

## ORDINANCE No. 189294

Authorize an Intergovernmental Agreement with METRO for participation in the Sidewalk Labs, Replica pilot test in an amount not to exceed \$152,433 (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. Sidewalk Labs is seeking metropolitan regions to pilot test Replica, a data tool developed by Sidewalk Labs, a subsidiary of Alphabet, Google's parent company, that provides a high-fidelity, synthetic representation of how people travel during a typical week. The City of Portland's Bureau of Transportation (PBOT), along with Metro and TriMet, are interested in participating in a 12-month pilot test of Replica built for the Portland Region. As designed, Replica is capable of providing the City of Portland with rich data pertaining to transportation supply (the configuration of the roadway network, transit service, bicycle routes, and footpaths), transportation demand (representations of all personal travel that takes place in the region), land use (estimates of how land is used, for example, estimates of spatially-specific employment and school enrollment estimates as well as spatially and temporally-specific estimates of other activities, e.g., shop, eat, recreate), and demographics (including income, race, and household size). This data is not currently available to PBOT at the volume, depth, or frequency that the Replica tool is able to provide; and, access to this data, once validated, has the potential to greatly enhance PBOT's ability to understand how people are moving through our transportation system as well as if and how investments in this system ultimately impact mobility and motivate transportation choices.
2. Under the pilot test, Metro, TriMet and PBOT will work with Sidewalk Labs to develop acceptance criteria detailing the desired accuracy of Replica data with respect to traffic counts, passenger counts, model outputs, and other data used by public agencies within the Portland region. Metro, TriMet and PBOT will then draft and sign a contract with Sidewalk Labs that details the terms of the pilot test, including these acceptance criteria. This will be followed by a trial period during which Sidewalk Labs will make Replica data available to Metro, TriMet and PBOT to review and validate at no cost. If the data does not meet the acceptance criteria, Metro, TriMet and PBOT will terminate the agreement without making any payments. If it does, Metro, TriMet and PBOT will pay for a year's access to Replica, with data updated quarterly.
3. Metro will manage the Replica validation process, coordinating access to the tool and collecting feedback from TriMet and PBOT. Each agency will be responsible for

validating the data with respect to the criteria developed by that agency, i.e., Metro will be responsible for validating vehicle volumes, TriMet for transit ridership, and PBOT for validating bicycle and pedestrian volumes and movement.


4. Once Metro, PBOT and TriMet agree to accept Replica data, Sidewalk Labs will provide access to the data, updated quarterly, for the following year. Payment will be due to Sidewalk Labs upon receipt of each quarterly update, according to a predetermined payment schedule, agreed to by all parties involved.
5. During this period, Metro, Portland, and TriMet, as well as other public agency partners in the Portland region, will have full access to Replica data and documentation, as outlined in the terms and conditions of the agreement with Sidewalk Labs. Metro will convene monthly meetings with representatives of Sidewalk Labs to discuss product updates, user questions and feedback, and other issues; PBOT and TriMet will communicate questions and feedback to Metro and participate in these meetings as needed.
6. Once the year-long pilot test period is over, Metro, TriMet and PBOT will decide whether to continue jointly funding regional access to Replica.
7. The Bureau's level of confidence in the cost estimates for this project is 100%. Sidewalk Labs offers one year of access to Replica data based on the total population of the region for which Replica is being developed, at a cost of 20 cents per person. Based on the most recent population data available from the American Community Survey, the population of the Portland metropolitan area (Multnomah, Washington, Clackamas, and Clark [WA] Counties) is 2,296,500, so the total cost of accessing data during the pilot test will be \$457,300. Metro, TriMet, and PBOT will each pay a total of \$152,433.33. The City's share will be paid from General Transportation Revenue that was requested in the Fall '18 BMP

NOW, THEREFORE, the Council directs:

- a. That the Commissioner-in-Charge is hereby authorized to enter into a contract with METRO in a form similar to the contract attached as Exhibit A.

Passed by the Council, DEC 12 2018

Commissioner Chloe Eudaly  
Prepared by: Michael Kerr; CB  
Date Prepared: October 9, 2018

**MARY HULL CABALLERO**  
Auditor of the City of Portland  
By 

Deputy

Agenda No.  
**Ordinance NO. 189294**  
Title

*Intergovernmental Agreement*

✓ Authorize a contract with METRO for participation in the Sidewalk Labs, Replica pilot test in an amount not to exceed \$152,433.33 (Ordinance)

<b>INTRODUCED BY</b> Commissioner/Auditor: <b>Chloe Eudaly</b>	CLERK USE: DATE FILED <u>NOV 27 2018</u>
<b>COMMISSIONER APPROVAL</b>	<p>Mary Hull Caballero Auditor of the City of Portland</p> <p>By: <u><i>Pusan Parsons</i></u> Deputy</p> <p><b>ACTION TAKEN:</b></p> <p>DEC 05 2018 PASSED TO SECOND READING DEC 12 2018 9:30 A.M.</p>
Mayor—Finance & Administration – Wheeler	
Position 1/Utilities - Fritz	
Position 2/Works - Fish	
Position 3/Affairs - Saltzman	
Position 4/Safety - Eudaly <i>DE</i>	
<b>BUREAU APPROVAL</b>	
Bureau: PBOT Group: Business Services Group Manager: Jeramy Patton <i>JP</i> Director: Chris Warner <i>CW</i>	
Prepared by: Michael Kerr; Principal Management Analyst:CB <i>mk</i> Supervisor: Jeramy Patton Date Prepared: October 8, 2018	
Impact Statement Completed <input checked="" type="checkbox"/> Amends Budget <input type="checkbox"/>	
Portland Policy Document If "Yes" requires City Policy paragraph stated in document. Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
<b>City Auditor Office Approval:</b> required for Code Ordinances	
<b>City Attorney Approval:</b> required for contract, code, easement, franchise, charter, Comp Plan <i>Kam</i>	
Council Meeting Date <b>December 5, 2018</b>	

<b>AGENDA</b>
<b>TIME CERTAIN</b> <input type="checkbox"/> Start time: _____ Total amount of time needed: _____ (for presentation, testimony and discussion)
<b>CONSENT</b> <input checked="" type="checkbox"/> <i>fulled.</i>
<b>REGULAR</b> <input type="checkbox"/> Total amount of time needed: _____ (for presentation, testimony and discussion)

FOUR-FIFTHS AGENDA	COMMISSIONERS VOTED AS FOLLOWS:		
		YEAS	NAYS
1. Fritz	1. Fritz	✓	
2. Fish	2. Fish	✓	
3. Saltzman	3. Saltzman	✓	
4. Eudaly	4. Eudaly	✓	
Wheeler	Wheeler	✓	