13.0 REFERENCES

- Alberta Transportation and Utilities, Technical Standards Branch. 1998. Erosion Control Reference Material (2001 updated draft), (AT EC Ref. Mat. Draft 2001).
- Alberta Transportation, 2002. Engineering Consultant Guidelines for Highway and Bridge Projects, Volume 1. Design and Tender.
- Alberta Transportation, 2007. Standard Specifications for Highway Construction.
- Alberta Transportation, 2009. Fish Habitat Manual: Guidelines & Procedures for Watercourse Crossings in Alberta.
- Alberta Transportation, 2010. Specifications for Bridge Construction.
- Alberta Transportation, et al. 2011. Environmental Construction Operations Plan (ECO Plan) Framework.
- Alberta Transportation, 2011. Environmental Management System Manual (Version 7.0).
- American Association of State Highways and Transportation Officials (AASHTO). 1991. Model Drainage Manual.
- Anderson, A.G., A.A. Painta, and J.T. Davenport, 1970. Tentative Design Procedure for Riprap Lined Channels. NCHRP Report No. 108, Highway Research Board, National Academy of Sciences, Washington, D.C., 1970.
- Ateshian, J.K.H., 1974. Estimation of rainfall erosion index. Proc. paper 10817, J.Irrig. and Drain. Div., AM. Soc. Civil Eng. 100(IR3):293-307.
- British Columbia Ministry of Forests. Water Restoration Program, Resources Tenures and Engineering Branch, 2001. Best Management Practices Handbook: Hillslope Restoration in British Columbia.

Carpenter, T., 2000. "Silt Fence that Works".

- Chen, Y.H., and B.A. Cotton, 1988. Design of Roadside Channels with Flexible Linings. Hydraulic Engineering Circular No. 15(HEC-15), Federal Highway Administration, Publication No. FHWA-IP-87-7, USDOT/FHWA, McClean, Virginia.
- Chow, V.T. 1959. Open Channel Hydraulics, McGraw Hill Book Co.

Chow, V.T. 1964. Handbook of Applied Hydrology, McGraw Hill Book Co.

- City of Calgary, 2001. Guidelines for Erosion and Sediment Control. www.gov.calgary.ab.ca/wwd
- Cox, R.L., R.C. Adams and T.B. Lawson, 1971. Erosion Control Study, Part II, Roadside Channels. Louisiana Department of Highways, in Cooperation with U.S. Department of Transportation, Federal Highway Administration.
- Engineering Handbook for Work Unit Staffs, U.S. Soil Conservation Services, Alexandria, La., 1956.

Environment Canada. 1985. Rainfall Frequency Atlas for Canada.

- Environment Canada. 1996. CFA (Consolidated Frequency Analysis) Program (Version 3.1).
- Fifield, J.S., 2001. Designing for Effective Sediment and Erosion Control on Construction Sites. Forester Press, California.
- Galetovic, J.R., T.J. Toy, and G.R. Foster. 1998. Guidelines for the Use of the Revised Universal Soil Loss Equation (RUSLE), Version 1.06, on Mined Lands, Construction Sites, and Reclaimed Lands. Western Regional Coordination Center, Office of Surface Mining, Denver, CO.
- Goldman, S.J., Jackson, K., and Burgsztynsky, T.A. (1986), Erosion Sediment Control Handbook, McGraw Hill Inc.
- Harding, Mike, 2010. The Effect of Surface Roughness on Soil Erosion. Erosion Control Network.com (http://www.erosioncontrolnetwork.com/articles/articles_detail.aspx?n=108).
- Holtz and Kovacs, 1981. An Introduction to Geotechnical Engineering. Prentice Hall.
- Jiang, N., M.C. Hirschik, J.K. Mitchell, and R.A. Cook, 1998. Hydraulic and Sediment Trapping Performance of Rockfill. Proceedings of Conference XXIX, International Erosion Control Association (February 16-20).
- Kouwen, N., R.M. Li, and D.B. Simons, 1980. Velocity Measurements in a Channel Lined with Flexible Plastic Roughness Element. Technical Report No. CER79-80-RML-DBS-11, Department of Civil Engineering, Colorado State University, Fort Collins, Colorado.
- Madramootoo, C.A., 1988. Rainfall and runoff erosion indices for eastern Canada. Am. Soc. Agri. Eng. 31(1) 107-110.
- McCool, D.K., G.R. Foster, C.K. Mutchler and L.D. Meyer. 1989. Revised slope length factor for the Universal Soil Loss Equation. Trans. Am. Soc. Agric. Engrs. 32(5):1571-1576.
- McWhorter, J.C., T.G. Carpenter and R.N. Clark, 1968. Erosion Control Criteria for Drainage Channels. Conducted for Mississippi State Highway Department in Cooperation with U.S. Department of Transportation, Federal Highway Administration, by the Agricultural and Biological Engineering Department, Agricultural Experiment Station, Mississippi State University, State College, Mississippi.
- Nouh, M.A. and R.D. Townsend, 1979. Shear Stress Distribution in Stable Channel Bends. Journal of Hydraulics Division, ASCE, Vol. 105, No. HY10, Proc. Paper 14598, pp. 1233-1245.
- Ontario Ministry of Transportation (MOT), 1984. Drainage Manual. Chapter B: Design Flood estimates for Small Watersheds
- Portland Cement Association, 1964. Handbook of Concrete Culvert Hydraulics.
- Renard, K.G., 1997. Predicting Soil Erosion by Water: A Guide to Conservation Planning with the Revised Universal Soil Loss Equation (RUSLE). USDA Agricultural Handbook No. 703. US Department of Agriculture, Washington, D.C.

