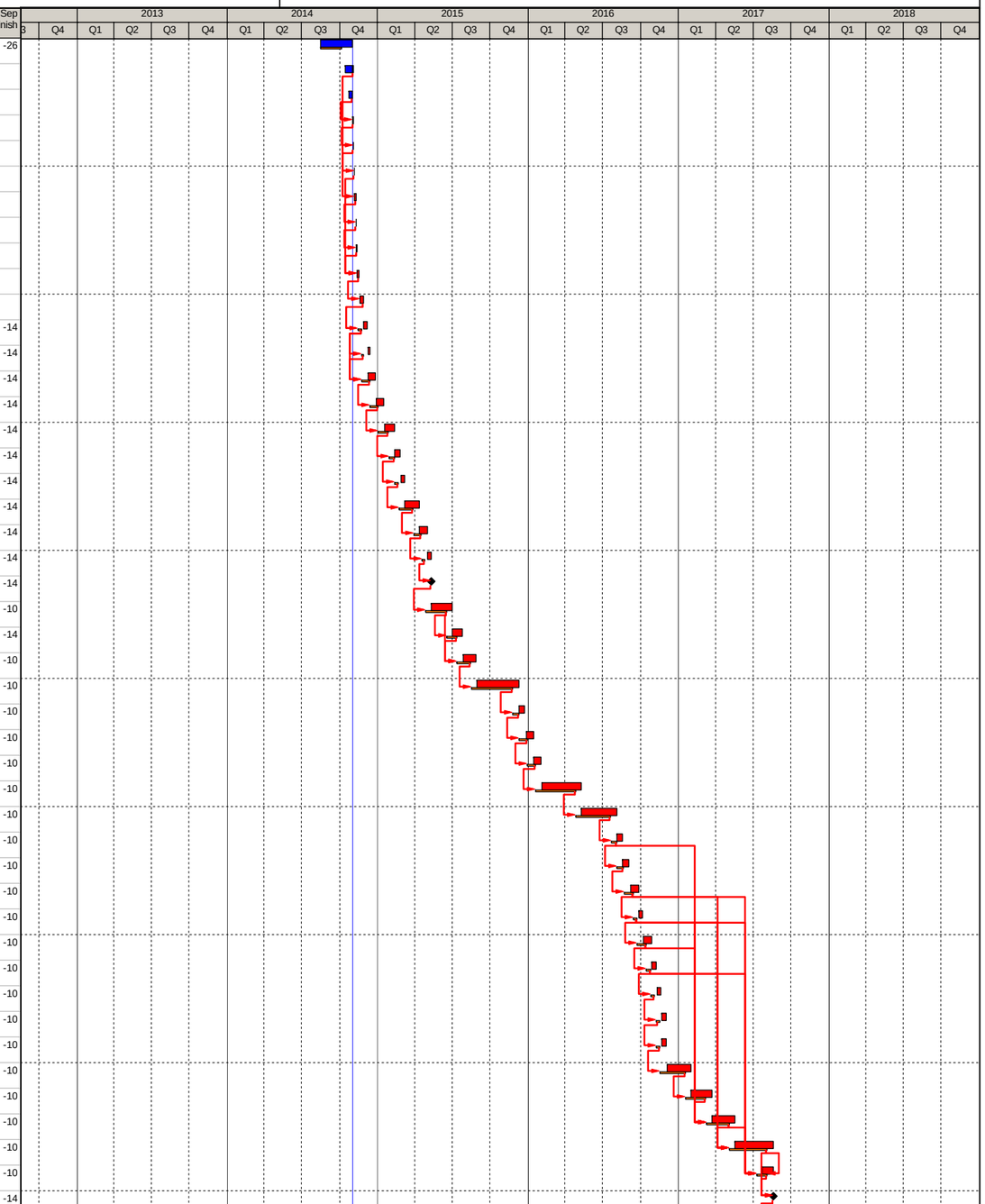
Seattle Tunnel Partners monthly schedule – October 2014

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 lighting, ventilation and other systems needed to operate the tunnel.

STP submits an updated schedule to WSDOT each month. Like all large construction projects, the schedule for this project changes frequently. It also does not account for the contractor's efforts to speed up work. WSDOT cannot verify any of the dates shown in this schedule until STP's work to resume mining is further along.

