North 21st Power Pole Replacement and Roadway Projects

City of Tacoma:

Tacoma Power, Public Works

December 6, 2016

Outline

- Pole Replacement Project
- Roadway Design / Policies
- Traffic Study
- Community Engagement
- Refined Options
- Next Steps

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Pole Replacement **Project**

- Replace Towers in North 21st Street and Westgate Center:
 - Remove 19 towers and old wire
 - Replace with 12 steel poles and new
- Upgrade three Tacoma Power substations
- Bypass & Retire Cushman Substation



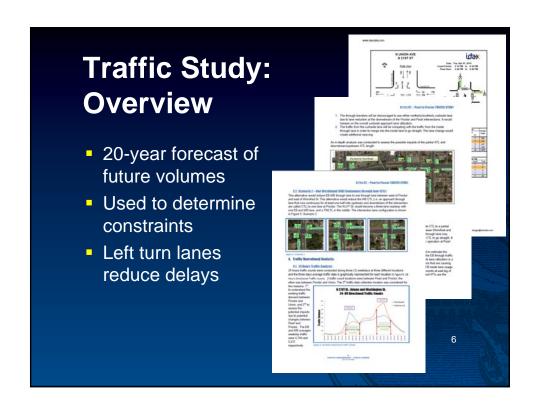


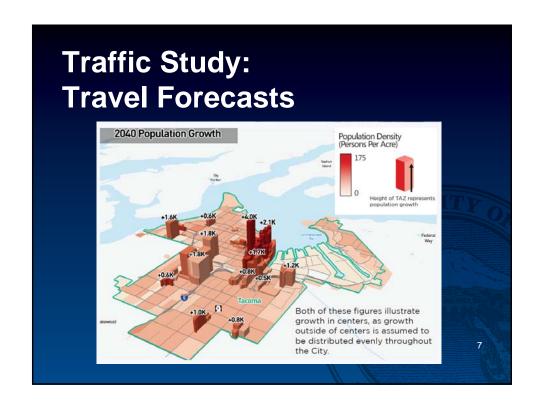
Roadway Design Policies

- Every street is a pedestrian priority street.
- The TMP identifies priority corridors for each mode.
- North 21st is a priority corridor for automobiles, transit, and bicycles.

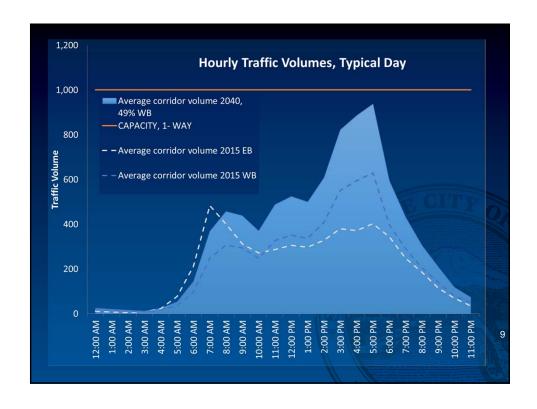


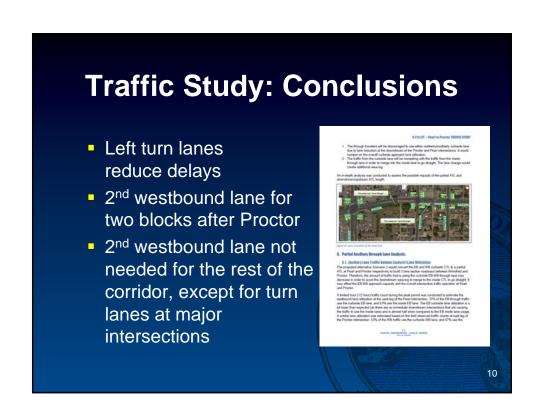


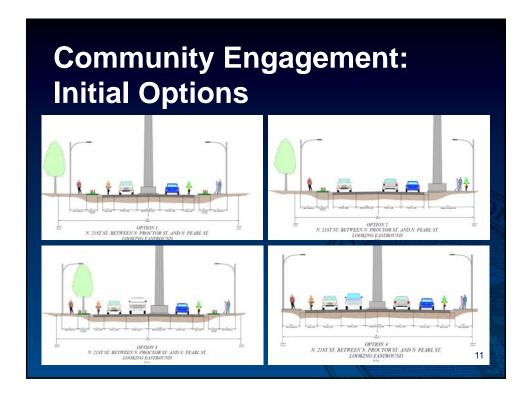




Traffic Study: Growth Rates		
Comparative Growth Rate	Annual Compound Growth Rate	Cumulative Growth, 2012- 2040
Historical (2007- 2015)	-2.1% (-15% total)	N/A
Model Growth / Study Assumptions	0.5%	14%
High Growth Scenario tested	1.4%	49%