RTAC Drainage Manual (Open Channel Design Procedures), 1987

- Salix Applied Earthcare, 2004. Erosion Control Standards and Construction Drawings for Computer-aided Drafting, Erosion Draw, Version 5.0
- Salix Applied Earthcare, 2005. Environmentally Sensitive Streambank Stabilization (E-SenSS) Software.
- Salix Applied Earthcare, 2004. BioDraw 3.0 Compendium of Biotechnical Soil Stabilization Solutions.
- Smerdon, E.T. and R.P. Beaseley, 1959. The Tractive Force Theory Applied to Stability of Open Channels in Cohesive Soils. Agricultural Experiment Station, Research Bulletin No. 715, University of Missouri, Columbia, Missouri.
- Smith, A.A. CEPL, A Civil Engineering Program Listing, McMaster University Bookstore, McMaster University, Hamilton, Ontario, 1974.
- Soil Conservation Service (SCS), 1986, Urban Hydrology for Small Watershed, Technical Release 55, US Department of Agriculture, June 1986.
- Soil Conservation Service, U.S. Department of Agriculture. Handbook of Channel Design for Soil and Water Conservation, 1954, prepared by the Stillwater Outdoor Hydraulic Laboratory in cooperation with the Oklahoma Agricultural Experiment Station, Publ. No. SCS-TP-61 March 1957, rev. June 1954.
- Thibodeau, K.G., 1982 to 1985. Performance of Temporary Ditch Linings. Interim Reports 1 to 17, Prepared for Federal Highway Administration by U.S. Geological Survey, Gulf Coast Hydroscience Center and Computer Science Corporation.
- Transportation Association of Canada (TAC), 2005. National Guide to Erosion and Sediment Control on Roadway Projects.
- U.S. Army Engineering Corps, 1979. HEC 2 Water Surface Profiles, Users' Manual, Corps of Engineers, Hydrologic Engineering Center, Davis, California.
- U.S. Department of Transportation. Federal Aviation Agency Circular Airport Drainage (AC150/5320-5A).
- Wall, G.J., D.R. Coote, E.A. Pringle and I.J. Shelton (editors). RUSLEFAC 1997 Revised Universal Soil Loss Equation for Application in Canada: A Handbook for Estimating Soil Loss from Water Erosion in Canada. Research Branch, Agriculture and Agri-Food Canada. Ottawa. Contribution No. 02-92. 117pp.
- Wall, G.J., W.T. Dickinson and J. Greuel. 1983. Rainfall erosion indices for Canada east of the Rocky Mountains. Can. J. Soil Sci. 63:271-280.
- West, L.T., E.E. Alberts, et al., Soil Measurements: USDA Water Erosion Prediction Project (WEPP), Winter Meeting of ASAE, Chicago (December 1987).
- Wigham, J.M. and W.J. Stolte. 1986. Rainfall and Runoff Factor for Erosion Estimates Prairie Region. Can. Agric. eng. 28(2):71-75.
- Wischmeier, W.H., and D.D Smith, 1965. Predicting Rainfall Erosion Losses from Cropland East of the Rocky Mountains, Agriculture Handbook No. 282, U.S. Department of Agriculture, Washington, D.C.

Wischmeier, W.H., and D.D Smith, 1978. Predicting Rainfall Erosion Losses – A Guide to Conservation Planning, Agriculture Handbook No. 537, U.S. Department of Agriculture, Science and Education Administration, Washington, D.C.