



Far North
District Council



Church Road Dust Mitigation – Business Case

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Revision 1



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Executive Summary

Church Road carries an average of 61 heavy vehicle movements per day and the heavy vehicle traffic is expected to continue for the foreseeable future. The road is unsealed and the heavy vehicles create significant dust plumes in dry weather which affects residents' health and compromises the safety of other road users. Church Road is located approximately 5.5km east of Awanui off State Highway 10 and predominantly services lifestyle and rural properties. It is also a through route to Kaitia and is a State Highway detour route.

Road strengthening trials with different stabilisation products have been undertaken over several years on other unsealed roads within the district (e.g. Ngapipito and Pipiwai Roads) to try and strengthen the pavements and reduce dust. These have had mixed results due to site specific conditions and material types. In 2015 and 2016, the Far North District Council (FNDC) undertook several dust coat seals on Pipiwai Road to try and mitigate dust effects to local residents. These dust coat seals have not been entirely successful mainly due to the length of the dust coat seals being too short to be effective given the way the dust plume tends to follow the truck along the road.

An assessment using the NZTA *General Circular Investment: No 16/04* was undertaken to determine the significance of the dust risk on this route. This assessment indicated that the Church Road route had a dust risk of Medium/High. The site has a score of 18 and is the third highest priority site in the Far North District.

Dust mitigation should be considered on Church Road mainly to reduce health effects of dust to residents. It would also have the benefit of reducing the safety effects of clouds of dust blinding oncoming motorists.

Church Road was identified having dwellings within 80m of the unsealed road as described in the following table:

Location	Route Position	Untreated Length	Dwellings within 80m of Road
Church Road	13,080-15,017	1.94km	12

A key conclusion in the April 2019 report *Health Impacts of PM₁₀ from Unsealed Roads in Northland* (Emission Impossible Ltd) prepared for the Ministry of Health was:

'Overall, the monitoring at Pipiwai Road suggests that there is a significant risk of exceedance of the PM₁₀ NES near unsealed roads with more than 40 trucks per day.'

This report notes the importance of assessing the risk of exceedance of the PM₁₀ NZ National Environmental Standards (NES) near unsealed roads based on **PEAK** daily traffic, and not average daily traffic. The most recent traffic count data for Church Road gives an ADT of 61 trucks (HCVs) per day. This well exceeds the Pipiwai Road ADT of 32 trucks per day that resulted in 101 days with more than 40 trucks per day over the same time period, and 27 exceedances of the PM₁₀ NES.

It is therefore highly likely that there would be a significant number of days on Church Road where the PM₁₀ NES would be exceeded. This strongly indicates that dust mitigation is required to protect the health of the adjacent residents.

Options were considered to address these problems. These options are summarised below:

- Reducing vehicle speeds;
- Grading;
- Wetting the pavement with a watercart;
- Wet, Roll and Grade;

- Dust Suppression;
- Wearing Course with reduced Dust Suppression; and
- Sealing the road.

The only practical options to mitigate dust in the long term were dust suppression and sealing the road.

A Net Present Value (NPV) assessment of these options indicated that sealing the road was the preferred option as shown in the table below:

Location	Preferred Option	Treatment Length	Treatment Cost	PV Costs	NPV Cost of Sealing Option
Church Road Option 1	Sealing	1.94km	\$770,000	\$838,766	+\$659,518
Church Road Option 2	Sealing	1.94km	\$770,000	\$847,239	+\$134,372

It is also important to note that any benefits associated with travel time savings, productivity improvements, vehicle operating cost savings, crash cost savings, and health benefits have not been included in the above NPV analysis. Neither have nuisance effects of dust (including the degradation of amenity values), ecological effects, and agricultural & horticultural effects been considered in the analysis.

It is recommended that NZTA endorses the preferred option to seal Church Road. This option is to provide seal to mitigate the health risks due to dust for residents in dwellings within 80m of the road. This work would involve 1.94km of seal extension and would be funded through Council's Low Cost Low Risk programme at an estimated cost of \$770,000.

1. Background

Church Road is located approximately 5.5km east of Awanui off State Highway 10 and predominantly services lifestyle and rural properties. It is also a through route to Kaitaia and is a State Highway detour route.

Dust on this unsealed road has caused significant concern for residents for many years and complies with Far North District Council (FNDC) criteria for the application of dust suppression along this route. An assessment of the traffic volumes against a research site on Pipiwai Road indicates that there is a high probability that there would be a significant number of days on Church Road where the PM₁₀ NES would be exceeded.

Road strengthening trials with different stabilisation products have been undertaken over several years on other unsealed roads within the district (e.g. Ngapipito and Pipiwai Roads) to try and strengthen the pavements and reduce dust. These have had mixed results due to site specific conditions and material types. In 2015 and 2016, FNDC undertook several dust coat seals on Pipiwai Road to try and mitigate dust effects to local residents. These dust coat seals were not entirely successful mainly due to the length of the dust coat seals being too short to be effective given the way the dust plume tends to follow the trucks along the road.

FNDC has undertaken an assessment of its unsealed network using the NZTA *General Circular Investment: No 16/04* criteria. The top priority sites have been field validated including recent traffic counts, and Church Road is the third highest priority site.

2. Strategic Context

2.1 Government Policy Statement on Land Transport 2018/19 2027/28 (GPS 2018)

The GPS 2018 identifies its four strategic priorities as:

- safety
- access
- environment
- value for money

Table 1: Relationships between strategic priorities, national land transport objectives, results and reporting of the GPS 2018 (page 29) includes the following relevant 'Safety' and 'Environment' national land transport objectives:

Safety		
Long-term results (10+ years)	Short to medium term results (3-6+ years)	Reporting measures
National land transport objective: A land transport system that is a safe system, free of death and serious injury		
Significant reduction in deaths and serious injuries	2 State highways and local roads are safer for everyone	<p>Number of people killed or seriously injured (by mode, road type, and Road Controlling Authority) per capita and vehicle kilometres travelled.</p> <p>Investment in safety improvements by road type, road classification and Road Controlling Authority.</p> <p>Improvement in safety ratings of treated roads (before and after intervention).</p>

Environment		
Long-term results (10+ years)	Short to medium term results (3-6+ years)	Reporting measures
National land transport objective: A land transport system that reduces greenhouse gas emissions, as well as adverse effects on the local environment and public health		
Reduce transport's negative effects on the local environment and public health	26 Reduced significant harmful effects of land transport-related air pollution	<p>Tonnes of harmful emissions from land transport (i.e. NO₂, PM₁₀ and PM_{2.5}) emitted per year by region.</p> <p>Apportioned harm (deaths and QALYS) from exposure to air pollutants from land transport by region.</p>

The mitigation of dust effects on heavy freight routes is consistent with these GPS 2018 strategic priorities and objectives.

2.2 Regional Land Transport Plan (RLTP) 2015 – 2021 (Review for 2018-2021)

In February 2017, as part of the review of the Northland RLTP, Northland's councils and the NZ Transport Agency participated in an exercise to better understand and address the current problems with the Northland transport network ('Investment Logic Mapping' or 'ILM'). A number of challenges were identified, grouped into the following three categories (page 9):

- Difficult geology - which restricts the development of sustainable, resilient infrastructure which results in lost opportunities for regional economic development (including tourism).
- Some communities have poor access to employment, education and recreational opportunities. The region better needs to prioritise available investment.
- Proportion of unsealed roads - heavy vehicles are often required to use unsealed roads to access arterial routes which is negatively impacting on the amenity and health of our communities.

The ILM exercise also discussed the relative scale of the problem. Difficult geology and the lost opportunity for regional economic development was seen as the most significant problem, with poor access and the need to prioritise investment, along with the proportion of unsealed roads and negative effects from heavy vehicles, being the number two and number three problems respectively.

The RLTP summarises the contributing factors to the key problems (page 10) including:

Proportion of unsealed roads and associated adverse effects from heavy vehicles:

- As stated, 60% of Northland's road network is unsealed. In recent years an uptake in forestry harvesting has led to increased numbers of heavy vehicles using unsealed roads in Northland to access state highways and Northport.
- Regular summer roadside monitoring of selected locations by the regional council have found that levels of dust are present that can cause negative health and environmental effects. It is difficult to quantify the scale of the problem however work is ongoing to get a fuller picture of the hotspots.
- Northland's unsealed roads are likely to have relatively weak subgrades, and coupled with significant freight volumes and dry summers, dust can be a significant issue.
- The adverse effects are three-fold: health effects, through the exacerbation of respiratory conditions particularly in the very young and elderly populations; environmental effects, through a negative effect on amenity and contamination of soil and water; safety, as the dust thrown up by heavy vehicles can substantially reduce visibility and contribute to accidents.

The RLTP's **Regional Priority 6: Reducing the environmental effects from the transport network** (page 44) states:

Dust on unsealed roads - what are the problems?

In Northland there are 5,877km of local roads, of which only 2,397km (or 40%) are sealed.

As the movement of vehicles (particularly heavy vehicles) using unsealed roads continues to grow, so does the number of dust related problems.

Dust from unsealed roads can adversely affect personal health and wellbeing and impact on crops, native vegetation, animal health and water quality. These problems can be exacerbated by prolonged periods of little rain and an increase in heavy vehicle use. This has resulted in affected communities approaching the relevant approved road controlling authorities with a request to remedy the situation.

There is growing concern from residents on unsealed roads (not just forestry routes but developing areas) to seal their roads or at least their property frontages as dust is becoming more of a topic of discussion. This is to reduce the impacts of dust on residents' health and to improve road safety. Councils have received numerous complaints over the years to either seal a road or to undertake dust suppression.

NZTA research

NZTA has commissioned 'road research report 590', titled "Impacts of exposure to dust from unsealed roads". This report gave good grounds to review the investment assessment process to consider the preferred approach to investment in dust mitigation.