Activity ID	Activity Name	Original Duration	Remaining Duration	Sep 2014 Dur (ACD)	Start	Finish	Longest Path	Total Float	Calendar	Sep 2014 Start	Sep 2014 Finish	Var - Sep 2014 Start	Var - Sep 2014 Finish
BT TBM Shaft 09	Jet Grout, Instrumentation and Dewatering	18	0	35	16-Aug-14 A	01-Nov-14	☑	-613	99 - 7-day	16-Aug-14	05-Oct-14	0	-26
TIA 006 Discharge 4	SPU Approval to Dischage at 72" Discharge Point	21	4	0	15-Oct-14 A	04-Nov-14	☑	-613	99 - 7-day				
TIA 007 ARCH 01	Archaeological Investigation	5	1	0	23-Oct-14 A	01-Nov-14	☑	-608	99 - 7-day				
BT TBM Shaft 10b2	Remobilize & Set Up (Following WSDOT direction to resume Excavation)	2	2	0	02-Nov-14	03-Nov-14	☑	-608	99 - 7-day				
BT TBM Shaft 10b3	Resume Excavation of Access shaft to Elevation -24	1	1	0	04-Nov-14	04-Nov-14	☑	-608	99 - 7-day				
BT TBM Shaft 10d	Excavate Access Shaft to Top of TBM	2	2	0	05-Nov-14	06-Nov-14	☑	-608	99 - 7-day				
TIA 006 Discharge 5	Absence of access to 72" Discharge Point	6	6	0	05-Nov-14	10-Nov-14	☑	-613	99 - 7-day				
TIA 006 Discharge 6	Install Piping / Flowmeter & Tie in to SPU 72" Discharge Point	1	1	0	10-Nov-14	10-Nov-14	☑	-613	99 - 7-day				
TIA 006 Discharge 7	Start Deep Wells	1	1	0	11-Nov-14	11-Nov-14	☑	-613	99 - 7-day				
BT TBM Shaft 10e	Excavate Access Shaft to Springline of TBM	6	6	0	12-Nov-14	17-Nov-14	☑	-613	99 - 7-day				
BT TBM Shaft 10f	Excavate Access Shaft to Final Elevation	10	10	0	18-Nov-14	27-Nov-14	☑	-613	99 - 7-day				
BT TBM Shaft 010c	Install Cradle	10	10	6	28-Nov-14	07-Dec-14	☑	-613	99 - 7-day	14-Nov-14	23-Nov-14	-14	-14
BT TBM Shaft 07	Move TBM to Recovery Shaft	5	5	5	08-Dec-14	12-Dec-14	☑	-613	99 - 7-day	24-Nov-14	28-Nov-14	-14	-14
BT TBM Shaft 08A	Lifting Preparation Work	20	20	15	08-Dec-14	27-Dec-14	☑	-613	99 - 7-day	24-Nov-14	13-Dec-14	-14	-14
BT TBM Shaft 08B	Disassembly Work in the Shaft and Lifting Work	20	20	15	28-Dec-14	16-Jan-15	☑	-613	99 - 7-day	14-Dec-14	02-Jan-15	-14	-14
BT TBM Shaft 08C	Disassembly Work on the Ground	25	25	17	17-Jan-15	10-Feb-15	☑	-613	99 - 7-day	03-Jan-15	27-Jan-15	-14	-14
BT TBM Shaft 08D	Assembly Work on the Ground	15	15	11	11-Feb-15	25-Feb-15	☑	-613	99 - 7-day	28-Jan-15	11-Feb-15	-14	-14
BT TBM Shaft 08E	Lowering and Assembly Work	10	10	7	26-Feb-15	07-Mar-15	☑	-613	99 - 7-day	12-Feb-15	21-Feb-15	-14	-14
BT TBM Shaft 08F	Restore Work	35	35	25	08-Mar-15	11-Apr-15	☑	-613	99 - 7-day	22-Feb-15	28-Mar-15	-14	-14
BT TBM Shaft 08G	Commissioning	20	20	15	12-Apr-15	01-May-15	☑	-613	99 - 7-day	29-Mar-15	17-Apr-15	-14	-14
BT TBM Shaft 08H	Backfill Shaft	9	9	5	02-May-15	10-May-15	☑	-613	99 - 7-day	18-Apr-15	26-Apr-15	-14	-14
BT TBM Shaft 08I	Ready to Resume Tunnel Mining	0	0	0		10-May-15	☑	-613	99 - 7-day		26-Apr-15	-14	-14
BT TBM 102C	BT TBM Mining 204+75 to 210+10 - Safe Haven 3	37	37	38	11-May-15	01-Jul-15	☑	-424	99 - 5-day	27-Apr-15	17-Jun-15	-10	-10
BT TBMSH3	BT - TBM at Safe Haven 3 (Cost Summary)	25	25	17	02-Jul-15	26-Jul-15	☑	-614	99 - 7-day	18-Jun-15	12-Jul-15	-14	-14
BT TBM 102x	BT - TBM Mining\Precast\Muck 210+10 to 213+00 { Balance of Reach 2}	25	25	25	27-Jul-15	28-Aug-15	☑	-423	99 - 5-day	13-Jul-15	14-Aug-15	-10	-10
