

# Alaskan Way Viaduct Replacement City Update



City Council Briefing  
February 9, 2015



# Presentation Overview

- Settlement monitoring update
- Watermain status update
- Independent Structural Evaluation
- Contingency Planning
  - Near term: 72 hours through 1 week
  - Mid term: 1 week to 3 months
  - Long term: >3 months

# Settlement Monitoring Update

GPS Stations (data since 12/25/14):

- Century Link Field: no obvious settlement trend so far (stable)
- Occidental & Washington: no obvious settlement trend so far (stable)
- Yesler & Western: continued slow settlement trend

SPU Manual Survey (since rapid movement of Nov-Dec 2014):

- Reference points adjusted with agreement of WSDOT, STP and SPU, comprehensive update under way
- South of Yesler (biweekly): no continuing downward trend
- Western Ave (weekly): ongoing to verify GPS trend

Independent SPU consultant analysis of WSDOT/STP data indicates that localized settlement is ongoing on Western Ave

# Watermain Status Update

- Leak monitoring continues: no leaks detected
- Zone isolation continues
- SPU survey confirms watermain settlement
  - One point exceeds criteria on Western Ave watermain near Yesler, and other points are half criteria to Madison.
  - Settlement on watermain in 1<sup>st</sup> Ave exceeds one inch

# Alaskan Way Viaduct Independent Evaluation

- Consultant retained, notice to proceed 12/27/2014
- Underway – data collection and review
  - 2010 and 2014: 30 separate reports, 115 total volumes (largest is 30 volumes, over 12,000 pages)
  - Settlement documentation back to 2001
- Next – review of WSDOT structural analysis
  - Review of computer modeling, geotechnical analyses and assumptions, structural calculations, etc.
  - Draft technical memo expected in March

# AWV Emergency Traffic Management and Closure Plan – Near Term

- Initial stages of closure, for up to one week
- Viaduct closure and Metro reroutes within 4 hours
  - 12 routes carrying 24,000 daily riders
- Other changes within 12-24 hours
  - Extended parking restrictions, turn restrictions, transit priority on key corridors
  - Mid-day freight access through downtown
  - Signal changes, ongoing monitoring and adjustment
  - Restricted construction use of right-of-way
  - Traveler information and near-term TDM
- Updating one-page map and summary

# AWV Emergency Traffic Management and Closure Plan – Mid Term

- One week through 3 months
- Significant policy and resource choices
- Longer term implementation of near term strategies
  - Signal timing
  - Bus lanes and transit signal prioritization
- Consider:
  - Additional alternative freight routes
  - Additional transit supply options/resources
  - Adjustments to freeway and HOV system operation

# AWV Emergency Traffic Management and Closure Plan – Longer Term

- Maintaining access through extended construction
- Reducing the impact of future viaduct closures or further delays in construction
- Key questions:
  - What improvements are planned for 2015-2016 to enhance access?
  - What other access improvements are in the pipeline that we should consider accelerating?
- Early planning stages with partner agencies