

TAUPIRI NOISE CAMERA FEEDBACK – 10 JUNE 2019

NEW ZEALAND TRANSPORT AGENCY

INTRODUCTION:

Following numerous engine braking concerns from the Taupiri Community living adjacent to State Highway 1, the NZ Transport Agency embarked on installing 2 noise cameras, facing both direction of traffic. The noise cameras were installed to capture details of the time and vehicle identification/types generating engine braking noise.

The cameras have been installed and data captured since July 2018 to date.

CHALLENGES:

There have been a few technical challenges with the cameras since installation with the images from the cameras not being clear and some images not captured within certain time periods. Data was sketchy during the month of September to November 2018 but has been improved since with still a bit of tweaking required. This is being monitored by the NZTA noise experts and consultants.

PROGRESS TO DATE:

Community feedback on the location of the cameras have been taken into consideration with the cameras now located in a more appropriate location.

Data captured from June to August 2018 have been discussed with the community board in a meeting held in September 2018.

This data together with data up to April 2019 have also been sent to the local Road Transport Association(RTA) for comment and response. The RTA representative has been customer facing and cooperative in assisting with the noise issues.

There have been a few subsequent NZTA/RTA meetings held to discuss the noise issues and a way forward. The transport representative was meant to provide some feedback to the community board in the board meeting held in May but unfortunately could not attend. He has now left the RTA. There is a new representative that is willing to carry on with the liaison with NZTA on this matter.

The cameras are picking several different noise generators such as motorcycles, empty trailers, sirens and engine braking and the noise experts sift through the data to categorize and name the noise generated.

DATA CAPTURED:

Below are some of the most recent data as extracted from the noise camera reports collected and sent to the RTA for comment and action.

DATA CAPTURED FROM 06TH APRIL TO 28TH APRIL 2019 (extract from noise camera report)

Summary of events

Between the 6th April and the 28th April 2019 the following counts of potentially annoying events were detected. These counts are have been automatically identified.

Event type	Number of events detected	Percentage of annoying events
Motorbike	1181	30.7%
Car	239	6.2%
Bang or rattle	1043	27.1%
Truck acceleration/deceleration	1184	30.8%
Engine braking	186	4.8%
Siren	9	0.2%
Horn	2	0.1%
Total	3844	

Engine braking events

Total confirmed engine braking events: 95

These events have been confirmed with manual review. A number of the automatically classified events are either incorrectly classified, or may be engine braking that is combined with other noise.

Event date	Event time	Images
19/04/06	8:11	
19/04/07	14:50	
19/04/08	6:06	
19/04/08	6:44	
19/04/08	10:08	
19/04/08	12:02	
19/04/08	12:26	
19/04/08	17:04	
19/04/08	18:21	
19/04/08	23:11	
19/04/08	23:13	
19/04/08	23:13	
19/04/09	6:49	
19/04/09	8:55	
19/04/09	8:55	
19/04/09	9:26	
19/04/09	13:39	
19/04/09	13:39	
19/04/10	7:56	
19/04/11	2:19	
19/04/11	4:53	
19/04/11	6:21	
19/04/11	6:21	
19/04/11	7:29	
19/04/11	8:23	
19/04/11	8:23	
19/04/11	8:24	
19/04/11	8:49	
19/04/11	8:50	
19/04/11	11:51	
19/04/11	11:51	
19/04/11	11:51	
19/04/12	14:51	
19/04/12	17:45	
19/04/13	4:28	
19/04/14	0:22	

