

**To:** Private Sector Consultants

**From:** Jemay Zheng, P. Eng., B.C. MoTI Civil 3D Implementation Project Manager

**Date:** March 8, 2017

**Subject: B.C. MoTI Custom Civil 3D Training Titles**

This memorandum is to advise that the B.C. MoTI Civil 3D Implementation Project Team will make available custom Civil 3D Training Titles to private sector consultants who provide survey, design and construction supervision services to the Ministry.

Training Titles will focus on the use of Civil 3D for Ministry survey, design and construction workflows and will address Ministry customizations (subassemblies), standards and project delivery requirements. All Training Titles will incorporate indexed videos with downloadable data sets. B.C. MoTI Civil 3D Training Titles will be provided to consultants until the end of April 2018 through the APW Retrieve website. Alternative service models for accessing Training Titles after April 2018 are currently being reviewed.

**B.C. MoTI Custom Training Titles**

There are four categories of training titles [General (G), Survey (S), Design (D) and Construction (C)] planned for development and distribution. Details are as follows:

1. General BC MoTI C3D TOR Overview Series
  - G1 - BC MoTI C3D TOR Overview
  - G2 - BC MoTI C3D CAD Standards Overview
  - G3 - BC MoTI C3D Custom Subassembly Overview
  - G4 - BC MoTI C3D Design Deliverable Requirements Overview
  
2. BC MoTI C3D Survey Workflow Series
  - S1 - Introduction to Civil 3D and BC MoTI Survey Workflow and Standards
  - S2 - Processing Survey Data through Civil 3D Survey Database
  - S3 - Working with Aerial Survey Data
  - S4 - Working with Ground Survey Data
  - S5 - Surface Modeling
  - S6 - Combining Aerial and Ground Survey Data
  
3. BC MoTI C3D Design Workflow Series
  - D1 – Introduction to Civil 3D and BC MoTI Design Workflow and Standards
  - D2 – BC MoTI Civil 3D Data Sharing and Management
  - D3 – Project Setup and Survey Data Review
  - D4 – Alignment Design Criteria, Superelevation, Profile and Profile Views
  - D5 – Corridor Modeling
  - D6 – Sample Lines, Sections and Volumes
  - D7 – BC MoTI Contract Drawing Production

4. BC MoTI Construction Workflow Series
  - C1 - Introduction to Civil 3D and BC MoTI Construction Workflow and Standards
  - C2 - Section Surface Editor
  - C3 - Construction Workflow Surface and Design Updates
  - C4 - BC MoTI C3D Construction Archive Data Checking Procedures

### **B.C. MoTI Custom Training Title Distribution Schedule**

The schedule for completion of the 1<sup>st</sup> round of Retrieve Titles is as follows:

April 1, 2017 – G1, G3, D1 - D5

May 1, 2017 – G2, G4, D6 - D7

Work on the remaining Titles will begin in early May 2017. Consultants will be notified through the Retrieve App when new titles are available.

All training material is developed to reflect Ministry workflows, standardization and customization relating to Civil 3D. There are also downloadable project data sets and supporting PDF documents along with the videos.

For development of the remaining titles in Group 2 (Survey) and Group 4 (Construction Supervision), we will do our best to prioritize in line with current needs and make the training videos available no later than August 1, 2017.

### **How to Access Retrieve Training Titles**

Custom training materials are provided in Retrieve Training Titles that are accessed from a user's *Library*. An account is required to access the Training Titles, which are available on both desktop computers using a web browser and mobile devices using the **Retrieve Technologies APW Engineering** app (Apple App Store and Google Play).

Users can self register for Ministry training accounts by clicking the following link:

[apw.retrieve.com/signup?ug=679520ce-cf41-4220-8167-ca6715af9d0d](http://apw.retrieve.com/signup?ug=679520ce-cf41-4220-8167-ca6715af9d0d)

The registration process involves creating an account for subsequent access to Training Titles.

Project support and collaboration tools using the same platform will be provided at a later date.

Should you have any questions or require any clarifications, please contact the following:

- Andrew Walther, BC MoTI Senior Civil 3D Consultant, [andrew@apwengineering.com](mailto:andrew@apwengineering.com)
- Greg Toews, BC MoTI Engineering Software Support, [greg.toews@gov.bc.ca](mailto:greg.toews@gov.bc.ca)

Further information on the Ministry's Civil 3D Project can be found on the ministry's web site:

[www2.gov.bc.ca/gov/content?id=7227F9FD255C484FBF36932271E884F7](http://www2.gov.bc.ca/gov/content?id=7227F9FD255C484FBF36932271E884F7)