1. Challenge:
How to decide between a traditional Twin Bore (TB) versus an innovative Single Bore (SB) tunneling system for transit application?

2. Approach by VTA (the Owner):
Adopt a risk-informed, quantified Total Cost of Ownership decision-making process

Integrated schedule & cost life cycle time comparative risk analysis, aggregated to a P80 Level including cost of Operations & Maintenance (O&M) for first thirty years

4. Comparative results for a risk-based decision:
Comparable Base Cost for both schemes, SB with higher but controllable construction risks, SB selected for being community-friendly, SB faster into revenue operation, SB with more integrated-development opportunities

5. Outlook:
General Engineering Contractor (GEC) aboard Application for Federal Funding in 2020

6. Your Value Added:
Learn how to generically evaluate any type of alternatives by an integrated life cycle time cost & schedule probabilistic risk analysis