



ATTACHMENT I

SAMPLE DESIGN-BID-BUILD CTD

(CONTRACT TIME DETERMINATION)

DEVELOPED FOR ***CONSTRUCTION PLANNING***
DURING THE ***DESIGN PHASE***

Project Name: 609254 100% CTD03 DD12.30.2023 Intersection Improvements - Broadway St. Lynn - Final PUC, Project ID 609254 CTD03				CST01-Baseline-All				MassDOT: Highway											
Activity ID	Activity Name	OD	Start	Finish	Calendar														
						2024				2025				2026					
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
609254 100% CTD03 DD12.30.2023 Intersection Improvements - Broadway St. Lynn - Final PUC																			
Milestones																			
General																			
ADV	Advertise	0	30-Dec-23		7 Day Milestone / Procurem	Advertise													
ADVBID	Advertise to Bid~60 Days	60	30-Dec-23	27-Feb-24	7 Day Milestone / Procurem	Advertise to Bid~60 Days													
BID	Bid Opening	0	28-Feb-24		7 Day Milestone / Procurem	Bid Opening													
BIDAWD	Bid to Award~30 Days	30	28-Feb-24	28-Mar-24	7 Day Milestone / Procurem	Bid to Award~30 Days													
AWD	Issue Notice of Award	0	29-Mar-24		7 Day Milestone / Procurem	Issue Notice of Award													
AWDNTP	Award to NTP~30 Days	30	29-Mar-24	27-Apr-24	7 Day Milestone / Procurem	Award to NTP~30 Days													
NTP	Notice to Proceed	1	28-Apr-24	28-Apr-24	7 Day Milestone / Procurem	Notice to Proceed													
MS03	Full Beneficial Use	0		17-Nov-25	7 Day Milestone / Procurem	Full Beneficial Use													
MS02	Substantial Completion	0		20-Nov-25	7 Day Milestone / Procurem	Substantial Completion													
MS01	Contractor Field Completion	0		14-Apr-26	7 Day Milestone / Procurem	Contractor Field Completion													
Durations																			
1030	Duration (NTP to FBU)	568	29-Apr-24	17-Nov-25	7 Day Milestone / Procurem	Duration (NTP to FBU)													
1000	Duration (NTP to Substantial Comp)	571	29-Apr-24	20-Nov-25	7 Day Milestone / Procurem	Duration (NTP to Substantial Comp)													
1010	Duration (NTP to Final Comp)	716	29-Apr-24	14-Apr-26	7 Day Milestone / Procurem	Duration (NTP to Final Comp)													
Submittals / Procurements																			
Subcontractors																			
Granite Curb & Flatwork Subcontractor																			
A104	Prepare and Submit Granite Curb & Flatwork Subcontractor	15	18-May-24	01-Jun-24	7 Day Milestone / Procurem	Prepare and Submit Granite Curb & Flatwork Subcontractor													
A164	Review and Approve Granite Curb & Flatwork Subcontractor	15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem	Review and Approve Granite Curb & Flatwork Subcontractor													
Traffic Signal Subcontractor																			
A108	Prepare and Submit Traffic Signal Subcontractor	15	18-May-24	01-Jun-24	7 Day Milestone / Procurem	Prepare and Submit Traffic Signal Subcontractor													
A166	Review and Approve Traffic Signal Subcontractor	15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem	Review and Approve Traffic Signal Subcontractor													
Pavement Micro-Milling & Paving Subcontractor																			
A110	Prepare and Submit Pavement Micro-Milling & Paving Subcontractor	15	18-May-24	01-Jun-24	7 Day Milestone / Procurem	Prepare and Submit Pavement Micro-Milling & Paving Subcontractor													
A168	Review and Approve Pavement Micro-Milling & Paving Subcontractor	15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem	Review and Approve Pavement Micro-Milling & Paving Subcontractor													
Signage & Traffic Control Subcontractor																			
A112	Prepare and Submit Signage & Traffic Control Subcontractor	15	18-May-24	01-Jun-24	7 Day Milestone / Procurem	Prepare and Submit Signage & Traffic Control Subcontractor													
A170	Review and Approve Signage & Traffic Control Subcontractor	15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem	Review and Approve Signage & Traffic Control Subcontractor													
Pavement Markings Subcontractor																			
A114	Prepare and Submit Pavement Markings Subcontractor	15	18-May-24	01-Jun-24	7 Day Milestone / Procurem	Prepare and Submit Pavement Markings Subcontractor													
A172	Review and Approve Pavement Markings Subcontractor	15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem	Review and Approve Pavement Markings Subcontractor													
Tree Removal Subcontractor																			
A116	Prepare and Submit Tree Removal Subcontractor	15	18-May-24	01-Jun-24	7 Day Milestone / Procurem	Prepare and Submit Tree Removal Subcontractor													
A174	Review and Approve Tree Removal Subcontractor	15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem	Review and Approve Tree Removal Subcontractor													
Landscape & Erosion Control Subcontractor																			
Remaining Level of Effort ◆ ◆ Milestone			Layout = CST01-Baseline-All, Filter = TASK filter: All Activities			Date	Revision	Checked	Approved	Prepared by MassDOT Highway				Page 1 of 8					
Actual Level of Effort			Data Date = 30-Dec-23, Run Date = 19-Dec-23, 09:14																
Actual Work			Project Start = 30-Dec-23 Project Finish = 14-Apr-26																
Remaining Work																			
