

Seattle Tunnel Partners monthly schedule – January 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.

Activity ID	Activity Name	Start	Rem Dur	Finish	Total Float	Baseline Start	BL Dur	Baseline Finish	BL TF	Start VAR	Finish VAR	2017												2018												2019			
												Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
TC Reach 5 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 5 (Station :	23-Nov-16	1	01-Feb-17	0	12-Dec-16	25	16-Jan-17	9	11	-13																												
TC Reach 6 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 6 (Station :	28-Dec-16	13	16-Feb-17	0	20-Jan-17	25	20-Feb-17	9	17	3																												
TB 225	Tunnel Boring Station 262+72 - 271+72	17-Jan-17	8	10-Feb-17	0	18-Jan-17	28	27-Feb-17	0	1	10																												
TB 230	Potential Intervention 8 (Station 269+22 - 274+22)	13-Feb-17	5	17-Feb-17	0	28-Feb-17	5	06-Mar-17	0	10	10																												
TC Reach 1 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station :	17-Feb-17	20	14-Mar-17	0	03-Feb-17	20	28-Feb-17	9	-11	-11																												
TB 235	Tunnel Boring Station 271+72 - 276+72	21-Feb-17	15	13-Mar-17	0	07-Mar-17	15	27-Mar-17	0	10	10																												
TB 240	Potential Intervention 9 (Station 274+22 - 279+22)	14-Mar-17	5	20-Mar-17	0	28-Mar-17	5	03-Apr-17	0	10	10																												
TC Reach 1 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 1	15-Mar-17	12	29-Mar-17	0	01-Mar-17	12	15-Mar-17	16	-11	-11																												
TC Reach 1 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station :	20-Mar-17	8	29-Mar-17	0	01-Mar-17	8	09-Mar-17	9	-15	-15																												
TB 245	Tunnel Boring Station 276+72 - 281+72	21-Mar-17	15	10-Apr-17	0	04-Apr-17	15	24-Apr-17	0	10	10																												
TC Reach 2 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station :	30-Mar-17	10	10-Apr-17	0	10-Mar-17	10	22-Mar-17	9	-15	-15																												
TB 255	Potential Intervention 10 (Station 279+22 - 287+72)	11-Apr-17	5	17-Apr-17	0	25-Apr-17	5	01-May-17	0	10	10																												
TC Reach 2 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 2	11-Apr-17	12	25-Apr-17	0	23-Mar-17	12	06-Apr-17	9	-15	-15																												
TC Reach 2 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station :	14-Apr-17	6	21-Apr-17	0	23-Mar-17	6	30-Mar-17	17	-18	-18																												
TB 250	Tunnel Boring Station 281+72 - 287+20	18-Apr-17	16	09-May-17	0	02-May-17	16	23-May-17	0	10	10																												
TC Reach 3 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 3 (Station :	22-Apr-17	6	28-Apr-17	0	31-Mar-17	6	06-Apr-17	17	-18	-18																												
TC Reach 3 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 3	01-May-17	12	15-May-17	0	07-Apr-17	12	21-Apr-17	17	-18	-18																												
TC Reach 3 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 3 (Station :	04-May-17	6	10-May-17	0	07-Apr-17	6	13-Apr-17	26	-21	-21																												
TB 258	Tunnel Boring - Hole Through	10-May-17	1	10-May-17	0	24-May-17	1	24-May-17	0	10	10																												
TB 260	Tunnel Boring Complete		0	10-May-17	0		0	24-May-17	0	10	10	Tunnel Boring Complete																											
EX PIT - CON - 100	NCC Remove Break out Struts and Walers	11-May-17	6	17-May-17	0	25-May-17	6	01-Jun-17	0	12	12																												
TC Reach 4 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 4 (Station :	11-May-17	6	18-May-17	0	14-Apr-17	6	21-Apr-17	26	-21	-21																												
EX TB 105	Move Cutterhead into Shaft & Complete Final Rings	18-May-17	8	26-May-17	0	02-Jun-17	8	10-Jun-17	0	12	12																												
TC Reach 4 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 4	19-May-17	11	02-Jun-17	0	22-Apr-17	11	05-May-17	26	-21	-21																												
