



INTELLIGENT CITY ADVISORY COMMITTEE

December 8, 2017 - 9:00 a.m.
Council Chamber Meeting Room, City Hall

MINUTES

MEMBERS PRESENT:

Councillor Bill Harper	- Co-Chair, City Council
Councillor Mary Trentadue	- Council Representative
Gerry Akkerman	- TransLink
Brigid Canil	- Ministry of Transportation
Ron Cann	- Community Member
Michael Hrybyk	- Co-Chair
William Laycraft	- Community Member
Maryam Naser	- New Westminster School District
Wendy Parry	- Douglas College Representative

MEMBER REGRETS:

Reg Nordman	- Business Community Member
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GUESTS:

Mayor Jonathan Côté
Paul Romein

STAFF:

Ruby Campbell	- Intergovernmental and Community Partnerships Manager
Rod Carle	- General Manager, Electrical Utility
Alvin Chok	- Chief Information Officer
Blair Fryer	- Manager, Communications and Economic Development
Patricia Jecks	- Intelligent City Project Coordinator
Tristan Johnson	- Planning Analyst, Development Services
Ryan San	- IT Supervisor, New Westminster Police Department
Duo Yang	- Business/System Analyst Programmer
Heather Corbett	- Committee Clerk

The meeting was called to order at 9:03 a.m.

1.0 ADDITIONS / DELETIONS TO AGENDA

There were no additions to the agenda.

2.0 ADOPTION OF MINUTES

2.1 Adoption of the Minutes of October 13, 2017

MOVED and SECONDED

THAT the minutes of the October 13, 2017 Intelligent City Advisory Committee be adopted.

CARRIED.

All members of the Committee present voted in favour of the motion

3.0 PRESENTATIONS

3.1 Intelligent Transportation Systems Pilot Project

Lisa Leblanc, Manager, Transportation, gave a PowerPoint presentation on the Intelligent Transportation Systems Pilot Project, covering the following information:

- The City's Master Transportation Plan (MTP), including:
 - Vision
 - Hierarchy
 - Goals
 - Targets
 - Approaches, including leveraging limited resources and using robust measurement; and
 - Questions and priorities to examine using transportation data;
- Background on Miovision Technologies, a transportation technology firm that the City is working with in order to analyze traffic data and movements;
- The City's Pilot Project, which will take place on Columbia Street in 2018, and will examine the following five objectives:
 - Multi-modal transportation data collection and analysis;
 - Origin-destination analysis;
 - Corridor optimization;
 - Travel time analysis; and,
 - Intersection conflict analysis.

In response to questions from the Committee, Ms. Leblanc provided the following information:

- As retail shifts, it is expected that the modes used to transport goods and services will change, however this is not a predominant conversation in the City at this time;
- Lighting is a key part of the transportation section's safe and efficient transportation network;
- The City is attempting to secure no net increase in through traffic via establishing partnerships, working regionally, and ensuring the City's place in the region;

- The sensors and cameras that Miovision propose to use in the Pilot Project would pick up telemetry data, origin type data and video data using the City's fibre network;
- Data would also be captured from mobile phones via location services;
- The video data that is captured would be stored on the camera for a week. It would not be high enough quality for ICBC purposes, however the intention is to analyze it;
- The data will be collected for a year, which would provide other environmental and seasonal data, such as weather patterns, to study how they affect traffic;
- The data would be the property of the City and, if properly anonymized, could be used for open data purposes; and,
- The objective of the study is to test a limited corridor and assess the data to then evaluate where to test next.

Procedural Note: Item 4.1b) was addressed before item 3.2.

3.2 Update on the Google Smart City Summit and TransLink's Smart Region Initiatives

Gerry Akkerman, Director, Business Technology Planning, TransLink, gave a PowerPoint presentation on his experience at the Google Smart City Summit and on TransLink's Smart Region Initiatives, covering the following information:

- The vision of Smart Cities and how political interoperability (working together within different levels of government) could occur;
- Some learning results from the Google Smart City Summit:
 - Transparency is a key to success – let people know the aims and results;
 - WHIM: Mobility as a service, where users would pay one single payment for transit, car share, bike share etc.;
 - Examples from Singapore Transit and autonomous vehicles;
 - Examples from Transport for London, where the importance lies in using their vast quantities of data effectively;
 - Data is Google's most powerful tool;
- TransLink's priorities and initiatives, including:
 - Supporting a Smart Region through mobility management;
 - Real Time Transit;
 - Mobility pricing initiatives, including:
 - On demand transit;
 - Compass card innovations;
 - Upgrading Wi-Fi systems and on-bus technology;
 - Possible traffic system priority signals;
 - TransLink Mobility Solutions Lab – participating in developer camps, hackathons etc.; and,
 - Strengthening relationships with transportation partners, with the aim of building regional intelligence and connectivity.

In response to questions from the Committee, Mr. Akkerman provided the following information:

- TransLink is not applying on its own for the Smart Cities Challenge, but could be available in a support role for a larger, regional collaborative application.

