

MBTA Green Line Train Protection System

ID	Task Mode	BBR Doc. ID	MS	CDRL	Task Name	Duration	Start	2022												
								Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov		
0					143_05_RMPS-Relaunched_Master_Program_Schedule_6.2.1 GLT	4319 dys?	1/7/20													
1					NTP	0 dys	1/7/20													
2					Payment Milestones	4295 dys?	2/7/20													
3			A		A. Master Schedule (C5.02) approved	0 dys	2/7/20													
4			B		B. Quality Assurance Program Plan (C4.05) approved and QA Manual (0 dys	4/7/20													
5			C1		C1. System Safety Program Plan, Preliminary Hazard List and Prelimina	0 dys	7/7/21													
6			C2		C2. User Education Program Plan approved and sample Manuals subm	0 dys	7/7/21													
7			C3		C3. Software Activity Plan and Software Project Management Plan app	0 dys	7/9/20													
8			C4		C4. Performance Monitoring Plan approved	0 dys	5/3/20													
9					Pilot Type 7	327 dys	4/7/21													
10			D1		D1. Pilot Type 7 FAI	116.38 edys	3/7/22													
11					Pilot Type 7 Delivery	66 dys	4/7/21													
12					Pilot Type 7 Installation and Approval	0 dys	7/8/22													
13					Pilot Type 8	84 dys	6/5/22													
14			D2		D2. Pilot Type 8 FAI	1.38 edys	6/5/22													
15					Pilot Type 8 Delivery	0 dys	6/8/22													
16					Pilot Type 8 Installation and Approval	0 dys	9/30/22													
17					Pilot Type 9	2 dys	7/11/22													
18			D3		D3. Pilot Type 9 FAI and Delivery	0 edys	7/11/22													
19					Pilot Type 9 Delivery	0 dys	7/12/22													
20					Pilot Type 9 Installation and Approval	0 dys	7/13/22													
21					Pilot Wayside	139 dys	6/27/22													
22			D4		D4. Pilot Wayside (Woodland - Riverside) FAI and Delivery	0 edys	6/27/22													
23					Pilot Wayside Delivery	0 dys	7/7/22													
24					Pilot Wayside Installation and Approval	0 dys	1/7/23													
25			E1		E1. Detailed Installation Plans, Installation Procedures and Post Insta	38 dys	5/16/22													
26			E1a		Type 7	0 edys	5/16/22													
27			E1b		Type 8	0 edys	6/6/22													
28			E1c		Type 9	0 edys	7/6/22													
29			E2		E2. Detailed Installation Plans, Installation Procedures and Post Insta	170 dys?	5/16/22													
30					Section 1 (B Branch)	0 edys	5/16/22													
31					Section 2 (C Branch)	0 edys	6/20/22													
32					Section 3 (E Branch)	0 edys	7/11/22													
33					Section 4 (D Branch)	0 edys	5/23/22													
34					Section 5a (CT Kenmore- Arlington)	0 edys	7/6/22													
35					Section 5b (CT Alington - North Station)	1 dy?	10/6/22													
36					Section 6 (GLX)	0 edys	1/6/23													
37					F. Carborne Kit Delivery	161 dys	5/27/22													
38			F1		12 Carborne Kits delivered [12x Type 7, 0x Type 8, 0x Type 9]	0 dys	6/1/22													
39			F2		12 Carborne Kits delivered [12x Type 7, 0x Type 8, 0x Type 9]	0 dys	6/13/22													
40			F3		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	6/20/22													
41			F4		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	6/27/22													

