Seattle Tunnel Partners monthly schedule – May 2017

The Washington State Department of Transportation's contractor, Seattle Tunnel Partners, is responsible for designing and building the SR 99 tunnel. WSDOT's contract with STP includes a number of elements. In addition to boring the tunnel and building the highway within it, STP is responsible for building highway ramps and other connections at the north and south ends of the tunnel. They are also constructing buildings at each tunnel portal to house controls for lighting, ventilation and other systems needed to operate the tunnel.

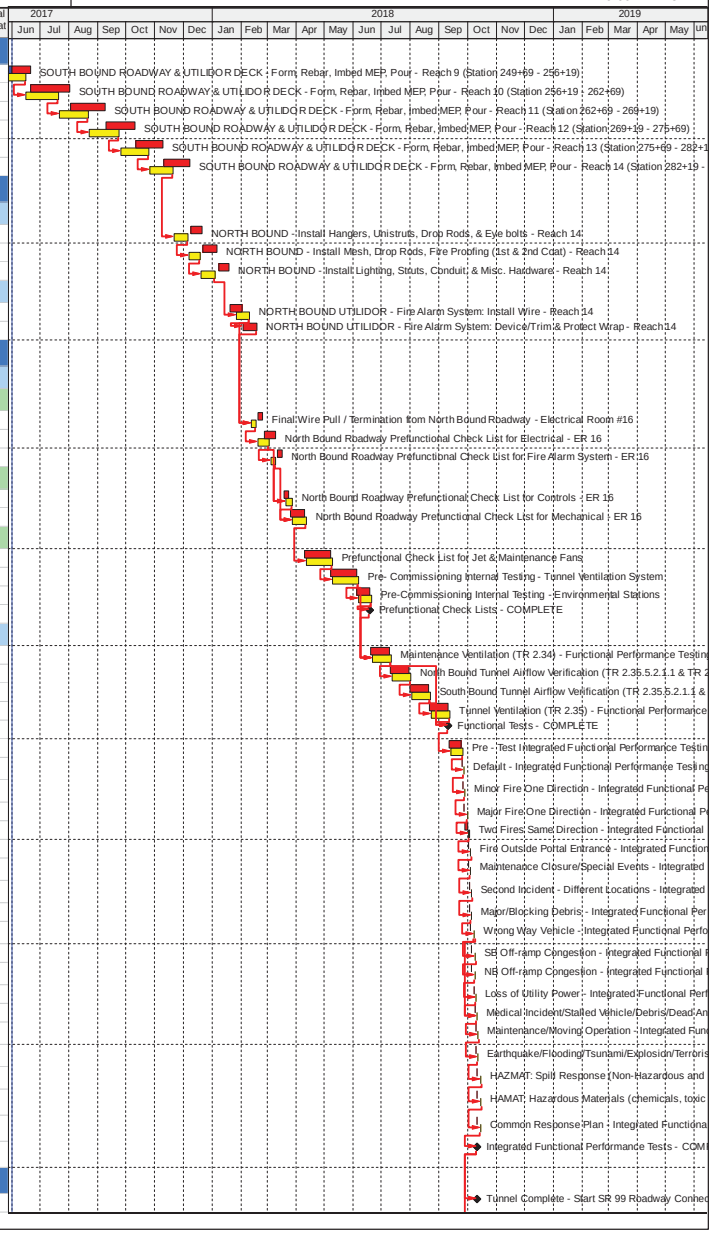
STP submits an updated schedule to WSDOT each month. These monthly schedules show projected durations for "critical-path" activities, which are activities that must be completed on time for the project to be finished on the projected completion date. An activity on the critical path cannot be started until certain prior activities are complete.

The detailed critical-path schedule can be found on the following pages. Like all large construction projects, the schedule for this project changes frequently. Because STP is responsible for the schedule under the terms of the project's design-build contract, WSDOT cannot verify any of the dates shown in this schedule.

As a reminder, after STP hands over the tunnel to the state, work must be done to connect the new tunnel to SR 99 in the south and Aurora Avenue North in the north. Based on STP's schedule, WSDOT estimates the tunnel would open to traffic in early 2019.