The report has provided the basis for a methodology to pragmatically assess the level of health risk associated with individual unsealed roads.

In 2017, Local Government New Zealand and the Road Controlling Authorities Forum established a road dust working group which is developing a case to prioritise mitigation and investment.

All the road controlling authorities and the Northland Regional Council recognise there are nuisance and potentially health-related issues associated with dust from unsealed roads. However, the immediate solutions of dust suppressants or road sealing require significant financial investment. Given the scale of the region-wide dust problem, it is more practical to first address the worst affected areas using a clear and consistent method to identify priority areas and preferred mitigation options.

Where are the problems?

Far North District

An assessment has been undertaken of the highest risk roads for dust using the Dust Risk Matrix from NZTA's General Circular 16/04. An extract from this assessment is shown below. There are 374km of unsealed roads with a dust risk score of 12 or more from which there are 711 houses exposed to a potential dust risk.

What is being done to address the issue? (page 48)

Far North District

A business case has been developed and approved to fund the sealing of Pipiwai and Ngapipito Roads where dust from forestry activities has been an ongoing issue for resident's health. The work here set the foundation for continued investigation and analysis of the district's roads to determine the levels of investment and quantum of work needed to address this issue. This will be an ongoing body of work to develop business cases that not only attract the subsidy but also justify the argument that a given road should have a treatment done.

Options assessed in the 2018/21 Transport Activity Management Plan (AMP) are:

- Mix of dust coat seals and suppression - this would be able to be implemented immediately, this will see some of the network treated and the concerns of the public and short term dust impacts addressed.
- Seal extensions - longer term approach would be to invest in the pavements of the high scoring dust risk affected roads with the final outcome being to seal these appropriately. This may include single lane seals, geofabric membrane backed seal chips and full width carriageway upgrades. Assessments need to be undertaken to determine volumes of traffic so the right investment decision can be made in the future.

Overall it is expected that there will be a decrease in the number of dwellings affected by PM₁₀ dust and there will be an increase in the level of satisfaction of the Council's unsealed road network.

What funding has been allocated or applied for? (page 49)

Far North District Council

\$1 million a year per year has been applied for dust sealing of district roads for customer/community health and safety.

Under which category has the funding been applied for and the reasons why this funding category is being used. (page 50)

Subsidy funding has been applied for under NZTA's Dust Risk Matrix from their General Circular 16/04 which defines which funding categories are applicable.

Far North District Council

Funding for these activities has been applied for under NZTA work category WC341 Low Cost/Low Risk.

Dust suppression: Work category 112 Unsealed Pavement Maintenance.

2.3 Far North District Council Long Term Plan (LTP) 2018-2028

The Far North District Council's LTP (that includes its 30 Year Infrastructure Strategy) identifies dust nuisance from unsealed roads as being a Significant Negative Effect of the transport system.

The following projects, work activities, key issues and significant effects are identified in the LTP:

Major capital projects (page 31) - District-wide dust mitigation totalling \$14 million.

Our environment and heritage (page 40) - Our air quality is generally good but dust from heavy vehicles travelling on unsealed roads is a problem in rural communities during dry summer periods.

Asset performance (page 55) - The unsealed network, however, is an ongoing issue. There are considerable concerns around the possible health implications of dust generated by traffic, and pressure to mitigate this through sealing or the application of dust suppression measures. Some roads on the unsealed network are being adversely affected by the forestry industry and will require strategic maintenance to improve them.

Key issues (page 56) - Logging and dairy freight: Logging and dairy truck movements on selected routes pose problems both for residents and businesses moving the goods. The volume of traffic associated with these activities cause accelerated damage to pavements and surfaces, dust which poses health issues for residents and damage or failures of other parts of the asset. The need to move freight efficiently and

support economic growth results in additional work to manage the damage caused and alleviate the problems faced by residents.

Summary of significant expenditure (page 61)- Dust seals - Sealing of critical risk roads that pose a threat to public health through dust generation - Years 1-10 - \$11 million.

Significant negative effects (page 98) - Roothing activities may contribute to a number of negative environmental effects including (but not limited to) flooding effects, air quality, noise, safety and issues relating to dust and heavy traffic. Activities are therefore undertaken in accordance with environmental standards and, where appropriate, resource consent conditions to ensure that negative impacts on the environment are avoided, remedied or appropriately mitigated.

Dust nuisance is recognised as a significant effect, particularly brought about by the level of forestry traffic on the Far North's roading network. Council continues to maintain relationships with the forestry industry while monitoring the effects of dust on our communities. We aim to apply dust suppression solutions and repair deteriorated roads as funding allows and on a priority basis while the Northland Transportation Alliance works with the NZTA to develop long-term strategies for the management of this issue.

2.4 Far North District Council Dust Management Policy

The Far North District Council has developed a Dust Management Policy to identify and manage sites with high levels of dust. The policy identifies potential treatments for dusty sites including:

- a. Road Surface Treatments:
 - Full seal extension
 - Seal road frontage
 - Apply an approved dust suppression product
 - Water the road
 - Treat the road surface
- b. Road Users Management:
 - Reduce traffic by using an alternative route
 - Reduce speed
- c. Adjoining Property Enhancements:
 - Slow the wind – planting of shelter belts
 - Reduce dust entering the home and water supply

3. Scale of the Dust Problem within the District

An assessment of the highest priority unsealed road sites in the district was undertaken using the NZTA *General Circular Investment: No 16/04* criteria and the results are shown in the table below:

NZTA (General Circular 16/04)																
Road Name	Road ID	Start	End	Length	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE	16/04 SCORE
					HCV 5 day AADT	HCV Speed	LDV 5 day AADT	Speed of LDVs (Est)	Houses / km (80m from road)	sensitive locations /km schools, marae, or hospitals	Ecologica l Areas / km	Horicul- tural areas / km	Location of roadway	Frequenc y of rain days (>5mm)	Longevit y of logging route use	SCORE NZTA Circular 16/04 OVERALL
																PRIORITY
																Traffic Count
																HCV Count
																Density - dwellings per km
Koropewa Road	1872	15	1,675	1,660	4	2	2	1	5	0	0	1	1	1	2	19
Waimanoni Road	2499	0	615	615	5	2	1	2	5	1	0	1	1	2	2	22
Church Road	1596	13,080	15,017	1,937	5	2	1	2	3	0	0	0	1	2	2	18
Arawhata Road	3057	285	1,329	1,044	4	2	1	2	5	0	0	0	1	2	2	19
Kaimaumau Road	1838	8,759	9,933	1,174	4	2	1	2	5	0	0	0	1	2	2	19
Parapara Road	2134	0	550	550	2	2	1	2	2	0	1	1	2	2	2	17
Church Road	1596	10,845	13,080	2,235	5	2	1	2	2	0	0	0	1	2	2	17
Kokohuia Road	1869	164	1,560	1,396	4	1	2	1	5	0	0	0	1	2	2	18
Aurere Beach Road	1510	0	543	543	3	2	1	2	5	0	0	0	1	2	2	18
Whakataha Road	2551	0	1,690	1,690	3	2	1	2	5	1	0	1	1	0	2	18
West Coast Road	2543	25,167	27,880	2,713	4	2	1	2	3	1	0	0	1	1	2	17
Te Tii Road	2431	0	601	601	4	2	1	2	2	0	0	0	1	2	2	16
Quarry Road	2210	3,646	6,098	2,452	4	2	1	2	2	0	0	0	1	2	2	16
Parapara Road	2134	550	2,270	1,720	2	2	1	2	2	0	1	1	1	2	2	16

This indicates that Church Road that is being considered in this business case is a high priority site in the Far North District.

4. Public Feedback

4.1 Public Requests

Public requests for dust relief on Church Road have been received by Council for many years. The requests reported to Council have been included in Appendix 2.

The key concerns identified by the public are:

- That heavy vehicle traffic is generating a lot of dust.
- Concern about the health effects of the dust on residents.
- Grading required.
- Poor state of the road (potholes, corrugations, & lack of metal)
- Road should be sealed.
- Request for dust suppressant.

5 Problem Definition

Dust mitigation is being considered on Church Road primarily to reduce health effects of dust to residents. It would also have the benefit of reducing the safety effects of clouds of dust blinding oncoming motorists, and providing a safer driving surface.

5.1 Health Effects to Residents

Dust from unsealed roads, and specifically PM₁₀ dust, is a known health hazard to residents. In July 2014, the Northland District Health Board provided a letter in support of dust mitigation on high volume logging/trucking routes (see Appendix 1). This letter describes some of the health hazards from PM₁₀ dust as follows:

"A large US study showed that for each 10µg/m³ increase in fine particulate air pollution there was a 6% increase in all-cause mortality, a 9% increase in cardiopulmonary mortality and a 14% increase of lung cancer, while a recent European study showed an 18% increase in lung cancer for each 5µg/m³ increase in PM_{2.5} concentration."

"The 2012 Health and Air Pollution in New Zealand Study estimated that about 1,170 New Zealanders die prematurely from PM₁₀ emissions produced by human activities each year. Wood and coal burning in winter contribute most to PM₁₀ emissions in NZ, with most exceedances occurring in South Island urban centres. However, studies from the United States suggest that unsealed roads are responsible for 36% of emitted annual PM₁₀ emissions there. New Zealand has a similar proportion of unsealed roads (35%) and less industry, so it is likely that unsealed road dust may contribute significantly more to overall PM₁₀ emissions here, particularly in Northland where there are substantial logging operations."

The NZ National Environmental Standards (NES) for Air Quality has set a 24-hour average limit on exposure to PM₁₀ particles of 50µg/m³ with one permitted exceedance in any 12-month period.

