## **CULVERT INSPECTION FORM**

## BRF-03b

		Distr	ict	Upper Hutt City		
Road		Pinehav	en Road	RP	0 km	No. of Lanes 2
Culvert No.				Waterway Nam	e Pinehaven Stream	
Size	3.05	5m Wide x 1.5m l	High	Length (Invert)	De	epth Cover 1m +
Culvert Type/Mate	erial	In Situ Concrete	)	Reviewed by		Date
Inspected by	A.K.	Ross	Date	2/9/2020	(Bridge Inspection En	ngineer)

Gene	eral	
1.	Appearance	2
2.	Approach adequacy	2
3.	Signs	N
4.	Road safety barriers / handrails	4
5.	Road drainage / scouring	3
6.	Settlement/Stability	1

Scou	r and Waterway	
7.	River aggrading	1
8.	River degrading	1
9.	Waterway adequate	2
10.	Erosion of inlet / outlet	1
11.	Other erosion scour risks	3

Timbe	r or Earth Culvert	
N12.	Decay	N
13.	Supports / warping / cracking	N
14.	Bolts & spikes	N
15.	Erosion / fretting	N
16.	Head / wing walls	N
17.	Other defects	N

Has remedial work recommended last inspection been completed? Yes / No (Comment if answer is NO) Unknown

Metal Culvert						
18.	Condition of coatings	N				
19.	Corrosion	N				
20.	Fixings	N				
21.	Concrete invert	N				
22.	Head / wing walls	N				
23.	Other defects	N				

Concrete Culvert						
24.	Cracking	2	M			
25.	Spalling	1	N			
26.	Reinforcing corrosion		U			
27.	Abrasion / joints		N			
28.	Head / wing walls	1	М			
29.	Other defects		N			

Marking Co	de		
Excellent	1	Urgent Action (provide comment)	A
Good	2	Monitor Next Inspection	M
Average	3	Routine Maintenance (provide comment)	R
Poor	4	Structural Maintenance (provide comment)	S
Very Poor	5	Not Applicable / Not Inspected	N
Unknown	U		

Overall Condition Category						
Excellent (E) Good (G)	Ave	rage (A)	Poor (P)	Very Poor (VP)	G	
Expected Ilfe (yrs)	>40,	20-40,	10-20,	<10	35	

Item	Brief Description of Fault and Recommendations for Repair and Urgency	Urgency	Cost Estimate
24	Crack Weeping with Efflorescence	M	200
24	Honeycomb Holes in soffit	M	200
9	Debris build up at inlet	R	600
11	Large pipe next to Wing Wall at inlet is scoured and dropped	R	3000
1	Graffiti	R	500
4	Safety Barriers (current fences and posts inadequate) Install U/S side	A	15000

## Pinehaven Stream Culvert - Pinehaven Road 0 km



Inlet showing debris build up and scour underneath large pipe



Inlet showing Headwall and wing wall



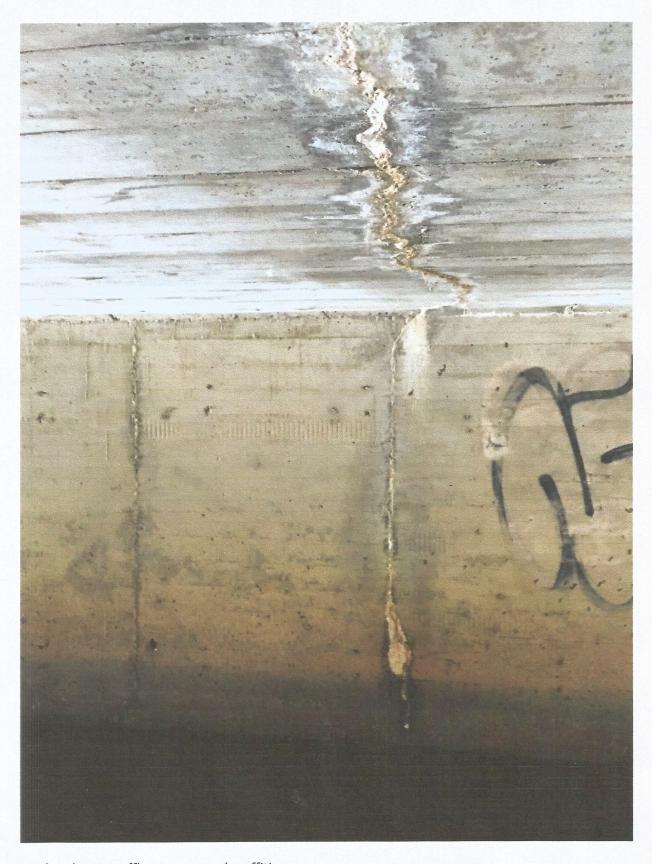
Outlet showing headwall and wing walls



Inlet showing graffiti



Soffit crack showing honeycomb and efflorescence



Crack 2 showing efflorescence and graffiti