

RWC-1008 2023 Inspection

Garnet 5.4km



RWIP Offline v7 TEST 2

Retaining Wall Inventory Data

Existing Data

Updated Data

Structure Number RWC-1008

User km 5.4

Project File # 7558.01

FSR Name Garnet

District Chilliwack

Road Responsibility DCK (Chilliwack)

Design Function Fill Slope

Design Function Other

Structure Type Reinforced Slope

Structure Type Other

Facing Type Metal

Facing Type Other

Year Installed 2017

Last Inspection 2021

Design Info Available Yes

Latitude 49.394503

Longitude -121.607683

Measurements

Max. Length (m) 22

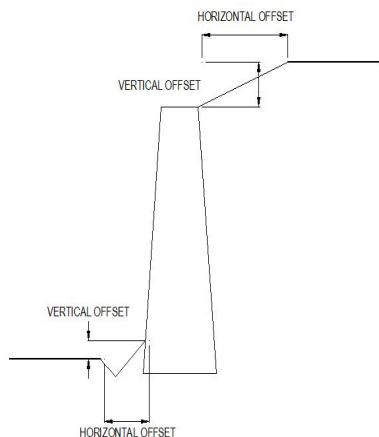
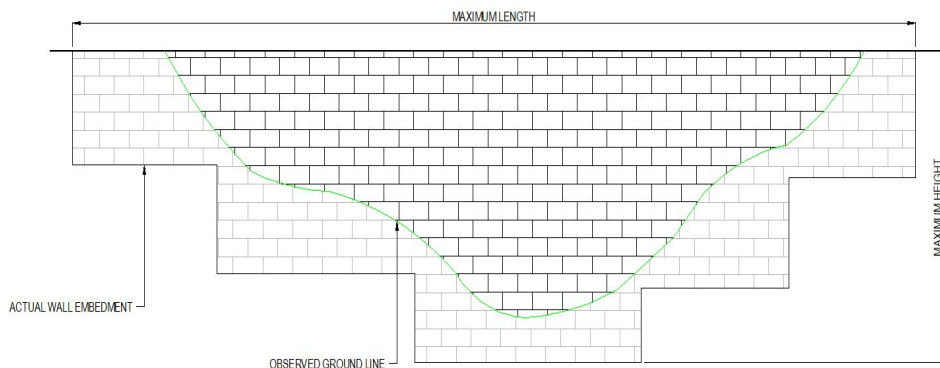
Max. Height (m) 2

Vertical Offset (m)

Horizontal Offset (m) 2

Barrier Length (m)

Road Width (m)



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Primary Elements

	Rating	Comments
Retaining Wall Structure	Good	The wall itself is excellent, however the cut slope is hazardous and should be scaled by rock scalers.
Drainage System	Good	Ditch at Cut bank except where filled with rock fall debris.
Foundation Material	Good	Bedrock
Wall Movement Indicators	Excellent	

Secondary Elements

	Rating	Comments
Surface Drainage	Good	
Road	Good	
Lateral Slope	Fair	Extremely steep rock slope 100 m down to creek.
Upslope	Poor	Adverse rock structures and failures. Signs of recent rockfall with hang fire left behind.
Downslope	Good	Bedrock
Traffic Barrier	Good	Some damage but still adequate.
Signage Delineators	Not applicable	
Vegetation	No	

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Retaining Wall Inspection Report

Name of Inspector	Daniel Stein
Inspection Company	Ministry of Forests
Date of Inspection	2023-05-02
Professional Inspection Required	Yes
Overall Wall Condition Rating	Good
Failure Consequence	<u>High: Long term loss of road prism or loss of life, no access available.</u>
Road Status	Active

Inspector Summary Comments

Prior to providing comments review previous inspection reports and design/construction information where available.

Wall is performing well however cut slope above wall is hazardous and should be scaled with a crew of rock scalers if usage increases.

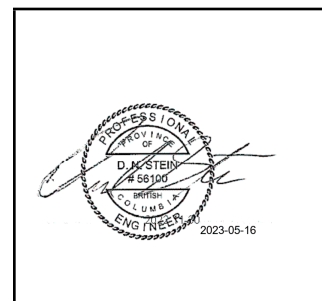
Sketch (Select Signature)

Provide sketch if required.

Inspector's Authentication:

The inspector is responsible for the quality and completeness of the inspection, unless working under direct supervision of a Professional Engineer.

Permit to practice number
(where applicable).



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Monitoring, Maintenance & Repair Recommendations

Monitoring, maintenance and repair recommendations are provided by the inspector and finalized by the reviewing Ministry Engineer.

Monitoring, maintenance and repair items carry forward until completed (refer to previous inspection records).

Maintenance/Repair

Item	Status	Priority	Description	Ministry Engineer Comment
1	Suggested		Rock scalers should scale this cut bank especially above recent rock fall	

Monitoring

Item	Frequency	Description	Ministry Engineer Comment
1			

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Ministry Engineer Review

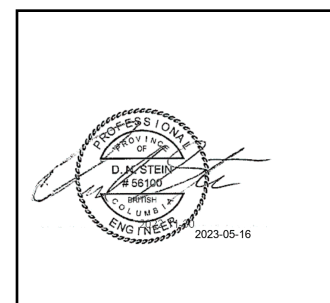
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>1 year</u>
Recommended year of next inspection	<u>2024</u>

Professional Engineer Comments

Annual inspection due to non typical wall and hazardous structures on cut bank.

Professional Engineer's Authentication:

The reviewing Professional Engineer is responsible for the review of the inspection report and any arising recommendations. The undersigned does not warrant or guarantee, nor accept any responsibility for the accuracy or completeness of the inspection or supervision of the inspector. Furthermore, the undersigned does not warrant or guarantee construction record information supplied or created by others not under the undersigned's direct supervision. By authenticating this report, the undersigned accepts responsibility for review of the report and information and recommendations provided by the undersigned.



1003022

Permit to practice number

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Approach from town and recent rock fall



Wall founded on bedrock



Approach from woods



Guard rail damage



Wall founded on bedrock

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