

RAA Sinking Pit Cover Assessment

Road being assessed: Payneham Road from Fullarton Road to Glynburn Road

Direction and number of lanes tested: Northbound and Southbound, all lanes.

Date of assessment: 22-10-2021

Total sites assessed: 149

Total sites exceeding comfort benchmark: 45 (3x telco covers removed from this list)



Sunken plate near Ashleigh St intersection w Payneham Rd

RAA digitally inspected all covers that exceeded our calculated comfort benchmark using dashcam footage and removed false readings and pit covers that we did not believe to be SA water assets from the list.

Below is the list of 43 sites we believe to be under the care of SA Water. 42 of these recorded a high G-Force reading with visual defects causing driver discomfort or danger. A further one was unable to be measured but was identified to be a high risk for motorcyclists.

RAA does not guarantee that this test has identified all defective plates/castings on Payneham Road.

Location Description	Latitude	Longitude	Direction/Lane	Comment
50m N.E. OF MAGILL RD INTERSECTION	-34.9152	138.623	NB LH	
50m N.E. OF STEPHEN TCE	-34.9085	138.6286	NB LH	
100m S.W. OF LAMBERT RD	-34.9029	138.6334	NB LH	3 covers
#283 PAYNEHAM RD	-34.9014	138.6347	NB LH	
#325 PAYNEHAM RD	-34.8989	138.6368	NB LH	
N.E. OF #325 PAYNEHAM RD	-34.8983	138.6373	NB LH	
BATTAMS RD INTERSECTION	-34.898	138.6376	NB LH	
50m N.E. OF BATTAMS RD	-34.8977	138.6379	NB LH	
NEXT TO BUS STOP 17	-34.8906	138.6539	SB LH	2 covers
ASHBROOK AVE INTERSECTION	-34.8941	138.645	SB LH	
N.E. OF BUS STOP 9	-34.9048	138.6319	SB LH	
N.E. OF BAKEWELL RD	-34.9053	138.6315	SB LH	
IN FRONT OF #128	-34.9083	138.629	SB LH	2 covers, One was unable to be tested – hazard to motorcyclists
STEPNEY ST INTERSECTION	-34.9116	138.6261	SB LH	
WHEATON RD INTERSECTION	-34.9072	138.6298	NB RH	
S.W. OF BAKEWELL RD	-34.9055	138.6313	NB RH	
S.W. OF LAMBERT RD	-34.9024	138.6339	NB RH	
SALISBURY AVE INTERSECTION	-34.8996	138.6363	NB RH	
PORTRUSH RD INTERSECTION	-34.8965	138.6391	NB RH	4 covers
N.E. OF OG RD	-34.8946	138.6435	NB RH	
S.W. OF SHIRLEY AVE	-34.8927	138.6483	NB RH	2 covers
ASHLEIGH ST INTERSECTION	-34.8919	138.6509	NB RH	



Location Description	Latitude	Longitude	Direction/Lane	Comment
CARDIGAN AVE INTERSECTION	-34.8914	138.6516	NB RH	
N.E. OF CARDIGAN AVE	-34.8913	138.6517	NB RH	
N.E. OF HEATH CT	-34.8909	138.6528	NB RH	
HILLTOP AVE INTERSECTION	-34.8906	138.6536	NB RH	
PED CROSSING (FOODLAND)	-34.8903	138.6543	NB RH	2 covers
IN FRONT OF #483	-34.8897	138.6558	NB RH	
S.W. OF GLYNBURN RD	-34.8896	138.6561	NB RH	
IN FRONT OF #374	-34.8954	138.6416	SB RH	2 covers
OPPOSITE BATTAMS RD	-34.8979	138.6377	SB RH	
N.E. OF ST PETERS ST	-34.9107	138.6269	SB RH	
STEPNEY ST INTERSECTION	-34.9116	138.6261	SB RH	

RAA have calculated a benchmark comfort G-Force of 0.045G in our test vehicle (2015 Subaru Forester) based on averaging the G-Force of multiple runs over a singular pit cover approximately 50mm deep that was perceived to be uncomfortable when crossed. Covers that exceed this benchmark G-Force are subsequently reviewed with false readings and non-SA Water assets removed from the final list. RAA does not guarantee that this test has identified all defective castings on Payneham Road and recommends these results be reviewed and verified by SA Water prior to scheduling works.