

SITE NUMBER AND NAME: S047 Coleman Bin Wall		HIGHWAY & KM: 3:02, 13.283	PREVIOUS INSPECTION DATE: June 1, 2017	INSPECTION DATE: May 2, 2018
LEGAL DESCRIPTION: 09-07-008-04 W5M 12-08-008-04 W5M	NAD 83 COORDINATES: UTM Northing Easting 11 5500995 679014		RISK ASSESMENT: PF: 1 CF: 6 TOTAL: 6	
AVERAGE ANNUAL DAILY TRAFFIC (AADT): On Hwy 3. 7,830 (west), 8,810 (east), (Ref No. 70060)			CONTRACTOR MAINTENANCE AREA (CMA): 26	

SUMMARY OF SITE INSTRUMENTATION: None	INSPECTED BY: Chris Gräpel (KCB) Peter Roy (KCB) Alex Frotten (AT) Roger Skirrow (AT)
LAST READING DATE: n/a	

PRIMARY SITE ISSUE: Sections of a galvanized bin-wall retaining wall supporting the south embankment of Hwy 3 is deteriorating. Several sections are severely corroded and are experiencing backfill material loss from behind the wall. (Repaired March 2018).

APPROXIMATE DIMENSIONS: Bin wall is approximately 70 m long, with 22 sections. The wall is approximately 1.5 to 2 m high.

DATE OF ANY REMEDIAL ACTION: 11 corroded steel sections repaired with concrete retaining wall. Work completed in March 2018.

ITEM	CONDITION EXISTS		DESCRIPTION AND LOCATION	NOTICABLE CHANGE FROM LAST INSPECTION	
	YES	NO		YES	NO
Pavement Distress		x	Not impacting pavement surface		x
Slope Movement		x			x
Erosion		x			
Seepage		x			
Culvert Distress		x			

COMMENTS

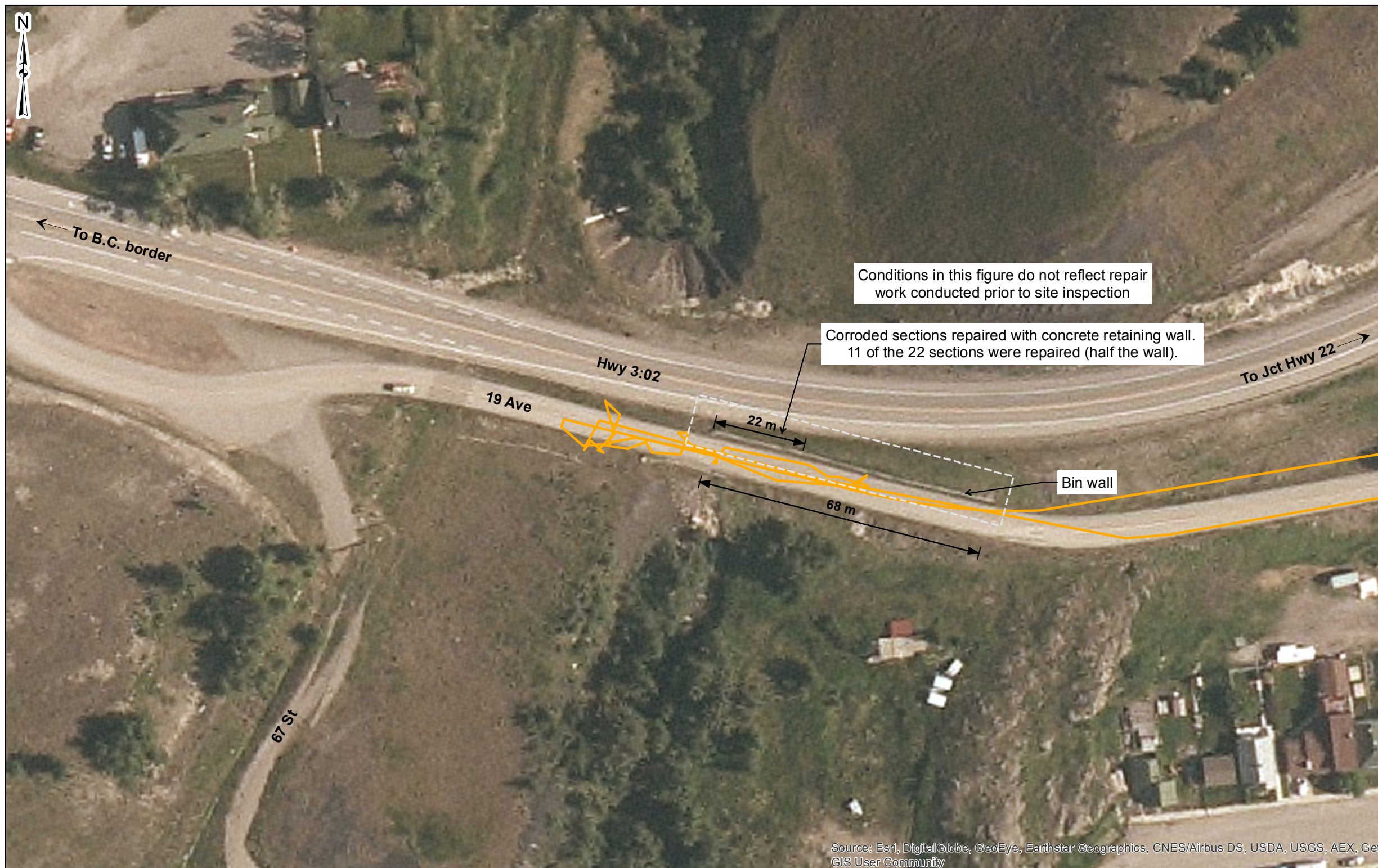
The 11 corroded sections, and 8 severely corroded sections that were experiencing material loss have been repaired with a concrete retaining wall. Voids behind the wall due to material loss have been filled.

