Alberta Transportation
Geohazard Risk Management Program
Hwy 762 Slide Repairs

“It’s like getting 4 projects in 1”

March, 2018
Hwy 762 Problem Sites

S008 Fisher Creek Site
- 6 m, l. clay
- Landowner
Hwy 762 Problem Sites

S022
S-Curve Site
- 7-10 m, l. clay
- Pipeline
- Landowner
Hwy 762 Problem Sites

S010 Archery Range Site
• 6 m deep, fill
• Landowner
Hwy 762 Problem Sites

S031 Mystery Culvert Sites

- 3-4 m, fill
- Drainage
Repairs – S008 FISHER CREEK SITE

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>$1019K</td>
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<tr>
<td>Steel</td>
<td>$ 536K</td>
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<tr>
<td>Drill</td>
<td>$ 857K</td>
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<tr>
<td>All Other</td>
<td>$ 471K</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$2883K</strong></td>
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</tbody>
</table>

- **140 m long CIP concrete pile wall**
- 16 – 18 m deep
- 1.2 m dia. @ 2.5 m spacing
- 30 – 30M bars
- Provisions for future tie-back anchors
Repairs – S022 S-CURVE SITE

- Cellular concrete $725K
- Base & Pave $249K
- Common & Haul $156K
- Gravel $210K
- All Other $472K
- Total $1812K

500 m long realignment
260 m long cellular concrete pocket
5600 cu.m. cellular concrete placed
Up to 4 m thick, 0.6 m lifts
Repairs – S010 ARCHERY RANGE

EPS $356K
Common $32K
Base & Pave $45K
All Other $157K
Total $590K

70 m long EPS pocket
2.5 m thick, 1.2 m cover
100 m long excavation
Repairs – S031 MYSTERY CULVERT SITE

- Gravel: $129K
- All Other: $214K
- Total: $343K

120 m road resurfacing
120 m long berm
1.2 m high 10 m wide
Drainage improvements
Photos – S008 FISHER CREEK SITE
<table>
<thead>
<tr>
<th>Site</th>
<th>C Estimate</th>
<th>Final Cost</th>
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<tbody>
<tr>
<td>S008</td>
<td>2,830,000</td>
<td>2,081,630</td>
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<tr>
<td>S010</td>
<td>1,812,000</td>
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<td>S022</td>
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<td>S031</td>
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<td>848,283</td>
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<tr>
<td>Total</td>
<td>$5,575,000</td>
<td>$7,500,782</td>
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Consultant: Tetra Tech Canada  
Contractor: Bow Mack Paving (Okotoks)