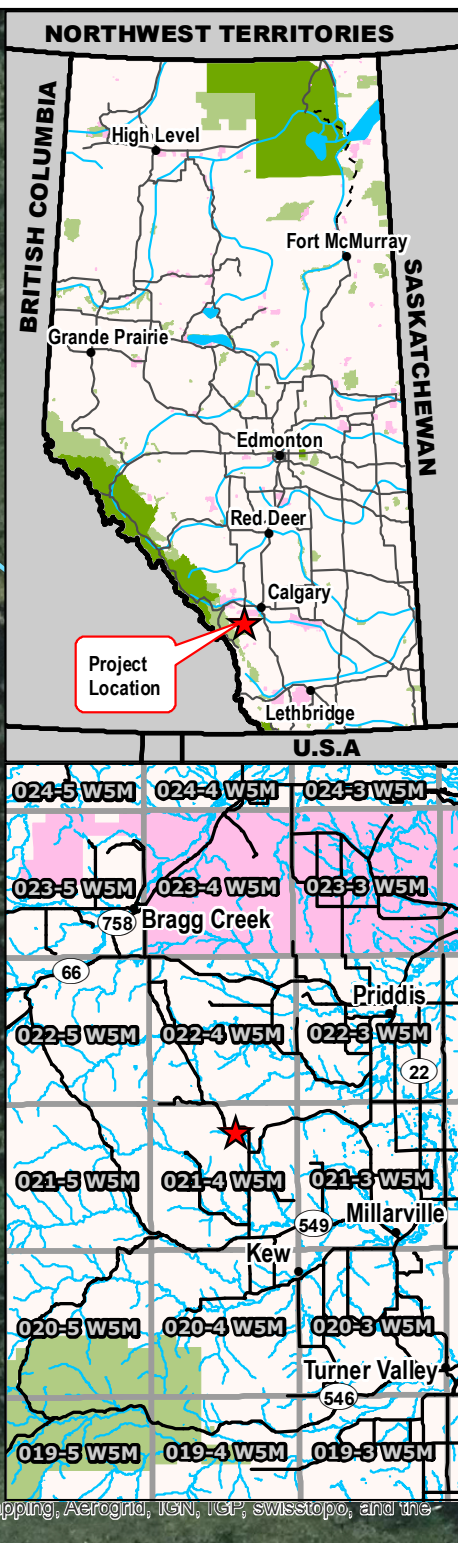
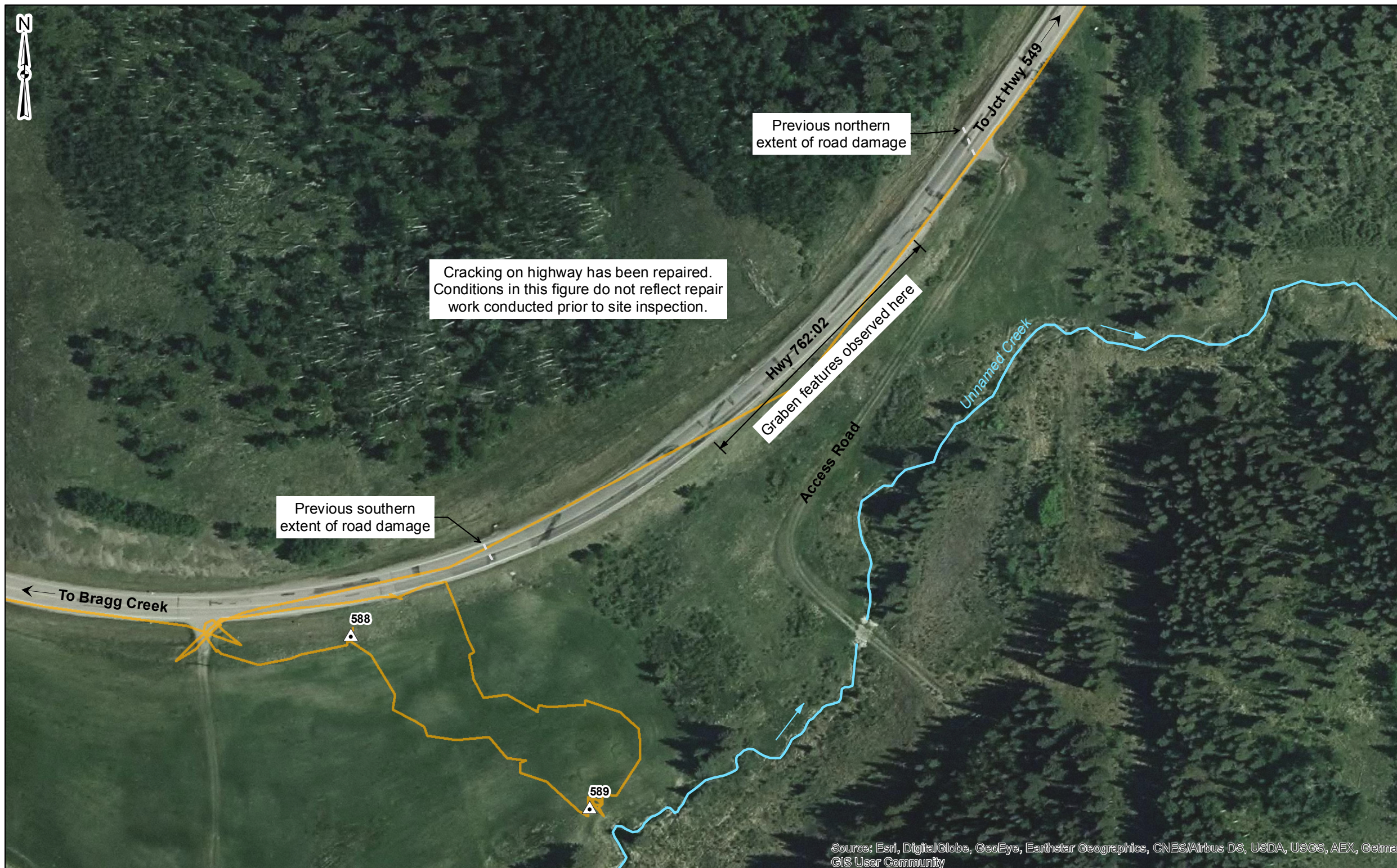


