

SITE NUMBER AND NAME C054 Pavement Settlement		HIGHWAY & KM H56:16 km 23.31	PREVIOUS INSPECTION DATE June 24, 2016	INSPECTION DATE Feb 28, 201
LEGAL DESCRIPTION NE 8-44-19-W4	NAD 83 COORDINATES Northing Easting 52°46.936' 112°42.867'		RISK ASSESSMENT PF: 1 CF: 1 TOTAL: 1	
2017 Average Annual Daily Traffic (Ref No.: 110370) (AADT): 890 (southbound) 1170 (northbound)		Contractor Maintenance Area (CMA): 16		

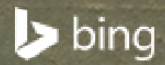
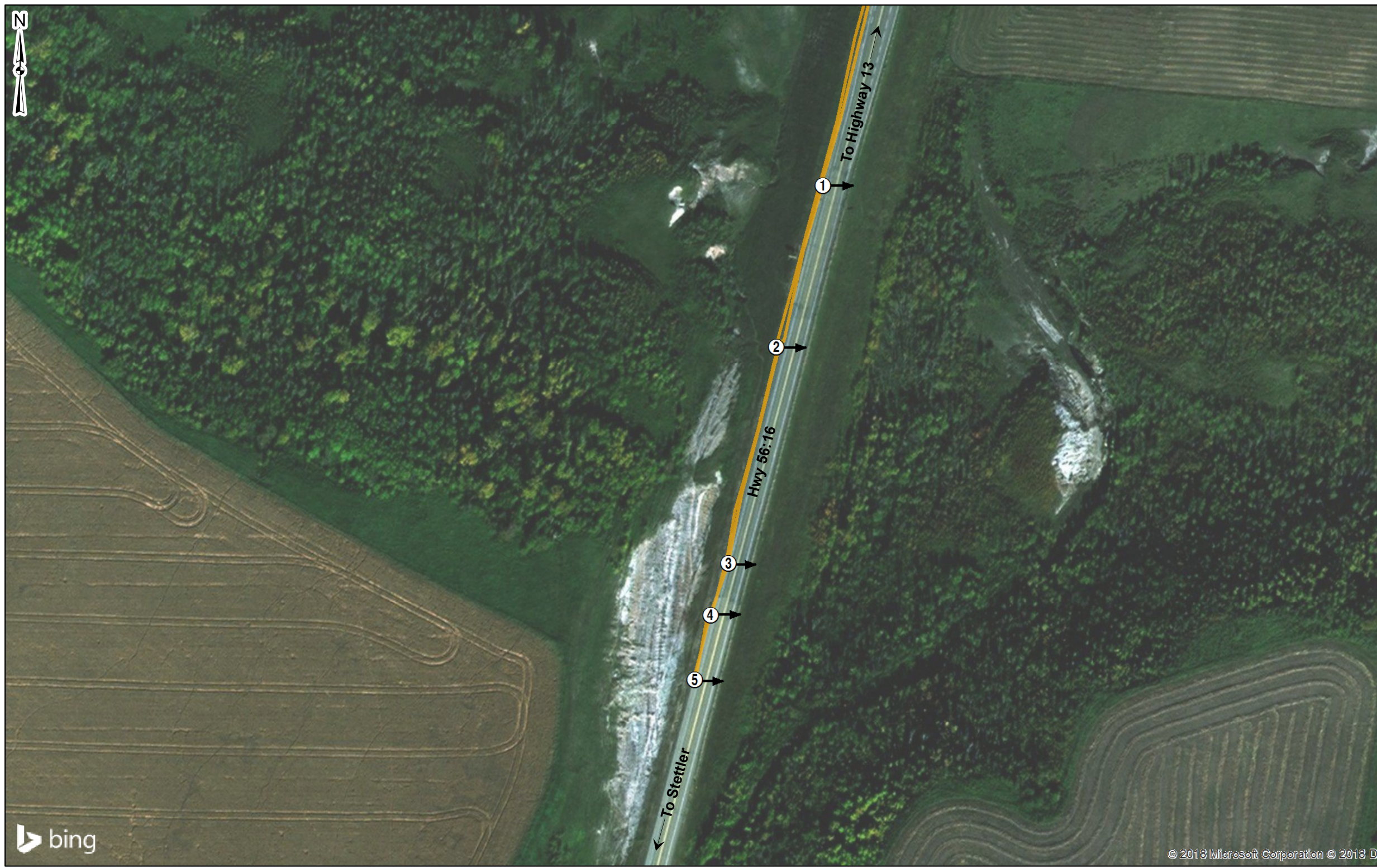
SUMMARY OF SITE INSTRUMENTATION: None LAST READING DATE: N/A	INSPECTED BY: Chris Gräpel (KCB) Hanh Hong (KCB) Rocky Wang (AT) Dwight Rewega (AT)
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PRIMARY SITE ISSUE: Pavement settlement and heaving
APPROXIMATE DIMENSIONS: 80 m long, embankment located in cut section through bedrock with about 1.5 m height above ditch base.
DATE OF ANY REMEDIAL ACTION: Foam injected in August 2011 to consolidate soft clay under the highway. The highway was subsequently repaved.