May Update (Data Date June 1, 2017) | Appendix B2.1 - Longest Path | 19-Jun-17 15:47

Activity ID	Revision - Path Analysis	Activity Name	OD	Start	Finish	Last Month Start	Last Month Finish	Start Variance	Finish Variance	Total Float
Interior Structure Concrete / Electrical Room 16			159	11-Apr-17 A	08-Dec-17	11-Apr-17	20-Nov-17	0	-13	0
TC Reach 9 - 140	1	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 9 (Station 249+69 - 256+19)	25	11-Apr-17 A	20-Jun-17	11-Apr-17	15-Jun-17	0	-4	0
TC Reach 10 - 140	1	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 10 (Station 256+19 - 262+69)	30	21-Jun-17	01-Aug-17	16-Jun-17	20-Jul-17	-4	-9	0
TC Reach 11 - 140	1	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 11 (Station 262+69 - 269+19)	29	02-Aug-17	08-Sep-17	21-Jul-17	21-Aug-17	-9	-13	0
TC Reach 12 - 140	1	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 12 (Station 269+19 - 275+69)	25	09-Sep-17	10-Oct-17	22-Aug-17	23-Sep-17	-13	-13	0
TC Reach 13 - 140	1	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 13 (Station 275+69 - 282+19)	25	11-Oct-17	09-Nov-17	25-Sep-17	25-Oct-17	-13	-13	0
TC Reach 14 - 140	1	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 14 (Station 282+19 - 287+23)	22	10-Nov-17	08-Dec-17	26-Oct-17	20-Nov-17	-13	-13	0
Mechanical - Electrical - Plumbing			57	09-Dec-17	17-Feb-18	21-Nov-17	09-Feb-18	-13	-6	0
North Bound Roadway			33	09-Dec-17	19-Jan-18	21-Nov-17	04-Jan-18	-13	-13	0
MEP Reach 14 - 110	2.NB	NORTH BOUND - Install Hangers, Unistruts, Drop Rods, & Eye bolts - Reach 14	11	09-Dec-17	21-Dec-17	21-Nov-17	06-Dec-17	-13	-13	0
MEP Reach 14 - 120	2.NB	NORTH BOUND - Install Mesh, Drop Rods, Fire Proofing (1st & 2nd Coat) - Reach 14	11	22-Dec-17	06-Jan-18	07-Dec-17	19-Dec-17	-13	-13	0
MEP Reach 14 - 130	2.NB	NORTH BOUND - Install Lighting, Struts, Conduit, & Misc. Hardware - Reach 14	11	08-Jan-18	19-Jan-18	20-Dec-17	04-Jan-18	-13	-13	0
Northbound Utilidor			24	20-Jan-18	17-Feb-18	27-Jan-18	09-Feb-18	6	-6	0
MEP Reach 14 - 415	2.2.d	NORTH BOUND UTILIDOR - Fire Alarm System: Install Wire - Reach 14	12	20-Jan-18	02-Feb-18	27-Jan-18	09-Feb-18	6	6	0
MEP Reach 14 - 416	2.2.d	NORTH BOUND UTILIDOR - Fire Alarm System: Device/Trim & Protect Wrap - Reach 14	12	03-Feb-18	17-Feb-18					0
Testing and Commissioning			169	19-Feb-18	11-Oct-18	12-Feb-18	15-Oct-18	-5	2	0
Prefunctional Check List			86	19-Feb-18	18-Jun-18	12-Feb-18	20-Jun-18	-5	2	0
Electrical Room 16			20	19-Feb-18	16-Mar-18	12-Feb-18	09-Mar-18	-5	-5	0
ER 16 - 500	3.a.16	Final Wire Pull / Termination from North Bound Roadway - Electrical Room #16	5	19-Feb-18	23-Feb-18	12-Feb-18	16-Feb-18	-5	-5	0
ER 16 Prefunct - 1	3.a.16	North Bound Roadway Prefunctional Check List for Electrical - ER 16	10	26-Feb-18	09-Mar-18	19-Feb-18	02-Mar-18	-5	-5	0
