

Seattle Tunnel Partners monthly schedule – January 2016

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.

January Update (Data Date February 1, 2016)		Appendix B2.1 - Longest Path								16-Feb-16 14:57																										
Activity ID	Activity Name	OD	RD	Start	Finish	Last Month Start	Last Month Finish	Total Float	Calendar	2016 2017 2018																										
										J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
TBM Repair 1630	14-1 Center Agitator Performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-1 Center Agitator Performance Test																										
TBM Repair 1640	14-2 Cutter Equipment Performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-2 Cutter Equipment Performance Test																										
TBM Repair 1650	14-3 Impulsion Equipment Performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-3 Impulsion Equipment Performance Test																										
TBM Repair 1660	14-4 Foam Injection Performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-4 Foam Injection Performance Test																										
TBM Repair 1670	14-5 Cooling Water System Performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-5 Cooling Water System Performance Test																										
TBM Repair 1680	14-6 Structure performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-6 Structure performance Test																										
TBM Repair 1690	14-7 Lubrication performance Test	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	14-7 Lubrication performance Test																										
TB 109	Tunnel Boring Station 205+35 - 205+53	8	0	21-Dec-15 A	04-Jan-16 A	21-Dec-15	04-Jan-16		Revised - 6	Tunnel Boring Station 205+35 - 205+53																										
TB 110	Tunnel Boring Station 205+53 - 207+32	6	0	05-Jan-16 A	14-Jan-16 A	05-Jan-16	28-Jan-16		Revised - 5	Tunnel Boring Station 205+53 - 207+32																										
PCO 463	WSDOT Suspension of Tunneling Operations	39	21	14-Jan-16 A	21-Feb-16			0	Revised - 7	WSDOT Suspension of Tunneling Operations																										
TB 110 - A	Tunnel Boring Station 207+32 - 210+10 (Safe Haven 3)	12	12	22-Feb-16	08-Mar-16			0	Revised - 5	Tunnel Boring Station 207+32 - 210+10 (Safe Haven 3)																										
TB SH3 000	TBM in Safe Haven 3 - SH3	0	0	09-Mar-16		29-Jan-16		1	Revised - 6	TBM in Safe Haven 3 - SH3																										
TB SH3 230	Tunnel Conveyor Belt Splice - SH3	17	17	09-Mar-16	28-Mar-16	29-Jan-16	17-Feb-16	1	Revised - 6	Tunnel Conveyor Belt Splice - SH3																										
TB SH3 190	TBM Conveyor Belt Maintenance - SH3	10	10	29-Mar-16	08-Apr-16	18-Feb-16	29-Feb-16	1	Revised - 6	TBM Conveyor Belt Maintenance - SH3																										
TC Reach 1 - 100	CORBELS - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 200+29 - 205+71)	26	26	09-Mar-16	11-Apr-16	29-Jan-16	02-Mar-16	0	Revised -	CORBELS - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 200+29 - 205+71)																										
TC Reach 1 - 110	NORTH BOUND WALLS - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 200+	26	26	22-Mar-16	22-Apr-16	11-Feb-16	15-Mar-16	0	Revised -	NORTH BOUND WALLS - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 200+07 - 204+07)																										
TC Reach 1 - 120	INTERMEDIATE DECK - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 198+98	26	26	04-Apr-16	05-May-16	24-Feb-16	28-Mar-16	0	Revised -	INTERMEDIATE DECK - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 198+98 - 204+98)																										
TC Reach 2 - 100	CORBELS - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+71 - 212+21)	24	24	12-Apr-16	11-May-16	03-Mar-16	01-Apr-16	0	Revised -	CORBELS - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+71 - 212+21)																										
TC Reach 1 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	26	26	16-Apr-16	18-May-16	08-Mar-16	08-Apr-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 1 (Station 205+71 - 212+21)																										
TB 130	Tunnel Boring Safe Haven #3 - Station 219+00	28	28	11-Apr-16	18-May-16	01-Mar-16	07-Apr-16	0	Revised - 5	Tunnel Boring Safe Haven #3 - Station 219+00																										
TC Reach 2 - 110	NORTH BOUND WALLS - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+	24	24	25-Apr-16	24-May-16	16-Mar-16	14-Apr-16	0	Revised -	NORTH BOUND WALLS - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+71 - 212+21)																										
TC Reach 2 - 120	INTERMEDIATE DECK - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+71	24	24	06-May-16	07-Jun-16	29-Mar-16	27-Apr-16	0	Revised -	INTERMEDIATE DECK - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+71 - 212+21)																										