Critical Remaining Work																			

Project Name: 609254 100% CTD03 DD12.30.2023 Intersection Improvements - Broadway St. Lynn - Final PUC, Project ID 609254 CTD03				CST01-Baseline-All				MassDOT: Highway									
Activity ID		Activity Name		OD	Start	Finish	Calendar	2024				2025				2026	
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
A118		Prepare and Submit Landscape & Erosion Control Subcontractor		15	18-May-24	01-Jun-24	7 Day Milestone / Procurem										
A176		Review and Approve Landscape & Erosion Control Subcontractor		15	02-Jun-24	16-Jun-24	7 Day Milestone / Procurem										
Licensed Rodent Control Qualifications																	
A136		Prepare and Submit Rodent Control Contractor		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A194		Review and Approve Rodent Control Contractor		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Stormwater Pollution Prevention Plan (SWPPP)																	
A120		Prepare and Submit SWPPP		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A178		Review and Approve SWPPP		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Environmental Health and Safety Plan (EHASP)																	
A122		Prepare and Submit EHASP		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A180		Review and Approve EHASP		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Traffic Management Plan																	
A124		Prepare and Submit Traffic Management Plan		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A182		Review and Approve Traffic Management Plan		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Quality Control (QC) Plan -Pavement Micro-Milling																	
A126		Prepare and Submit QC Plan -p avement Micro-Milling		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A184		Review and Approve QC Plan -p avement Micro-Milling		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Traffic Signal Equipment																	
A128		Prepare and Submit Traffic Signal Equipment		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A186		Review and Approve Traffic Signal Equipment		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
A224		Fab and Deliver Traffic Signal Equipment		90	17-Jul-24	14-Oct-24	7 Day Milestone / Procurem										
Traffic Signal Mast Arms																	
A130		Prepare and Submit Traffic Signal Mast Arms		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A188		Review and Approve Traffic Signal Mast Arms		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
A238		Fab and Deliver Mast Arm Anchor Bolts and Rebar Cages		60	17-Jul-24	14-Sep-24	7 Day Milestone / Procurem										
A222		Fab and Deliver Traffic Signal Mast Arms		120	17-Jul-24	13-Nov-24	7 Day Milestone / Procurem										
Disposal of Contaminated Soils (If Encountered)																	
A132		Prepare and Submit Disposal of Contaminated Soils (If Encountered)		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A190		Review and Approve Disposal of Contaminated Soils (If Encountered)		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Asbestos Abatement Plan (If Encountered)																	
A134		Prepare and Submit Asbestos Abatement Plan (If Encountered)		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A192		Review and Approve Asbestos Abatement Plan (If Encountered)		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
Arborist Preconstruction Report																	
A138		Submit Arborist Preconstruction Report		7	18-May-24	24-May-24	7 Day Milestone / Procurem										
Landscaping and Plantings																	
A140		Prepare and Submit Landscaping and Plantings		30	18-May-24	16-Jun-24	7 Day Milestone / Procurem										
A196		Review and Approve Landscaping and Plantings		30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem										
A236		Fab and Deliver Plantings		30	17-Jul-24	15-Aug-24	7 Day Milestone / Procurem										
Legend		Remaining Level of Effort ◆ ◆ Milestone		Layout = CST01-Baseline-All, Filter = TASK filter: All Activities				Date	Revision		Checked	Approved	Prepared by MassDOT Highway				
Actual Level of Effort				Data Date = 30-Dec-23, Run Date = 19-Dec-23, 09:14									Page 2 of 8				
Actual Work				Project Start = 30-Dec-23 Project Finish = 14-Apr-26													
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Critical Remaining Work																	

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						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Precast Drainage Structures																
A142	Prepare and Submit Precast Drainage Structures	30	18-May-24	16-Jun-24	7 Day Milestone / Procurem											
A198	Review and Approve Precast Drainage Structures	30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem											
A240	Fab and Deliver Drainage Pipe	14	17-Jul-24	30-Jul-24	7 Day Milestone / Procurem											
A226	Fab and Deliver Precast Drainage Structures	21	17-Jul-24	06-Aug-24	7 Day Milestone / Procurem											
Granite Curb Plan																
A150	Prepare and Submit Granite Curb Plan	30	18-May-24	16-Jun-24	7 Day Milestone / Procurem											
A206	Review and Approve Granite Curb Plan	30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem											