ER 16 Prefunct - 1	3.a.16	North Bound Roadway Prefunctional Check List for Fire Alarm System - ER 16	5	12-Mar-18	16-Mar-18	05-Mar-18	09-Mar-18	-5	-5	0
Northbound Roadway			16	19-Mar-18	09-Apr-18	21-Mar-18	11-Apr-18	2	2	0
ER 16 Prefunct - 1	3.a.3.a.1	North Bound Roadway Prefunctional Check List for Controls - ER 16	5	19-Mar-18	23-Mar-18	21-Mar-18	27-Mar-18	2	2	0
ER 16 Prefunct - 1	3.a.3.a.1	North Bound Roadway Prefunctional Check List for Mechanical - ER 16	11	26-Mar-18	09-Apr-18	28-Mar-18	11-Apr-18	2	2	0
Tunnel Wide			50	10-Apr-18	18-Jun-18	12-Apr-18	20-Jun-18	2	2	0
Tun Wide Prefunc	3.a.Tunnel	Prefunctional Check List for Jet & Maintenance Fans	20	10-Apr-18	07-May-18	12-Apr-18	09-May-18	2	2	0
Tun Wide Prefunc	3.a.Tunnel	Pre- Commissioning Internal Testing - Tunnel Ventilation System	20	08-May-18	04-Jun-18	10-May-18	06-Jun-18	2	2	0
Tun Wide Prefunc	3.a.Tunnel	Pre-Commissioning Internal Testing - Environmental Stations	10	05-Jun-18	18-Jun-18	07-Jun-18	20-Jun-18	2	2	0
MEP - FPT - 000	3.a.Tunnel	Prefunctional Check Lists - COMPLETE	0		18-Jun-18		20-Jun-18	2	2	0
Intergrated Functional Testing			83	19-Jun-18	11-Oct-18	21-Jun-18	15-Oct-18	2	2	0
MEP - FPT - 120	3.c	Maintenance Ventilation (TR 2.34) - Functional Performance Testing	15	19-Jun-18	09-Jul-18	21-Jun-18	11-Jul-18	2	2	0
MEP - FPT - 300	3.c	North Bound Tunnel Airflow Verification (TR 2.35.5.2.1.1 & TR 2.35.5.2.1.1)- Functional Performance Testing	15	10-Jul-18	30-Jul-18	12-Jul-18	01-Aug-18	2	2	0
MEP - FPT - 144	3.c	South Bound Tunnel Airflow Verification (TR 2.35.5.2.1.1 & TR 2.35.5.2.1.1)- Functional Performance Testing	15	31-Jul-18	20-Aug-18	02-Aug-18	22-Aug-18	2	2	0
MEP - FPT - 140	3.c	Tunnel Ventilation (TR 2.35) - Functional Performance Testing	15	21-Aug-18	10-Sep-18	23-Aug-18	12-Sep-18	2	2	0
MEP - FPT - 230	3.c	Functional Tests - COMPLETE	0		10-Sep-18		12-Sep-18	2	2	0
MEP - IFPT - 000	3.c	Pre - Test Integrated Functional Performance Testing	10	11-Sep-18	24-Sep-18	13-Sep-18	26-Sep-18	2	2	0
MEP - IFPT - 100	3.c	Default - Integrated Functional Performance Testing - 0	1	25-Sep-18	25-Sep-18	27-Sep-18	27-Sep-18	2	2	0
MEP - IFPT - 110	3.c	Minor Fire One Direction - Integrated Functional Performance Testing - 1	1	26-Sep-18	26-Sep-18	28-Sep-18	28-Sep-18	2	2	0
MEP - IFPT - 120	3.c	Major Fire One Direction - Integrated Functional Performance Testing - 2	1	27-Sep-18	27-Sep-18	01-Oct-18	01-Oct-18	2	2	0
MEP - IFPT - 130	3.c	Two Fires Same Direction - Integrated Functional Performance Testing - 3	2	28-Sep-18	01-Oct-18	02-Oct-18	03-Oct-18	2	2	0
MEP - IFPT - 140	3.c	Fire Outside Portal Entrance - Integrated Functional Performance Testing - 4	1	02-Oct-18	02-Oct-18	04-Oct-18	04-Oct-18	2	2	0
MEP - IFPT - 150	3.c	Maintenance Closure/Special Events - Integrated Functional Performance Testing - 5	1	02-Oct-18	02-Oct-18	04-Oct-18	04-Oct-18	2	2	0
