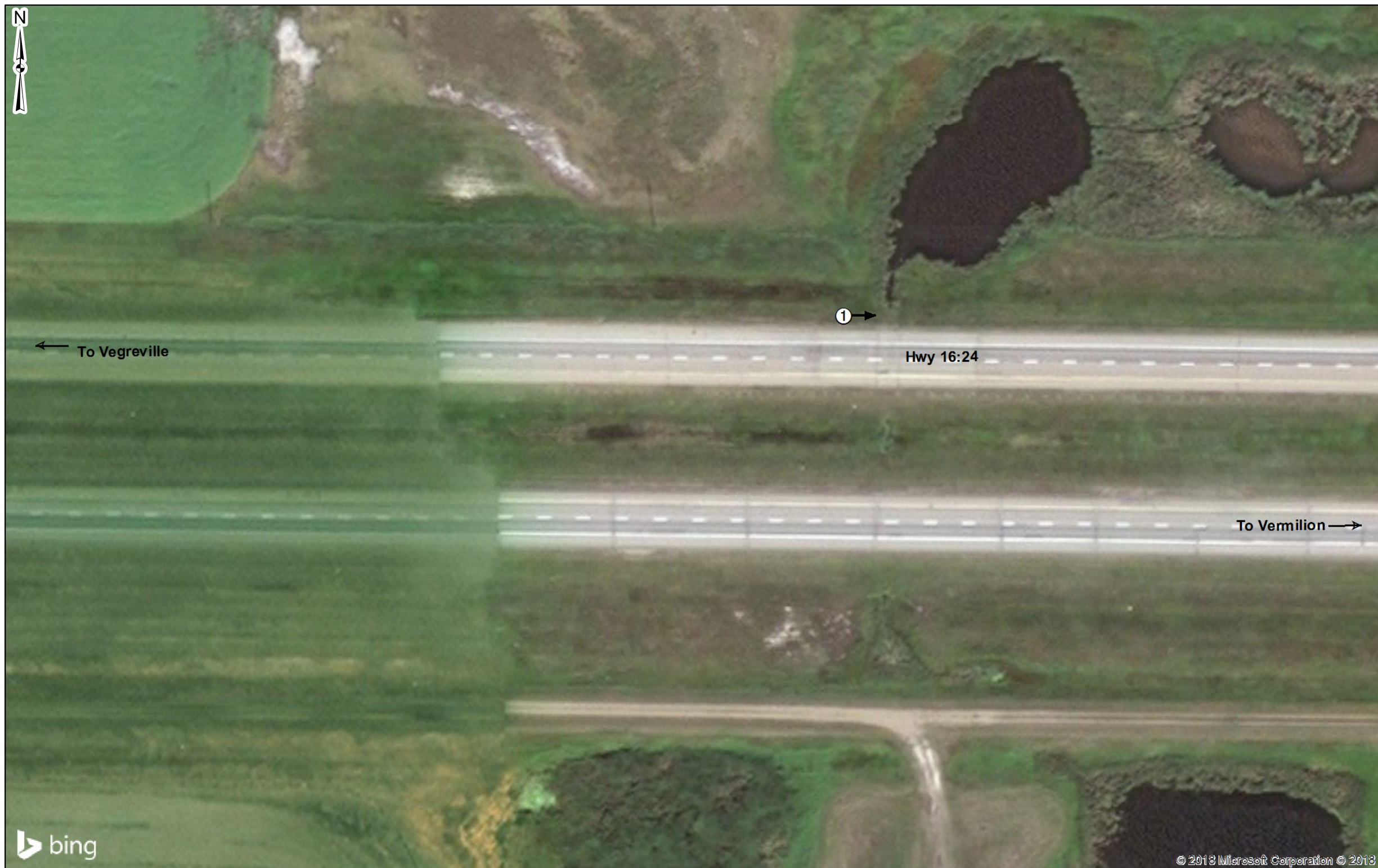


SITE NUMBER AND NAME C064 Vegreville Frost Heave		HIGHWAY & KM H16:24 km 29.17	PREVIOUS INSPECTION DATE March 2, 2017	INSPECTION DATE Feb 28, 2018
LEGAL DESCRIPTION SW 14-52-14-W4	NAD 83 COORDINATES Northing Easting 53°29.000' 111°57.548'		RISK ASSESSMENT PF: 1 CF: 1 TOTAL: 1	
2017 Average Annual Daily Traffic (Ref. No.: 120507) (AADT): 7520 (westbound) 7480 (eastbound)			Contract Maintenance Area (CMA): 14	

SUMMARY OF SITE INSTRUMENTATION: None LAST READING DATE: N/A	INSPECTED BY: Chris Gräpel (KCB) Hanh Hong (KCB) Rocky Wang (AT)
PRIMARY SITE ISSUE: Frost heave of adjacent frost susceptible embankment fill creating a dip at the culvert inlet (north of highway) where the culvert was backfilled with non-frost susceptible material.	
APPROXIMATE DIMENSIONS: Westbound lanes only: length of about 5 m over a culvert location that does not heave in the winter, highway embankment approximately 1.5 to 2.0 m high, sloped at 4H:1V.	
DATE OF ANY REMEDIAL ACTION: Heaving conditions at the culvert location was repaired in fall 2016, including the construction of an asphalt overlay. The culvert was replaced and a flat (2H:1V or flatter) excavation slope was used to provide a transition between frost-susceptible embankment fill and non-frost-susceptible gravel backfill around the culvert	

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		X	The 2016 asphalt pavement overlay filled and covered the cracking and depressions		X
Slope Movement		X			X
Erosion		X			X
Seepage		X			X
Culvert Distress	X		900 mm diameter CSP culvert buried under snow and ice		X

COMMENTS
The MCI reported that the heaving conditions at the site are much better since the repair in 2016.
Pavement heaving and lateral cracking were not observed during the last inspection in March 2, 2017.
Since heaving was not observed during this inspection, KCB recommends that the C064 site be removed from the GRMP.



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- Legend**
- ① Photo Location
 - ➔ Photo Direction



NOTES: 1. HORIZONTAL DATUM: NAD83 2. GRID ZONE: UTM Zone 12N 3. IMAGE SOURCE: Bing Maps 2018, Microsoft Corporation. Image dated August 2013 4. Site visit photo dated February 28, 2018	CLIENT 	PROJECT CENTRAL REGION GEOHAZARD RISK MANAGEMENT PROGRAM
		TITLE C064 Site Inspection Hwy 16:24, km 29.177
	SCALE 1:1,000	PROJECT No. A05115A02
		FIG No. 1

Time: 14:34:38 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\C64_180301.mxd

Photo 1 **Location of repaired lateral cracking along the highway above the culvert backfill.
Photo taken on February 28, 2018 looking east.**