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42			F5		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	7/5/22									◆ 7/5					
43			F6		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	7/11/22									◆ 7/11					
44			F7		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	7/18/22									◆ 7/18					
45			F8		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	7/25/22									◆ 7/25					
46			F9		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	8/1/22									◆ 8/1					
47			F10		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	8/8/22									◆ 8/8					
48			F11		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	8/15/22									◆ 8/15					
49			F12		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	8/22/22									◆ 8/22					
50			F13		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]	0 dys	5/27/22						◆ 5/27								
51			F14		12 Carborne Kits delivered [4x Type 7, 6x Type 8, 2x Type 9]	0 dys	6/26/22							◆ 6/26							
52			F15		12 Carborne Kits delivered [4x Type 7, 6x Type 8, 2x Type 9]	0 dys	7/26/22									◆ 7/26					
53			F16		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]	0 dys	8/25/22									◆ 8/25					
54			F17		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]	0 dys	9/24/22											◆ 9/24			
55			F18		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]	0 dys	10/24/22												◆ 10/24		
56			F19		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]	0 dys	11/23/22													◆	
57			F20		14 Carborne Kits delivered [3x Type 7, 3x Type 8, 8x Type 9]	0 dys	1/7/23														
58					G. Wayside Kit Delivery	124 dys	1/15/21														
59			G1		Wayside Signal kits delivered (Lechmere - Science Park)	0 edys	7/8/22									▶▶ 7/8					
60			G2		Wayside Signal kits delivered (Science Park - North Station)	0 dys	8/3/22										▶▶ 8/3				
61			G3		Wayside Signal kits delivered (North Station - Haymarket)	0 dys	7/8/22									▶▶ 7/8					
62			G4		Wayside Signal kits delivered (Haymarket - Government Center)	0 dys	9/22/22												▶▶ 9/22		
63			G5		Wayside Signal kits delivered (Government Center - Park Street)	0 dys	10/18/22													▶▶ 10/18	
64			G6		Wayside Signal kits delivered (Park Street - Boylston)	0 dys	11/11/22														▶▶ 11/11
65			G7		Wayside Signal kits delivered (Boylston - Arlington)	0 dys	12/7/22														
66			G8		Wayside Signal kits delivered (Arlington - Copley)	0 dys	1/26/23														
67			G9		Wayside Signal kits delivered (Copley - Prudential)	0 dys	5/19/22						▶▶ 5/19								
68			G10		Wayside Signal kits delivered (Prudential - Symphony)	0 dys	5/19/22						▶▶ 5/19								
69			G11		Wayside Signal kits delivered (Symphony - Northeastern)	0 dys	5/31/23														
70			G12		Wayside Signal kits delivered (Copley - Hynes Convention Center)	0 dys	2/21/23														
71			G13		Wayside Signal kits delivered (Hynes Convention Center - Kenmore)	0 dys	3/17/23														
72			G14		Wayside Signal kits delivered (Kenmore - St. Mary's Street)	0 dys	4/11/23														
73			G15		Wayside Signal kits delivered (Kenmore - Blandford Street)	0 dys	5/5/23														
74			G16		Wayside Signal kits delivered (Kenmore - Fenway)	0 dys	5/31/23														
75			G17		Wayside Signal kits delivered (Fenway - Longwood)	0 dys	8/3/22												▶▶ 8/3		
76			G18		Wayside Signal kits delivered (Longwood - Brookline Village)	0 dys	6/26/23														
77			G19		Wayside Signal kits delivered (Brookline Village - Brookline Hills)	0 dys	6/26/23														
78			G20		Wayside Signal kits delivered (Brookline Hills - Beaconsfield)	0 dys	6/26/23														
79			G21		Wayside Signal kits delivered (Beaconsfield - Reservoir)	0 dys	7/20/23														
80			G22		Wayside Signal kits delivered (Reservoir - Chestnut Hill)	0 dys	8/15/23														
81			G23		Wayside Signal kits delivered (Chestnut Hill - Newton Centre)	0 dys	8/15/23														
82			G24		Wayside Signal kits delivered (Newton Centre - Newton Highlands)	0 dys	7/20/23														
83			G25		Wayside Signal kits delivered (Newton Highlands - Eliot)	0 dys	9/8/23														

