

South West Connecting Calgary Ring Road Geotechnical Assessment (Thurber, 2006) confirms that there are almost 20 meters of alluvial and lacustrine deposits on the Elbow River valley bottom. The sand and gravel at the surface may be compactable in the short term, but the lacustrine deposits at depth are notorious for settling over the long term. While a cut-and-fill design may be the least expensive to construct, we submit that it will be extremely expensive and disruptive to maintain in the medium and long term, as the substrate continues to settle.