

Andrew P. Walther, P.Eng.

apWengineering inc.

andrew@apwengineering.com

phone: 604 731 1731

fax: 604 731 1732

Professional Experience

Certified as an Autodesk Authorized Consultant and product instructor, Andrew brings more than 15 years of civil engineering and land surveying experience his clients. Andrew is recognized in the industry for his engineering experience, educational curriculum development and business process re-engineering project history.

Responsibilities:

- ❑ Work with public and private sector organizations to implement business processes that integrate and embrace technology
- ❑ Prepare university education curriculum
- ❑ Develop and execute training curriculums
- ❑ Create and deliver on-site and web based training to Civil Engineers and Surveyors
- ❑ Develop and implement CAD Standards
- ❑ Provide technical support
- ❑ vBook author and publisher

Employment History

APW Engineering Inc., Vancouver, BC

1996-2007: Industry Consultant

Morrison Hershfield Limited, Vancouver, BC

1995-1996: Manager, Transportation Engineering

R.E. Winter & Associates, Mississauga, Ont.

1990-1995: Transportation Engineer

Project History

Curriculum Development and Workshops

vBook, Civil 3D 2008 Upgrade

vBook, Subdivision Design, Civil 3D 2007

vBook, Civil 3D 2006

Autodesk Education Curriculum, Civil 3D 2008

Autodesk Education Curriculum, Civil 3D 2007

Autodesk Education Curriculum, Civil 3D 2006

Autodesk Education Curriculum, Civil 3D 2005

Autodesk Education Curriculum, Civil 3D 2004

Advanced CAiCE Curriculum, BC Highways 2006-2007

Autodesk Geospatial Education Curriculum, 2006

Technical Application Workshops, Civil 3D, 2005-2007

Technical Application Workshops, LDT/SV/CD, 1998-2003



Education

Bachelor of Science,
Queens University,
Kingston, Ontario – 1990

Memberships

Association of Professional
Engineers & Geoscientists
of British Columbia

Association of Professional
Engineers, Ontario

Registered EIT (Engineer In
Training) – New York State

Executive Committee – BC
Urban and Regional
Infrastructure Society
(URISA)

Years of Experience: 15

Civil 3D Training

- ❑ Stantec Consulting (Calgary, Toronto, Ottawa)
- ❑ City of Vancouver, Streets Department
- ❑ Infrastructure Systems Limited – BC and Alberta
- ❑ Town of Hinton, Alberta
- ❑ City of Prince George, BC
- ❑ Sandwell Engineering – Vancouver, BC
- ❑ Bahamas Ministry of Public Works
- ❑ Western Coal – Vancouver, BC
- ❑ UMA Engineering - Canada
- ❑ Town of Smithers, British Columbia
- ❑ Sandwell Engineering – Vancouver, BC
- ❑ Halifax Regional Municipality – Halifax, Nova Scotia
- ❑ Hatch Mott MacDonald – Vancouver, BC
- ❑ Herold Engineering – Nanaimo, BC
- ❑ Civil 3D Workshops – Calgary, Edmonton, Vancouver, Victoria