BT TBM 103	BT - TBM Mining\Precast\Muck 213+00 to 234+00 {Reach 03}	71	71	72	31-Aug-15	10-Dec-15	☑	-423	99 - 5-day	17-Aug-15	24-Nov-15	-10	-10
BT TBM 104	BT - TBM Mining\Precast\Muck 234+00 to 238+80 {Reach 04}	10	10	12	11-Dec-15	24-Dec-15	☑	-423	99 - 5-day	25-Nov-15	10-Dec-15	-10	-10
BT TBM 105	BT - TBM Mining\Precast\Muck 238+80 to 245+00 {Reach 05}	13	13	14	28-Dec-15	14-Jan-16	☑	-423	99 - 5-day	11-Dec-15	30-Dec-15	-10	-10
BT TBM 106	BT - TBM Mining\Precast\Muck 245+00 to 252+00 {Reach 06}	13	13	14	15-Jan-16	02-Feb-16	☑	-423	99 - 5-day	31-Dec-15	19-Jan-16	-10	-10
BT TBM 107	BT - TBM Mining\Precast\Muck 252+00 to 287+20 {Reach 07}	68	68	69	03-Feb-16	09-May-16	☑	-423	99 - 5-day	20-Jan-16	25-Apr-16	-10	-10
BT TBM 95	BT - Disassemble & Remove TBM & Trailing Gear (Linear Plant) from North End	60	60	62	10-May-16	03-Aug-16	☑	-423	99 - 5-day	26-Apr-16	20-Jul-16	-10	-10
NCC Final Slab 1	NCC - F/R/P Final Slab {200 LF} 300+00 to 301+00 (Ext. Pit)	10	10	10	04-Aug-16	17-Aug-16	☑	-423	99 - 5-day	21-Jul-16	03-Aug-16	-10	-10
NCC Util Walls	NCC - FRP Utilidor Partition Walls @ Extraction Pit {100 LF} 300+00 to 301+00	12	12	12	18-Aug-16	02-Sep-16	☑	-423	99 - 5-day	04-Aug-16	19-Aug-16	-10	-10
NCC NB Deck 2	NCC - FRP NB Deck\Slab @ Extraction Pit	15	15	16	06-Sep-16	26-Sep-16	☑	-423	99 - 5-day	22-Aug-16	12-Sep-16	-10	-10
NCC NB Walls	NCC - FRP NB Partition Walls @ Extraction Pit	8	8	8	27-Sep-16	06-Oct-16	☑	-423	99 - 5-day	13-Sep-16	22-Sep-16	-10	-10
NCC SB Deck 2	NCC - FRP SB Deck\Slab @ Extraction Pit	15	15	15	07-Oct-16	27-Oct-16	☑	-423	99 - 5-day	23-Sep-16	13-Oct-16	-10	-10
NCC SB Walls	NCC - FRP SB Partition Walls @ Extraction Pit	8	8	8	28-Oct-16	08-Nov-16	☑	-414	99 - 5-day	14-Oct-16	25-Oct-16	-10	-10
NCC Roof Deck 00B	NCC - F/R/P SB Ceiling Deck (below Girders) @ Extaction Pit	8	8	8	09-Nov-16	18-Nov-16	☑	-414	99 - 5-day	26-Oct-16	04-Nov-16	-10	-10
NCC Int Walls RD 1	NCC - F/R/P Interior Walls above Ceiling Deck (below Girders) @ E. Pit {100 LF} 300+00 to 301+00	8	8	8	21-Nov-16	02-Dec-16	☑	-414	99 - 5-day	07-Nov-16	16-Nov-16	-10	-10
NCC Int Walls RD 2	NCC - F/R/P Maint. Air Plenum above SB Ceiling Deck (above Girders) @ E. Pit {100 LF} 300+00 to 301+00	8	8	8	21-Nov-16	02-Dec-16	☑	-414	99 - 5-day	07-Nov-16	16-Nov-16	-10	-10
PW TAB 01	PW Maintenance Air System TAB Final	40	40	44	05-Dec-16	31-Jan-17	☑	-414	99 - 5-day	17-Nov-16	17-Jan-17	-10	-10
PW Integration Test	Project Wide - Systems Integration Testing Prior To Commissioning	35	35	36	01-Feb-17	22-Mar-17	☑	-414	99 - 5-day	18-Jan-17	08-Mar-17	-10	-10
PW 03	Project Wide - Pre-Acceptance Phase Commissioning {2 Months}	40	40	40	23-Mar-17	17-May-17	☑	-414	99 - 5-day	09-Mar-17	03-May-17	-10	-10
PW 04	Project Wide - Acceptance Phase Commisioning {3 Months}	65	65	67	18-May-17	18-Aug-17	☑	-414	99 - 5-day	04-May-17	04-Aug-17	-10	-10
PW 05	Project Wide - Final System Test for Traffic {1 Month}	20	20	20	24-Jul-17	18-Aug-17	☑	-414	99 - 5-day	10-Jul-17	04-Aug-17	-10	-10
MS 10	MS-10: LD Milestone - Substantial Completion {Finish on 21Dec15}	0	0	0		18-Aug-17*	☑	-594	99 - 7-day		04-Aug-17	-14	-14