4.0 REPORTS AND INFORMATION

4.1 Working Team Updates

a) Inclusion

Wendy Parry, Douglas College Representative, updated the Committee regarding the Inclusion Working Group's key initiatives, reporting that the Group had recently held a whiteboard session, and they were continuing to build out the work with open source learning.

b) Innovation

Paul Romein (standing in for Reg Nordman) updated the Committee regarding the Innovation Working Group's progress on the proposed Open Data Platform, including the following information:

- The concept for the proposed platform would be an ODEN (open data exchange network), which would be a functional and easy solution for developers to discover and work with data;
- ODEN would provide a standard for open data - a way for developers to discover the open data, and share converters and parsers;
- Apps would be linked to the platform and would be openly available to view; and,
- The City would be able to view which datasets are being accessed.

In response to questions from the Committee, Mr. Romein provided the following information:

- ODEN would be based on open source philosophy;
- Information and data could be shared across multiple cities because it would be a common operating platform;
- The committee is not aware of any current municipality-based systems, such as the one proposed;
- No real time data is available from the City currently; and,
- This would make a difference to developers, as they would not need to write different apps for different cities.

Discussion ensued and the Committee noted the following:

- It may make sense to invite other municipalities to participate and collaborate at this early stage and avoid duplication; and,
- As the City is working with TransLink for Hackathon, this project could be initiated by this time.

MOVED AND SECONDED

THAT the ICAC support the concept of ODEN being used as a proof of concept pilot and case study for the February 2018 Hackathon.

CARRIED.

All members of the Committee present voted in favour of the motion.

c) Knowledge Workforce

Patricia Jecks, Intelligent City Project Coordinator, updated the Committee regarding the Knowledge Workforce Working Group's key initiatives, including:

- Continued work with schools and colleges towards a future vision; and,
- The Maker Space survey, which had received 200+ responses and may yield a great deal of potential involvement for the Committee. Patricia will share the results of the survey at a future meeting.

d) Marketing & Advocacy

Ron Cann, Community Member, updated the Committee regarding the Marketing & Advocacy Working Group's BridgeNet HUB project, and outlined the first of three phases:

- Phase 1 would target Q1 of 2018 to set up the first location, possibly in the Anvil Centre,
- Currently, the scope, timeline and budget are being determined; and,
- A location in the Youth Centre would be targeted for Q2.

Mr. Cann discussed other projects being addressed by the Marketing and Advocacy Working Group, including the following:

- IC Vision Video: A video showing what an Intelligent City looks like, which will be leveraged during innovation week; and,
- Hive City Engagement display: A display wall to help engage the public in intelligent city principles.
- User-Centric design principles: more discussion is needed on whether user centric design could be built in to the IC strategy.

e) Infrastructure

Brigid Canil, Ministry of Transportation Representative, updated the Committee regarding the Infrastructure Working Group's current status:

- Infrastructure: BridgeNet is now installed from City Hall across the Queensborough bridge to Ewen Ave;
- 10 MDUs are connected, with 12 in the process of connection and 30 planned for 2018;
- 2 business premises are connected and a dialogue has begun with ISPs on pricing;
- Discussions with the City of Delta are in process on the potential of linking up Annacis Island; and,
- Douglas College is the first institution to be connected, with the Justice Institute coming on line in 2018 and the possibility of the City of Richmond School District (SD38), once fibre is installed in Queensborough.

Alvin Chok, Chief Information Officer, indicated that Shaw would present at the next ICAC meeting on a Wi-Fi proposal and microcell installation.

5.0 UNFINISHED BUSINESS

There were no items.

6.0 NEW BUSINESS

6.1 Smart Cities Challenge Update

Patricia Jecks spoke briefly about the Smart Cities Challenge and reiterated the earlier discussion that a regional collaboration could be a possibility. She indicated that the application is due by April 24th and that the City would leverage a community engagement process to gather community input, which will be analyzed and used to create the Smart Cities Challenge proposal.

6.2 Intelligent New West: A Smart Cities Dialogue – February 28th, 2018

Patricia Jecks briefly provided information about the *Intelligent New West: A Smart Cities Dialogue* event on February 28th, and indicated that more information would go out to the Committee via email.

6.3 SharePoint Update

Patricia Jecks briefly provided background on the SharePoint Group that has been set up, which is intended to be a secure space for voting members of the Committee to collaborate and share information relevant to the Committee. She advised that the Committee members would receive invitations from the City to join the site, and that this would replace the current shared Dropbox system.

Duo Yang, Business/System Analyst, gave a demonstration of the SharePoint site, including the:

- Home page;
- Discussion board;
- Documents section and folder structure; and
- Search functionality.

6.4 UBC Collaboration Update

Patricia Jecks indicated that more information on this topic would go out to the Committee via email.

6.5 Mobility

The Committee briefly discussed the notion of a Mobility working group within the ICAC sub-committees, as mobility has been identified as a key priority in the City.

Committee members made the following comments:

- The City already has multiple groups that discuss transportation, including task forces and committees, however a crossover group could be a possibility; and,
- This would be a question of resources available and where the working group would fit among the City's other Committees.

7.0 NEXT MEETING

The next scheduled ICAC meeting is **Friday, March 9 at 9 a.m.**

8.0 ADJOURNMENT

ON MOTION, the meeting was adjourned at 11:02 a.m.

Certified correct,

ORIGINAL SIGNED

Councillor Bill Harper
Co-Chair

ORIGINAL SIGNED

Michael Hrybyk
Co-Chair

ORIGINAL SIGNED

Heather Corbett
Committee Clerk