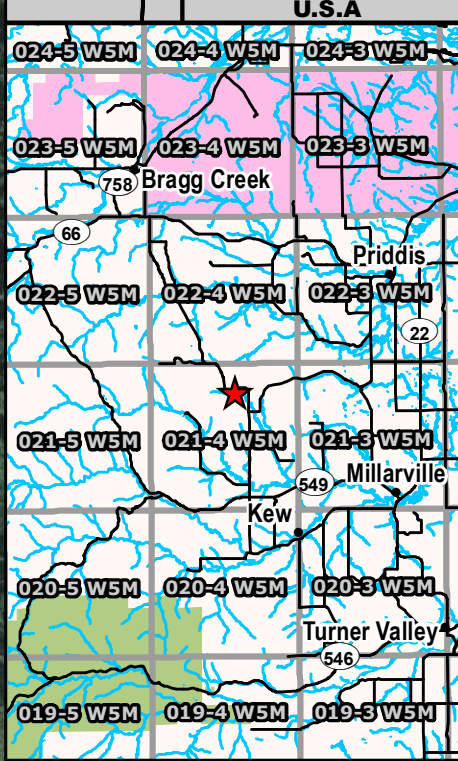
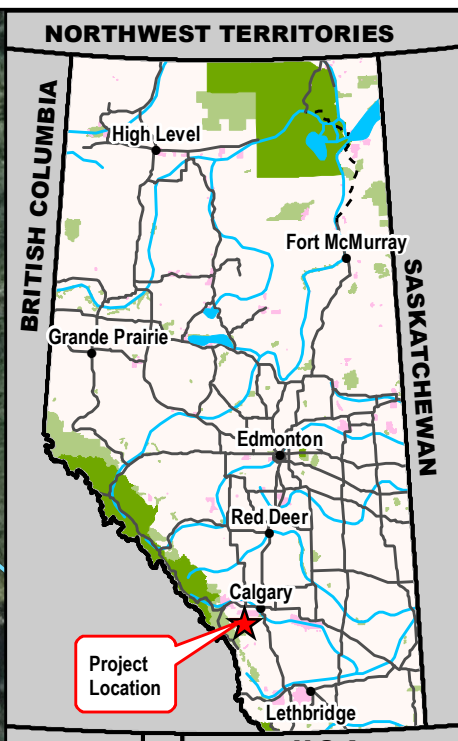


|   |   |   |  |   |
|---|---|---|--|---|
| <b>SITE NUMBER AND NAME</b><br>S022 S Curve   |   | <b>HIGHWAY &amp; KM:</b><br>762:02, 8.187 | <b>PREVIOUS INSPECTION DATE:</b><br>April 30, 2018 | <b>INSPECTION DATE</b><br><b>July 8, 2020</b> |
| <b>LEGAL DESCRIPTION</b><br>NW 27-21-4 W5   | <b>NAD 83 COORDINATES</b><br>50°48.978'N 114°28.572'W |   | <b>RISK ASSESMENT</b><br>PF: 3 CF: 2 = TOTAL: 6    |   |
| <b>Average Annual Daily Traffic (AADT):</b><br>720 (north) (Ref. No. 65170), 1420 (south) (Ref No. 60180) |   |   | <b>Contractor Maintenance Area (CMA):</b><br>27    |   |

|   |  |
|---|--|
| <b>SUMMARY OF SITE INSTRUMENTATION:</b><br><br>None active<br><br>LAST READING DATE: N/A  | <b>INSPECTED BY:</b><br>Chris Morgan (KCB)<br>Margot Lederman (KCB)<br>Kristen Tappenden (AT)<br>Alex Frotten (AT)<br>Maury Siddons (AT) |
| <b>PRIMARY SITE ISSUE:</b> Landslide movement below road affecting both north and southbound lanes.   |  |
| <b>APPROXIMATE DIMENSIONS:</b> 240 m length along highway. Embankment slope is approximately 4 m high, sloped approximately 4H:1V. Natural slope (below toe of embankment) of approximately 3 m high, approximately 10H:1V, continues to creek. |  |
| <b>DATE OF ANY REMEDIAL ACTION:</b> Highway repair completed in Fall 2017. Repair included a new road embankment constructed using Cematrix fill.   |  |

| ITEM              | CONDITION EXISTS |    | DESCRIPTION AND LOCATION   | NOTICABLE CHANGE FROM LAST INSPECTION |    |
|-------------------|------------------|----|--|---------------------------------------|----|
|                   | YES              | NO |  | YES                                   | NO |
| Pavement Distress |                  | X  | New overlay in Fall 2017 as part of construction                             |                                       | X  |
| Slope Movement    |                  | X  | Shallow failure in field due to construction stockpiles was repaired in 2019 | X                                     |    |
| Erosion           |                  | X  | Embankment slopes well vegetated   | X                                     |    |
| Seepage           |                  | X  |  |                                       | X  |
| Culvert Distress  |                  | X  |  |                                       | X  |

|   |
|---|
| <b>COMMENTS</b>   |
| Embankment was well vegetated in 2020. No concerns observed. Visit the site every 2 years.  |
| Area south of highway was very wet. The ditch south of the highway ends along the embankment and is draining into the field below.  |
| Shallow failure in field, south of highway was noticed after stockpiles of fill were placed on the slope during 2017 construction. Cracks noted to extend approximately 50 m from north extents of site. The field was reworked using a bulldozer and no further issues have been reported. |



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Legend**

— GPS Track (July 8, 2020)



Time: 11:09:50 AM  
Date: August 07, 2020  
File: Z:\AEDM\A05115A03\ABT Southern Region GRMP\A00 Drawings\2020\2. Section BIM\XDS\02\_200807.mxd

|   |                  |  |
|---|------------------|--|
| NOTES:<br>1. HORIZONTAL DATUM: NAD83<br>2. GRID ZONE: UTM Zone 11N<br>3. IMAGE SOURCE: World Imagery, ESRI ArcGIS Online,<br>Source date January 15, 2015 | CLIENT<br>       | PROJECT<br>SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM |
|   |                  | TITLE<br>Site Plan<br>S022 - S Curve<br>Hwy 762:02, km 8.187 |
|   | SCALE<br>1:1,500 | PROJECT No.<br>A05115A03                                     |
|   |                  | FIG No.<br>1   |

**Photo 1 Highway repair completed in Fall 2017. Photo taken facing northeast on July 8, 2020**



**Photo 2 Vegetation well established at time of inspection. Photo taken facing west on July 8, 2020.**