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

Critical Path - October 2014 Final Update Compared with September 2014 Final Update

TASK filters: Critical, No WBS Summary, TF < -300.

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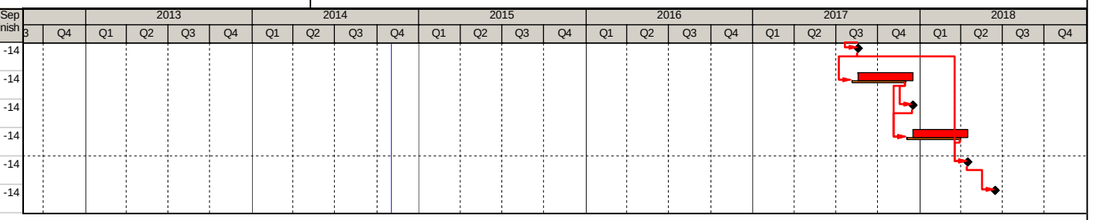
Activity ID	Activity Name	Original Duration	Remaining Duration	Sep 2014 Dur (ACD)	Start	Finish	Longest Path	Total Float	Calendar	Sep 2014 Start	Sep 2014 Finish	Var - Sep 2014 Start	Var - Sep 2014 Finish
PW 80	Project Wide - Start Post Substantial Completion Activities	0	0	0	19-Aug-17		☑	-594	99 - 7-day	05-Aug-17		-14	-14
PW 88	Project Wide - Final Inspection (120 CD - Substantial Completion to Physical Completion)	120	120	85	19-Aug-17	16-Dec-17	☑	-594	99 - 7-day	05-Aug-17	02-Dec-17	-14	-14
PW 85	Project Wide - Physical Completion (Substantial Completion + 120 CD) {Finish on 19Apr16}	0	0	0		16-Dec-17	☑	-594	99 - 7-day		02-Dec-17	-14	-14
PW 86	Project Wide - Final Pickup (120 CD - Physical Completion to Final Completion)	120	120	85	17-Dec-17	15-Apr-18	☑	-594	99 - 7-day	03-Dec-17	01-Apr-18	-14	-14
PW 90	Project Wide - Milestone - Final Completion (Substantial Completion + 240 CD) {Finish on 17Aug16}	0	0	0		15-Apr-18	☑	-594	99 - 7-day		01-Apr-18	-14	-14
PW 95	Project Wide - Milestone - Release Retainage (Final Completion +60 CD) {Finish on 16Oct16}	0	0	0		14-Jun-18*	☑	-594	99 - 7-day		31-May-18	-14	-14



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