Small void behind the steel bin wall at the transition zone between the concrete and steel sections.

It was noted that no drainage was installed in the new concrete sections of the retaining wall.

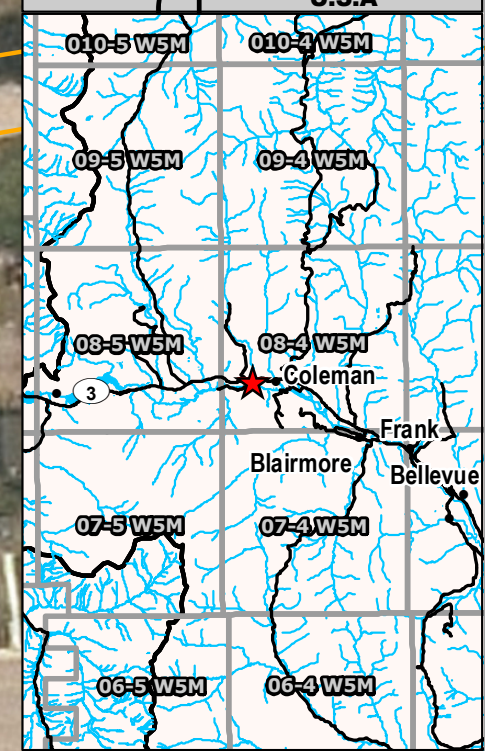
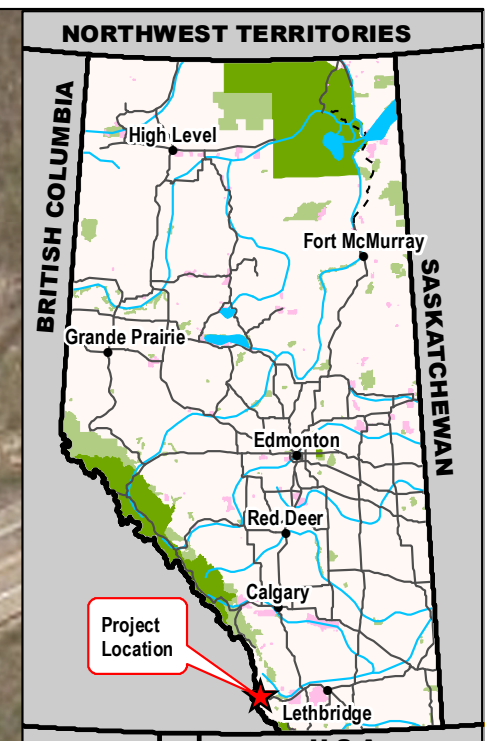
Work completed by Volker Stevin. Drawings of the repair design have been received from AT.

Site to be visited in three years as part of the GRMP tour.



Conditions in this figure do not reflect repair work conducted prior to site inspection

Corroded sections repaired with concrete retaining wall. 11 of the 22 sections were repaired (half the wall).



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 (May 2, 2018)



Time: 14:45:24 PM
Date: August 08, 2018
File: Z:\AEDM\A05115A03\ABT Southern Region GRMP\400 Drawings\2018\2 Section BIMXD\S047_180808.mxd

NOTES:
 1. HORIZONTAL DATUM: NAD83
 2. GRID ZONE: UTM Zone 11N
 3. IMAGE SOURCE: World Imagery from ESRI
 ArcGIS Online. Source date July 20, 2016

CLIENT

Alberta

Klohn Crippen Berger

PROJECT
SOUTHERN REGION GEOHAZARD RISK MANAGEMENT PROGRAM

TITLE
Site Plan
S047 - Coleman Bin Wall
Hwy 3:02, km 13.283

SCALE
1:1,000

PROJECT No.
A05115A03

FIG No.
2

Photo 1 West extent of retaining wall. 11 corroded steel sections repaired with concrete retaining wall. The photo was taken facing east on May 2, 2018.



Photo 2 Voids behind the previous steel wall have been filled in. The photo was taken facing southeast on May 2, 2018.



Photo 3 Transition area from new concrete retaining wall to existing steel bin wall. Small voids still remain.