A234	Fab and Deliver Granite Curb	60	17-Jul-24	14-Sep-24	7 Day Milestone / Procurem											
Precast Handholes, Pullboxes & Ped. Foundations																
A144	Prepare and Submit Precast Handholes, Pullboxes & Ped. Foundations	30	18-May-24	16-Jun-24	7 Day Milestone / Procurem											
A200	Review and Approve Precast Handholes, Pullboxes & Ped. Foundations	30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem											
A228	Fab and Deliver Precast Handholes, Pullboxes & Ped. Foundations	21	17-Jul-24	06-Aug-24	7 Day Milestone / Procurem											
Castings Frame & Covers or Grates																
A146	Prepare and Submit Castings Frame & Covers or Grates	30	18-May-24	16-Jun-24	7 Day Milestone / Procurem											
A202	Review and Approve Castings Frame & Covers or Grates	30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem											
A230	Fab and Deliver Castings Frame & Covers or Grates	30	17-Jul-24	15-Aug-24	7 Day Milestone / Procurem											
Permanent Signage																
A148	Prepare and Submit Permanent Signage	30	18-May-24	16-Jun-24	7 Day Milestone / Procurem											
A204	Review and Approve Permanent Signage	30	17-Jun-24	16-Jul-24	7 Day Milestone / Procurem											
A232	Fab and Deliver Permanent Signage	30	17-Jul-24	15-Aug-24	7 Day Milestone / Procurem											
Utility Service Connections																
A160	Contractor Requests Work Order Number from Utility Company	1	18-May-24	18-May-24	7 Day Milestone / Procurem											
A162	Utility Company Designs Service Connection	30	19-May-24	17-Jun-24	7 Day Milestone / Procurem											
A210	Contractor Pays for Service Connection	1	18-Jun-24	18-Jun-24	7 Day Milestone / Procurem											
A212	Contractor Contacts Utility Company to Request Service Connection	1	19-Jun-24	19-Jun-24	7 Day Milestone / Procurem											
A214	Utility Company Provides/Installs Service Connection	7	20-Jun-24	26-Jun-24	7 Day Milestone / Procurem											
Utilities (By Others)																
Notifications																
A106	Utility Notifications - Contractor Submits Utility Schedule	31	18-May-24	17-Jun-24	7 Day Milestone / Procurem											
A208	Utility Notifications - MassDOT Reviews / Issues NTP	7	18-Jun-24	24-Jun-24	7 Day Milestone / Procurem											
A216	Utility Notifications - 30 Day Utility Mobilization	30	25-Jun-24	24-Jul-24	7 Day Milestone / Procurem											
Enabling Work by the Contractor																
A248	Layout Mast Arm & Drainage Locations	3	24-Jul-24	26-Jul-24	5 Day w/ Holidays - 1 Inter											
A218	On Site Utility Coordination Meeting	1	01-Aug-24	01-Aug-24	5 Day w/ Holidays - 1 Inter											
A246	Clear & Grub for Utility Work	2	02-Aug-24	05-Aug-24	5 Day w/ Holidays - 1 Inter											
Disconnect/Connect Work Request																
Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work		Layout = CST01-Baseline-All, Filter = TASK filter: All Activities Data Date = 30-Dec-23, Run Date = 19-Dec-23, 09:14 Project Start = 30-Dec-23 Project Finish = 14-Apr-26				Date	Revision		Checked	Approved	Prepared by MassDOT Highway Page 3 of 8					

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Activity ID		Activity Name		OD	Start	Finish	Calendar												
								2024				2025				2026			
								Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
A105		Contact Utility Company for Disconnect/Connect (Procure WR Number)		30	25-Jun-24	05-Aug-24	Standard 5 Day Workweek-	Contact Utility Company for Disconnect/Connect (Procure WR Number)											
A205		Pay for Service Disconnect/Connect		1	06-Aug-24	06-Aug-24	Standard 5 Day Workweek-	Pay for Service Disconnect/Connect											
A305		Request Service Disconnect/Connect		1	07-Aug-24	07-Aug-24	Standard 5 Day Workweek-	Request Service Disconnect/Connect											
Overhead relocations																			
Task 1: NGrid electric																			
A498		Install poles, strand and anchors		15	08-Aug-24	28-Aug-24	5 Day w/ Holidays -W inter -	Install poles, strand and anchors											
A508		Transfer Primary, secondaries, and install equipment		15	29-Aug-24	19-Sep-24	5 Day w/ Holidays -W inter -	Transfer Primary, secondaries, and install equipment											
A518		Replace Services/service Feed		10	20-Sep-24	03-Oct-24	5 Day w/ Holidays -W inter -	Replace Services/service Feed											
A528		Removal of equipment and conductor		10	04-Oct-24	18-Oct-24	5 Day w/ Holidays -W inter -	Removal of equipment and conductor											
A768		By Contractor: Contractor Relocates Cobra head and installs new service for Flasher/relocates temp		10	21-Oct-24	01-Nov-24	5 Day w/ Holidays -W inter -	By Contractor: Contractor Relocates Cobra head and installs new service for Flasher/relocates temp											
A748		NG Service Dept - install pigtails at proposed lighting locations-Disconnects Lighting		1	04-Nov-24	04-Nov-24	5 Day w/ Holidays -W inter -	NG Service Dept - install pigtails at proposed lighting locations-Disconnects Lighting											
A758		NG connects new lights, flashers, etc.		1	05-Nov-24	05-Nov-24	5 Day w/ Holidays -W inter -	NG connects new lights, flashers, etc.											
