

# REPORT TO COUNCIL



**Date:** July 31, 2012  
**File:** 1350-20  
**To:** City Manager  
**From:** Manager, Transportation & Mobility  
**Subject:** Update - McKinley Road Safety Improvements

---

**Recommendation:**

THAT Council receives, for information, the report from the Manager, Transportation & Mobility, dated July 31, 2012, regarding the Update - McKinley Road Safety Improvements.

AND THAT Council approves additional funding of \$182,000 from the Rural Road Reserve (R048).

AND FURTHER THAT the 2012 Financial Plan be amended accordingly.

**Purpose:**

To request Council approve the McKinley Road Safety Improvements budget increase from the submitted 2012 Final Budget item.

**Background:**

This memo follows on the previous Report to Council dated May 2, 2012 (Item 5.11 on the May 7, 2012 agenda).

Following Council approval of a \$300,000 2012 Final Budget for detailed design and construction, the City retained Stantec Consulting Ltd., to complete the detailed engineering design and tender cost estimate, and EcoScope Environmental Consultants to provide the environmental monitoring plan.

Detailed design revealed that higher costs are expected and are associated with four major factors:

- 1) A more comprehensive environmental monitoring plan is required to project the quality of drinking water in the GEID McKinley Reservoir.
- 2) Anticipated construction pricing has increased since the Spring.
- 3) The estimate provided to Council in May 2012, did not include sufficient amounts for detailed design, construction inspection, City staff time, and the City share of HST.
- 4) An additional 120m of concrete barrier.

**Internal Circulation:**

Manager, Financial Planning  
Manager, Road, Drainage and Solid Waste Projects Manager  
Traffic Technician, Transportation Services

A handwritten signature in the bottom right corner of the page.

**Financial/Budgetary Considerations:**

The project budget is now \$537,000. A \$300,000 budget was approved at the 2012 Final Budget for the detail design and construction phases, based on high level estimates at the preliminary engineering phase developed under tight time frames. ICBC has committed a \$55,000 contribution to the project. It is recommended that the remaining \$182,000 be funded from the Rural Roads Reserve (R048). Full funding is needed to proceed with the tendering process in August for construction this fall.

**Considerations not applicable to this report:**

Legal/Statutory Authority  
Legal/Statutory Procedural Requirements  
Existing Policy  
Personnel Implications  
External Agency/Public Comments  
Communications Comments  
Alternate Recommendation

Submitted by:



P. Truch, Manager, Transportation & Mobility

Approved for inclusion:



R. Cleveland, Director, Infrastructure Planning

Attachment 1: McKinley Road Safety Improvement Option 7, True Consulting

cc: General Manager, Community Sustainability  
General Manager, Community Services  
Director, Communications  
Director, Financial Services  
Director, Civic Operations  
Director, Design & Construction