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								Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
84				G26	Wayside Signal kits delivered (Eliot - Waban)	0 dys	9/8/23												
85				G27	Wayside Signal kits delivered (Waban - Woodland)	0 dys	10/3/23												
86				G28	All Wayside Signal kits delivered (Beacon Street Branch)	0 dys	10/3/23												
87				G29	All Wayside Signal kits delivered (Commonwealth Ave Branch)	0 dys	8/29/22												
88				G30	All Wayside Signal kits delivered (Huntington Ave Branch)	0 dys	8/29/22												
89				H	H. All special tools, test equipment approved and delivered and accepted	0 dys	7/7/21												
90				I	I. Training program complete, all manuals, spare kits, maintenance info	0 dys	7/7/21												
91				J	J. Reliability Program (incl. reliability demonstration) complete.	0 dys	7/7/21												
92				K	K. System demonstration complete.	0 dys	11/27/21												
93				L	L. Final equipment payment; all open items closed.	0 dys	2/22/23												
94				M	M. Performance Monitoring & Operational Tuning complete and operational	0 dys	8/9/24												
95				AA	Option I and V. Delivery to and acceptance by the Authority of all Option	0 dys	10/23/22												◆ 10/23
96				BB	Option I and V. Successful completion of the Option, including all outstanding	0 dys	10/26/22												◆ 10/26
97					N. Warranty Support	3651 dys	7/28/22												
113					Critical Design Review (CDR)	95 dys	5/9/22												
138					ATP Functionality Versions	287 dys	8/12/21												
142					Laboratory Tests	382 dys	4/15/21												
156					Establishment of Onshore Production	97 dys	5/1/22												
168					FAI	117 dys?	5/2/22												
191					Pilot Kit	185 dys	5/2/22												
221					Serial Delivery	440 dys	5/19/22												
305					Installation	494 dys	6/1/22												
332					GLX Option Kits	398 dys	3/24/21												
333					GLX Testing Phase Start	1 dy	8/20/21												
334					Wayside Survey (Dependent on GLX Schedule)	52 dys	3/24/21												
340					GLX Design Package	1 dy	6/15/21												
355					Submit GDR package	1 dy	6/16/21												
356					GLX Design Review (GDR)	37 dys	7/28/21												
360					Delivery & Acceptance of Option I Kits	270 dys	9/17/21												
361					Delivery of Option I Kits	6 mons	9/17/21												
362					Installation	270 dys	9/17/21												
365					GLTPS System Demonstration (Includes Headway and Run-Time Der	5 dys	10/29/21												
366					Headway and Run-Time Demonstration Results	12 dys	9/17/21												
367					Successful Completion of Option I	1 dy	9/30/22												
368					Option II	14 dys	9/17/21												
371					Option III	4 dys	9/17/21												
373					Prepare Test Tracks	317 dys	4/15/21												
395					Wayside And Carborne Fast Integration Test - WACFIT	151 dys?	11/1/21												
416					All special tools, space kits, test equipment	1 dy	5/2/22												
421					Training	214 dys	9/19/22												
466					Contract Deliverables (CDRLs)	516 dys	5/1/22												
623						1 dy?	5/2/22												