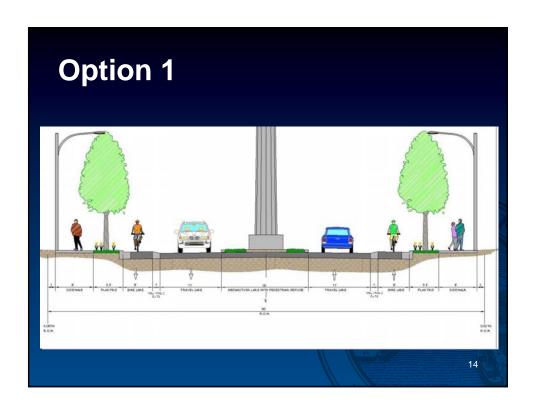


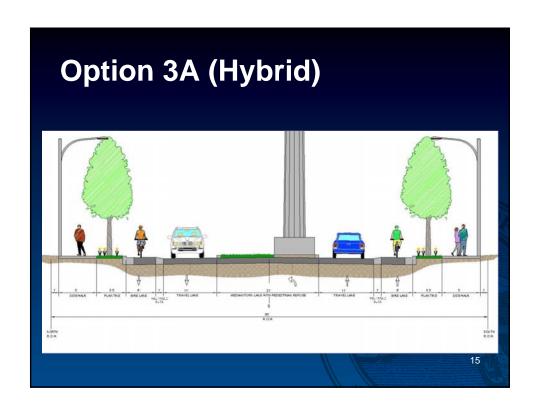




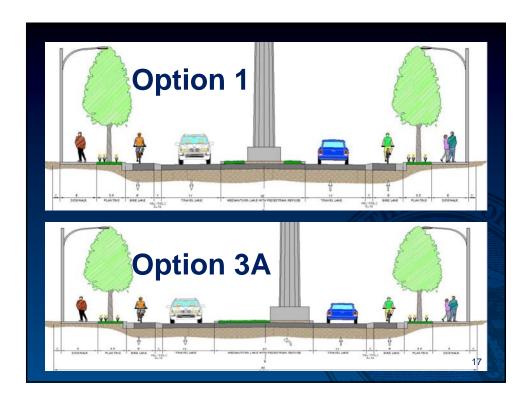
Community Engagement / Outreach North End Neighborhood Council Proctor Business District Public Meeting at UPS (over 2,000 invitations mailed) Proctor Farmers Market West End Neighborhood Council BPTAG Transportation Commission