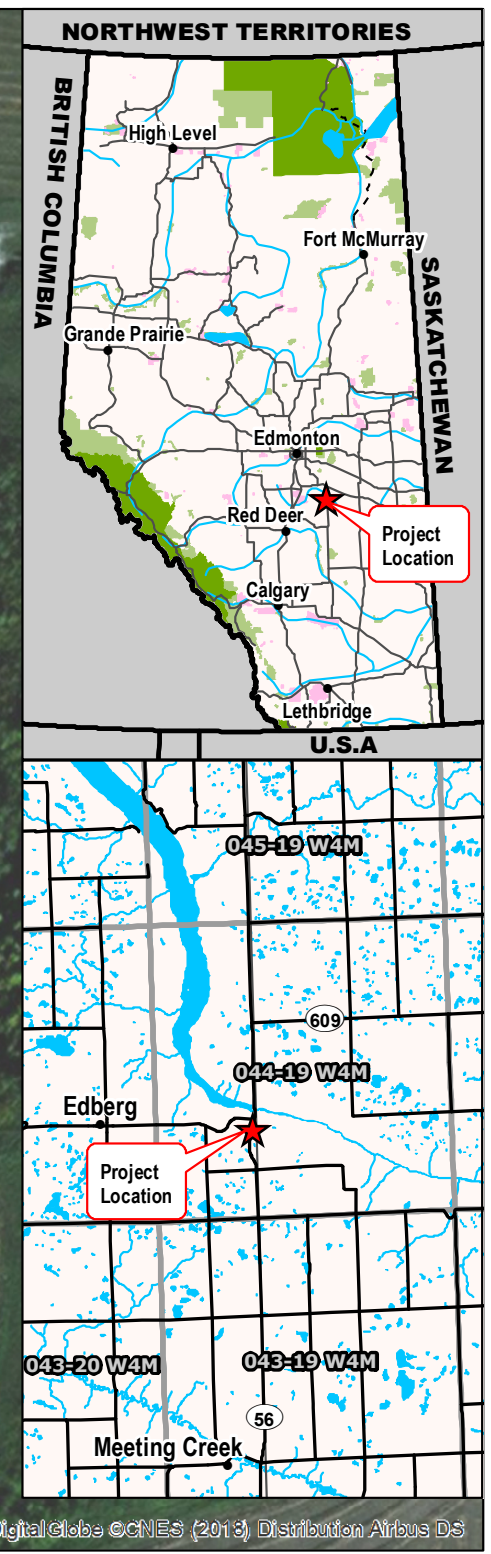
ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress	X		Minor depressions on the northbound lane and transverse pavement cracks		X
Slope Movement		X			X
Erosion			Unable to determine due to snow cover		
Seepage		X			X
Culvert Distress		X			X

COMMENTS
Minor pavement depressions on the northbound lane.
Transverse pavement cracks were observed extending the entire width of the road.
No noticeable change from the last inspection conducted on June 24, 2016. KCB recommends that the C054 site be removed from the GRMP.

Time: 16:27:03 PM
 Date: March 05, 2018
 File: Z:\A\EDM\A05115A02\ABT_Central Region GRNIP\A00 Drawings\2018\2_Section B11_2018 Frost Heave Tour\MXD\C54_180301.mxd



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Legend

- ① Photo Location
- ➔ Photo Direction
- GPS Track (February 28, 2018)



NOTES:
 1. HORIZONTAL DATUM: NAD83
 2. GRID ZONE: UTM Zone 12N
 3. IMAGE SOURCE: Bing Maps 2018, Microsoft Corporation. Image dated September 2013
 4. Site visit photos dates February 28, 2018.

CLIENT

Alberta
Transportation

Klohn Crippen Berger

PROJECT CENTRAL REGION GEOHAZARD RISK MANAGEMENT PROGRAM		
TITLE C054 Site Inspection Hwy 56:16, km 23		
SCALE 1:2,000	PROJECT No. A05115A02	FIG No. 1

Photo 1 Transverse pavement cracking near repaired frost heave site. Photo taken on February 28, 2018 looking east.



Photo 2 Minor pavement depression on northbound lane and transverse pavement cracking south of depression. Photo taken on February 28, 2018 looking east.



Photo 3 **Minor pavement depression on northbound lane. Photo taken on February 28, 2018 looking east.**



Photo 4 **Transverse pavement crack extending entire width of highway. Photo taken on February 28, 2018.**



Photo 5 Transverse pavement crack extending entire width of highway. Photo taken on February 28, 2018.