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0					143_05_RMPS-Relaunched_Master_Program_Schedule_6.2.1 GLT														
1					NTP														
2					Payment Milestones														
3				A	A. Master Schedule (C5.02) approved														
4				B	B. Quality Assurance Program Plan (C4.05) approved and QA Manual (
5				C1	C1. System Safety Program Plan, Preliminary Hazard List and Prelimina														
6				C2	C2. User Education Program Plan approved and sample Manuals subm														
7				C3	C3. Software Activity Plan and Software Project Management Plan app														
8				C4	C4. Performance Monitoring Plan approved														
9					Pilot Type 7														
10				D1	D1. Pilot Type 7 FAI														
11					Pilot Type 7 Delivery														
12					Pilot Type 7 Installation and Approval														
13					Pilot Type 8														
14				D2	D2. Pilot Type 8 FAI														
15					Pilot Type 8 Delivery														
16					Pilot Type 8 Installation and Approval														
17					Pilot Type 9														
18				D3	D3. Pilot Type 9 FAI and Delivery														
19					Pilot Type 9 Delivery														
20					Pilot Type 9 Installation and Approval														
21					Pilot Wayside														
22				D4	D4. Pilot Wayside (Woodland - Riverside) FAI and Delivery														
23					Pilot Wayside Delivery														
24					Pilot Wayside Installation and Approval														
25				E1	E1. Detailed Installation Plans, Installation Procedures and Post Insta														
26				E1a	Type 7														
27				E1b	Type 8														
28				E1c	Type 9														
29				E2	E2. Detailed Installation Plans, Installation Procedures and Post Insta														
30					Section 1 (B Branch)														
31					Section 2 (C Branch)														
32					Section 3 (E Branch)														
33					Section 4 (D Branch)														
34					Section 5a (CT Kenmore- Arlington)														
35					Section 5b (CT Alington - North Station)														
36					Section 6 (GLX)														
37					F. Carborne Kit Delivery														
38				F1	12 Carborne Kits delivered [12x Type 7, 0x Type 8, 0x Type 9]														
39				F2	12 Carborne Kits delivered [12x Type 7, 0x Type 8, 0x Type 9]														
40				F3	12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
41				F4	12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														

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						Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
42			F5		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
43			F6		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
44			F7		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
45			F8		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
46			F9		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
47			F10		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
48			F11		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
49			F12		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
50			F13		12 Carborne Kits delivered [6x Type 7, 6x Type 8, 0x Type 9]														
51			F14		12 Carborne Kits delivered [4x Type 7, 6x Type 8, 2x Type 9]														
52			F15		12 Carborne Kits delivered [4x Type 7, 6x Type 8, 2x Type 9]														
53			F16		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]														
54			F17		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]														
55			F18		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]	10/24													
56			F19		12 Carborne Kits delivered [4x Type 7, 4x Type 8, 4x Type 9]		11/23												
57			F20		14 Carborne Kits delivered [3x Type 7, 3x Type 8, 8x Type 9]			1/7											
58					G. Wayside Kit Delivery	<hr style="border: 2px solid #00AEEF;"/>													
59			G1		Wayside Signal kits delivered (Lechmere - Science Park)														
60			G2		Wayside Signal kits delivered (Science Park - North Station)														
61			G3		Wayside Signal kits delivered (North Station - Haymarket)														
62			G4		Wayside Signal kits delivered (Haymarket - Government Center)														
63			G5		Wayside Signal kits delivered (Government Center - Park Street)	11/18													
64			G6		Wayside Signal kits delivered (Park Street - Boylston)		11/11												
65			G7		Wayside Signal kits delivered (Boylston - Arlington)			12/7											
66			G8		Wayside Signal kits delivered (Arlington - Copley)				1/26										
67			G9		Wayside Signal kits delivered (Copley - Prudential)														
68			G10		Wayside Signal kits delivered (Prudential - Symphony)														
69			G11		Wayside Signal kits delivered (Symphony - Northeastern)														
70			G12		Wayside Signal kits delivered (Copley - Hynes Convention Center)														
71			G13		Wayside Signal kits delivered (Hynes Convention Center - Kenmore)														
72			G14		Wayside Signal kits delivered (Kenmore - St. Mary's Street)														
73			G15		Wayside Signal kits delivered (Kenmore - Blandford Street)														
74			G16		Wayside Signal kits delivered (Kenmore - Fenway)														
75			G17		Wayside Signal kits delivered (Fenway - Longwood)														
76			G18		Wayside Signal kits delivered (Longwood - Brookline Village)														
77			G19		Wayside Signal kits delivered (Brookline Village - Brookline Hills)														
78			G20		Wayside Signal kits delivered (Brookline Hills - Beaconsfield)														
79			G21		Wayside Signal kits delivered (Beaconsfield - Reservoir)														
80			G22		Wayside Signal kits delivered (Reservoir - Chestnut Hill)														
81			G23		Wayside Signal kits delivered (Chestnut Hill - Newton Centre)														
82			G24		Wayside Signal kits delivered (Newton Centre - Newton Highlands)														
83			G25		Wayside Signal kits delivered (Newton Highlands - Eliot)														