NZTA Research Report 590 *Impacts of exposure to dust from unsealed roads* [April 2017] identifies that dwellings within 80m of an unsealed road are at risk from dust effects. Church Road has dwellings within 80m of an unsealed road and these are described in the following table along with the number of dwellings:

Location	Route Position	Untreated Length	Dwellings within 80m of Road
Church Road	13,080-15,017	1.94km	12

The April 2019 report *Health Impacts of PM₁₀ from Unsealed Roads in Northland* (Emission Impossible Ltd) prepared for the Ministry of Health has three main objectives:

- i Summarise the findings of an ambient air quality monitoring study carried out in Northland near an unsealed road for the year ending 31 May 2018;
- ii Investigate PM₁₀ exposure from unsealed roads as a function of traffic and meteorology; and
- iii Undertake an assessment, with sensitivity analysis, of the likely health impacts of PM₁₀ from unsealed roads in Northland

A key conclusion in the report was:

'Overall, the monitoring at Pipiwai Road suggests that there is a significant risk of exceedance of the PM₁₀ NES near unsealed roads with more than 40 trucks per day.'

The report also notes that:

'Sensitive populations – Māori are known to be disproportionately impacted by air pollution. Adoption of a Māori-specific exposure-response relationship increased chronic health impacts by 54%.'

and that:

'Rural Northland has a relatively high (22%) portion of the population that are Māori so this is an important issue.'

5.2 Health Effects to Residents - Church Road

Church Road was assessed for dust risk using the NZTA *General Circular Investment: No16/04* which is based on the findings of the NZTA Research Report 590 *Impacts of exposure to dust from unsealed roads* [April 2017]. This risk assessment has identified the following after carrying out a site specific assessment:

Site	Dust Risk Score	Dust Risk
Church Road	18	Medium/High

The *Health Impacts of PM₁₀ from Unsealed Roads in Northland* (Emission Impossible Ltd) report notes the importance of assessing the risk of exceedance of the PM₁₀ NES near unsealed roads based on **PEAK** daily traffic, and not average daily traffic:

'It should be noted that this threshold is based on peak daily traffic, not annual average daily traffic. For example, over the monitoring period at Pipiwai Road, the annual average daily traffic for trucks was 32. However, over the same time period there were 101 days with more than 40 trucks per day and there were 27 exceedances of the PM₁₀ NES.'

The most recent traffic count data for Church Road (4 October 2019) gives an ADT of 61 trucks (HCVs) per day. This well exceeds the Pipiwai Road ADT of 32 trucks per day that resulted in 101 days with more than 40 trucks per day over the same time period, and 27 exceedances of the PM₁₀ NES.

It is therefore highly likely that there would be a significant number of days on Church Road where there would be more than 40 trucks per day with associated exceedances of the PM₁₀ NES. This strongly indicates that dust mitigation is required to protect the health of the adjacent residents.

The following table provides a comparison with FNDC and Whangarei District Council roads previously approved for sealing by NZTA within the past four years, Mataraua Road (NZTA Circular 590 *Impacts of exposure to dust from unsealed roads*), and Pipiwai Road (Emission Impossible Ltd report *Health Impacts of PM₁₀ from Unsealed Roads in Northland*):

Site	Treatment Length	Houses per km	Traffic Volume	HCV Volume	Dust Risk Score	Notes
Ngapipito Road Site 1	2.30km	2	133	20	17	
Ngapipito Road Site 2	4.11km	2	220	75	20	
Pipiwai Road Site 1	1.29km	1	100	39	16	
Pipiwai Road Site 2	2.40km	2	160	69	18	
Wright/McCardle Roads	2.52km	1	155	93	16	
Mataraua Road (NZTA Circular 590)		8-10	>300	>50	20	Dust Risk Score adjusted to exclude score of 2 for 'Nuisance effects for residents (complaints/year)'
Pipiwai Road (Emission Impossible Ltd report test site)			117	32	18	One exceedance of the 24-hour NES for PM ₁₀ is permitted within any 12-month period
Church Road	4.56km	6	185	61	18	Dust Risk Score adjusted to include score of 2 for 'Longevity'

Church Road ranks well when compared with these roads, and noting that it has at least three times the number of dwellings per kilometre than Ngapipito Road, Pipiwai Road, and Wright/McCardle Roads.

The following map shows the location of Church Road (RP 13,080 to RP 15,017):



6 Benefits and Consequences

The benefits and consequences of addressing the problems identified in Section 5 are shown in the following table:

Problem	Benefits of Addressing the Problem	Consequences of <u>Not</u> Addressing the Problem
<ul style="list-style-type: none"> • Health effects of dust on residents. • Health effects of dust on horticulture. • Safety effects of dust on road users. 	<ul style="list-style-type: none"> • Improved health of residents. • Improved quality of horticulture produce, and plant growth rates and health. • Improved visibility for road users. 	<ul style="list-style-type: none"> • Residents health will suffer. • Downgrading and rejection of produce, reduced photosynthesis, growth rates, plant health, & pesticide effectiveness, and increased incidence of pests and diseases. • Adverse driving conditions remain.

7 Options

7.1 Dust Mitigation Options

There are a range of dust mitigation options that could be considered as follows:

- Reducing vehicle speeds;
- Grading;
- Wetting the pavement with a watercart;
- Wet, Roll and Grade;
- Dust Suppression;
- Wearing Course with reduced Dust Suppression; and
- Sealing the road.

These options are described below.

Reducing vehicle speeds could be encouraged by installing dust hazard signs or voluntary speed limits. However, this is not considered practical as it would be difficult to enforce and would set a precedent for the other 1,650km of unsealed road throughout the District.

Grading was considered but is not really an option in dry conditions as this loosens the top surface which just creates more dust, as well as a poorer driving surface, corrugations and potholes due to the unbound material.

Wetting the pavement with a watercart would be very expensive as it would require the water cart to be constantly running over the road to wet it down. A day of watercarting would be in the order of \$1,000/day for one water cart which could probably wet down about 2-3km for each water cart. Over a 6 month summer period, this would equate to \$72,000/km/year.

The option to do a wet, roll and grade involves wetting the pavement, grading it and rolling it to form a tight surface. This treatment would only last about a week before dust becomes an issue again. The cost of this treatment is approximately \$2,825/week/km or \$73,450/km/year.

Both the watercarting and wet, roll and grade options assume that water can be extracted from local streams. Often during the peak summer dry season, NRC prohibits water being taken from local streams. So during these periods this water would need to be sourced from Council water supplies which would markedly increase costs (assuming that there are no Council water restrictions also in place which are indeed common in the Far North District). This is likely to double the costs of watercarting. If Council also had water restrictions, then watercarting

or wet, roll and grades would not be feasible unless water could be sourced elsewhere. Given that Northland has had numerous official droughts in the last decade, this would not be a reliable treatment method.

Both of these options are about the same cost or higher than dust suppression and could even be more expensive if water needs to be supplied by watertanker from town. For these reasons, watercarting and wet, roll and grade options have not been considered further.

An assessment using NZTA Research Report 590 (see Appendix 4) identified that the following mitigation options are appropriate for this site:

- Sealing the road;
- Dust suppression using Magnesium Chloride; and
- Applying a metal wearing course with reduced dust suppression.

Based on the feedback from the FNDC metal strengthening trials (5 different products trialled) which were started in November 2016, the preferred dust suppression is Gravel Lock. The estimated costs of Gravel Lock are:

- Gravel Lock (a Magnesium Chloride based product) - \$15,263/km x 1 initial application/year + \$10,020/km x 2 top-up applications/year = \$68,487/km/year.

The last option, sealing, is a suitable option for the route but has a high upfront cost. Both the sealing and dust suppression options are assessed in the following section.

7.2 Dust Mitigation for Residents' Health

The treatment length expected to be required to mitigate the effects of dust on local residents by providing increased mitigation to houses that are 80m or less from the road are shown on the map in Appendix 3 – Map of the Route and Potential Mitigation Length.

The estimated cost and Net Present Value (NPV) analysis of the site and each mitigation option are described in the table below:

Treatment Option	Main Problem Addressed	Treatment Length	Treatment Cost	PV Costs	NPV Cost of Sealing Option
Option 1 - Dust Suppression	Residents' health	1.94km	\$68,487/year	\$1,498,284	N/A
Option 2 - Wearing Course with Reduced Dust Suppression	Residents' health	1.94km	\$32,301/year	\$981,611	N/A
Sealing	Residents' health	1.94km	\$770,000	Option 1 - \$838,766 Option 2 - \$847,239	Option 1: +\$659,518 Option 2: +\$134,372

The NPV analysis shows that sealing has a positive NPV and is therefore preferable over dust suppression.

7.3 Preferred Option

The preferred option is to seal the road to provide dust mitigation. The estimated cost of this work is \$770,000.

8 Funding Plan

8.1 Funding Source

This work would be undertaken through Council's Low Cost Low Risk Programme.

8.2 Timing of Funding

If approved the physical works would be undertaken during the 2020/21 financial year.

9 Investment Assessment

9.1 General Circular Investment: No 16/04

The dust risk for the site has been assessed in accordance with *General Circular Investment: No 16/04* as follows:

Site	Dust Risk	Investment Assessment
Church Road	18	Recommended that dust mitigation is eligible for NZTA funding

9.2 Net Present Value Assessment

A net present value (NPV) assessment has been undertaken for the site. The option to seal the road has positive NPVs when compared to using dust suppression (Option 1), or a wearing course with reduced dust suppression (Option 2) to mitigate the dust impacts. This is shown in the following table:

Location	Preferred Option	Treatment Length	Treatment Cost	PV Costs	NPV Cost of Sealing Option
Church Road Option 1	Sealing	1.94km	\$770,000	\$838,766	+\$659,518
Church Road Option 2	Sealing	1.94km	\$770,000	\$847,239	+\$134,372

It is important to note that any benefits associated with travel time savings, productivity improvements, vehicle operating cost savings, crash cost savings, and health benefits have not been included in the above NPV analysis. Neither have nuisance effects of dust (including the degradation of amenity values), ecological effects, and agricultural & horticultural effects been considered in the analysis.

