

RAA Sinking Pit Cover Assessment

Road being assessed: **Brighton Road from Anzac Highway to Ocean Boulevard**

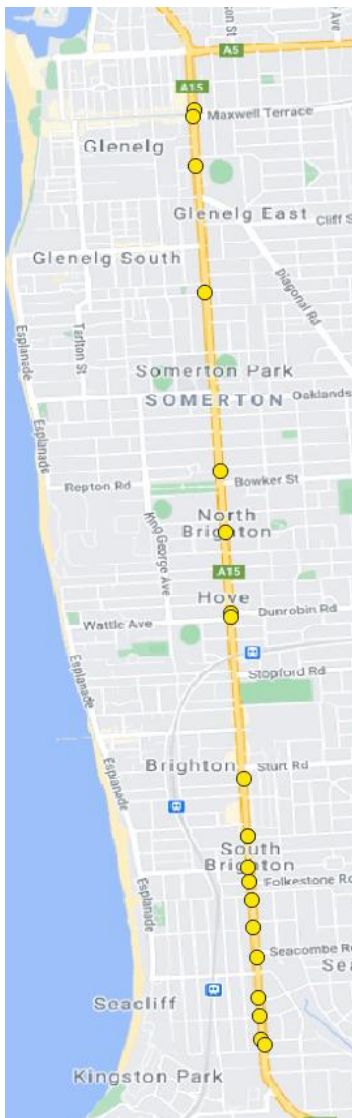
Direction and number of lanes tested: Northbound and Southbound, all lanes.

Date of assessment: 12-11-2020

Total sites assessed: 216

Total sites exceeding comfort benchmark: 20

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.



Approximate locations of sunken covers

Below is a list of 20 sites we believe to be under the care of SA Water. Covers at these sites recorded a high G-Force reading with visual defects causing driver discomfort or danger.

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

Location Description	Latitude	Longitude	Direction/Lane
DUNBAR TCE INTERSECTION	-34.9798	138.5203	SB LH
JETTY RD INTERSECTION	-34.9802	138.5202	NB RH
BUS STOP 24	-34.9832	138.5204	NB RH
ULTRA TUNE DRIVEWAY	-34.9907	138.5209	NB LH
OPP. GRANTHAM RD	-35.0015	138.5219	SB LH
QUANDONG ST INTERSECTION	-35.0051	138.5222	SB LH
DUNROBIN RD INTERSECTION	-35.0099	138.5225	SB LH
JUST N OF WATTLE AVE	-35.0102	138.5225	NB RH
IN FRONT OF BP	-35.0198	138.5233	SB LH
N OF LEWIS ST	-35.0233	138.5235	SB RH
LEWIS ST	-35.0233	138.5235	SB LH
SHOREHAM RD	-35.0252	138.5235	2B LH
DEVON ST	-35.0261	138.5236	NB LH
20M S OF YOUNG ST	-35.0272	138.5237	NB RH
15M N OF PORTLAND ST	-35.0288	138.5238	NB LH
25M S OF SEACOMBE RD	-35.0306	138.5241	SB LH
DON AVE	-35.033	138.5241	NB LH
MAITLAND TCE	-35.0341	138.5242	NB LH
OPP. BORTHWELL AVE	-35.0355	138.5243	NB LH
20M S OF BORTHWELL AVE	-35.0358	138.5245	SB LH

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 Brighton Road and recommends these results be reviewed and verified by SA Water prior to scheduling works.