TC Reach 2 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	19-May-16	21-Jun-16	11-Apr-16	11-May-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 2 (Station 205+71 - 212+21)																										
TB 150	Tunnel Boring Station 219+00 - 228+40	29	29	19-May-16	29-Jun-16	08-Apr-16	18-May-16	0	Revised - 5	Tunnel Boring Station 219+00 - 228+40																										
TC Reach 3 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	22-Jun-16	23-Jul-16	12-May-16	13-Jun-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 3 (Station 219+00 - 228+40)																										
TB 170	Tunnel Boring Station 228+40 - 239+40	32	32	30-Jun-16	15-Aug-16	19-May-16	05-Jul-16	0	Revised - 5	Tunnel Boring Station 228+40 - 239+40																										
TC Reach 4 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	23	23	25-Jul-16	22-Aug-16	14-Jun-16	13-Jul-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 4 (Station 228+40 - 239+40)																										
TC Reach 5 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	21	21	23-Aug-16	19-Sep-16	14-Jul-16	09-Aug-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 5 (Station 228+40 - 239+40)																										
TB 190	Tunnel Boring Station 239+40 - 250+80	27	27	16-Aug-16	22-Sep-16	06-Jul-16	11-Aug-16	0	Revised - 5	Tunnel Boring Station 239+40 - 250+80																										
TC Reach 6 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	20-Sep-16	20-Oct-16	10-Aug-16	10-Sep-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 6 (Station 239+40 - 250+80)																										
TB 200	Tunnel Boring Station 250+80 - 260+20	29	29	23-Sep-16	02-Nov-16	12-Aug-16	22-Sep-16	0	Revised - 5	Tunnel Boring Station 250+80 - 260+20																										
TC Reach 7 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	21-Oct-16	21-Nov-16	12-Sep-16	12-Oct-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 7 (Station 250+80 - 260+20)																										
TB 220	Tunnel Boring Station 260+20 - 270+60	25	25	03-Nov-16	09-Dec-16	23-Sep-16	27-Oct-16	0	Revised - 5	Tunnel Boring Station 260+20 - 270+60																										
TC Reach 8 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	22-Nov-16	27-Dec-16	13-Oct-16	14-Nov-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 8 (Station 260+20 - 270+60)																										
TB 230	Tunnel Boring Station 270+60 - 280+00	28	28	12-Dec-16	20-Jan-17	28-Oct-16	08-Dec-16	0	Revised - 5	Tunnel Boring Station 270+60 - 280+00																										
TC Reach 9 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	28-Dec-16	30-Jan-17	15-Nov-16	17-Dec-16	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 9 (Station 270+60 - 280+00)																										
TB 250	Tunnel Boring Station 280+00 - 287+20	17	17	23-Jan-17	14-Feb-17	09-Dec-16	04-Jan-17	0	Revised - 5	Tunnel Boring Station 280+00 - 287+20																										
TB 260	Tunnel Boring Complete	0	0		14-Feb-17		04-Jan-17	0	Revised - 5	Tunnel Boring Complete																										
Conveyor Removal 1	Remove Conveyor Belt #1 Structure in reach 1	4	4	15-Feb-17	21-Feb-17	05-Jan-17	10-Jan-17	0	Revised - 5	Remove Conveyor Belt #1 Structure in reach 1																										
TC Reach 1 - 200	UPPER HALF SOUTH BOUND WEST WALLS - Shotcrete - Reach 1 (Station 194+	8	8	16-Feb-17	24-Feb-17	06-Jan-17	16-Jan-17	0	Revised -	UPPER HALF SOUTH BOUND WEST WALLS - Shotcrete - Reach 1 (Station 194+07 - 204+07)																										
Conveyor Removal 140	Remove Conveyor Belt #1	7	7	15-Feb-17	24-Feb-17	05-Jan-17	11-Jan-17	0	Revised - 7	Remove Conveyor Belt #1																										
MEP Reach 1 - 940	SOUTH BOUND - Install MEP Anchors - Reach 1	10	10	16-Feb-17	28-Feb-17	06-Jan-17	18-Jan-17	0	Revised -	SOUTH BOUND - Install MEP Anchors - Reach 1																										
TC Reach 10 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	31-Jan-17	02-Mar-17	19-Dec-16	21-Jan-17	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 10 (Station 280+00 - 287+20)																										
MEP Reach 1 - 200	SOUTH BOUND - Install Mesh - Reach 1	16	16	27-Feb-17	17-Mar-17	17-Jan-17	04-Feb-17	0	Revised -	SOUTH BOUND - Install Mesh - Reach 1																										
TC Reach 11 - 140	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour	25	25	03-Mar-17	03-Apr-17	23-Jan-17	22-Feb-17	0	Revised -	SOUTH BOUND ROADWAY & UTILIDOR DECK - Form, Rebar, Imbed MEP, Pour - Reach 11 (Station 280+00 - 287+20)																										
MEP Reach 1 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	16	16	18-Mar-17	06-Apr-17	06-Feb-17	24-Feb-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reach 1																										
MEP Reach 2 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	07-Apr-17	21-Apr-17	27-Feb-17	13-Mar-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reach 2																										

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