## McKINLEY ROAD SAFETY IMPROVEMENTS

### IMPROVEMENT OPTION #7

#### REALIGNMENT OF COMPOUND CURVE

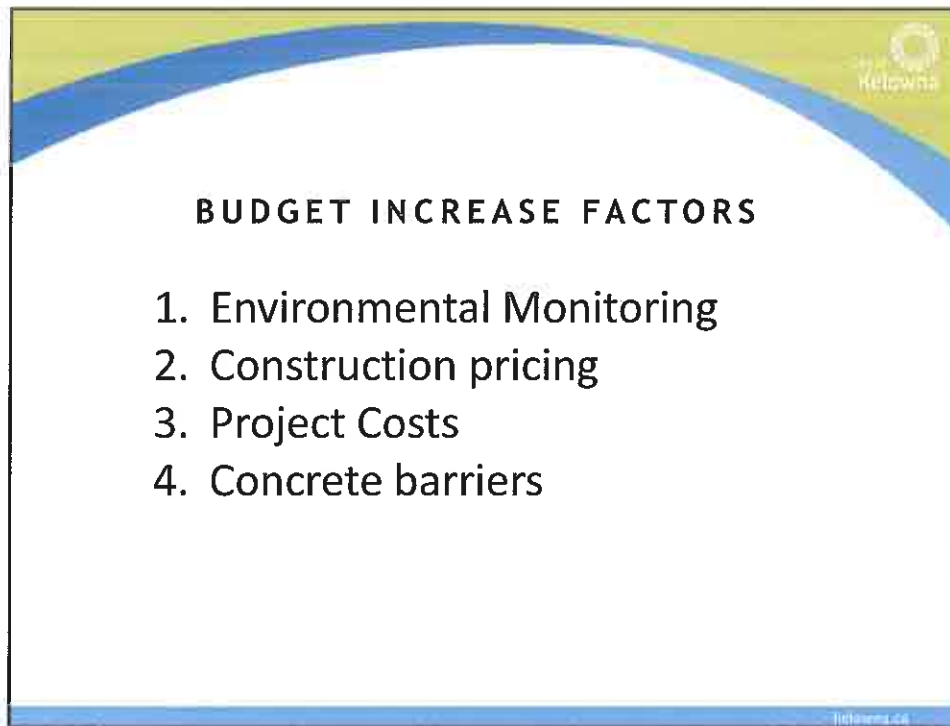
---

#### Option Description:

The next best option from an engineering and safety perspective is to remove the compound curve at the south end of the reservoir and construct a safer curve to current design standards. Minimum radius for a 40 km/h TAC design speed is 60m with 4% super-elevation. The rock fill could be obtained from the rock face to improve the width, drainage and reduce rock fall hazards. This improvement would provide a consistent alignment with good drainage and a safe clear zone on the outside of the curve. Concrete roadside barriers could also be added along the steep bank section for added safety.



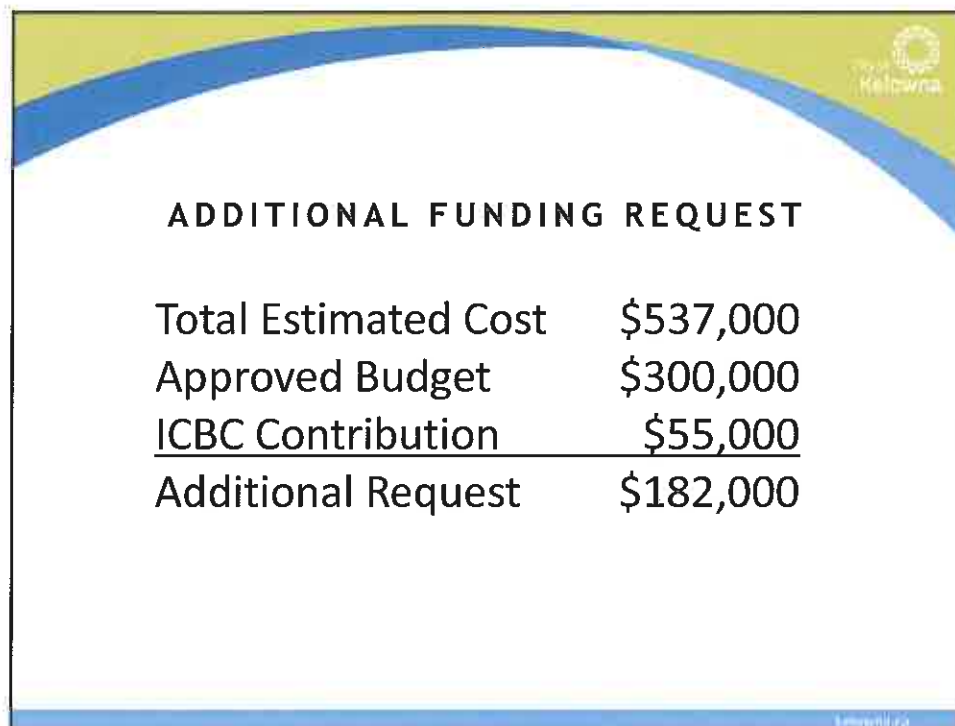




**BUDGET INCREASE FACTORS**

1. Environmental Monitoring
2. Construction pricing
3. Project Costs
4. Concrete barriers

kelowna.ca



**ADDITIONAL FUNDING REQUEST**

Total Estimated Cost	\$537,000
Approved Budget	\$300,000
<u>ICBC Contribution</u>	<u>\$55,000</u>
Additional Request	\$182,000

kelowna.ca



**RECOMMENDATIONS**

1. Receive Report
2. Approve \$182,000 (Rural Road Reserve R048)
3. Amend 2012 Financial Plan

Kelowna.ca