

THE CORPORATION OF THE CITY OF VERNON

**MINUTES OF A COMMITTEE OF THE WHOLE MEETING
HELD MONDAY, JULY 29, 2019**

PRESENT: Acting Mayor B. Quiring
(Mayor V. Cumming, absent)

Councillors: A. Mund, K. Gares, S. Anderson, K. Fehr,
D. Nahal

Staff: W. Pearce, CAO
P. Bridal, Deputy CAO, Director, Corporate Services
S. Blakely, Manager, Legislative Services
D. Law, Director, Financial Services
K. Flick, Director, Community Infrastructure & Development
S. Koenig, Director, Operations*
B. Bandy, Manager, Real Estate*
M. Dowhaniuk, Manager, Infrastructure Management
M. Massier, GIS Asset Management Analyst
G. Mulligan, Infrastructure Management Technician
T. Scott, Infrastructure Engineer

*Attended as required

CALL TO ORDER

Acting Mayor Brian Quiring called the meeting to order at 8:40 am.

AGENDA ADOPTION

Moved by Councillor Mund, seconded by Councillor Gares:

THAT the Agenda for the July 29, 2019 Committee of the Whole meeting be adopted, as presented.

CARRIED.

**ADOPTION OF THE
MINUTES**

Moved by Councillor Mund, seconded by Councillor Fehr:

THAT the minutes of the Committee of the Whole meeting of Council held July 8, 2019, be adopted, as presented.

CARRIED.

Councillor Anderson entered the meeting at 8:42 am.

BUSINESS ARISING FROM THE MINUTES

GENERAL MATTERS

UNFINISHED BUSINESS

NEW BUSINESS**PRESENTATION: LIDAR
AND FLOOD MAPPING**

Margie Massier, GIS Asset Management Analyst, and Geoff Mulligan, Infrastructure Management Technician provided a presentation regarding LIDAR.

The following points were noted:

- Why we got LIDAR - reviewed
 - 2017 Flooding
 - Realization better flood maps were needed for preparedness
 - Video Clip played
 - LIDAR creates high resolution surface map
 - Maps where flood plains are and where flooding is likely
 - Flies on airplane and produces map of area
 - Can be used after fires to determine changes
 - Okanagan Basin Water Board mapped from Armstrong through to American border
 - Data based on to local governments
- LIDAR as a Solution
 - NIR light pulsed out by a laser (mounted on aircraft/vehicles)
 - Light bounces off objects and returns to sensor
 - Time light takes to reach the sensor is how elevation is measured
- Clip of dataset reviewed
- Acquisition Process – Grant Application “Madness”
 - National Disaster Mitigation Program
 - RDOS, RDCO, ONA, Kelowna, Armstrong
 - BC Community Emergency Preparedness Fund
 - RDCO, RDNO, Kelowna, Armstrong, Penticton
 - Applications together included about \$350K for LiDAR
- Made more sense to do it as one project
- Collaboration Pays Off – Emergency Management BC LIDAR Funding \$1.45 M
 - All LIDAR done as one giant project
 - Standardized dataset
 - Included Orthophotos
 - All LIDAR budgets in grants were redirected to flood mapping
 - Project entirely managed by Okanagan Basin Water Board (OBWB)
 - Data acquisition/quality control/distribution all handled by GeoBC
- COV paid for Acquisition of super high definition LIDAR
 - Funded in part through current Drainage

Infrastructure Prioritization Study

- Vernon ended up with very detailed LiDAR mapping of the community
- Future capabilities reviewed
 - Potential Uses
 - Urban Canopy Assessments
 - Fire Hazard Assessments
 - Building & Roof Footprints
- Future
 - Mapping Collaboration
 - Consistent Flood Construction Levels/Zoning
 - OBWB data sharing agreement will cover Okanagan local governments and First Nations
 - Other Users need data sharing agreements with GeoBC
 - Within 3 Years all data will be open to public
 - Supports upcoming projects (Flood Mapping)

Moved by Councillor Nahal, seconded by Councillor Anderson:

THAT Council receives the presentation regarding LIDAR as provided by Margie Massier, GIS Asset Management Analyst, Geoff Mulligan, Infrastructure Management Technician.

CARRIED.

Trevor Scott, Infrastructure Engineer provided a presentation regarding Flood Mapping.

The following points were noted:

- Who is doing what
 - Okanagan Basin Water Board (OBWB) Flood Mapping of Okanagan Basin
 - Okanagan Nation Alliance (ONA) Flood and Debris Flow Risk Assessment
- What has been completed to date
 - OBWB LIDAR, Hydraulic Modelling
 - ONA Flood and Debris Flow Mapping
- How it applies to the City of Vernon
 - 1:200 Year Lake Water Levels
 - Flood management planning with neighboring communities
- What Vernon is doing for flood planning
 - Detailed flood mapping for the city
 - Inform policy for flood-prone areas
 - Completed in two parts

Moved by Councillor Anderson, seconded by Councillor Mund:

THAT Council receives the presentation Flood Mapping as provided by Trevor Scott, Infrastructure Engineer.

CARRIED.

LEGISLATIVE MATTERS

COUNCIL INFORMATION UPDATES

G.V.A.C./R.D.N.O. REGULAR MEETINGS

INFORMATION ITEMS

Acting Mayor Brian Quiring closed the meeting at 9:09 am.

CLOSE

CERTIFIED CORRECT:



Victor Cumming
Mayor



Patti Bridal
Ap. Corporate Officer