Section 2.2.1 (Human health effects) of NZTA Research Report 590 '*Impacts of exposure to dust from unsealed roads*' [April 2017] states that 'the health and air pollution in New Zealand (HAPINZ) study (Kuschel et al 2012) has produced a Health effects model, which allows estimation of public health outcomes and associated social costs due to exposure to PM₁₀, and that the 'model is applied in chapter 6 of this report to quantify the cost of health impacts of dust from unpaved roads'. Section 6.4 (Benefit-to-cost ratio of dust mitigation) states the benefit/cost ratio (mitigation vs no mitigation) of a sealed road surface (40-year life) versus an unsealed & untreated road is 1.9 highlighting the significant health benefits incurred when sealing a road.

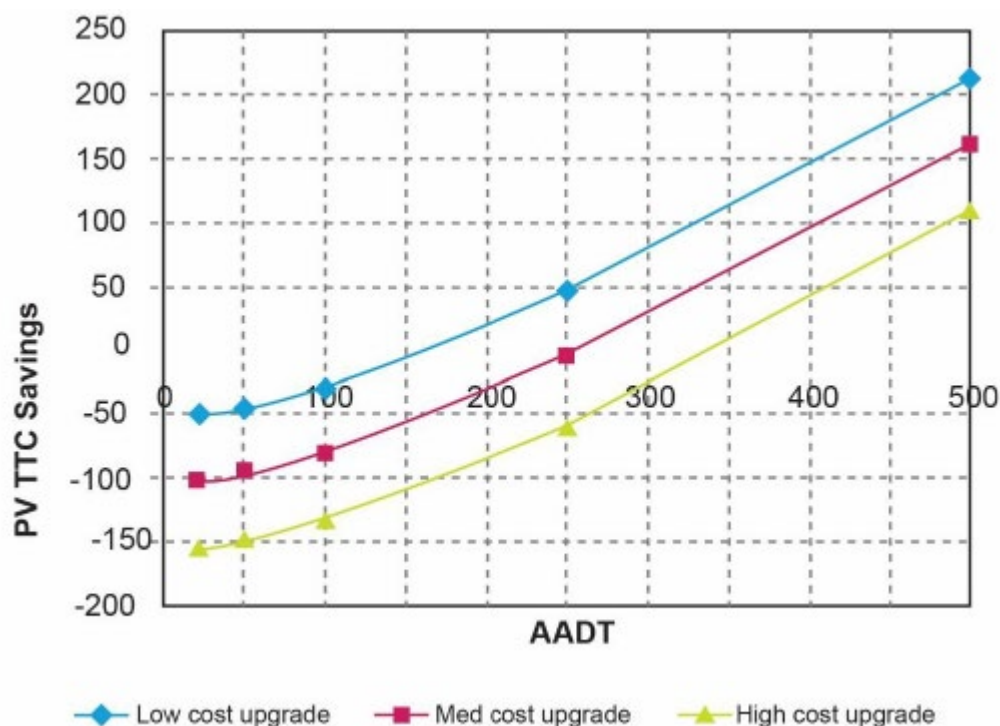
9.3 ARRB Unsealed Roads Best practice Guide

The recently released Australian Road Research Board's (ARRB) Best Practice Guide for Unsealed Roads [March 2020] states that:

'Figure 2.18 shows the impact of the present value of total transport costs (PV TTC) of the cost of upgrading from an unsealed road to a sealed road for various levels of traffic. For AADT values greater than 250, most upgrade costs result in a positive PV TTC.'



Figure 2.18: Present value of total transport costs (PV TTC) vs AADT for various upgrade costs



Rules of Thumb on When to Seal

The rules of thumb on when to seal an unsealed road, subject to a follow-up economic analysis, are as follows:

- If traffic volumes are less than 100 vehicles per day (vpd), it is unlikely to be able to justify sealing unless resheeting the existing unsealed road is extremely costly due to scarcity of suitable locally available gravels.
- If traffic volumes are 100 to 250 vpd, sealing the existing road will be highly dependent upon the outcome of a properly conducted economic analysis.
- If traffic volumes are greater than 250 vpd, sealing the existing road is highly likely to be justified based on a properly conducted economic analysis.

The NPV assessment for Church Road, with an AADT of 185 and an HCV AADT of 61, aligns well with Figure 2.18 above, and the ARRB's *Rules of Thumb on When to Seal*.

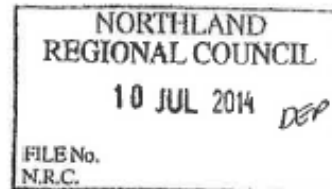
10 Recommendation

It is recommended that NZTA endorses the preferred option to seal Church Road. This option is to provide seal to mitigate the health risks due to dust for residents in dwellings within 80m of the road. This work would involve 1.94km of seal extension and would be funded through Council's Low Cost Low Risk programme at an estimated cost of \$770,000.

Appendix 1 – Northland District Health Board Letter



4 July 2014



Malcolm Nicolson
Chief Executive Officer
Northland Regional Council
Private Bag 9021
Whangarei Mail Centre
WHANGAREI 0148

Dear Malcolm

Adverse Health Effects from Road Dust

Thank you for your letter of 25 June 2014 requesting evidence to support funding applications for unsealed roads in Northland.

Northland District Health Board (DHB) supports Northland Regional Council's (NRC) efforts to find a lasting solution to the problem of high levels of road dust on priority high-volume logging/trucking roads, as well as the other road safety hazards associated with this.

Although the nuisance and irritant effects of airborne dust are the most evident adverse effect of road dust, the more important health impacts are predominantly related to exposure to particulate matter less than 10 microns (PM₁₀), rather than from the visible dust particles. PM₁₀ and smaller sized particles are important because they are small enough to pass through the nose and throat, and deposit in the lower airways and alveoli of the lung.

The International Agency for Research on Cancer (IARC) has recently (October 2013) classified outdoor air pollution, and particulate matter specifically, as a Group 1 carcinogen.¹ A large US study showed that for each 10 µg/m³ increase in fine particulate air pollution there was a 6% increase in all-cause mortality, a 9% increase in cardiopulmonary mortality and a 14% increase in risk of lung cancer, while a recent European study showed an 18% increase in lung cancer incidence for each 5 µg/m³ increase in PM_{2.5} concentration.² There is also good evidence that improvements in air quality can lead to quite rapid improvement in health at a population level (within a few years).³

The 2012 Health and Air Pollution in New Zealand Study⁴ estimated that about 1170 New Zealanders die prematurely from PM₁₀ emissions produced by human activities each year. Wood and coal burning in winter contribute most to PM₁₀ emissions in NZ, with most exceedances occurring in winter in South Island urban centres. However studies from the United States suggest that unsealed roads are responsible for 36% of emitted annual PM₁₀ emissions there.⁵ New Zealand has a similar proportion of unsealed roads (35%) and less industry, so it is likely that unsealed road dust may contribute significantly more to overall PM₁₀ emissions here, particularly in Northland where there are substantial logging operations.



The health effects of PM₁₀ particles are predominantly respiratory and cardiovascular, and may be sub-clinical (for example, a reduction in measured lung function) or symptomatic, including cough, chronic bronchitis, exacerbations of asthma and post-neonatal (infants from one month to one year) respiratory mortality. The severe health impacts of PM₁₀ are unevenly distributed, with infants, young children, those who already have respiratory or cardiovascular diseases and the elderly most affected. There is no known "threshold" for these effects; that is, increasing exposure is associated with increased frequency of effects and there is no apparent threshold dose below which no effects occur.^{vi}

In the Northland context, exposure to road dust and thus potentially high levels of PM₁₀ is intermittent (mainly over the drier summer months, although this can be quite prolonged), and impacts are across scattered, small rural populations. Monitoring of PM₁₀ has been minimal, so the levels of exposure long-term are not possible to quantify - although the data that does exist suggests there are significant exceedances of the national environmental standard¹ and WHO guidelines for PM₁₀ in the affected areas.^{vii}

In the affected areas of Northland, a substantial proportion of the communities affected are already highly vulnerable, being in areas of relative socioeconomic deprivation, predominantly Māori, and with higher proportions of children and elderly than the national average. The health status of Māori children in Northland is poor by national standards, with high rates of asthma (it is estimated that nearly 9000 children under 15 years in Northland are affected by asthma, with higher rates in Māori and in lower socioeconomic communities) and respiratory diseases such as bronchiolitis. Hospital admissions due to respiratory conditions are 2-3 times higher for Māori children compared with non-Māori in Northland.^{viii}

Chronic obstructive pulmonary disease (COPD) in adults is also nearly two times higher in Māori adults than non-Māori, and affects Māori at earlier ages. Road dust and PM₁₀ exposure is known to exacerbate this common condition, which affects about 15% of adults over 45 years and has a huge impact on quality of life, with progressive shortness of breath and decreased mobility.^{ix}

In 2003, the Asthma Foundation estimated the health sector costs alone per year per COPD patient were \$2566, not including loss of income to the patient, loss of quality life and costs to whānau, etc.⁹ A hospital admission for asthma in a child costs approximately \$1200-1500 per day. However the true cost of these illnesses to the individual, their family and the economy is considerably greater, as they involve loss of quality of life, loss of educational and employment opportunities, and productivity losses. Given that exposure to road dust PM₁₀ occurs over prolonged periods, and affects highly susceptible communities who already have poor health status, the economic costs of the health impacts of road dust in Northland are likely to be significant, though currently unquantifiable.

¹ The national air quality standards for PM₁₀ are set at a daily threshold of 50µg/m³ as a 24hr mean and an annual average of 20µg/m³. Dunedin is the only NZ city consistently exceeding the annual threshold. A level of >50µg/m³ is worse than being in all day in traffic on a still day in Queen St (Auckland), or similar to being in Invercargill on a cold winter's night with smoke from wood/coal burners.



