

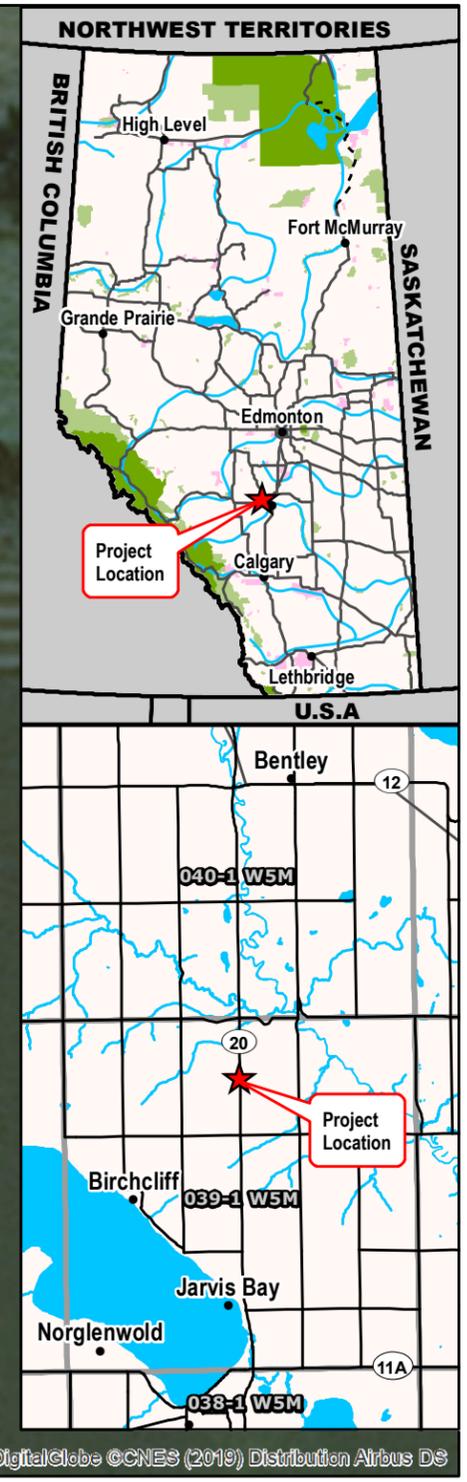
SITE NUMBER AND NAME C061 Frost Heave		HIGHWAY & KM 20:02, 12.212	PREVIOUS INSPECTION DATE Feb 28, 2018	INSPECTION DATE Feb 21, 2019
LEGAL DESCRIPTION SE 33-39-1-W5M	NAD 83 COORDINATES: UTM Northing Easting 11 5808688 699107		RISK ASSESSMENT PF: 8 CF: 3 TOTAL: 24	
AVERAGE ANNUAL DAILY TRAFFIC (AADT): 5,930 (north) & 6,260 (south) (Ref No. 997219)			CONTRACT MAINTENANCE AREA (CMA): 19	

SUMMARY OF SITE INSTRUMENTATION: Operational: One vibrating wire piezometer and one ground temperature cable. LAST READING DATE: May 11, 2017	INSPECTED BY: Chris Gräpel (KCB) Ryan Gazley (KCB) Tony Penney (AT) Dewayne Wlad (AT)
PRIMARY SITE ISSUE: Frost heave of road due to frost susceptible embankment fill.	
APPROXIMATE DIMENSIONS: Approximately 400 m along highway.	
DATE OF ANY REMEDIAL ACTION: Drainage redirected to southbound ditch	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress	X		Three patches on northbound lane in center of heaving area. Transverse pavement cracks were noted.		X
Slope Movement		X			X
Erosion		X			X
Seepage	X		A spring was observed in the southbound ditch at the south end of the site during the March 2, 2017 inspection		X
Culvert Distress		X			X

COMMENTS
Traffic does not seem to be slowing down despite hazard signs warning drivers of uneven pavement and a 65 km/hr speed limit.
Both lanes appear to be equally uneven. The MCI reported that the heaving conditions are better this winter as compared to last winter, which may be due to reduced levels of precipitation during 2018.
Transverse pavement cracks observed at the three patched areas. Pavement cracks extend the entire width of the highway.
The maintenance contractor has not had to place any levelling asphalt patches this winter.
This site will be repaired in spring 2019 as detailed in Alberta Transportation Tender TND0019153.

Time: 12:20:59 PM
 Date: February 27, 2019
 File: Z:\A\EDM\A05115A02\ABT Central Region GRNIP\400 Drawings\2019\2. Section B11_2019 Frost Heave Tour\MXD\C61_190227.mxd



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Legend

- ① Photo Location
- ➔ Photo Direction
- ~~~~~ Transverse Pavement Crack
- ↔ Culvert

NOTES:
 1. HORIZONTAL DATUM: NAD83
 2. GRID ZONE: UTM Zone 11N
 3. IMAGE SOURCE: Bing Maps 2019, Microsoft Corporation. Image dated September 2013
 4. Site visit photos dated February 21, 2019

CLIENT

PROJECT	CENTRAL REGION GEOHAZARD RISK MANAGEMENT PROGRAM	
TITLE	C061 Site Inspection Hwy 20:02 km 12.212	
SCALE	PROJECT No.	FIG No.
1:1,000	A05115A02	1

Photo 1 **Drainage ditch off the northbound lane of the highway. Photo taken February 21, 2019 looking southwest.**



Photo 2 **View of the three previously patched areas on the northbound lane. Photo taken February 21, 2019 looking southwest.**

