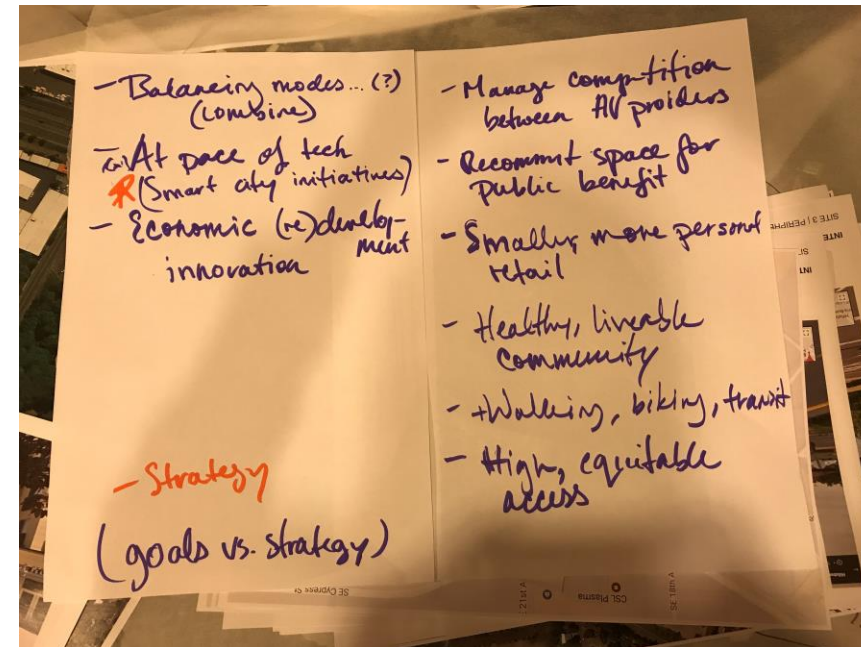


Breakout Session # 8: Urbanism Next Workshop AV's Effects on Urban Development

Objective: To broaden the discussion around AV development & deployment

How ...

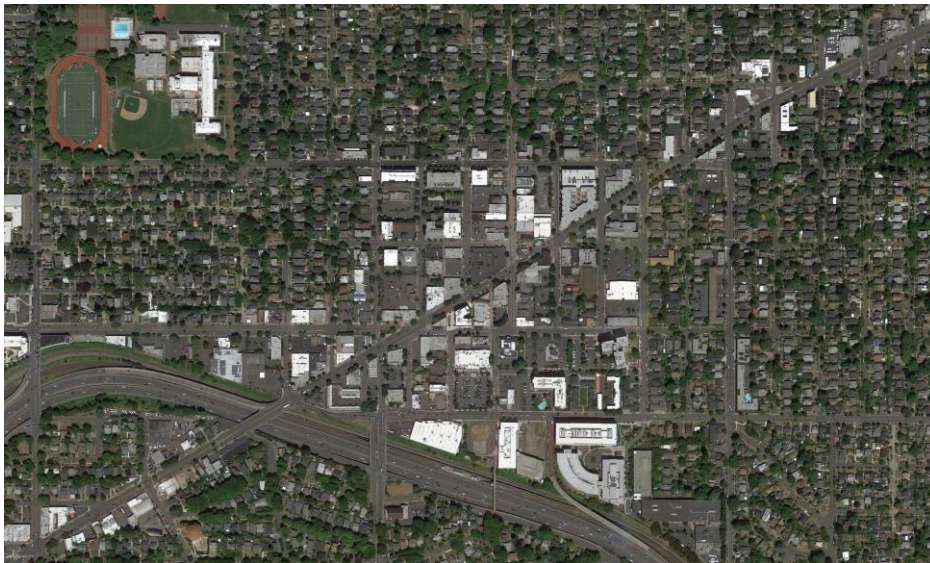
... and with whom?



Breakout Session # 8: Urbanism Next Workshop AV's Effects on Urban Development

Summary of Key Findings and Lessons Learned

Two sites studied: Pre-war "streetcar" suburb & post-war suburban big-box strip mall



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Summary of Key Findings and Lessons Learned: Pre-war "streetcar" suburb

Pre-war "streetcar" suburb – existing conditions:

- Currently there is excessive surface parking - **the area is over parked**
- Existing neighborhood well served by light rail & bus transit – **walkable & bike friendly**
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Pre-war “streetcar” suburb – potential development:

- Parking reductions of up to 90% in a shared AV environment will create **opportunities for infill development** – compatible with enhanced transit & shared AV environment
- Some of the freed up parking lots are **repurposed to neighborhood parks**
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Overall future outlook – Good

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Summary of Key Findings and Lessons Learned: Post-war suburban big-box strip mall

Post-war suburban big-box strip mall – existing conditions:

- **Big-box strip mall** dominated by surface parking foreground
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- Big-box retail **under pressure from E-commerce** [on-line retail]

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- AV induced parking demand reductions, combined with e-commerce, will provide **opportunities for infill development** – increased density **will create opportunities for enhanced transit**
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- **On-line retail reduces municipal sales tax revenues** – Cities need to find alternative tax sources
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Overall future outlook – Mixed [some good & some bad due to e-commerce impacts on malls]

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Recommended Action Items

- **Essential to recognize the downstream impacts of AV development and deployment**
 - These will be “game changers”
- **Critical to look at AV development and deployment in a holistic manner**
 - The AV community needs to understand the criticality of the “non-technical” issues
 - This goes well beyond the currently perceived regulatory issues
- **Need to understand who your stakeholders are and engage them in a meaningful manner**
 - Let's not have a replay of SF's “Google-bus” debacle – i.e. new mobility vs. city residents
- **AUVSI & TRB need to move this further up in the agenda for next years AVS 2018**
 - It's time to break out of our silos and think holistically – time to engage all stakeholders

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THANK YOU!