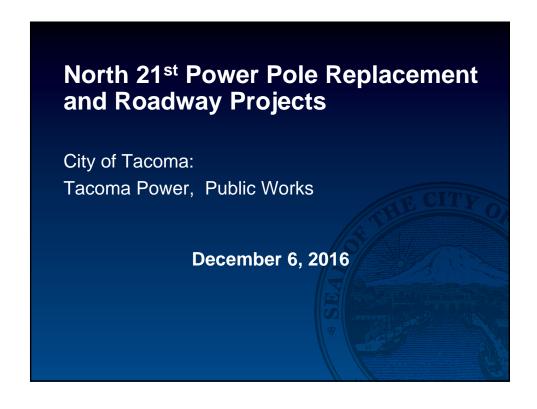


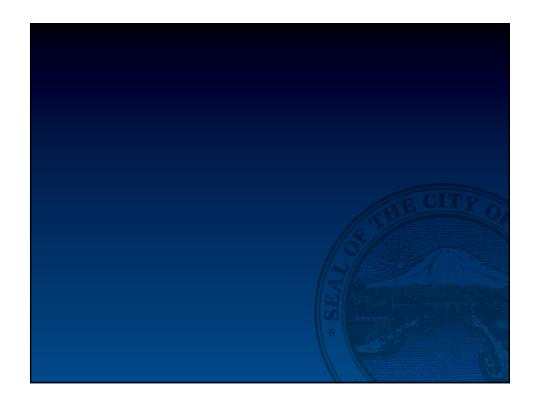


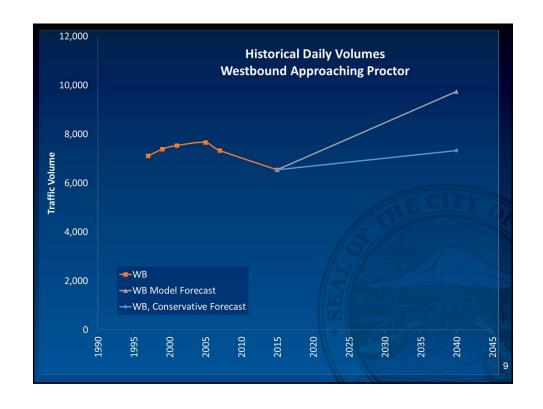
Option 1	Option 3A (Hybrid)	
Provides for 20-year traffic forecast	Provides for 20-year traffic forecast	
Buffered / protected bike lanes	Buffered / protected bike lanes	
Pedestrian refuge / single lane crossing	Pedestrian refuge / single lane crossing	
Sidewalks with planter strips	Sidewalks with planter strips	
Adds left turn lanes	Adds left turn lanes	
Room for Green Stormwater Infrastructure	Room for Green Stormwater Infrastructure	
~3-4' more for amenities	Less future diversion	
Opening year flexibility	Future year flexibility	



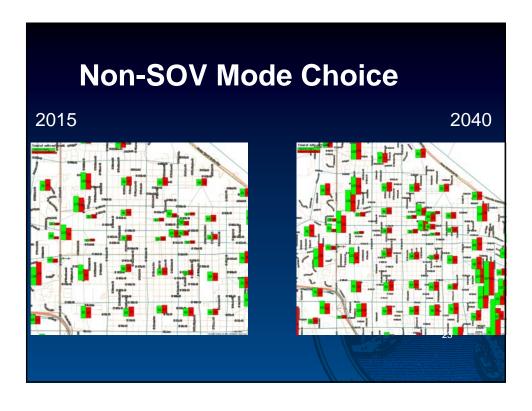
Next Steps PW refines roadway concepts in early 2017, begins applying for roadway grants Based on refined roadway design, TPU orders poles in 2017 for construction in 2018

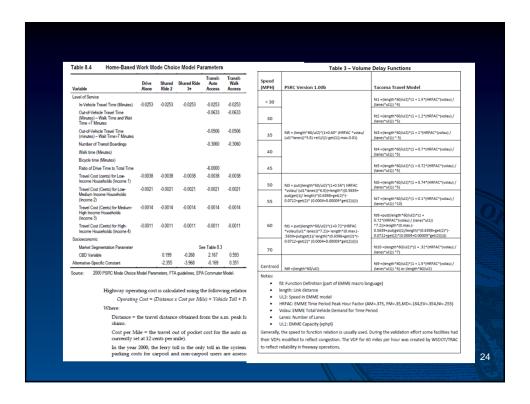




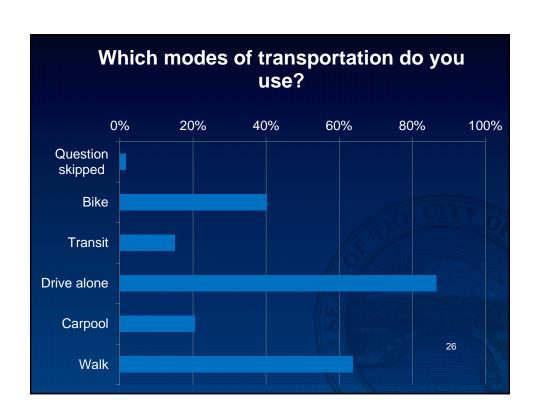












Representative Comments

- "Priority is pedestrian and bike safety."
- "Need to plan for 20-plus years."
- "I want it all ride, bike, walk."
- "Do not widen lanes. Get speeds lower."
- "4 lanes as is put bikes on side streets."
- "Need to control/enforce speed limits."
- "Protected lanes somewhere!"
- "Option 1 makes sense for kids needing to cross."

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