution (Not Anticipated)	1 day	Wed 1/28/26	Wed 1/28/26	100%	Wed 1/28/26	Wed 1/28/26		
116	3.5.2	Internal Review with CWZ WG (Not Anticipated)	1 day	Wed 1/28/26	Wed 1/28/26	100%	Wed 1/28/26	Wed 1/28/26		
117	3.5.3	Final Standard (Not Anticipated)	2 days	Wed 1/28/26	Thu 1/29/26	100%	Wed 1/28/26	Thu 1/29/26		
118	3.5.4	SDO Ballot (Not Anticipated)	1 day	Thu 1/29/26	Thu 1/29/26	100%	Thu 1/29/26	Thu 1/29/26		
119	3.6	Control Gate for Approval to Start Task 4 Effort	2 days	Fri 1/30/26	Mon 2/2/26	0%	NA	NA		