

Activity ID	Activity Name	Org Dur	Start	Finish	Total Float	2014				2015	
						Sep	Oct	Nov	Dec	Jan	Feb
Total		924.75	29-Mar-12 A	13-Feb-15	48.88						
CSP-1252-UD27 Construction Tunnels Update 27 (April 2014)											
CP-1252 Contract Milestones											
TUN-01-1160	Milestone 3 - Complete Retrieval Shaft (req'd Jan 6, 2015)	0.00	29-Dec-14	29-Dec-14	8.00						▼ 29-Dec-14, CP-1252 Contract Milestone ◆ Milestone 3 - Complete Retrieval Shaft (r
General Conditions											
Contract Modifications											
TUN-02-1340	CM- 25: CP5 Ground Freeze	0.00	24-Dec-13 A	20-Nov-14	143.00						▼ 20-Nov-14, Contract Modifications CM- 25: CP5 Ground Freeze
Protection and Monitoring											
Instrumentation & Monitoring											
TUN-02-8030	Protection - Monitor Instrumentation	564.00	29-Mar-12 A	10-Nov-14	54.00						▼ 23-Jan-15, Prot 23-Jan-15, Inst
TUN-02-8060	Protection - Abandon Instrumentation	50.00	11-Nov-14	23-Jan-15	54.00						Protection - Aba
Pre and Post Construction Surveys											
TUN-02-8490	Protection - POSTconstruction Surveys @ Others	20.00	18-Aug-14	15-Sep-14	144.00						▼ 08-Jan-15, Pre and Post Cons
TUN-02-8460	Protection - POSTconstruction Surveys @ Cross Passage No 5	5.00	11-Nov-14	17-Nov-14	99.00						Protection - POSTconstruction Surveys @ Cross Passage No 5
TUN-02-8480	Protection - POSTconstruction Surveys @ Retrieval	5.00	30-Dec-14	06-Jan-15	67.00						Protection - POSTconstruction S
TUN-02-8420	Protection - POSTconstruction Surveys @ Launch Box	5.00	02-Jan-15	08-Jan-15	65.00						Protection - POSTconstruction
Southbound Tunneling											
TUN-07-1230	Tunneling - Disassemble and Extract Southbound TBM Trailing Gear	23.00	08-Aug-14	10-Sep-14	35.00						▼ 09-Oct-14, Southbound Tunneling Tunneling - Disassemble and Extract Southbound TBM Trailing Gear
TUN-07-1130	Tunneling - Clean Southbound Tunnel & Remove Utilities	25.00	11-Sep-14	09-Oct-14	42.00						Tunneling - Clean Southbound Tunnel & Remove Utilities
Northbound Tunneling											
TUN-06-1110	Tunneling - Disassemble Northbound TBM & Extract Trailing Gear	35.00	23-Jul-14	10-Sep-14	5.00						▼ 09-Oct-14, Northbound Tunneling Tunneling - Disassemble Northbound TBM & Extract Trailing Gear
TUN-06-1120	Tunneling - Clean Northbound Tunnel & Remove Utilities	25.00	11-Sep-14	09-Oct-14	42.00						Tunneling - Clean Northbound Tunnel & Remove Utilities
TUN-07-1150	Tunneling - Tunnels Complete	0.00		09-Oct-14	185.00						◆ Tunneling - Tunnels Complete
Retrieval Shaft											
Retrieval Shaft (PCC 10)											
Retrieval Shaft Instrumentation											
TUN-10-4120	Retrieval Shaft - Monitor Instrumentation	0.00	19-Sep-13 A	29-Dec-14	5.00						▼ 29-Dec-14, Retrieval Shaft 29-Dec-14, Retrieval Shaft (PCC 10) 29-Dec-14, Retrieval Shaft Instrumentati
Retrieval Shaft Construction											
TUN-10-3350	Retrieval Shaft - Construct Bulkhead SB Tunnel	10.00	10-Oct-14	21-Oct-14	42.00						▼ 29-Dec-14, Retrieval Shaft Construction Retrieval Shaft - Construct Bulkhead SB Tunnel
TUN-10-3360	Retrieval Shaft - Construct Bulkhead NB Tunnel	10.00	21-Nov-14	04-Dec-14	6.00						Retrieval Shaft - Construct Bulkhead NB Tunnel
TUN-10-3370	Retrieval Shaft - Remove Contractor Facilities from Shaft	5.00	29-Nov-14	04-Dec-14	6.00						Retrieval Shaft - Remove Contractor Facilities from Shaft
TUN-10-3380	Retrieval Shaft - Construct Roof Structure	5.00	05-Dec-14	10-Dec-14	6.00						Retrieval Shaft - Construct Roof Structure
TUN-10-3390	Retrieval Shaft - Site Restoration	15.00	11-Dec-14	29-Dec-14	6.00						Retrieval Shaft - Site Restoration
Cross Passages 1-5											
Crosspassge 5											
Cross Passage 5 Utilities											
TUN-11-6100	Cross Passage 5 Ground Improvements - Setup Traffic Control	1.00	02-Oct-14	02-Oct-14	44.00						▼ 20-Nov-14, Cross Passages 1-5 20-Nov-14, Crosspassge 5 23-Oct-14, Cross Passage 5 Utilities Cross Passage 5 Ground Improvements - Setup Traffic Control
