TASK	DESCRIPTION	DURATION	2009			2010				2011				2012				2013			2014				2015				2016			
ID		DURATION	Q1	Q2 Q3	Q4	Q1	Q2 (Q3 (Q4 (Q1	Q2	Q3	Q4 (Q1	Q2 C	23 Q	4 Q	1 Q	2 Q	3 Q4	l Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1 0	22 (Q3 C	24
1	Begin Project	Milestone	\blacklozenge																													
2	Preliminary Geotechnical Field Work and Report	6 months																														
3	Preliminary Design for Design/Build Contract	12 months																														
4	Environmental Documents/Permits	18 months																														
5	Record of Decsision	Milestone						-	•																							
6	ROW Identification and Preparation	12 months																														
7	ROW Acquisition	6 months																														
8	Design/Build Early Activities/definition/outreach	12 months																														
9	Design/Build Contractor Advertising/Selection	6 months																														
10	Select Design/Build Contractor, award	Milestone				1			-	•																						
11	TBM machine specs + Industry involvement	12 months																														
12	Place order for TBM	Milestone				Ţ			- 🔶	•																						
13	Initial design / Order & Fabricate TBM	21 months																														
14	Deliver TBM	Milestone											•																			
15	Begin South Portal Construction	6 months																														
16	Drive Tunnel	18 months																														
17	Begin North Portal (extract TBM)	9 months																														
18	Install interior structural construction in tunnel	18 months																														
19	Install mechanical, electrical, life safety	18 months																														
20	Complete major work	Milestone																								•						
21	Commissioning tunnel systems	6 months																														
22	Tunnel open to traffic	Milestone																										•				
23	Complete ancilliary work-surface streets, etc.	6 months																														
24	Project complete																															\blacklozenge
		Acti vity																														
Follow-o																																

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