MEP - IFPT - 160	3.c	Second Incident - Different Locations - Integrated Functional Performance Testing - 6	1	03-Oct-18	03-Oct-18	05-Oct-18	05-Oct-18	2	2	0
MEP - IFPT - 170	3.c	Major/Blocking Debris - Integrated Functional Performance Testing - 7	1	03-Oct-18	03-Oct-18	05-Oct-18	05-Oct-18	2	2	0
MEP - IFPT - 180	3.c	Wrong Way Vehicle - Integrated Functional Performance Testing - 8	1	04-Oct-18	04-Oct-18	08-Oct-18	08-Oct-18	2	2	0
MEP - IFPT - 190	3.c	SB Off-ramp Congestion - Integrated Functional Performance Testing - 9	1	05-Oct-18	05-Oct-18	09-Oct-18	09-Oct-18	2	2	0
MEP - IFPT - 200	3.c	NB Off-ramp Congestion - Integrated Functional Performance Testing - 10	1	05-Oct-18	05-Oct-18	09-Oct-18	09-Oct-18	2	2	0
MEP - IFPT - 220	3.c	Loss of Utility Power - Integrated Functional Performance Testing - 12	1	08-Oct-18	08-Oct-18	10-Oct-18	10-Oct-18	2	2	0
MEP - IFPT - 230	3.c	Medical Incident/Stalled Vehicle/Debris/Dead Animal/Pedestrian - Integrated Functional Performance Testing - 13	1	09-Oct-18	09-Oct-18	11-Oct-18	11-Oct-18	2	2	0
MEP - IFPT - 240	3.c	Maintenance/Moving Operation - Integrated Functional Performance Testing - 14	1	10-Oct-18	10-Oct-18	12-Oct-18	12-Oct-18	2	2	0
MEP - IFPT - 250	3.c	Earthquake/Flooding/Tsunami/Explosion/Terrorism - Integrated Functional Performance Testing - 15	1	10-Oct-18	10-Oct-18	12-Oct-18	12-Oct-18	2	2	0
MEP - IFPT - 260	3.c	HAZMAT: Spill Response (Non-Hazardous and Fuel) - Integrated Functional Performance Testing - 16	1	11-Oct-18	11-Oct-18	15-Oct-18	15-Oct-18	2	2	0
MEP - IFPT - 270	3.c	HAMAT: Hazardous Materials (chemicals, toxic gas, radioactive) - Integrated Functional Performance Testing - 17	1	11-Oct-18	11-Oct-18	15-Oct-18	15-Oct-18	2	2	0
MEP - IFPT - 280	3.c	Common Response Plan - Integrated Functional Performance Testing - 18	1	11-Oct-18	11-Oct-18	15-Oct-18	15-Oct-18	2	2	0
MEP - IFPT - 300	3.c	Integrated Functional Performance Tests - COMPLETE	0		11-Oct-18		15-Oct-18	2	2	0
Completion Milestones			240	11-Oct-18	08-Jun-19	15-Oct-18	12-Jun-19	4	4	0
Mile-TIE IN	4	Tunnel Complete - Start SR 99 Roadway Connections	0		11-Oct-18		15-Oct-18	4	4	0



May Update (Data Date June 1, 2017)

Appendix B2.1 - Longest Path

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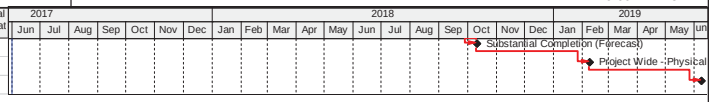
Activity ID	Revision - Path Analysis	Activity Name	OD	Start	Finish	Last Month Start	Last Month Finish	Start Variance	Finish Variance	Total Float
Mile-Forecast SC	4	Substantial Completion (Forecast)	0		11-Oct-18		15-Oct-18	4	4	0
Mile-Forecast PW 85	4	Project Wide - Physical Completion (Forecast)	0		08-Feb-19		12-Feb-19	4	4	0
Mile-Forecast PW 90	4	Project Wide - Milestone - Final Completion (Forecast)	0		08-Jun-19		12-Jun-19	4	4	0