Land Desktop Training, Implementation and Standards

- ❑ US Bureau of Reclamation, Boise, Denver, Sacramento and Yuma
- ❑ City of Seattle, Public Utilities Branch
- ❑ City of Vancouver, Streets Design and Construction
- ❑ Ontario MOT, Downsview and Kingston
- ❑ Nova Scotia DOT, Halifax
- ❑ Manitoba Hydro, Winnipeg
- ❑ Suncor Oil, Calgary
- ❑ City of Nanaimo, BC - Engineering Division
- ❑ City of Abbotsford, BC - Drafting Department
- ❑ Public Works Canada, BC - Marine Hydrographic Unit
- ❑ City of Prince George, BC – Engineering
- ❑ Township of Langley, BC – Engineering Survey
- ❑ City of Richmond, BC – Engineering and Survey
- ❑ City of North Vancouver – Engineering and Survey
- ❑ Greater Vancouver Regional District, BC – Survey Section
- ❑ City of Scarborough, Ont. – PWD
- ❑ Town of Oakville, Ont. – PWD and Survey
- ❑ British Columbia Institute of Technology – Various Departments
- ❑ College of the Redwoods, CA
- ❑ Sinclair Community College, OH
- ❑ Texas Tech University, TX
- ❑ Stantec, BC, AB, SASK, MAN, NC, SC
- ❑ Associated Engineering, BC
- ❑ Roth Hill Engineering, WA
- ❑ Erlandsen Associates, WA
- ❑ ND Lea, BC
- ❑ Kerr Wood Leidal Associates, BC
- ❑ David Nairne & Associates, BC
- ❑ Infrastructure Systems Limited, AB
- ❑ Aplin & Martin, BC
- ❑ Murray & Associates, BC
- ❑ Earthtech, BC
- ❑ SSFM International Inc., HA
- ❑ Control Point Surveying, HA
- ❑ Bel MK Engineering, BC, AB

- ❑ Proudfoot Associates, OH
- ❑ HNTB, OH
- ❑ Bahamas Electricity Corporation
- ❑ Bahamas Public Works Department
- ❑ Clare-Wicklow Engineers, ONT
- ❑ R.E. Winter & Associates, ONT
- ❑ McGill, Smith & Punshon, OH
- ❑ Chelan PWD, WA
- ❑ Shive Hattery Inc, Illinois
- ❑ O'Dell Engineering, CA
- ❑ Mass & Son Company, Illinois
- ❑ E&A Consulting Group, NEB
- ❑ Howard R. Green Company, IA
- ❑ Rust Environmental & Infrastructure, WI
- ❑ OHM Engineers, MI

Business Process Redesign

- ❑ City of Vancouver, BC
- ❑ City of Richmond, BC
- ❑ City of Nanaimo, BC
- ❑ City of Kamloops, BC

Public Speaking

- ❑ Autodesk University, 1996-2006
- ❑ Geo Alberta (2006)
- ❑ URISA International Conference (2006)
- ❑ URISA Annual Conference (2006)
- ❑ URISA BC (GIS)
- ❑ Geotec Conference, Vancouver BC
- ❑ Technical Application Workshops
- ❑ Softdesk World, FLA

Transportation Engineering

- ❑ LRT Preliminary Design, Vancouver, BC
- ❑ Highway 11, Gravenhurst to Huntsville, Ontario, Design Engineer on planning study for ultimate freeway conditions, including 6 interchanges and 3 flyovers.
- ❑ Highway 60, Highway 11 to Oxtongue Lake, Ontario, Project Engineer on 35 km corridor selection and preservation study for ultimate freeway (4-lane divided, con-trolled access) conditions.
- ❑ Winston Churchill Boulevard/CP Rail Grade Separation, Mississauga, Ontario, Project Engineer on 4 track / 6 lane underpass/overpass environmental assessment.
- ❑ Mamalahoa Highway, Hawaii – 35 kM new highway design, detailed design and contract drawing preparation – road re-construction and new road design.
- ❑ Township of Langley, 200th St. Reconstruction, 40th to 44th Ave's, Langley, BC Project Manager and Design Engineer for planning and detailed design for new left turn lanes and raised centre median installation.
- ❑ Winston Churchill Boulevard/CP Rail Grade Separation, Mississauga, Ontario, Project Engineer / Coordinator for grade separation (underpass) design. Project included 6-lane/4 track structure, 2 track rail diversion, lane road detour and traffic staging.
- ❑ Highway 401/404-DVP Interchange Improvements, North York, Ontario, Design Engineer on east-bound core/collector widening for speed change lanes.
- ❑ Highway 407/427 Interchange, Vaughan, Ontario, Design Engineer on west to south and south to west ramps and high-way 407 borrow section.
- ❑ Trafalgar Road, Oakville, Ontario, Design Engineer on road reconstruction, which included

widening, resurfacing and median construction.