In summary, the populations exposed in Northland to high levels of PM₁₀ from road dust are relatively small and dispersed, but also highly vulnerable. It is not possible to determine the proportion of respiratory and other ill-health outcomes in Northland attributable to road dust exposure, given the lack of exposure monitoring and small populations affected, but based on the available international evidence and expert advice, we consider that the impact of prolonged levels of high PM₁₀ exposure from road dust is a significant public health risk for these exposed communities. We also consider that there are important road safety hazards created both by the high volume of trucks and visibility issues from dust, especially for school children on school bus routes and local residents that need to be addressed.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Nick Chamberlain'.

Dr Nick Chamberlain
Chief Executive

¹ Loomis D., Grosse Y., Lauby-Secretan B., et al on behalf of the IARC Monograph Working Group IARC Lyon France The carcinogenicity of outdoor air pollution The Lancet Oncology 14:3 pg 1262 - 1263, December 2013 Published Online: 24 October 2013 doi:10.1016/S1470-2045(13)70487-X

² Langrish J., Mills N. Air Pollution and Mortality in Europe Lancet 2014 383:758-60. Published online 9/12/2013 [http://dx.doi.org/10.1016/S0140-6736\(13\)62570-2](http://dx.doi.org/10.1016/S0140-6736(13)62570-2)

³ WHO EURO Regional Office: Health Impacts of Particulate Matter WHO 2013. Available at: http://www.euro.who.int/_data/assets/pdf_file/0006/189051/Health-effects-of-particulate-matter-final-Eng.pdf

⁴ Kuschel G, Metcalfe J, Wilton E, Guria J, Hales S, Rolfe K, Woodward A. 2012. *Updated Health and Air Pollution in New Zealand Study. Summary Report*. Wellington: Health Research Council.

⁵ US EPA National Air Pollutant Emission Trends 100-1998 Office of Air Quality and Planning Standards US Environmental Protection Agency Table A-5) <http://www.epa.gov/ttnchie1/trends/trends98/trends98.pdf>

⁶ World Health Organisation 2005 Health Effects of transport-related air pollution: summary for policy makers WHO Copenhagen Denmark 2005.

⁷ Northland Regional Council Ambient PM₁₀ Monitoring adjacent to Four Unsealed Roads in Northland.NRC Whangarei May 2013

⁸ Northland DHB hospital discharges data, NDHB 201-2013.

⁹ Asthma and Respiratory Foundation of New Zealand The Burden of COPD in New Zealand. Asthma and Respiratory Foundation of New Zealand 2003.

Appendix 2 – Public Requests for Services



RFS No.	Received Date	Request Type Description	Note Description
4004244	29-Apr-2020 01-May-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>1. Name: - Sharni Erceg</p> <p>2. Address: - Oturu Road, Kaitaia (Coming from KTA between Oturu Marae and Church Road</p> <p>3. Contact Details: - 022 3722603 email: jellickm@gmail.com</p> <p>4. Fault Information: - Corrighations</p> <p>5. Fault location –(ie: nearest mailbox, rapid or culvert no): See above description</p> <p>6. Is it on a sealed or unsealed road? Unsealed</p> <p>7. How big is the pothole? n/a</p> <p>8. Is there a safety issue here? Yes</p> <p>9. Additional information: - Car is juddering off road</p>
4000546	13-Mar-2020 30-Mar-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>1. Name: - Miree Osborne</p> <p>2. Address: - Church Road, Kaitaia</p> <p>3. Contact Details: - 021866837</p> <p>4. Fault Information: - Customer advised this road is very wet atm and needs a good grade and its full of corrugations its so bad. please</p> <p>5. Fault location –(ie: nearest mailbox, rapid or culvert no): Only the top end not the Kaingaroa end its from the turn off from Oturu right through</p> <p>6. Is it on a sealed or unsealed road? Unsealed</p> <p>7. How big is the pothole? N/A</p> <p>8. Is there a safety issue here? Yes on one corner her partner nearly bounced off the road.</p> <p>9. Additional information: -</p>
3998865	04-Mar-2020 11-Mar-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Paula Cook 0221945035 paulagmcook@gmail.com 998 Church Road, Kaitaia</p> <p>Our road is in a shocking state again, and is in need of grading. Last time I contacted you, it got done in a matter of days, thankyou so much for that. I hope that it can be done as soon as possible again, as my little car is nearly bouncing off the road on the corrugations . (just from Oturu turnoff to No 750). Also is there a likelihood of sealing the Oturu 1km stretch, as this is</p>



RFS No.	Received Date	Request Type Description	Note Description
			usually the very worst part, even though it has been graded just last week. The roading people were right there resealing the sealed bit a couple of weeks ago
	04-Mar-2020 11-Mar-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>1. Name: - Paula Cook</p> <p>2. Address: - 998 Church Road, Kaitaia</p> <p>3. Contact Details: - 0221945035</p> <p>4. Fault Information: - Our road is in a shocking state again, and is in need of grading. Last time I contacted you, it got done in a matter of days, thank you so much for that. I hope that it can be done as soon as possible again, as my little car is nearly bouncing off the road on the corrugations . (just from Oturu turnoff to No 750). Also is there a likelihood of sealing the Oturu 1km stretch, as this is usually the very worst part, even though it has been graded just last week. The roading people were right there resealing the sealed bit a couple of weeks ago.</p> <p>5. Fault location –(ie: nearest mailbox, rapid or culvert no): Church Road, Kaitaia</p> <p>6. Is it on a sealed or unsealed road? Unsealed</p> <p>7. How big is the pothole?</p> <p>8. Is there a safety issue here? NO</p> <p>9. Additional information: -</p>
3997708	26-Feb-2020 26-Feb-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Kia ora;</p> <p>A submission has been received via the Contact Us form on the FNDC web site. Details as follows:</p> <p>Location of issue Dykin Road</p> <p>Describe the issue or your request Hello, Some weeks ago, I went in to the office to see someone re dust on our road and I was asked to provide my details and an RFS would be created. I understood that the council were to talk to the Gravel Lock people and get back to me but I have heard nothing. What I really need is a quote for dust suppression along our Church Road boundary. Will you please look into this issue and get back to me. Many thanks. Regards, Noel</p> <p>Describe the issue or your request (redundant)</p> <p>Attach a file or photo (1) No file attached</p> <p>Attach a file or photo (2) No file attached</p> <p>Issue type General enquiry</p> <p>Road maintenance</p> <p>Your name Noel Bernstein</p> <p>Your email noel.bernstein@gmail.com</p> <p>Physical address 5 Dykin Road, RD2, Kaitaia 0482</p> <p>Your preferred contact number 0212125720</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Secondary contact number</p> <p>How would you like us to respond? By email</p> <p>RFS reference number, if you have one</p> <p>Received: 26 Feb 2020 09:47 AM</p>
3997708	26-Feb-2020 26-Feb-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Email sent to customer</p> <p>Good afternoon Mr. Noel Bernstein,</p> <p>Thank you for contacting the Far North District Council regarding problems you are experiencing with road dust particularly at Church Road at Dykin Road, Kaingaroa. We can only repeat what we wrote to you on your RFS 3997708 Priority 3: Road Repairs - Potholes, Edge Breaks, Corrugations.</p> <p>The Council shares your concerns about road dust, particularly the negative impacts that prolonged exposure can have on health and the impact it has on water supply. Road dust is a significant issue throughout Northland, but particularly on roads frequently used by heavy vehicles. Due to the limited available budget, FNDC will proceed to provide dust suppression treatment to house sites where:</p> <ul style="list-style-type: none"> • houses are within 25m from the road, • the average speed environment of LDV (light duty vehicle — vehicle with a gross vehicle mass of less than 3,500kg) is greater than 60km/hr • the traffic volume is greater than 130 vehicles / 24hr and • the Heavy Commercial Vehicle (HCV) component is at least 20 HCV/24hr. <p>Houses that fulfil all four above criteria will receive dust suppression as being the houses that are evidently hardest hit.</p> <p>Based on these parameters not having been met, Church Road at Dykin Road, Kaingaroa has unfortunately not been included in FNDC 2019/20 dust suppression programme.</p> <p>Please accept that the FNDC is not uncaring to your situation and the vastly increased dust management campaign being rolled out this year is testament to that. FNDC's primary obligation in the roads space is however to provide a minimum level of service to facilitate vehicular (and pedestrian) traffic to move throughout the district. Dust is a "serious side effect" of traffic that FNDC tries to manage with the money that has been attributed to this. The most cited issue residents have that complain about dust are the effects on their health. As such, other government institutions that have public health as their primary obligation are being incited to help with combating health impacting traffic generated road dust.</p> <p>Given that your property has not met the threshold that would trigger FNDC's dust mitigation campaign, FNDC will extend to you an informal arrangement to work collaboratively with any party (mainly forestry companies) who wish to apply dust suppression on FNDC roads. This means that the collaborating organisation provides the suppressant and FNDC will take care of the application and then halt on grading during the working life of the dust control product. This is not policy. It's an arrangement that works in most circumstances for the best outcome for residents, FNDC and commercial</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>interests whilst respecting the various legalities and funding rules. You would therefore have the opportunity to pay Gravel Lock for the Magnesium Chloride. The recommended application rate is 2ltr/m² and to be effective when taking dust drift into consideration, a 200m strip at 6m wide would be recommended. The cost of the product would be in the region of \$2,400.00 that you would pay Gravel Lock. Once you have reached agreement and made payment, Gravel Lock will contact FNDC, programme the work (application) and FNDC will pay for the application portion of the overall cost.</p> <p>Contact details: Grant Lewis g.lewis@xtra.co.nz Phone 021677604 Gravel Lock NZ Ltd P.O Pox 23 Waipu Northland New Zealand 0454</p> <p>Yours sincerely, Franz wagner</p>
3994448	07-Feb-2020 06-Mar-2020	Roading Works - NOT TO BE USED BY CSO	<p>Noel Bernstein – 5 Dykin Rd, RD2 Kaitaia (Corner of Dykin Road and Church Road) Phone: 021 2125720 e-mail : noel.stein@gmail.com</p> <p>Needs dust suppression along Church Road boundary, approximately 150 metres x 6 metres. This section of road was due for sealing, but not soon enough. Need something lie Gravellock</p>
3993440	03-Feb-2020 03-Feb-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Email sent to customer</p> <p>Good afternoon Mrs. Jane Gray,</p> <p>Re.: Snelgar Road,. Also the dust nuisance is chronic, even for houses set back off the road with the wind factor. Please put through a request to consider tarsealing Snelgar Road, Clough Road and Church Road via Oturu School or at least apply a dust repellent product to the surface.</p> <p>Thank you for contacting the Far North District Council regarding problems you are experiencing with road dust particularly at 144 Snelgar Road, Kaitaia.</p> <p>The Council shares your concerns about road dust, particularly the negative impacts that prolonged exposure can have on health and the impact it has on water supply. Road dust is a significant issue throughout Northland, but particularly on roads frequently used by heavy vehicles. Due to the limited available budget, FNDC will proceed to provide dust suppression treatment to house sites where:</p> <ul style="list-style-type: none"> • houses are within 25m from the road, • the average speed environment of LDV (light duty vehicle — vehicle with a gross vehicle mass of less than 3,500kg) is greater than 60km/hr • the traffic volume is greater than 130 vehicles / 24hr and



