

## **Seattle Tunnel Partners monthly schedule – February 2016**

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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.

February Update (Data Date March 1, 2016)		Appendix B2.1 - Longest Path								17-Mar-16 08:39																																			
Activity ID	Activity Name	OD	RD	Start	Finish	Last Month Start	Last Month Finish	Total Float	Calendar	2016					2017					2018		2019																							
										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	A	M	J	J	A	S	O	N	D	J
PCO 477	Reduction of Mining Production Rate due to Differing Site Condition between Access Shaft and Sa	68	12	05-Jan-16 A	12-Mar-16			1	Revised - 7	Reduction of Mining Production Rate due to Differing Site Condition between Access Shaft and Sa																																			
TB SH3 230	Tunnel Conveyor Belt Splice - SH3	17	17	14-Mar-16	01-Apr-16	09-Mar-16	28-Mar-16	0	Revised - 6	Tunnel Conveyor Belt Splice - SH3																																			
TB SH3 000	TBM in Safe Haven 3 - SH3	0	0	14-Mar-16		09-Mar-16		0	Revised - 6	TBM in Safe Haven 3 - SH3																																			
TB SH3 190	TBM Conveyor Belt Maintenance - SH3	10	10	02-Apr-16	13-Apr-16	29-Mar-16	08-Apr-16	0	Revised - 6	TBM Conveyor Belt Maintenance - SH3																																			
TB 130	Tunnel Boring Safe Haven #3 - Station 219+00	28	28	14-Apr-16	23-May-16	11-Apr-16	18-May-16	0	Revised - 5	Tunnel Boring Safe Haven #3 - Station 219+00																																			
TB 150	Tunnel Boring Station 219+00 - 228+40	29	29	24-May-16	05-Jul-16	19-May-16	29-Jun-16	0	Revised - 5	Tunnel Boring Station 219+00 - 228+40																																			
TB 170	Tunnel Boring Station 228+40 - 239+40	32	32	06-Jul-16	18-Aug-16	30-Jun-16	15-Aug-16	0	Revised - 5	Tunnel Boring Station 228+40 - 239+40																																			
TB 190	Tunnel Boring Station 239+40 - 250+80	27	27	19-Aug-16	27-Sep-16	16-Aug-16	22-Sep-16	0	Revised - 5	Tunnel Boring Station 239+40 - 250+80																																			
TB 200	Tunnel Boring Station 250+80 - 260+20	29	29	28-Sep-16	07-Nov-16	23-Sep-16	02-Nov-16	0	Revised - 5	Tunnel Boring Station 250+80 - 260+20																																			
TB 220	Tunnel Boring Station 260+20 - 270+60	25	25	08-Nov-16	14-Dec-16	03-Nov-16	09-Dec-16	0	Revised - 5	Tunnel Boring Station 260+20 - 270+60																																			
TB 230	Tunnel Boring Station 270+60 - 280+00	28	28	15-Dec-16	25-Jan-17	12-Dec-16	20-Jan-17	0	Revised - 5	Tunnel Boring Station 270+60 - 280+00																																			
TB 250	Tunnel Boring Station 280+00 - 287+20	17	17	26-Jan-17	17-Feb-17	23-Jan-17	14-Feb-17	0	Revised - 5	Tunnel Boring Station 280+00 - 287+20																																			
TB 260	Tunnel Boring Complete	0	0		17-Feb-17		14-Feb-17	0	Revised - 5	Tunnel Boring Complete																																			
Conveyor Removal 1	Remove Conveyor Belt #1 Structure in reach 1	4	4	21-Feb-17	24-Feb-17	15-Feb-17	21-Feb-17	0	Revised - 5	Remove Conveyor Belt #1 Structure in reach 1																																			
Conveyor Removal 140	Remove Conveyor Belt #1	7	7	21-Feb-17	27-Feb-17	15-Feb-17	24-Feb-17	0	Revised - 7	Remove Conveyor Belt #1																																			
MEP Reach 1 - 940	SOUTH BOUND - Install MEP Anchors - Reach 1	10	10	22-Feb-17	06-Mar-17	16-Feb-17	28-Feb-17	0	Revised -	SOUTH BOUND - Install MEP Anchors - Reach 1																																			
TC Reach 1 - 200	UPPER HALF SOUTH BOUND WEST WALLS - Shotcrete - Reach 1 (Station 194+	8	8	22-Feb-17	03-Mar-17	16-Feb-17	24-Feb-17	0	Revised -	UPPER HALF SOUTH BOUND WEST WALLS - Shotcrete - Rea																																			
MEP Reach 1 - 200	SOUTH BOUND - Install Mesh - Reach 1	16	16	04-Mar-17	23-Mar-17	27-Feb-17	17-Mar-17	0	Revised -	SOUTH BOUND - Install Mesh - Reach 1																																			
MEP Reach 1 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	16	16	24-Mar-17	12-Apr-17	18-Mar-17	06-Apr-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Car																																			
MEP Reach 2 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	13-Apr-17	27-Apr-17	07-Apr-17	21-Apr-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Ca																																			
MEP Reach 3 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	28-Apr-17	12-May-17	22-Apr-17	06-May-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & C																																			
MEP Reach 4 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	10	10	15-May-17	25-May-17	08-May-17	19-May-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign &																																			
MEP Reach 5 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	10	10	26-May-17	08-Jun-17	20-May-17	02-Jun-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign &																																			
MEP Reach 6 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	09-Jun-17	23-Jun-17	03-Jun-17	17-Jun-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign																																			