Task 2: Comm-Tract																			
A538		Transfer ITS cable to relocated poles		1	06-Nov-24	06-Nov-24	5 Day w/ Holidays -W inter -	Transfer ITS cable to relocated poles											
A548		Contractor to remove dead fire alarm within project area by contract items		1	07-Nov-24	07-Nov-24	5 Day w/ Holidays -W inter -	Contractor to remove dead fire alarm within project area by contract items											
Task 3: Comcast																			
A558		Pole Transfers/ rebuild plant as needed		10	08-Nov-24	22-Nov-24	5 Day w/ Holidays -W inter -	Pole Transfers/ rebuild plant as needed											
A568		Splicing/ cutover new plant as needed		5	25-Nov-24	17-Mar-25	5 Day w/ Holidays -W inter -	Splicing/ cutover new plant as needed											
A578		Delash/relash fiber as needed to gain slack and to reach new pole line		10	18-Mar-25	31-Mar-25	5 Day w/ Holidays -W inter -	Delash/relash fiber as needed to gain slack and to reach new pole line											
A588		Wreck out of old plant as needed		5	01-Apr-25	07-Apr-25	5 Day w/ Holidays -W inter -	Wreck out of old plant as needed											
Task 4: Verizon																			
A598		Place Guys and Strand and Cable		12	08-Apr-25	24-Apr-25	5 Day w/ Holidays -W inter -	Place Guys and Strand and Cable											
A608		Splice Cables		15	25-Apr-25	15-May-25	5 Day w/ Holidays -W inter -	Splice Cables											
A618		Reconnect services to new cables		4	16-May-25	21-May-25	5 Day w/ Holidays -W inter -	Reconnect services to new cables											
A628		Trim out dead cables		25	22-May-25	26-Jun-25	5 Day w/ Holidays -W inter -	Trim out dead cables											
A638		Transfer cables		13	27-Jun-25	16-Jul-25	5 Day w/ Holidays -W inter -	Transfer cables											
A648		Remove Dead Cables		13	17-Jul-25	04-Aug-25	5 Day w/ Holidays -W inter -	Remove Dead Cables											
A658		UG Conduit work At Sta 17+70 Left spare duct to new pole		3	05-Aug-25	07-Aug-25	5 Day w/ Holidays -W inter -	UG Conduit work At Sta 17+70 Left spare duct to new pole											
A668		Remove old poles		12	08-Aug-25	25-Aug-25	5 Day w/ Holidays -W inter -	Remove old poles											
NGrid Gas																			
A678		Replace gas line on Project -1825'		126	02-Jan-24	01-Jul-24	5 Day w/ Holidays	Replace gas line on Project -1825'											
City of Lynn Water																			
A670		Replace ~300 ft of 8" Water Line on Broadway - junction to LOW Sta. 59+92		42	29-Apr-24	26-Jun-24	5 Day w/ Holidays	Replace ~300 ft of 8" Water Line on Broadway - junction to LOW Sta. 59+92											
Construction																			
Project Start Up																			
A100		Preconstruction Meeting		15	29-Apr-24	17-May-24	5 Day w/ Holidays	Preconstruction Meeting											
A156		Site Walk with Certified Arborist		2	20-May-24	21-May-24	5 Day w/ Holidays -W inter -	Site Walk with Certified Arborist											
A154		Survey Layout Curb Line (Contractor)		5	20-May-24	24-May-24	5 Day w/ Holidays -W inter -	Survey Layout Curb Line (Contractor)											
Remaining Level of Effort ◆ ◆ Milestone				Layout = CST01-Baseline-All, Filter = TASK filter: All Activities				Date	Revision		Checked	Approved	Prepared by MassDOT Highway						
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						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	
A158	Dig-Safe	7	20-May-24	29-May-24	5 Day w/ Holidays -W inter 1		1									
A152	Survey Layout Baseline and Drainage (MassDOT)	15	20-May-24	10-Jun-24	5 Day w/ Holidays -W inter 1		1									
A102	Locate and Set-Up Engineer's Field Office	20	20-May-24	17-Jun-24	5 Day w/ Holidays		1									
A220	Mobilize to Project Site	5	17-Jul-24	23-Jul-24	5 Day w/ Holidays -W inter 1											
A244	Remove & Discard Highway Guard (130 LF)	1	24-Jul-24	24-Jul-24	5 Day w/ Holidays -W inter 1											
A242	Install Construction Signs	3	24-Jul-24	26-Jul-24	5 Day w/ Holidays -W inter 1											
A250	Installation of Erosion Controls (41 Tubes)	3	29-Jul-24	31-Jul-24	5 Day w/ Holidays -W inter 1											
A254	Tree Protection (18 Ea +150 LF Fence)	3	01-Aug-24	05-Aug-24	5 Day w/ Holidays -W inter 1											
A258	Tree Cutting, Trimming and Clearing (4 Removed + 50 LF Trimming)	5	06-Aug-24	12-Aug-24	5 Day w/ Holidays -W inter 1											
A260	Tree Stump Removal and Grubbing	2	13-Aug-24	14-Aug-24	5 Day w/ Holidays -W inter 1											
A262	Sawcut Roadway and Utility Trenches	2	15-Aug-24	16-Aug-24	5 Day w/ Holidays -W inter 1											
A264	Test Pits (as needed)	2	19-Aug-24	20-Aug-24	5 Day w/ Holidays -W inter 1											
Underground Utility																
