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Live at the Bellevue Transportation Center!

Franz Loewenherz is with Victor Bahl and Ganesh Ananthanarayanan at Bellevue City Hall.

November 22, 2017 · Bellevue ·

Grateful to be working with a great team at the City of Bellevue and Microsoft Research on transportation solutions that will make mobility more efficient and safer. Happy Thanksgiving!

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Institute of Transportation Engineering 2017 Achievements Award

2017 ITE EXCELLENCE IN TRANSPORTATION AWARDS

ite Toronto 17
Annual Meeting and Exhibit
July 30 - August 2

Video Analytics analyzes traffic camera video footage and uses near-miss collisions to predict where future crashes are likely to occur. Traffic engineers could then take corrective action to prevent them. File photo

Bellevue video analytics project receives safety award

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US Department of Transportation 2016 Safer Cities, Safer People Award

U.S. Department of Transportation **MAYORS' CHALLENGE**

GATHER DATA

Winner! Bellevue, Washington

Bellevue, WA, pursued a range of data collection activities during the Mayors' Challenge to identify barriers to bicycling and walking, prioritize improvements, and guide investments. In February 2015, the Bellevue City Council introduced the Pedestrian and Bicycle Implementation Initiative (PBII) to improve safety for people of all ages and abilities who walk and bike in Bellevue. Using data collected from online emphasized understanding long-term trends and gathering feedback from people who walk and bike. Bellevue's PBII team:

- Conducted a longitudinal assessment from 2006–2015 of non-motorized collisions using the USDOT's Pedestrian and Bicycle Crash Analysis Tool (PBCAT) system;
- Gathered input using key-pad polling and comment cards at 20 public meetings and an open house that attracted 140 attendees; and
- Used online surveys to solicit public input at two stages in the BRIP development process;
  - Over 700 people placed more than 1,600 points in the first online map to identify locations that they felt were unsafe for walking and bicycling;
  - Over 120 people submitted more than 400 comments on conceptual designs for 52 proposed projects to make the pedestrian and bicycle systems safer.

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Global Partners

Video Analytics for Vision Zero

We are enabling Vision Zero, a worldwide initiative that focuses on reducing traffic related accidents. Traffic accidents rank in the top-10 causes of deaths in the world.

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PRESS RELEASE

FOR IMMEDIATE RELEASE:
August 30, 2017

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Mayor Bowser to Mobilize Residents in Vision Zero Crowdsourcing Partnership

Analysis of Traffic Camera Footage to Support Vision Zero

(WASHINGTON, DC) – Today, as part of Washington, DC's Vision Zero initiative, Mayor Bowser announced the Video Analytics Towards Vision Zero project, a cutting-edge partnership between the District and Microsoft that will use video footage and crowdsourcing to prevent traffic accidents. The project will tap artificial intelligence and new technologies to analyze traffic camera video footage and use near-miss collisions to predict where crashes are likely to occur in the future.

"Using video analytics to achieve Vision Zero is one more way we are building a smarter, safer, stronger DC," said Mayor Bowser. ***"Residents know traffic issues in their neighborhoods better than anyone, and now we will be able to leverage their knowledge with our existing camera infrastructure in order to prevent crashes and injuries before they occur."***

The District has over 130 closed circuit television cameras around the city that are used to observe traffic conditions at intersections, and as part of this project, Microsoft has developed a crowdsourcing platform that will allow members of the public to review video footage and use tracking tools to identify movements and objects. People will be able to identify objects such as pedestrians, bicyclists, drivers, and motor-vehicles. The feedback will be used as part of a process where people will teach computers how to tell the difference between different movements and modes of transportation. Ultimately, instead of a person watching hours of video, computer algorithms will be able to analyze millions of hours of footage.

"The video analytics project will help us identify potential hazards at intersections throughout the District. Traditionally, we have used crash data for this purpose, but this new approach will help DDOT detect problems before crashes happen and before anyone is injured," explained DDOT Interim Director Jeff Marootian.

"Computer vision algorithms applied to video feeds from traffic cameras have a huge potential of improving traffic flow and reducing traffic crashes and fatalities. We are working diligently on this because we truly believe the societal impact will be significant," said Microsoft Research Distinguished Scientist Victor Bahl.

Residents can participate in the crowdsourcing platform by visiting the program website: http://www.ite.org/visionzero/videoanalytics/.

Vision Zero is the District's plan to eliminate fatalities and serious injuries to people walking, biking, and driving within Washington, DC by the year 2024. To learn more about Washington, DC's Vision Zero initiative, visit ddot.dc.gov/page/vision-zero-initiative.

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Social Media:
Mayor Bowser Twitter: @MayorBowser
Mayor Bowser Instagram: @Mayor_Bowser
Mayor Bowser Facebook: facebook.com/MayorMurielBowser
Mayor Bowser Website: mayor.dc.gov

Video Analytics for Vision Zero

We are enabling Vision Zero, a worldwide initiative that focuses on reducing traffic related accidents. Traffic accidents rank in the top-10 causes of deaths in the world.

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Buzz in the press!

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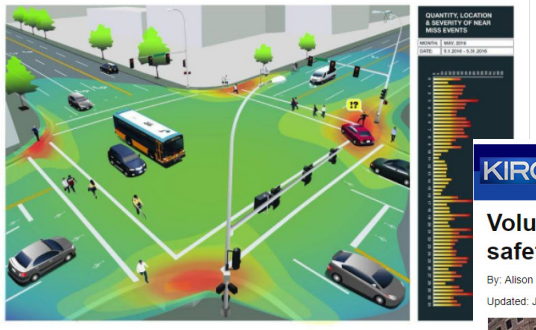

Bellevue premieres national program to reduce traffic deaths

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BY LISA STIFFLER on June 1, 2017 at 6:00 am

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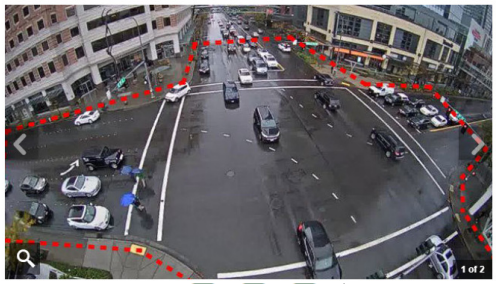
By: Alison Grande

Updated: Jun 1, 2017 - 6:53 PM



GREATER GREATER WASHINGTON

The Washington, DC region is great and it can be greater.

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We can use data to achieve Vision Zero by spotting dangerous places before crashes happen

ROADS By Daniel Warwick (Advocacy Committee) June 19, 2017 9

Vision Zero video tool analyzes intersections for dangerous traffic conflicts

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Business › Services

Souriez, vous êtes une donnée

Jamal El Hassani
JDN
Mis à jour le 21/02/18 19:12

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Trafic, stationnement, sécurité routière... Grâce à l'intelligence artificielle, les caméras de vidéosurveillance deviennent une source de data exploitables pour les collectivités.