MEP Reach 7 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	26-Jun-17	11-Jul-17	19-Jun-17	05-Jul-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sid																																			
MEP Reach 8 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	12-Jul-17	26-Jul-17	06-Jul-17	20-Jul-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts, S																																			
MEP Reach 9 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	12	12	27-Jul-17	10-Aug-17	21-Jul-17	04-Aug-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts,																																			
MEP Reach 10 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	11	11	11-Aug-17	24-Aug-17	05-Aug-17	18-Aug-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bolts																																			
MEP Reach 11 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	11	11	25-Aug-17	09-Sep-17	19-Aug-17	01-Sep-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye bol																																			
MEP Reach 12 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	11	11	11-Sep-17	23-Sep-17	05-Sep-17	18-Sep-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye b																																			
MEP Reach 13 - 210	SOUTH BOUND - Install Struts, Rods, Eye bolts, Sign & Camera Structures - Reac	10	10	25-Sep-17	06-Oct-17	19-Sep-17	29-Sep-17	0	Revised -	SOUTH BOUND - Install Struts, Rods, Eye I																																			
MEP Reach 13 - 220	SOUTH BOUND - Install Fireproofing (1st & 2nd Coat) - Reach 13	9	9	07-Oct-17	18-Oct-17	02-Oct-17	11-Oct-17	0	Revised -	SOUTH BOUND - Install Fireproofing (1st																																			
MEP Reach 13 - 230	SOUTH BOUND - Install Fire Supr, Swivel Mounts, Cable (LHD), Struts, Lights, Coi	8	8	19-Oct-17	27-Oct-17	12-Oct-17	21-Oct-17	0	Revised -	SOUTH BOUND - Install Fire Supr, Swivel																																			
MEP Reach 14 - 220	SOUTH BOUND - Install Fireproofing (1st & 2nd Coat) - Reach 14	8	8	19-Oct-17	27-Oct-17	12-Oct-17	21-Oct-17	0	Revised -	SOUTH BOUND - Install Fireproofing (1st																																			
MEP Reach 14 - 230	SOUTH BOUND - Install Fire Supr, Swivel Mounts, Cable (LHD), Struts, Lights, Coi	8	8	30-Oct-17	07-Nov-17	23-Oct-17	01-Nov-17	0	Revised -	SOUTH BOUND - Install Fire Supr, Swivel																																			
MEP Reach 14 - 980	SOUTH BOUND - Pull wire for Low Voltage Devices - Reach 14	5	5	08-Nov-17	14-Nov-17	02-Nov-17	07-Nov-17	0	Revised -	SOUTH BOUND - Pull wire for Low Volta																																			
ER 16 - 510	Final Wire Pull / Termination from South Bound Roadway - Electrical Room #16	5	5	08-Nov-17	14-Nov-17	02-Nov-17	08-Nov-17	0	Revised - 5	Final Wire Pull / Termination from South B																																			
MEP Tun Wide - 190	Install South Bound Roadway Cameras, Signs, & Telephones	25	25	15-Nov-17	21-Dec-17	08-Nov-17	14-Dec-17	0	Revised - 5	Install South Bound Roadway Camer																																			
ER 16 Prefunc - 150	South Bound Roadway Prefunctional Check List for Electrical - ER 16	10	10	15-Nov-17	30-Nov-17	09-Nov-17	22-Nov-17	0	Revised - 5	South Bound Roadway Prefunctional C																																			
ER 16 Prefunc - 160	South Bound Roadway Prefunctional Check List for Fire Alarm System - ER 16	5	5	01-Dec-17	07-Dec-17	27-Nov-17	01-Dec-17	0	Revised - 5	South Bound Roadway Prefunctional C																																			
ER 16 Prefunc - 170	South Bound Roadway Prefunctional Check List for Controls - ER 16	5	5	01-Dec-17	07-Dec-17	27-Nov-17	01-Dec-17	0	Revised - 5	South Bound Roadway Prefunctional C																																			
ER 16 Prefunc - 180	South Bound Roadway Prefunctional Check List for Mechanical - ER 16	12	12	08-Dec-17	26-Dec-17	04-Dec-17	19-Dec-17	0	Revised - 5	South Bound Roadway Prefunctional																																			
Tun Wide Prefunc 60	Maintenance Air Test and Balance (TR2.34)	40	40	08-Dec-17	02-Feb-18	04-Dec-17	29-Jan-18	0	Revised - 5	Maintenance Air Test and Balanc																																			
Tun Wide Prefunc 70	Prefunctional Check List for Jet & Maintenance Fans	20	20	08-Dec-17	05-Jan-18	04-Dec-17	01-Jan-18	0	Revised - 5	Prefunctional Check List for Jet & M																																			
Tun Wide Prefunc 110	South Bound Prefunction Check List for Roadway Cameras, Signs, & Telephones	15	15	22-Dec-17	12-Jan-18	15-Dec-17	05-Jan-18	0	Revised - 5	South Bound Prefunction Check Lis																																			
Tun Wide Prefunc 30	Pre- Commissioning Internal Testing - Tunnel Ventilation System	20	20	08-Jan-18	02-Feb-18	02-Jan-18	29-Jan-18	0	Revised - 5	Pre- Commissioning Internal Tes																																			
Tun Wide Prefunc 20	Prefunctional Check List for Radio System (TR 2.41)	15	15	15-Jan-18	02-Feb-18	08-Jan-18	26-Jan-18	0	Revised - 5	Prefunctional Check List for Radi																																			

Primary Baseline   
  Remaining Work   
  Baseline Milestone  
 Actual Work   
  Critical Remaining Work   
  Milestone