Hydrants																
A288	Install & Connect Hydrants 4 Ea. (135 LF DIP, Service box 6 Ea, Curb stop 6 Ea)	8	21-Aug-24	30-Aug-24	5 Day w/ Holidays -W inter 1											
Drainage																
A266	Install CB-1, CIT-1, CB-26, CB-27, CB-28, 92LF PVC and remodel DMH-86	7	03-Sep-24	11-Sep-24	5 Day w/ Holidays -W inter 1											
A268	Install CB-2, CB-3, CB-4, DMH-2, DMH-2A, DMH-3, 48LF PVC	8	12-Sep-24	23-Sep-24	5 Day w/ Holidays -W inter 1											
A269	Install CB-29, CB-30, CB-31, DMH-88, DMH-89, 40LF PVC	5	24-Sep-24	30-Sep-24	5 Day w/ Holidays -W inter 1											
A270	Install CB-32, CB-33, DMH-93, 79LF PVC	5	01-Oct-24	07-Oct-24	5 Day w/ Holidays -W inter 1											
A271	Install CB-5, CB-6, CB-7, DMH-4, 78LF PVC	5	08-Oct-24	15-Oct-24	5 Day w/ Holidays -W inter 1											
A272	Install CB-8, CB-9, CB-10, DMH-5, 67LF PVC	5	16-Oct-24	22-Oct-24	5 Day w/ Holidays -W inter 1											
A276	Install CB-11, CB-12, CB-13, CB-14, DMH-6, DMH-7, CIT-2, 80LF PVC	7	23-Oct-24	31-Oct-24	5 Day w/ Holidays -W inter 1											
A284	Remodel CB and Drainage Structures (50 Ea)	10	01-Nov-24	15-Nov-24	5 Day w/ Holidays -W inter 1											
Traffic Signal Conduits/Pull boxes																
A298	Install Handholes/Pullboxes and Conduit -J enness/Warwick @ Broadway	8	18-Nov-24	27-Nov-24	5 Day w/ Holidays -W inter 1											
A292	Install Handholes/Pullboxes and Conduit -E uclid/Warwick @ Broadway	8	29-Nov-24	25-Mar-25	5 Day w/ Holidays -W inter 1											
Full Depth Roadway Reconstruction																
Broadway Street 42+46 to 46+75																
A296	Full Depth Excavation -B roadway St STA 42+10 to 46+50 (850 CY)	2	26-Mar-25	27-Mar-25	5 Day w/ Holidays -W inter 1											
A302	Place Gravel Borrow & Dense Graded Crushed Stone -B roadway St STA 42+10 to 46+50 (450 CY)	3	28-Mar-25	01-Apr-25	5 Day w/ Holidays -W inter 1											
A312	Pave Base & Intermediate Courses -B roadway St STA 42+10 to 46+50 (1000 Tons)	1	02-Apr-25	02-Apr-25	5 Day w/ Holidays -p aying											
Broadway Street 46+75 to 51+00																
A332	Full Depth Excavation -B roadway St STA 46+50 to 51+00 (850 CY)	2	28-Mar-25	31-Mar-25	5 Day w/ Holidays -W inter 1											
A334	Place Gravel Borrow & Dense Graded Crushed Stone -B roadway St STA 46+50 to 51+00 (450 CY)	3	02-Apr-25	04-Apr-25	5 Day w/ Holidays -W inter 1											
A338	Pave Base & Intermediate Courses -B roadway St STA 46+50 to 51+00 (1000 Tons)	1	07-Apr-25	07-Apr-25	5 Day w/ Holidays -p aying											
Broadway Street 51+00 to 55+75																
A434	Full Depth Excavation -B roadway St STA 51+00 to 55+50 (850 CY)	2	01-Apr-25	02-Apr-25	5 Day w/ Holidays -W inter 1											
Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work					Layout = CST01-Baseline-All, Filter = TASK filter: All Activities Data Date = 30-Dec-23, Run Date = 19-Dec-23, 09:14 Project Start = 30-Dec-23 Project Finish = 14-Apr-26					Date Revision Checked Approved		Prepared by MassDOT Highway Page 5 of 8				

Project Name: 609254 100% CTD03 DD12.30.2023 Intersection Improvements - Broadway St. Lynn - Final PUC, Project ID 609254 CTD03			CST01-Baseline-All				MassDOT: Highway										
Activity ID	Activity Name	OD	Start	Finish	Calendar	2024				2025				2026		Notes	
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
A437	Place Gravel Borrow & Dense Graded Crushed Stone -B roadway St 51+00 to 55+50 (450 CY)	3	07-Apr-25	09-Apr-25	5 Day w/ Holidays -W inter t											I Place Gravel Borrow & Dense Graded Crushed Stone -B roadway St 51+00 to 55+50 (450 CY)	
A440	Pave Base & Intermediate Courses -B roadway St STA 51+00 to 55+50 (1000 Tons)	1	10-Apr-25	10-Apr-25	5 Day w/ Holidays -p aving											Pave Base & Intermediate Courses -B roadway St STA 51+00 to 55+50 (1000 Tons)	
Broadway Street 55+75 to 59+56																	
A443	Full Depth Excavation -B roadway St STA 55+50 to 59+92 (850 CY)	2	03-Apr-25	04-Apr-25	5 Day w/ Holidays -W inter t											I Full Depth Excavation -B roadway St STA 55+50 to 59+92 (850 CY)	
A446	Place Gravel Borrow & Dense Graded Crushed Stone -B roadway St STA 55+50 to 59+92 (450 CY)	3	10-Apr-25	14-Apr-25	5 Day w/ Holidays -W inter t											I Place Gravel Borrow & Dense Graded Crushed Stone -B roadway St STA 55+50 to 59+92 (450 CY)	
A449	Pave Base & Intermediate Courses -B roadway St STA 55+50 to 59+92 (1000 Tons)	1	15-Apr-25	15-Apr-25	5 Day w/ Holidays -p aving											I Pave Base & Intermediate Courses -B roadway St STA 55+50 to 59+92 (1000 Tons)	
Euclid Street																	
