

Schulich School of Engineering, University of Calgary

## **Project Background**

- Value engineer the Macleod Trail and 194 Avenue bridge design made by ISL Engineering.
- Develop an alternative solution using steel girders as opposed to concrete girders.
- Existing 4-way traffic light intersection is unable to efficiently circulate traffic volumes with fast-growing neighbouring communities.

2A





## **194 AVENUE OVER MACLEOD TRAIL BRIDGE** Fatema Mohamed | Parker Zacharias | Kilian Chevais | Radel Reyes | Renzo Listana | Farid Madanat | Pearl Luck





- Increased accessibility and mobility.
- Lower Bridge costs.

• Reduction in the number of bridges required from two to one.

• Elimination of the proposed service road by the Priddis Slough.



**ACADEMIC ADVISORS:** • Dr. Mamdouh El-Badry, P.Eng • Dr. Muntasir Billah, P.Eng **INDUSTRY ADVISORS:** • James Chapman, M.Sc., P.Eng • Bhaskar Swaroop, M.Eng., P.Eng

