



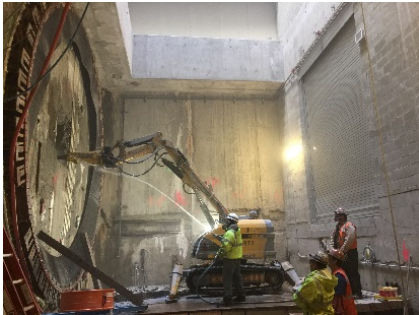
# Northgate Link Extension Briefing

Sound Transit Board Meeting

August 25, 2016

 **SOUNDTRANSIT**

- Project baselined – June 2012
- Budget: \$2.0 Billion
- Schedule – Anticipated completion September 2021
- Status:
  - within budget
  - on schedule



## Civil Design

- 10 contract packages
- Design completed – August 4

## System Design

- 1 contract package
- Design completion – September 6



Civil Construction – 10 contracts

Systems Work – 1 contract

Largest Contract – N125 TBM Tunneling

- Started September 2013; 4 ½ years duration
- Contract Value – \$500 million; 80% complete

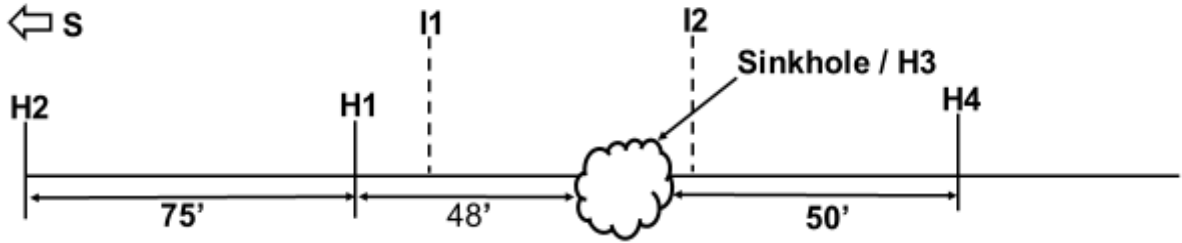




- TBM #2 Completed tunnel to UDS – March 24, 2016
- TBM #1 Completed tunnel to UWS – March 30, 2016
- Refurbished TBM #1  
Relaunched June 14, 2016
- Complete TBM Tunneling to UWS Aug. 30, 2016 (est.)
- Completed 36,600 LF of tunnels (200 ft to go)
- Skilled workers spent over 1.6 million hours on the job

# N125 Challenges

- Differing site conditions at cross passages
- Sinkhole @ 12<sup>th</sup> Avenue NE
- Noise & vibration on campus due to tunneling
- UW Football season
- Schedule Milestones – handover to station contractors



- Three GC/CM contracts nearing completion of pre-construction phase

## Roosevelt Station – N150

- GC/CM Construction contract to Board – Nov 2016

## U District Station – N140

- GC/CM Construction contract to Board – Jan 2017

## Systems Work – N830

- GC/CM Heavy Civil contract to Board – Feb 2017



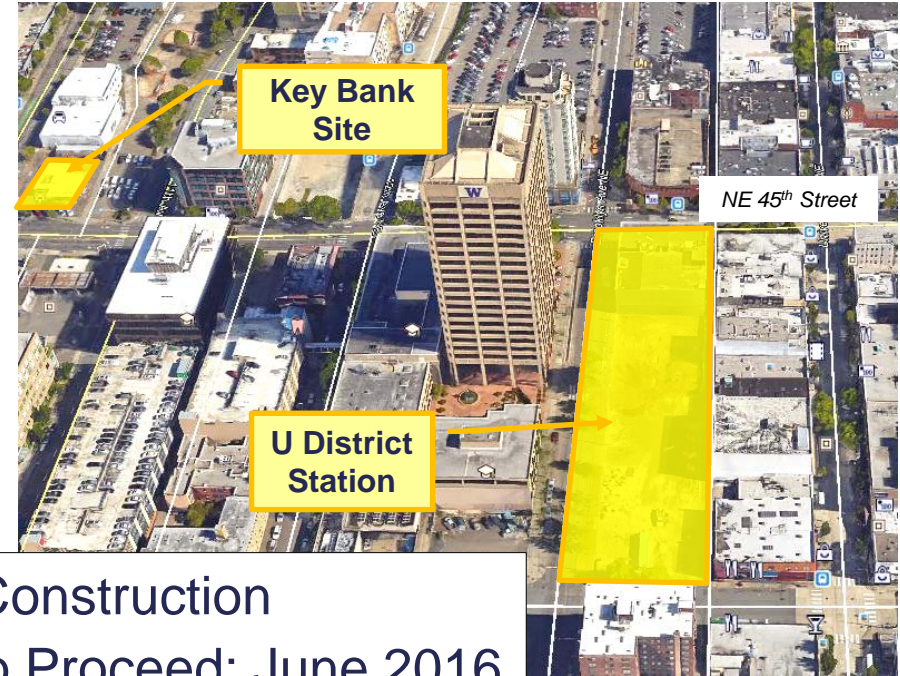
Four contracts bid and awarded since April