A364	Full Depth Excavation -E uclid St STA 93+00 to 90+35 LT (400 CY)	2	07-Apr-25	08-Apr-25	5 Day w/ Holidays -W inter t											I Full Depth Excavation -E uclid St STA 93+00 to 90+35 LT (400 CY)	
A366	Place Gravel Borrow & Dense Graded Crushed Stone -E uclid St STA 93+00 to 90+35 LT (300 CY)	2	15-Apr-25	16-Apr-25	5 Day w/ Holidays -W inter t											I Place Gravel Borrow & Dense Graded Crushed Stone -E uclid St STA 93+00 to 90+35 LT (300 CY)	
A370	Pave Base & Intermediate Courses -E uclid St STA 93+00 to 90+35 LT (800 Tons)	1	17-Apr-25	17-Apr-25	5 Day w/ Holidays -p aving											Pave Base & Intermediate Courses -E uclid St STA 93+00 to 90+35 LT (800 Tons)	
Sidewalks & Driveways																	
Broadway Street -Right																	
A482	Remove Existing Granite Curb and sidewalks-B roadway St STA 59+92 to 42+10 RT	3	18-Apr-25	23-Apr-25	5 Day w/ Holidays -W inter t											I Remove Existing Granite Curb and sidewalks-B roadway St STA 59+92 to 42+10 RT	
A485	Remove Castings and Plate all Existing Structures -B roadway St STA 59+92 to 42+10 RT	5	24-Apr-25	30-Apr-25	5 Day w/ Holidays -W inter t											I Remove Castings and Plate all Existing Structures -B roadway St STA 59+92 to 42+10 RT	
A473	Install Granite Curb -B roadway St STA 59+92 to 42+10 RT (1850 LF)	14	01-May-25	20-May-25	5 Day w/ Holidays -W inter t											I Install Granite Curb -B roadway St STA 59+92 to 42+10 RT (1850 LF)	
A476	Gravel and Grade Sidewalk -B roadway St STA 59+92 to 42+10 RT (100 CY)	5	21-May-25	28-May-25	5 Day w/ Holidays -W inter t											I Gravel and Grade Sidewalk -B roadway St STA 59+92 to 42+10 RT (100 CY)	
A479	Form & Place Concrete Sidewalks & WCRs - B roadway St STA 59+92 to 42+10 RT (1800 SY)	14	29-May-25	17-Jun-25	5 Day w/ Holidays -W inter t											I Form & Place Concrete Sidewalks & WCRs - B roadway St STA 59+92 to 42+10 RT (1800 SY)	
A488	Place HMA Driveways -B roadway St STA 59+92 to 42+10 RT (40 Tons)	2	18-Jun-25	19-Jun-25	5 Day w/ Holidays -W inter t											I Place HMA Driveways -B roadway St STA 59+92 to 42+10 RT (40 Tons)	
Broadway Street -Left																	
A452	Remove Existing Granite Curb and sidewalks-B roadway St STA 42+10 to 59+92 LT	3	20-Jun-25	24-Jun-25	5 Day w/ Holidays -W inter t											I Remove Existing Granite Curb and sidewalks-B roadway St STA 42+10 to 59+92 LT	
A455	Remove Castings and Plate all Existing Structures -B roadway St STA 42+10 to 59+92 LT	5	25-Jun-25	01-Jul-25	5 Day w/ Holidays -W inter t											I Remove Castings and Plate all Existing Structures -B roadway St STA 42+10 to 59+92 LT	
A458	Install Granite Curb -B roadway St STA 42+10 to 59+92 LT (1850 LF)	14	02-Jul-25	22-Jul-25	5 Day w/ Holidays -W inter t											I Install Granite Curb -B roadway St STA 42+10 to 59+92 LT (1850 LF)	
A461	Gravel and Grade Sidewalk - B roadway St STA 42+10 to 59+92 LT (100 CY)	5	23-Jul-25	29-Jul-25	5 Day w/ Holidays -W inter t											I Gravel and Grade Sidewalk - B roadway St STA 42+10 to 59+92 LT (100 CY)	
A464	Form & Place Concrete Sidewalks & WCRs -B roadway St STA 42+10 to 59+92 LT (1800 SY)	14	30-Jul-25	18-Aug-25	5 Day w/ Holidays -W inter t											I Form & Place Concrete Sidewalks & WCRs -B roadway St STA 42+10 to 59+92 LT (1800 SY)	
A470	Place HMA Driveways -B roadway St STA 42+10 to 59+92 LT (40 Tons)	2	19-Aug-25	20-Aug-25	5 Day w/ Holidays -W inter t											I Place HMA Driveways -B roadway St STA 42+10 to 59+92 LT (40 Tons)	
A467	Build Stone Masonry Wall (20 CY)	5	21-Aug-25	27-Aug-25	5 Day w/ Holidays -W inter t											I Build Stone Masonry Wall (20 CY)	
Euclid Street -Right																	
A344	Remove Existing Granite Curb and sidewalks -E uclid St STA 90+35 to 93+00 RT	3	19-Aug-25	21-Aug-25	5 Day w/ Holidays -W inter t											I Remove Existing Granite Curb and sidewalks -E uclid St STA 90+35 to 93+00 RT	
A350	Install Granite Curb -E uclid St STA 90+35 to 93+00 RT (300 LF)	4	22-Aug-25	27-Aug-25	5 Day w/ Holidays -W inter t											I Install Granite Curb -E uclid St STA 90+35 to 93+00 RT (300 LF)	
A354	Gravel and Grade Sidewalk -E uclid St STA 90+35 to 93+00 RT	2	28-Aug-25	29-Aug-25	5 Day w/ Holidays -W inter t											I Gravel and Grade Sidewalk -E uclid St STA 90+35 to 93+00 RT	
A356	Form and Place Concrete Sidewalk & WCRs - E uclid St STA 90+35 to 93+00 RT (300 SY)	4	02-Sep-25	05-Sep-25	5 Day w/ Holidays -W inter t											I Form and Place Concrete Sidewalk & WCRs - E uclid St STA 90+35 to 93+00 RT (300 SY)	