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84				G26	Wayside Signal kits delivered (Eliot - Waban)												9/8		
85				G27	Wayside Signal kits delivered (Waban - Woodland)													10/3	
86				G28	All Wayside Signal kits delivered (Beacon Street Branch)													10/3	
87				G29	All Wayside Signal kits delivered (Commonwealth Ave Branch)														
88				G30	All Wayside Signal kits delivered (Huntington Ave Branch)														
89				H	H. All special tools, test equipment approved and delivered and accept														
90				I	I. Training program complete, all manuals, spare kits, maintenance info														
91				J	J. Reliability Program (incl. reliability demonstration) complete.														
92				K	K. System demonstration complete.														
93				L	L. Final equipment payment; all open items closed.					2/22									
94				M	M. Performance Monitoring & Operational Tuning complete and opera														
95				AA	Option I and V. Delivery to and acceptance by the Authority of all Opti												10/23		
96				BB	Option I and V. Successful completion of the Option, including all outst												10/26		
97					N. Warranty Support														
113					Critical Design Review (CDR)														
138					ATP Functionality Versions														
142					Laboratory Tests														
156					Establishment of Onshore Production														
168					FAI														
191					Pilot Kit														
221					Serial Delivery														
305					Installation														
332					GLX Option Kits														
333					GLX Testing Phase Start														
334					Wayside Survey (Dependent on GLX Schedule)														
340					GLX Design Package														
355					Submit GDR package														
356					GLX Design Review (GDR)														
360					Delivery & Acceptance of Option I Kits														
361					Delivery of Option I Kits														
362					Installation														
365					GLTPS System Demonstration (Includes Headway and Run-Time Der														
366					Headway and Run-Time Demonstration Results														
367					Successful Completion of Option I														
368					Option II														
371					Option III														
373					Prepare Test Tracks														
395					Wayside And Carborne Fast Integration Test - WACFIT														
416					All special tools, space kits, test equipment														
421					Training														
466					Contract Deliverables (CDRLs)														
623																			

0 143_05_RMPS-Relaunched_Master_Program_Schedule_6.2.1 GLT

based on 143_MMPS-Mitigated_Master_Program_Schedule_6.2.1_v0.6
Baseline 5 represents 034_MPS Ver. 5.0 which is considered contractually approved Baseline
Baseline 1 represents the plan as it existed 034_MPS Ver.12.0
Baseline 2 represents 143_02_DMPS-Disturbed_Master_Program_Schedule_6.2.1_v1.2
22.01.21 Ver 1.0 initial Version
22.01.21 Ver 1.1 Result of telco with Heather and Klaus
22.01.21 Ver.1.2 completion after telco
25.01.21 Ver.1.3 introduced mitiging measures to achieve delivery of first kit before 1.Jul.21
11.06.21 -> branched to 134_05_"Relaunched" RMPS.
Ver 0.1 includes Documents from Item Tracking List.
11.06.21 Ver.1.0 initial release after joint review by DKU, CMS, TFE
14.06.21 Ver. 2: updated activities according to MPS Ver.16.1 & entered D(x)y Milestones
15.06.21 Ver. 3: updated according new earlier Milestones in item tracking list

10 D1. Pilot Type 7 FAI

Delivery: NTP + 12 Months
FAI : Delivery + 2 Months

373 Prepare Test Tracks

Test Track is required for Qualification Field Tests