SITE NUMBER AND NAME <b>S022 S Curve</b>		HIGHWAY & KM: 762:02, 8.187	PREVIOUS INSPECTION DATE: June 14, 2016	INSPECTION DATE <b>April 30, 2018</b>
LEGAL DESCRIPTION NW 27-21-4 W5	NAD 83 COORDINATES 50°48.978'N 114°28.572'W		RISK ASSESMENT PF: <b>9</b> * CF: <b>2</b> = TOTAL: <b>18</b>	
Average Annual Daily Traffic (AADT): 800 (North), (Ref. No. 65170)			Contractor Maintenance Area (CMA): 27	

SUMMARY OF SITE INSTRUMENTATION:  None active  LAST READING DATE: N/A	INSPECTED BY: Chris Gräpel (KCB) Peter Roy (KCB) Alex Frotten (AT) Roger Skirrow (AT) Maury Siddons (AT)
PRIMARY SITE ISSUE: Landslide movement below road affecting both north and southbound lanes.	
APPROXIMATE DIMENSIONS: 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.	
DATE OF ANY REMEDIAL ACTION: 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, south of highway, due to construction stockpiles, furthest extent of cracking to south at waypoint 589	X	
Erosion	X		Ditch erosion, rills forming on embankment slopes (waypoint 588)	X	
Seepage		X			X
Culvert Distress		X			X

<b>COMMENTS</b>
Shallow failure in field, south of highway. The shallow failure was noticed after stockpiles of fill were placed on the slope during the recent construction work. Cracks noted to extend approximately 50 m from north extents of site. Field fenced off to avoid livestock injury due to the large cracks.
Vegetation not growing on embankment slopes and in ditch, causing erosion.
Rolled erosion control product not used in ditch bottom. Ditch may experience erosion during spring and early summer runoff until vegetation is established in the ditch.
Area south of highway was very wet. The ditch south of the highway ends along the embankment and is draining into the field below.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

**Legend**

- GPS Track (April 30, 2018)
- ▲ GPS Waypoints (April 30, 2018)



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

Time: 11:43:28 AM  
 Date: August 09, 2018  
 File: Z:\A\EDM\A05115A03\ABT Southern Region GRMP\400 Drawings\2018\2. Section BIMXD\S022\_180809.mxd

**Photo 1** Highway repair completed in Fall 2017. Photo taken facing northeast on April 30, 2018.



**Photo 2** Surface water from ditch draining into adjacent field, causing erosion. Vegetation not established at time of inspection. Photo taken facing southeast on April 30, 2018.



**Photo 3** Large surface cracking in the field south of the highway. Cracking caused by construction of a stockpile during construction. Photo taken facing north on April 30, 2018.



**Photo 4** Cracking in field south of highway. Cracks noted to extend about 50 m into the field from highway. Photo taken facing south on April 30, 2018.