TUN-11-6120	Cross Passage 5 Ground Improvements - Drill / Install Riser Pipe	5.00	03-Oct-14	09-Oct-14	44.00						Cross Passage 5 Ground Improvements - Drill / Install Riser Pipe
TUN-11-6130	Cross Passage 5 Ground Improvements - Install Sewer Manhole	5.00	10-Oct-14	16-Oct-14	44.00						Cross Passage 5 Ground Improvements - Install Sewer Manhole
TUN-11-6140	Cross Passage 5 Ground Improvements - Restore Site	5.00	17-Oct-14	23-Oct-14	44.00						Cross Passage 5 Ground Improvements - Restore Site
Cross Passage 5 Ground Improvements											
TUN-11-6310	Cross Passage 5 Ground Freeze - Remove Freeze Plant & Equipment	5.00	10-Nov-14	14-Nov-14	6.00						▼ 20-Nov-14, Cross Passage 5 Ground Improvements Cross Passage 5 Ground Freeze - Remove Freeze Plant & Equipment
TUN-11-6320	Cross Passage 5 Ground Freeze - Abandon Pipes & Repair Segments	5.00	15-Nov-14	20-Nov-14	6.00						Cross Passage 5 Ground Freeze - Abandon Pipes & Repair Segments
TUN-11-6150	Cross Passage 5 Ground Freeze Complete	0.00		20-Nov-14	143.00						◆ Cross Passage 5 Ground Freeze Complete
Cross Passage 5 Construction											
TUN-11-6200	Cross Passage 5 - Excavate & Install Initial Support (Cross Passage)	18.00	11-Sep-14	01-Oct-14	6.00						▼ 10-Nov-14, Cross Passage 5 Construction Cross Passage 5 - Excavate & Install Initial Support (Cross Passage)
TUN-11-6260	Cross Passage 5 - Excavate & Install Initial Support (Sump)	8.00	02-Oct-14	10-Oct-14	6.00						Cross Passage 5 - Excavate & Install Initial Support (Sump)
TUN-11-6210	Cross Passage 5 - Construct Final Liner (Sump)	5.00	11-Oct-14	16-Oct-14	6.00						Cross Passage 5 - Construct Final Liner (Sump)
TUN-11-6240	Cross Passage 5 - Construct Final Liner (Invert)	5.00	17-Oct-14	22-Oct-14	6.00						Cross Passage 5 - Construct Final Liner (Invert)
TUN-11-6250	Cross Passage 5 - Construct Final Liner (Arch)	15.00	23-Oct-14	08-Nov-14	6.00						Cross Passage 5 - Construct Final Liner (Arch)
TUN-11-6220	Cross Passage 5 - Install Misc Metals	1.00	10-Nov-14	10-Nov-14	65.00						▮ Cross Passage 5 - Install Misc Metals
TUN-11-6230	Cross Passage 5 Complete	0.00		10-Nov-14	80.00						◆ Cross Passage 5 Complete

Activity ID	Activity Name	Org Dur	Start	Finish	Total Float	2014				2015	
						Sep	Oct	Nov	Dec	Jan	Feb
Portal Structure		148.50	26-Aug-14	13-Feb-15	30.00						
TUN-12-1020	Portal Structure - F/R/P Base Slab	12.00	26-Aug-14	09-Sep-14	1.00	■					
TUN-12-1030	Portal Structure - F/R/P Lower Walls (to GL-3 & GL-8)	15.00	10-Sep-14	26-Sep-14	1.00	■					
TUN-12-1200	Portal Structure - F/R/P Roof (to GL-3 & GL-8)	15.00	29-Sep-14	17-Oct-14	0.00		■				
TUN-12-1040	Portal Structure - Construct Base Slab South of Launch Box (West)	7.00	20-Oct-14	28-Oct-14	0.00			■			
TUN-12-1050	Portal Structure - Partial Backfill of Launch Box & Install Bracing	5.00	29-Oct-14	04-Nov-14	0.00				■		
TUN-12-1060	Portal Structure - Install Support Beam & Remove Decking (West)	4.00	05-Nov-14	10-Nov-14	0.00					■	
TUN-12-1070	Portal Structure - F/R/P Upper Wall (West)	12.00	11-Nov-14	26-Nov-14	0.00						■
TUN-12-1080	Portal Structure - Install Utilities (West)	15.00	01-Dec-14	19-Dec-14	0.00						■
TUN-12-1190	Portal Structure - SFWD Tie-in Utilities (West)	10.00	15-Dec-14	29-Dec-14	0.00						■
TUN-12-1090	Portal Structure - Backfill Launch Box & Temp Restore (West)	7.00	22-Dec-14	31-Dec-14	0.00						■
TUN-12-1100	Portal Structure - Setup Traffic Control for Portal Structure (East)	1.00	02-Jan-15	02-Jan-15	0.00						■
TUN-12-1110	Portal Structure - SFWD Tie-in Utilities (East)	10.00	05-Jan-15	16-Jan-15	0.00						■
TUN-12-1120	Portal Structure - Remove Decking & Beams (East)	5.00	19-Jan-15	23-Jan-15	0.00						■
TUN-12-1130	Portal Structure - Construct Base Slab South of Launch Box (East)	6.00	21-Jan-15	28-Jan-15	0.00						■
TUN-12-1230	Portal Structure - East Final Restoration (North of Perry)	15.00	26-Jan-15	13-Feb-15	24.00						■
TUN-12-1140	Portal Structure - F/R/P Upper Wall (East)	12.00	29-Jan-15	13-Feb-15	0.00						■