Modeling Future Street Options in an AV Future Using Restreet

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Available at: https://works.bepress.com/williamriggs/92/
The following exercise deconstructs an urban and a suburban streetscape using the Restreet.com participatory design tool. Restreet was created by William Riggs, Mike Boswell and Ryder Ross in 2016 as a code fork from the Code for America project Streetmix. The idea was to democratize the way we plan streets and synthesize that data for policy and decision-making. The streets depicted show right-of-way needs eroding due to the prevalence of autonomous vehicles creating efficiency or the policy decision to do so in advance of their adoption. The final two slides show the submissions from the over 6,000 users since September and the related summary statistics. All suggest that policy that supports traffic calming and lane reductions to support multimodal transport might be appropriate in the immediate future.

See the following references for more information:

- Restreet App: https://app.restreet.com/
- CityLab Feature: https://www.citylab.com/transportation/2017/09/an-app-for-democratizing-street-design/540837/
Urban Street: AV Future?

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15' Sidewalk
3' Sidewalk with
6' Bike lane
6' Bike lane
3' Bollard
9' Drive lane
9' Drive lane
12' Streetcar
4' Wayfinding sign
3' Sidewalk with
10' Sidewalk
Suburban: AV Future?
Suburban: AV Future? - Flex space

60' width (30' room)

15' Empty space
3' Side walk with
24' Planting strip
3' Side walk with
15' Empty space

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RESTREET allows you to recreate streets, share them and capture the feedback from others.

You can check out the "starting streets" we have made below and submit your thoughts.

Or you can create your own account so you can make your own streets and send them to other people to see what they think of them.

We look forward to seeing your thoughts and working together to rethink the future of our streets.
RESTREET Results for Urban Street: AV Future?

Starting Street

Urban Street: AV Future?