A419	Place HMA Driveway -E uclid St STA 90+35 to 93+00 RT (22 Tons)	1	08-Sep-25	08-Sep-25	5 Day w/ Holidays -W inter t											P Place HMA Driveway -E uclid St STA 90+35 to 93+00 RT (22 Tons)	
Euclid Street -Left																	
A362	Remove Existing Granite Curb and sidewalks -E uclid St STA 93+00 to 90+35 LT	3	08-Sep-25	10-Sep-25	5 Day w/ Holidays -p aving											I Remove Existing Granite Curb and sidewalks -E uclid St STA 93+00 to 90+35 LT	
A368	Install Granite Curb -E uclid St STA 93+00 to 90+35 LT (300 LF)	4	11-Sep-25	16-Sep-25	5 Day w/ Holidays -W inter t											I Install Granite Curb -E uclid St STA 93+00 to 90+35 LT (300 LF)	
A372	Gravel and Grade Sidewalk -E uclid St STA 93+00 to 90+35 LT	2	17-Sep-25	18-Sep-25	5 Day w/ Holidays -W inter t											I Gravel and Grade Sidewalk -E uclid St STA 93+00 to 90+35 LT	
A374	Form and Place Concrete Sidewalk & WCRs - E uclid St STA 93+00 to 90+35 LT (300 SY)	4	19-Sep-25	24-Sep-25	5 Day w/ Holidays -W inter t											I Form and Place Concrete Sidewalk & WCRs - E uclid St STA 93+00 to 90+35 LT (300 SY)	
A422	Place HMA Driveways - E uclid St STA 93+00 to 90+35 LT (22 Tons)	1	25-Sep-25	25-Sep-25	5 Day w/ Holidays -W inter t											P Place HMA Driveways - E uclid St STA 93+00 to 90+35 LT (22 Tons)	
Legend: Remaining Level of Effort ◆ ◆ Milestone Actual Level of Effort Actual Work Remaining Work Critical Remaining Work																	
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Project Name: 609254 100% CTD03 DD12.30.2023 Intersection Improvements - Broadway St. Lynn - Final PUC, Project ID 609254 CTD03			CST01-Baseline-All				MassDOT: Highway											
Activity ID	Activity Name	OD	Start	Finish	Calendar	2024				2025				2026				
						Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
Traffic Signal Work																		
Intersection -Euclid/Pickering/Broadway																		
A274	FRP Mast Arm Foundations -Euclid/Warwick @ Broadway (2 Ea)	5	18-Apr-25	25-Apr-25	5 Day w/ Holidays -W inter :	FRP Mast Arm Foundations -Euclid/Warwick @ Broadway (2 Ea)												
A278	Cure Mast Arm Foundation -Euclid/Warwick @ Broadway	28	26-Apr-25	23-May-25	7 Day Milestone / Procurem	Cure Mast Arm Foundation -Euclid/Warwick @ Broadway												
A300	Install Ped. Signal Foundation and Conduit -Euclid/Warwick @ Broadway (8 Ea)	6	28-Apr-25	05-May-25	5 Day w/ Holidays -W inter :	Install Ped. Signal Foundation and Conduit -Euclid/Warwick @												
A306	Install Mast Arms -Euclid/Warwick @ Broadway (3 Ea)	4	19-Aug-25	22-Aug-25	5 Day w/ Holidays -W inter :	Install Mast Arms -Euclid/Warwick @ Broadwa												
A310	Install Signal Equipment and Control Cabinet -Euclid/Warwick @ Broadway	8	25-Aug-25	04-Sep-25	5 Day w/ Holidays -W inter :	Install Signal Equipment and Control Cabine												
A320	Activite & Test System -Euclid/Warwick @ Broadway	30	05-Sep-25	04-Oct-25	7 Day Milestone / Procurem	Activite & Test System -Euclid/Warwick												
Intersection -Jenness/Warwick/Broadway																		
A280	FRP Mast Arm Foundations -Jenness/Warwick @ Broadway (3 Ea)	6	28-Apr-25	05-May-25	5 Day w/ Holidays -W inter :	FRP Mast Arm Foundations -Jenness/Warwick @ Broadway (3												
A308	Install Ped. Signal Foundation and Conduit -Jenness/Warwick @ Broadway (9 Ea)	6	06-May-25	13-May-25	5 Day w/ Holidays -W inter :	Install Ped. Signal Foundation and Conduit -Jenness/Warwic												
A286	Cure Mast Arm Foundation -Jenness/Warwick @ Broadway	28	06-May-25	02-Jun-25	7 Day Milestone / Procurem	Cure Mast Arm Foundation -Jenness/Warwick @ Broadwa												
A316	Install Mast Arms -Jenness/Warwick @ Broadway	4	25-Aug-25	28-Aug-25	5 Day w/ Holidays -W inter :	Install Mast Arms -Jenness/Warwick @ Broad												
A322	Install Signal Equipment and Control Cabinet -Jenness/Warwick @ Broadway	8	05-Sep-25	16-Sep-25	5 Day w/ Holidays -W inter :	Install Signal Equipment and Control Cabin												
A324	Activite & Test System -Jenness/Warwick @ Broadway	30	17-Sep-25	16-Oct-25	7 Day Milestone / Procurem	Activite & Test System -Jenness/Warv												
Rapid Flashing Beacons																		
A428	Install RRFB Foundations - (2 Locations)	2	29-Aug-24	30-Aug-24	5 Day w/ Holidays -W inter :	Install RRFB Foundations - (2 Locations)												
A431	Install and activate two RRFB - (2 Locations)	4	03-Sep-24	06-Sep-24	5 Day w/ Holidays -W inter :	Install and activate two RRFB - (2 Locations)												
Final Paving																		
A378	Pavement Micromilling (1100 SY)	1	25-Sep-25	25-Sep-25	5 Day w/ Holidays -p aving	Pavement Micromilling (1100 SY)												