RFS No.	Received Date	Request Type Description	Note Description
			<p>• the Heavy Commercial Vehicle (HCV) component is at least 20 HCV/24hr. Houses that fulfil all four above criteria will receive dust suppression as being the houses that are evidently hardest hit.</p> <p>Based on these parameters not having been met, 144 Snelgar Road, Kaitaia has unfortunately not been included in FNDC 2019/20 dust suppression programme.</p> <p>Please accept that the FNDC is not uncaring to your situation and the vastly increased dust management campaign being rolled out this year is testament to that. FNDC's primary obligation in the roads space is however to provide a minimum level of service to facilitate vehicular (and pedestrian) traffic to move throughout the district. Dust is a "serious side effect" of traffic that FNDC tries to manage with the money that has been attributed to this. The most cited trouble residents complaining about dust is the effects on their health. As such, other government institutions that have public health as their primary obligation are being incited to help with combating health impacting traffic generated road dust.</p> <p>Given that your property has not met the threshold that would trigger FNDC's dust mitigation campaign, FNDC will extend to you an informal arrangement to work collaboratively with any party (mainly forestry companies) who wish to apply dust suppression on FNDC roads. This means that the collaborating organisation provides the suppressant and FNDC will take care of the application and then halt on grading during the working life of the dust control product. This is not policy. It's an arrangement that works in most circumstances for the best outcome for residents, FNDC and commercial interests whilst respecting the various legalities and funding rules. You would therefore have the opportunity to pay Gravel Lock for the Magnesium Chloride. The recommended application rate is 2ltr/m² and to be effective when taking dust drift into consideration, a 200m strip at 6m wide would be recommended. The cost of the product would be in the region of \$2,400.00 that you would pay Gravel Lock. Once you have reached agreement and made payment, Gravel Lock will contact FNDC, programme the work (application) and FNDC will pay for the application portion of the overall cost.</p> <p>Contact details: Grant Lewis g.lewis@xtra.co.nz Phone 021677604 Gravel Lock NZ Ltd P.O Pox 23 Waipu Northland New Zealand 0454</p> <p>Yours sincerely,</p> <p>Franz Wagner Capital Works Project Manager</p>



RFS No.	Received Date	Request Type Description	Note Description
3992260	28-Jan-2020 31-Jan-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	Carol oudshoolrn - 027 9290 433 Church Road, Kaingaroa
	28-Jan-2020 31-Jan-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	1. Name: - Carol Oudshoolrn 2. Address: - Church Road, Kaingaroa - The state highway 10 side. 3. Contact Details: - 027 9290 433 4. Fault Information: - Potholes and corrugation 5. Fault location –(ie: nearest mailbox, rapid or culvert no): The whole of Church Road 6. Is it on a sealed or unsealed road? Unsealed 7. How big is the pothole? everywhere 8. Is there a safety issue here? Yes 9. Additional information: -
	28-Jan-2020 31-Jan-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	Grader is on Church Road today 31/1/20
3990579	15-Jan-2020 26-Feb-2020	CEO Correspondence	Matt King MP's office would like a copy of the latest figures that support the sealing of Church Road. In particular they would like to see where figures have been updated as a result of recent field validation and traffic count checks. Can you also provide information around what sort of checks were made on this road? Ref also 3987893.
	15-Jan-2020 26-Feb-2020	CEO Correspondence	<p>From: CE Office <ceoffice@fndc.govt.nz> Sent: Tuesday, January 14, 2020 1:22 PM To: Vicky.Hart@parliament.govt.nz Cc: CE Office <ceoffice@fndc.govt.nz> Subject: Church Road</p> <p>Hi Vicky,</p> <p>Staff have been working to provide updated daily traffic counts (completed in Nov 2019) and field validation checks (carried out late Dec 2019), and while discrepancies have been identified compared with the initial data, there is still sufficient justification to continue with business case development for the sealing of Church Road.</p> <p>We'll be submitting the finalised business case to NZTA later this month and the final decision to proceed will be dependent on NZTA approving co-funding for the project (expected by Mar 2020).</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Hope this helps.</p> <p>Best wishes, Kerry Thomas Executive Liaison</p>
	15-Jan-2020 26-Feb-2020	CEO Correspondence	<p>From: Aram Goes <Aram.Goes@fndc.govt.nz> Sent: Tuesday, January 14, 2020 1:44 PM To: Elbie Serfontein <Elbie.Serfontein@fndc.govt.nz> Subject: FW: Church Road</p> <p>Hi Elbie – please note the final update to MP King’s office for attaching to the RFS as its close out.</p> <p>Thanks</p> <p>Aram Goes Maintenance & Operations Manager Northland Transportation Alliance Level 1, Walton Plaza, 4 Albert Street Private Bag 9023, Whangarei 0148 DDI 09 401 5410 M 027 218 0864 E aram.goes@fndc.govt.nz</p>
3988928	06-Jan-2020 07-Jan-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Ask Us Team Sent: Monday, 6 January 2020 3:06 p.m. To: rogerskaitaia@gmail.com Subject: RFS-3988928 RE: Request for service (RFS) Submitted</p> <p>Kia ora Judi,</p> <p>Thank you for contacting Far North District Council.</p> <p>Your request regarding Rooding maintenance has been referred to our Rooding Department to action and respond.</p> <p>Your reference number is RFS-3988928, you can use this in any future correspondence concerning this request.</p> <p>You can expect to hear back from us by 15 January 2020 with an update or outcome.</p> <p>Nga mihi,</p> <p>Aneta</p> <p>Ask Us Team District Services Far North District Council 09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>-----Original Message-----</p> <p>From: noreply@opencities.com [mailto:noreply@opencities.com]</p> <p>Sent: Monday, 30 December 2019 9:04:07 a.m.</p> <p>To: Ask Us Team</p> <p>Subject: Request for service (RFS) Submitted</p> <p>Kia ora;</p> <p>A submission has been received via the Contact Us form on the FNDC web site. Details as follows:</p> <p>Location of issue State highway 10 end of Church Road, Kaitaia</p> <p>Describe the issue or your request Please can this road have new metal and graded it has very bad rutting and in some places no gravel, its down to pan and in other places imbedded large rocks sticking up which is a hazard to puncher tyres.</p> <p>Describe the issue or your request</p> <p>Attach a file or photo No file attached</p> <p>Attach a file or photo No file attached</p> <p>Issue type Road maintenance</p> <p>Your name Judi Rogers</p> <p>Your email rogerskaitaia@gmail.com</p> <p>Physical address 6 Dykin Road, Kaitaia</p> <p>Your preferred contact number 021 224 1743</p> <p>Secondary contact number 021 2155 344</p> <p>How would you like us to respond? By email</p> <p>RFS reference number, if you have one</p> <p>Received: 30 Dec 2019 09:04 AM</p>
3988928	06-Jan-2020 07-Jan-2020	Road Repairs - Potholes, Edge Breaks, Corrugations	<ol style="list-style-type: none"> 1. Name: - Judi Rogers 2. Address: - State highway 10 end of Church Road, Kaitaia 3. Contact Details: - 021 224 1743 or 021 2155 344 4. Fault Information: - Please can this road have new metal and graded it has very bad rutting and in some places no gravel, its down to pan and in other places imbedded large rocks sticking up which is a hazard to puncher tyres. 5. Fault location –(ie: nearest mailbox, rapid or culvert no): State highway 10 end of Church Road, Kaitaia 6. Is it on a sealed or unsealed road? Unsealed 7. How big is the pothole? Unsure 8. Is there a safety issue here? No 9. Additional information: -
3988417	23-Dec-2019 24-Jan-	Roading Correspondence	<p>Bree Smith – 0220317279</p> <p>Email: kiwibree@gmail.com</p> <p>Church Road, Kaitaia</p>