TC Reach 4 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 4 (Station :	23-May-17	6	31-May-17	0	22-Apr-17	6	28-Apr-17	35	-24	-24																												
EX TB 820	Remove Cutterhead	27-May-17	8	06-Jun-17	0	12-Jun-17	8	20-Jun-17	0	12	12																												
TC Reach 5 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 5 (Station :	01-Jun-17	5	06-Jun-17	0	01-May-17	5	05-May-17	35	-24	-24																												
EX TB 100	Move TBM into Disassembly Location	07-Jun-17	2	08-Jun-17	0	21-Jun-17	2	22-Jun-17	0	12	12																												
TC Reach 5 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 5	07-Jun-17	10	19-Jun-17	0	06-May-17	10	18-May-17	35	-24	-24																												
TC Reach 5 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 5 (Station :	09-Jun-17	5	15-Jun-17	0	06-May-17	5	11-May-17	42	-26	-26																												
EX TB 120	Prepare & Lift Rear Body	09-Jun-17	10	20-Jun-17	0	23-Jun-17	10	05-Jul-17	8	12	12																												
TC Reach 6 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 6 (Station :	16-Jun-17	6	22-Jun-17	0	12-May-17	6	19-May-17	42	-26	-26																												
EX TB 130	Remove Upper Decks	21-Jun-17	10	01-Jul-17	0	06-Jul-17	10	17-Jul-17	8	12	12																												
TC Reach 6 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 6	23-Jun-17	12	10-Jul-17	0	20-May-17	12	05-Jun-17	42	-26	-26																												
TC Reach 6 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 6 (Station :	28-Jun-17	6	06-Jul-17	0	20-May-17	6	26-May-17	50	-29	-29																												
EX TB 140	Remove Screw Conveyor, Erector and Remaining Rear Body Equipment	03-Jul-17	20	26-Jul-17	0	18-Jul-17	20	09-Aug-17	8	12	12																												
TC Reach 7 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 7 (Station :	07-Jul-17	6	13-Jul-17	0	30-May-17	6	05-Jun-17	50	-29	-29																												
TC Reach 7 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 7	14-Jul-17	12	28-Jul-17	0	06-Jun-17	12	20-Jun-17	50	-29	-29																												
TC Reach 7 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 7 (Station :	19-Jul-17	6	25-Jul-17	0	06-Jun-17	6	13-Jun-17	57	-32	-32																												
TC Reach 8 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 8 (Station :	26-Jul-17	6	02-Aug-17	0	14-Jun-17	6	20-Jun-17	57	-32	-32																												
EX TB 150	Remove Fron Body and Main Drive Unit	27-Jul-17	15	12-Aug-17	0	10-Aug-17	15	26-Aug-17	8	12	12																												
TC Reach 8 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 8	03-Aug-17	12	17-Aug-17	0	21-Jun-17	12	07-Jul-17	57	-32	-32																												
TC Reach 8 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 8 (Station :	07-Aug-17	6	14-Aug-17	0	21-Jun-17	6	28-Jun-17	65	-35	-35																												
EX TB 1000	Removal of TBM in Shaft COMPLETE		0	12-Aug-17	0		0	18-Sep-17	9	30	30	Removal of TBM in Shaft COMPLETE																											
EX PIT - CON - 130	NCC Demolish Cradle in Receiving Pit	14-Aug-17	5	18-Aug-17	0	19-Sep-17	5	25-Sep-17	8	25	25																												
TC Reach 9 - 150	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 9 (Station :	15-Aug-17	6	21-Aug-17	0	29-Jun-17	6	07-Jul-17	65	-35	-35																												
EX PIT - CON - 150	NCC Receiving Pit- F/R/P Invert Slab	21-Aug-17	12	06-Sep-17	0	26-Sep-17	12	11-Oct-17	8	25	25																												
TC Reach 9 - 160	ER CEILING - Form, Rebar, Imbed MEP, Pour Lower Half South Bound Walls & ER Ceiling - Reach 9	22-Aug-17	12	07-Sep-17	0	08-Jul-17	12	22-Jul-17	65	-35	-35																												
TC Reach 9 - 170	LOWER HALF SOUTH BOUND WEST WALLS - Form, Rebar, Imbed MEP, Pour - Reach 9 (Station :	25-Aug-17	6	01-Sep-17	0	08-Jul-17	6	14-Jul-17	67	-38	-38																												

■ Actual Work ■ Critical Remaining Work Primary Baseline
 Remaining Work ◆ Milestone ◆ Baseline Milestone

SR99 Bored Tunnel Project - Jan.31 2017 STP Update #68 Longest Path