- All contracts Design-Bid-Build (D-B-B)
- Received 4 bids on each contract
- 3 of 4 low bids less than Engineer's Estimate
- Total amount of 4 contracts – \$250 million





## Demolition at Northgate and U District



- Contract with Pellco Construction
- Construction Notice to Proceed: June 2016
- Contract Amount: \$2.7 Million
- Provide space for parking & CM office

## 115kV Transmission Line Relocation I-5 ROW Near Northgate



- Contract with Potelco, Inc.
- Notice to Proceed: June 2016
- Contract Amount: \$2.8 Million
- Move power lines from 1<sup>st</sup> Ave NE to I-5 ROW

## Trackwork for Entire Northgate Extension



- Contract with Stacy & Witbeck
- Contract Awarded: July 2016
- Contract Amount: \$71.5 Million
- Provides all Northgate Link track, including noise and vibration mitigation

## Northgate Station, Elevated Guideway and Parking Garage



- Contract with Absher Construction
- Contract approval: August 2016 (on today's Board agenda)
- Contract amount: \$174 Million
- Significant features:
  - elevated guideway & station with transit island at street level
  - 450-stall partially below-grade parking garage
  - pedestrian and bicycle access improvements

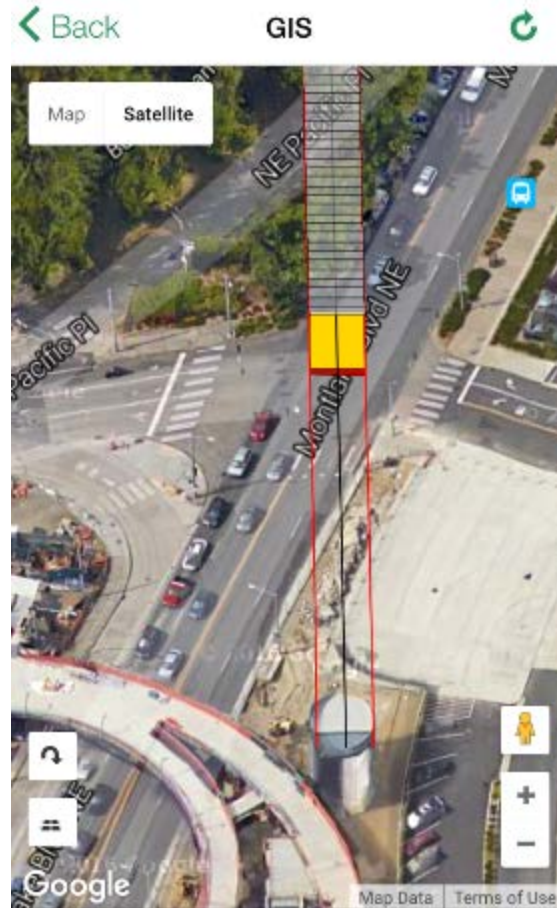


- Northgate property settlement agreement - King County Metro
  - ST acquires land and temporary easements for station construction
  - ST will build bus improvements and bus layover facility for KCM
  - ST will assume management of SPG parking garage lease in 2021
  - Board review - December
- Northgate pedestrian and bike improvement funding MOA - City of Seattle
  - ST funding contribution for SDOT's ped bridge and 1st Ave NE protected bike lane projects
  - Board review - November
- Northgate transmission line relocation cost-sharing MOA - City Light
  - If required in future
  - Board review - November



- Differing site and underground conditions
- Multiple contract interfaces
- Construction market conditions – price escalation, shortages
- Noise and vibration due to tunneling under campus
- Third party approvals – City, King County, WSDOT, UW

# Tunneling Progress as of 7 a.m. Today





Thank You

 **SOUNDTRANSIT**  
RIDE THE WAVE