RFS No.	Received Date	Request Type Description	Note Description
	2020		Customer wanting information about dust suppression?
	23-Dec-2019 24-Jan-2020	Roading Correspondence	<p>Following email sent to Customer</p> <p>Good afternoon Mrs. Bree Smith,</p> <p>Thank you for contacting the Far North District Council regarding problems you are experiencing with road dust particularly at Church Road, Kaitaia.</p> <p>The Council shares your concerns about road dust, particularly the negative impacts that prolonged exposure can have on health and the impact it has on water supply. Road dust is a significant issue throughout Northland, but particularly on roads frequently used by heavy vehicles. Due to the limited available budget, FNDC will proceed to provide dust suppression treatment to house sites where:</p> <ul style="list-style-type: none"> • houses are within 25m from the road, • the average speed environment of LDV (light duty vehicle — vehicle with a gross vehicle mass of less than 3,500kg) is greater than 60km/hr • the traffic volume is greater than 130 vehicles / 24hr and • the Heavy Commercial Vehicle (HCV) component is at least 20 HCV/24hr. <p>Houses that fulfil all four above criteria will receive dust suppression as being the houses that are evidently hardest hit.</p> <p>Based on these parameters not having been met, Church Road, Kaitaia has unfortunately not been included in FNDC 2019/20 dust suppression programme.</p> <p>Please accept that the FNDC is not uncaring to your situation and the vastly increased dust management campaign being rolled out this year is testament to that. FNDC's primary obligation in the roads space is however to provide a minimum level of service to facilitate vehicular (and pedestrian) traffic to move throughout the district. Dust is a "serious side effect" of traffic that FNDC tries to manage with the money that has been attributed to this. The most cited trouble residents complaining about dust is the effects on their health. As such, other government institutions that have public health as their primary obligation are being incited to help with combating health impacting traffic generated road dust.</p> <p>Given that your property has not met the threshold that would trigger FNDC's dust mitigation campaign, FNDC will extend to you an informal arrangement to work collaboratively with any party (mainly forestry companies) who wish to apply dust suppression on FNDC roads. This means that the collaborating organisation provides the suppressant and FNDC will take care of the application and then halt on grading during the working life of the dust control product. This is not policy. It's an arrangement that works in most circumstances for the best outcome for residents, FNDC and commercial interests whilst respecting the various legalities and funding rules. You would therefore have the opportunity to pay Gravel Lock for the Magnesium Chloride. The recommended application rate is 2ltr/m2 and to be effective when taking dust drift into consideration, a 200m strip at 6m wide would be</p>



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			<p>recommended. The cost of the product would be in the region of \$2,400.00 that you would pay Gravel Lock. Once you have reached agreement and made payment, Gravel Lock will contact FNDC, programme the work (application) and FNDC will pay for the application portion of the overall cost.</p> <p>Contact details: Grant Lewis g.lewis@xtra.co.nz Phone 021677604 Gravel Lock NZ Ltd P.O Pox 23 Waipu Northland New Zealand 0454</p> <p>Yours sincerely, Franz Wagner</p>
3987893	18-Dec-2019 18-Mar-2020	CEO Correspondence	<p>From: Calvin Thomas [mailto:calvin.thomas@wdc.govt.nz] Sent: Tuesday, 17 December 2019 3:18 p.m. To: CE Office Cc: Andy Finch; Elbie Serfontein; Aram Goes Subject: FW: Church Road</p> <p>Good afternoon</p> <p>Are you please able to formally log the request below from the office of Hon. Matt King as an RFS and advise of reference number.</p> <p>I will arrange for response to be compiled.</p> <p>Regards Calvin</p> <p>From: Vicky Hart <Vicky.Hart@parliament.govt.nz> Sent: Tuesday, 17 December 2019 2:24 PM To: Calvin Thomas <calvin.thomas@wdc.govt.nz> Subject: Church Road</p> <p>EXTERNAL: This email originated from outside Whangarei District Council. Do not click links or open attachments unless you recognise the sender and know the content is safe. Good afternoon Calvin,</p> <p>We have had a few concerned constituents contact our office in regards to the potential seal extension of Church Road.</p> <p>One constituent mentioned the following which I've included as an example of the types of queries people are asking us:</p> <p>"So as far as you are aware the FNDC have applied to NZTA for funding to</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>seal Church Road based on the traffic count of 1985 vehicle movements per day at RP (Route Position)15017 and 200 vehicle movements at RP13317 as stated in the matrix provided by the FNDC? As discussed with only 12 houses on this section of road to have a traffic count of nearly 150 vehicles movements per house per day would seem highly unlikely to be correct and certainly inconsistent with other recorded values.</p> <p>I am concerned that inaccurate data has corrupted the council's decision making process and was hoping Matt could get an explanation"</p> <p>If you would like to call our office to discuss this or respond via email that would be greatly appreciated,</p> <p>Kind regards, Vicky</p> <p>Vicky Hart MP Support Office of Matt King Member of Parliament for Northland</p> <p>Ph: 09 407 7219 93 Kerikeri Road, Kerikeri PO Box 298 Kerikeri 0230</p>
	18-Dec-2019 18-Mar-2020	CEO Correspondence	<p>Calvin ack'd MP's office on 18/12.</p> <p>From: Calvin Thomas <calvin.thomas@wdc.govt.nz> Sent: Wednesday, 18 December 2019 8:11 AM To: Vicky Hart <Vicky.Hart@parliament.govt.nz> Cc: Greg Monteith <Greg.Monteith@wdc.govt.nz>; Aram Goes <Aram.Goes@fndc.govt.nz> Subject: RE: Church Road</p> <p>Good morning Vicky</p> <p>Thank you for sending this through. To ensure the request is tracked and managed accordingly I have requested for this enquiry to be raised as a "request for service" (RFS) within FNDC's system.</p> <p>In the process of completing further validation checks of the data within the prioritisation matrix there have been discrepancies identified for certain sites, the implications of which are presently being worked through. I have set up an internal meeting for this coming Friday morning to discuss the specific issue of Church Road that has been raised below and will provide a response & update following that.</p> <p>Regards Calvin</p>



RFS No.	Received Date	Request Type Description	Note Description
	18-Dec-2019 18-Mar-2020	CEO Correspondence	<p>Responded to MP's office. Closing RFS.</p> <p>From: CE Office <ceoffice@fndc.govt.nz> Sent: Tuesday, 14 January 2020 1:22 PM To: Vicky.Hart@parliament.govt.nz Cc: CE Office <ceoffice@fndc.govt.nz> Subject: Church Road</p> <p>Hi Vicky,</p> <p>Staff have been working to provide updated daily traffic counts (completed in Nov 2019) and field validation checks (carried out late Dec 2019), and while discrepancies have been identified compared with the initial data, there is still sufficient justification to continue with business case development for the sealing of Church Road.</p> <p>We'll be submitting the finalised business case to NZTA later this month and the final decision to proceed will be dependent on NZTA approving co-funding for the project (expected by Mar 2020).</p> <p>Hope this helps.</p> <p>Best wishes,</p> <p>Kerry Thomas Executive Liaison Chief Executive Office, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015333 m 0272221886 Kerry.Thomas@fndc.govt.nz</p>
3987470	16-Dec-2019 16-Dec-2019	Infrastructure & Asset Mgmt - Message Track	<p>please call Christine – 027 3431304 Please advise if Church road is going to be sealed before Xmas as customer needs confirmation as soon as possible</p>
	16-Dec-2019 16-Dec-2019	Infrastructure & Asset Mgmt - Message Track	<p>From: Garreth Oien Sent: Monday, 16 December 2019 10:43 AM To: Bukola Obamila Subject: RE: Allocated: RFS 3987470 Priority 3: Infrastructure & Asset Mgmt - Message Track.</p> <p>Have left a message with Christine and informed her that Church Road will not be sealed by Xmas nor has a decision been made if it is even going to be sealed.</p> <p>Please close the RFS Garreth Oien Network Supervisor</p>



RFS No.	Received Date	Request Type Description	Note Description
3986186	06-Dec-2019 11-Dec-2019	Roading Works - NOT TO BE USED BY CSO	<p>From: Christine Cater Goldsmith <foxychris.x@gmail.com> Sent: Wednesday, 11 December 2019 12:30 PM To: Roding Alliance <rodingalliance@fndc.govt.nz> Subject: Re: RFS 3986186 - Dust Suppressant</p> <p>Hi Franz,</p> <p>We are very happy to report that the dust suppressant was put down outside our cottage, woolshed and Eric Williams place across the road from us, on Monday. The nice chap putting it on said "this is the worst road I have done!"</p> <p>He kindly put some more on when I said it was clay.</p> <p>Question...</p> <p>How long does it last please?</p> <p>We have noticed areas that were sprayed now looking "normal" and dust appearing. Is this normal?</p> <p>May I suggest that on the FNDC Facebook page a notification about the dust suppressant and how it works, lasts, etc could be made public to all happy folk who have had it put on their roads.</p> <p>Does it get topped up in 3 months time?</p> <p>Any news on Church Road please?</p> <p>We have noticed a large jump in vehicle traffic as more people move into this area. We had 12 logging trucks one day from 6am to 10am...and stock trucks too!</p> <p>Would you look at putting Parapara Road as one on the Roding Matrix, like Kumi Road was done?</p> <p>Thank you so much for emailing me ..I appreciate your help to make Parapara a safe road.</p> <p>Christine</p>
3981434	06-Nov-2019 07-Nov-2019	Roading Works - NOT TO BE USED BY CSO	<p>Sharni Erceg M: 022 372 2603 E: shmani@slingshot.co.nz</p> <p>Requesting the latest Road matrix for Church Road, Kaitaia</p>