A380	Structure Adjustments (EMH, TMH, gas gates, etc.) -p roject Wide	10	26-Sep-25	09-Oct-25	5 Day w/ Holidays -p aving	Structure Adjustments (EMH, TMH, gas												
A388	Surface Course Paving -p roject Wide (1400 Tons)	2	10-Oct-25	14-Oct-25	5 Day w/ Holidays -p aving	Surface Course Paving -p roject Wide												
A390	Pavement Recessed Markings & Bike Lane High Friction Green Paint -p roject Wide (16,000 LF)	7	15-Oct-25	23-Oct-25	5 Day w/ Holidays -p aving	Pavement Recessed Markings & Bike												
A425	Pavement Arrows & Legends -p roject Wide (830 SF)	2	24-Oct-25	27-Oct-25	5 Day w/ Holidays -p aving	Pavement Arrows & Legends -p roje												
Site Finishes																		
A358	Remove and Reset Street Lights (10 Ea)	2	25-Aug-25	26-Aug-25	5 Day w/ Holidays -W inter :	Remove and Reset Street Lights (10 Ea)												
A360	Remove Drainage Sediment from Structures and Pipe -p roject Wide (30 CY)	3	27-Aug-25	29-Aug-25	5 Day w/ Holidays -W inter :	Remove Drainage Sediment from Structures												
A376	Install / Reset Fence (100 LF)	2	25-Sep-25	26-Sep-25	5 Day w/ Holidays -W inter :	Install / Reset Fence (100 LF)												
A384	Landscaping & Place Mulch-p roject Wide	5	25-Sep-25	01-Oct-25	5 Day w/ Holidays -S eeding	Landscaping & Place Mulch-p roject Wid												
A382	Lay Brick Walk (10 SY)	2	29-Sep-25	30-Sep-25	5 Day w/ Holidays -W inter :	Lay Brick Walk (10 SY)												
A386	Reset Mail Boxes -p roject Wide	1	01-Oct-25	01-Oct-25	5 Day w/ Holidays -W inter :	Reset Mail Boxes -p roject Wide												
A394	Loam & Seed -p roject Wide (660 SY)	3	02-Oct-25	06-Oct-25	5 Day w/ Holidays -S eeding	Loam & Seed -p roject Wide (660 SY)												
A392	Install Permanent Signage and Street Names -p roject Wide (60 traffic Signs, 240 SF; 30 street Namr	4	15-Oct-25	20-Oct-25	5 Day w/ Holidays -p aving	Install Permanent Signage and Street												
Close-Out																		
Full Beneficial Use -FBU																		
A396	Contractor's Request for Validation of FBU	1	27-Oct-25	28-Oct-25	Standard 5 Day Workweek-	Contractor's Request for Validation of												
A398	Department's Confirmation of completed Work to allow for FBU	14	28-Oct-25	17-Nov-25	Standard 5 Day Workweek-	Department's Confirmation of cor												
Substantial Completion -SC																		
Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work			Layout = CST01-Baseline-All, Filter = TASK filter: All Activities Data Date = 30-Dec-23, Run Date = 19-Dec-23, 09:14 Project Start = 30-Dec-23 Project Finish = 14-Apr-26			Date	Revision	Checked	Approved	Prepared by MassDOT Highway								
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Project Name: 609254 100% CTD03 DD12.30.2023 Intersection Improvements - Broadway St. Lynn - Final PUC, Project ID 609254 CTD03			CST01-Baseline-All				MassDOT: Highway														
Activity ID	Activity Name	OD	Start	Finish	Calendar																
						2024				2025				2026				Notes			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	2026		Notes									
A400	Submit Material Info to District Materials Lab - Documentation	1	17-Nov-25	18-Nov-25	Standard 5 Day Workweek-													Submit Material Info to District Materials Lab - Documentation			
A402	Contractor's Request for Validation of SC	1	18-Nov-25	19-Nov-25	Standard 5 Day Workweek-												Contractor's Request for Validation of SC				
A404	Walkthrough of Entire Contract Work by MassDOT RE	1	19-Nov-25	20-Nov-25	Standard 5 Day Workweek-												Walkthrough of Entire Contract Work by MassDOT RE				
A406	MassDOT generate Punchlist	21	20-Nov-25	19-Dec-25	Standard 5 Day Workweek-												MassDOT generate Punchlist				
Contract Field Completion - CFC																					
A408	Punchlist Completion Period	21	16-Mar-26	13-Apr-26	5 Day w/ Holidays - Winter t												Punchlist Completion Period				
A410	Contractor Confirmation - All Punchlist Work & Documentation Complete	1	13-Apr-26	14-Apr-26	Standard 5 Day Workweek-												Contractor Confirmation - All Punchlist Work & Documentation Complete				
SAMPLE ONLY																					
Remaining Level of Effort Actual Level of Effort Actual Work Remaining Work Critical Remaining Work		Layout = CST01-Baseline-All, Filter = TASK filter: All Activities Data Date = 30-Dec-23, Run Date = 19-Dec-23, 09:14 Project Start = 30-Dec-23 Project Finish = 14-Apr-26			Date	Revision		Checked	Approved	Prepared by MassDOT Highway		Page 8 of 8									