19/04/14	14:58
19/04/16	2:10
19/04/16	5:22
19/04/16	6:53
19/04/16	6:53
19/04/16	6:54
19/04/16	7:09
19/04/16	7:15
19/04/16	11:57
19/04/16	16:01
19/04/16	18:46
19/04/16	21:55
19/04/17	3:26
19/04/17	14:18
19/04/17	15:17
19/04/17	17:43
19/04/17	20:45
19/04/18	3:26
19/04/18	5:46
19/04/18	6:19
19/04/18	6:19
19/04/18	6:35
19/04/18	12:19
19/04/18	12:40
19/04/18	13:49
19/04/18	14:29
19/04/18	21:33
19/04/18	23:41
19/04/19	22:44
19/04/20	4:22
19/04/23	5:48
19/04/23	6:49
19/04/23	10:25
19/04/23	12:56
19/04/23	12:56
19/04/23	16:28
19/04/24	5:44
19/04/24	7:18
19/04/24	8:42
19/04/24	13:39
19/04/24	21:04
19/04/24	22:28
19/04/24	23:16

DATA CAPTURED FROM 17TH MARCH TO 06TH APRIL 2019 (extract from noise camera report)

Summary of events

Between the 17th March and the 6th April 2019 the following counts of potentially annoying events were detected. These counts are have been automatically identified.

Event type	Number of events detected	Percentage of annoying events
Motorbike	889	25.1%
Car	196	5.5%
Bang or rattle	963	27.2%
Truck acceleration/deceleration	1301	36.7%
Engine braking	184	5.2%
Siren	6	0.2%
Horn	2	0.1%
Total	3541	

Engine braking events

Total confirmed engine braking events: 67

These events have been confirmed with manual review. A number of the automatically classified events are either incorrectly classified, or may be engine braking that is combined with other noise.

Event date	Event time	Images
19/03/16	3:20	
19/03/16	3:20	
19/03/18	1:10	
19/03/18	3:04	
19/03/18	3:32	
19/03/18	3:32	
19/03/18	6:27	
19/03/18	9:36	
19/03/18	12:31	
19/03/18	13:20	
19/03/18	14:34	
19/03/18	14:34	
19/03/18	17:27	
19/03/18	18:55	
19/03/18	19:46	
19/03/19	8:19	
19/03/19	11:21	
19/03/20	10:25	
19/03/20	10:25	
19/03/20	17:55	
19/03/21	9:31	
19/03/21	12:32	
19/03/22	10:02	
19/03/22	11:50	
19/03/22	17:48	
19/03/23	18:56	
19/03/24	17:43	
19/03/25	9:30	
19/03/25	14:17	
19/03/25	17:32	
19/03/25	19:29	
19/03/26	8:31	
19/03/26	11:49	
19/03/26	14:15	
19/03/26	14:15	
19/03/26	20:01	

19/03/26	23:47
19/03/27	5:11
19/03/27	8:36
19/03/28	4:37
19/03/28	5:44
19/03/28	14:14
19/03/29	7:04
19/03/29	19:53
19/03/29	22:53
19/03/31	0:50
19/04/02	6:11
19/04/02	6:33
19/04/02	16:09
19/04/02	21:34
19/04/02	21:35
19/04/02	23:50
19/04/03	16:05
19/04/03	16:29
19/04/03	18:30
19/04/03	21:17
19/04/03	21:17
19/04/04	4:49
19/04/04	5:03
19/04/04	5:03
19/04/04	8:32
19/04/04	12:25
19/04/04	17:05
19/04/04	18:31
19/04/05	6:23
19/04/05	9:32
19/04/05	9:32

DATA CAPTURED FROM 1ST MARCH TO 17TH MARCH 2019 (extract from noise camera report)

Summary of events

Between the 1st March and the 17th March 2019 the following counts of potentially annoying events were detected. These counts are have been automatically identified.

Event type	Number of events detected	Percentage of annoying events
Motorbike	828	27.8%
Car	149	5.0%
Bang or rattle	756	25.4%
Truck acceleration/deceleration	1084	36.4%
Engine braking	150	5.0%
Siren	11	0.4%
Horn	1	0.0%
Total	2979	

CONCLUSION

The Transport Agency will continue to monitor the noise issue and engage with the community board and the RTA representatives to resolve.