

# TRIUNITY



## SOUND TRANSIT: ST3 COST ASSESSMENT > STATUS UPDATE

March 4, 2021

# AGENDA

- » Introduction
- » Assessment Scope and Schedule
- » Assessment Process
- » Approach to Gaining Confidence in ST3 Estimates
- » Initial Findings and Recommendations
- » Questions

# ASSESSMENT SCOPE AND SCHEDULE

## **i. Review And Assessment Of Past Cost Estimates And Trends**

1. Draft Report – Week of March 25th Board Meeting
2. Final Report – April 2021

## **ii. Estimating Methodology Review and Recommendations**

1. Draft Report – May 2021
2. Final Report – June 2021

## **iii. Management Methodology Review and Recommendations (WSBLE)**

1. Draft Report – July 2021
2. Final Report – After Receiving Board Comments

# ASSESSMENT PROCESS

## i. Three Teams (Over 15 Total Estimators)

1. Bus Rapid Transit
2. Tacoma Dome Link Extension/OMF-South
3. West Seattle and Ballard Link Extensions

## ii. Specialty Experts Used

1. Tunnels
2. Bridges
3. Maintenance Facility
4. Real Estate
5. Systems
6. Environmental (added to team since last meeting)

## iii. What It Is Not

1. Not a bottoms up estimate

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Ott - Sakai  
**OS**  
& Associates, LLC

**COMMONSTREET**  
CONSULTING

**CAPO**  
PROJECTS GROUP

**ARCADIS**

# APPROACH TO GAINING CONFIDENCE IN ST3 ESTIMATES

## **i. Organize All Data By FTA SCC (Standard Cost Categories)**

1. 100% Scope Identified in FTA New Starts workbook
2. Consistent Methodology for all Projects
3. Alignment with Unit Cost Library (database)

## **ii. Breakdown Comparison By Route Alignment Types & Technologies**

1. At-Grade
2. Elevated/Aerial
3. Underground

## **iii. 80/20 Focus**

1. Analyze the 20% of items that carry 80% of Cost/Risk

# INITIAL FINDINGS & RECOMMENDATIONS

## i. Areas of Greatest Risk to Cost

1. Ground Conditions
2. Right-of-Way (ROW)
3. Environmental
4. Tunneling
5. Bridge Type

## ii. Recommendations for Further Investigation

1. Immature or Missing Estimate Content
  - Example: Underground stations
2. Improvements in Accuracy of Existing Content
  - Example: Unit Cost Library
3. Contingencies
  - Example: Risk-based vs Historical Trends

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## QUESTIONS