RFS No.	Received Date	Request Type Description	Note Description
	06-Nov-2019 07-Nov-2019	Roading Works - NOT TO BE USED BY CSO	<p>Good afternoon Mrs Sharni Louise Erceg, Thank you for contacting the Far North District Council regarding problems you are experiencing with road dust particularly at CHURCH ROAD (No Rapid number provided).</p> <p>The Council shares your concerns about road dust, particularly the negative impacts that prolonged exposure can have on health and the impact it has on water supply. Road dust is a significant issue throughout Northland, but particularly on roads frequently used by heavy vehicles. Given the obvious funding restrictions, FNDC has developed an evidence based prioritisation matrix as of July 2019.</p> <p>Re.: Requesting the latest Road matrix for CHURCH ROAD. FNDC is utilising an evidence based selection process to deal to areas of most need. The rankings on CHURCH ROAD have not changed in 2019. The priorities get reassessed on an annual basis after the latest seal extensions, traffic counts, forestry activity notifications, new and completed housing developments have been updated. Also, councillors may agree to include new categories or amend data to account for seasonal tourism traffic increases, or to average the traffic count on a no-exit roads. All this will cause the overall priority rankings to shift from year to year.</p> <p>Yours sincerely, Franz Wagner</p>
3976149	02-Oct-2019 02-Oct-2019	Roading Correspondence	<p>Christine Goldsmith E: foxychris.x@gmail.com</p> <p>Requested Matrix for 0 Church Road, Kaitaia (township end of Church Road).</p>
3975261	26-Sep-2019 03-Oct-2019	Roading Correspondence	<p>Christine Goldsmith E: foxychris.x@gmail.com</p> <p>Requested Matrix for 0 Church Road, Kaitaia. Has been advised Matrix for Church Road, Kaitaia was based on Kaitaia town end which is incorrect.</p> <p>Also asked if you would be able to meet them on 09-Oct-2019 at 9am? Customer is trying to meet MP Matt King in regards to sealing of Roads.</p>
3974519	23-Sep-2019 18-Mar-2020	Roading Correspondence	<p>-----Original Message----- From: Jean McIver [mailto:jean@orcon.net.nz] Sent: Saturday, 21 September 2019 12:05:28 p.m. To: Ask Us Team Subject: Roothing matrix Church Road</p> <p>Hello,</p> <p>Could I please have a copy of the current roading matrix and the one that existed prior to this one, for Church Road.</p> <p>Thanks</p> <p>Jean</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Jean McIver jean@orcon.net.nz 09 406 1150</p> <p>406 Parapara Toatoa Road RD 3 Kaitaia 0483</p>
	23-Sep-2019 18-Mar-2020	Road Correspondence	<p>From: CE Office <ceoffice@fndc.govt.nz> Sent: Tuesday, January 14, 2020 1:22 PM To: Vicky.Hart@parliament.govt.nz Cc: CE Office <ceoffice@fndc.govt.nz> Subject: Church Road</p> <p>Hi Vicky,</p> <p>Staff have been working to provide updated daily traffic counts (completed in Nov 2019) and field validation checks (carried out late Dec 2019), and while discrepancies have been identified compared with the initial data, there is still sufficient justification to continue with business case development for the sealing of Church Road.</p> <p>We'll be submitting the finalised business case to NZTA later this month and the final decision to proceed will be dependent on NZTA approving co-funding for the project (expected by Mar 2020).</p> <p>Hope this helps.</p> <p>Best wishes,</p> <p>Kerry Thomas Executive Liaison</p>
	23-Sep-2019 18-Mar-2020	Road Correspondence	<p>From: Aram Goes <Aram.Goes@fndc.govt.nz> Sent: Tuesday, January 14, 2020 1:44 PM To: Elbie Serfontein <Elbie.Serfontein@fndc.govt.nz> Subject: FW: Church Road</p> <p>Hi Elbie – please note the final update to MP King's office for attaching to the RFS as its close out.</p> <p>Thanks</p> <p>Aram Goes Maintenance & Operations Manager Northland Transportation Alliance Level 1, Walton Plaza, 4 Albert Street Private Bag 9023, Whangarei 0148 DDI 09 401 5410 M 027 218 0864 E aram.goes@fndc.govt.nz</p>
3974318	20-Sep-	Road	Chris – 027 3431 304



RFS No.	Received Date	Request Type Description	Note Description
	2019 25-Nov- 2019	Correspondence	Kumi and Church Road Can you please contact Chris as she is requesting the Kumi & Church roading matrix before the new one was done. Thank you
3973391	16-Sep- 2019 17-Sep- 2019	Road Repairs - Potholes, Edge Breaks, Corrugations	1. Name: - Christine Goldsmith 2. Address: - Church Road Kaitaia 3. Contact Details: - 0273431304, foxychris.x@gmail.com 4. Fault Information: - major potholes at the bottom of the road 5. Fault location –(ie: nearest mailbox, rapid or culvert no): 6. Is it on a sealed or unsealed road?Unsealed 7. How big is the pothole?Varying sizes 8. Is there a safety issue here?Yes 9. Additional information: -
3971401	03-Sep- 2019 12-Sep- 2019	Road Repairs - Potholes, Edge Breaks, Corrugations	1. Name: - Robert Smith 2. Address: - 705 Church Road Kaitaia 3. Contact Details: - 09 9551148, 02108913436, robnco@xnet.co.nz 4. Fault Information: - Between rapid number and Donald Road Kaitaia there have been 6 flat tyres in the last 6 weeks and there is going to be a rally there in mid September so is wanting to know if a roading engineer is able to inspect the roads 5. Fault location –(ie: nearest mailbox, rapid or culvert no): 705 right through to Donald Road Kaitaia 6. Is it on a sealed or unsealed road?Unsealed 7. How big is the pothole? N/A could be due to wrong gradient of metal used on the road 8. Is there a safety issue here? 9. Additional information: -



RFS No.	Received Date	Request Type Description	Note Description
3959667	25-Jun-2019 26-Jun-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Kia Ora Anna</p> <p>Thank you for contacting the Far North District Council.</p> <p>Your request has been referred to our Roothing Department to investigate and respond.</p> <p>Your reference number is RFS-3959667. Please use this in any future correspondence concerning this request. You can expect to hear back from us by 04/07/19 with an update or outcome.</p> <p>We thank you for taking the time to contact us. Please do not hesitate to visit our website for more information www.fndc.govt.nz, call our friendly customer service staff on 0800 920 029 or 09 4015 200 or email ask.us@fndc.govt.nz.</p> <p>Kind regards</p> <p>Gloria</p> <p>Ask Us Team District Services Far North District Council 09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz</p> <p>-----Original Message----- From: donotreply@fndc.govt.nz [mailto:donotreply@fndc.govt.nz] Sent: Tuesday, 25 June 2019 10:02:08 a.m. To: Ask Us Team Subject: Website RFS - issue type: Anna - from Anna Toia</p> <p>A Request For Service (RFS) has been received from . The following request has been submitted: Request details Location of issue*: Oturu Road & Church Road Issue type*: Road maintenance How can we help?*: Kia ora I'd like to put in a request for our roads to be graded. They were regularly done in the past but haven't been done recently. These roads are now very corrugated and full of pot holes of various sizes. This has taken a toll on our vehicles, and as it's on long stretches and both sides of the "road", is difficult and dangerous to avoid. Can you please advise when we can expect this to be fixed? Thank you</p>
3958912	21-Jun-2019 21-Jun-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Andre McDonald Mob:021 1606314 of 675 Church Road called to advise on Oturu Road, Kaitaia the stretch from Oturu Marae heading up to the intersection at the top of Church Road intersection has numerous potholes and corrugations. Please rectify. Andrew 021 1606314</p>



RFS No.	Received Date	Request Type Description	Note Description
	21-Jun-2019 21-Jun-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>1. Name: - Andre McDonald</p> <p>2. Address: - 675 Church Road, Kaitaia</p> <p>3. Contact Details: - 021 160</p> <p>4. Fault Information: - Potholes and corrugations between Oturu Marae along Oturu Road up to the Church Road junction.</p> <p>5. Fault location –(ie: nearest mailbox, rapid or culvert no): Oturu Marae</p> <p>6. Is it on a sealed or unsealed road? Unsealed</p> <p>7. How big is the pothole?</p> <p>8. Is there a safety issue here? No</p> <p>9. Additional information: -</p>
3958165	17-Jun-2019 18-Jun-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Marion Baker - 09 4080629</p> <p>Address - 511 CHURCH ROAD, Kaitaia</p> <p>Marion has advised that from Oturu School, to church road, the road is becoming terribly filled with potholes and corrugation. and is needing to be graded as soon as.</p>
3956962	11-Jun-2019 24-Jun-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Ask Us Team</p> <p>Sent: Tuesday, 11 June 2019 1:32 PM</p> <p>To: office@commutertours.co.nz</p> <p>Subject: RE: Website RFS - issue type: Nicole - from Nicole Herbert</p> <p>Kia ora nicole</p> <p>Thank you for contacting the Far North District Council.</p> <p>Your request has been referred to our Roading Department to action and respond.</p> <p>Your reference number is RFS-3956962. Please use this in any future correspondence concerning this request.</p> <p>We thank you for taking the time to contact us. Please do not hesitate to visit our website for more information www.fndc.govt.nz, call our friendly customer service staff on 0800 920 029 or 09 4015 200 or email ask.us@fndc.govt.nz.</p> <p>Naku noa,</p> <p>Phillippa</p>



RFS No.	Received Date	Request Type Description	Note Description
3951433	10-May-2019 04-Jun-2019	Roads - Signs	<p>1. Name: - Brenda Thomson</p> <p>2. Address: - Church Road Kaingaroa</p> <p>3. Contact Details: - 094067695</p> <p>4. Fault Information: - Would like some school and speed signs for the area as there are none</p> <p>5. Fault location –(ie: nearest mailbox, rapid or culvert no): -</p> <p>6. Is there a safety issue here? Yes</p> <p>7. What sort of sign ist it? (colour) N/A</p> <p>8. Does the Sign need replacing or just re-erecting? N/A</p> <p>9. Does the Post need replacing or just re-erecting? N/A</p>
3945499	04-Apr-2019 09-Apr-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Grant: 022 684 0230</p> <p>Address: Dykin Road, Church road, Kaingaroa</p> <p>Road has been graded, and the top metal has been taken off. It is now mud. Yesterday a stock truck had nearly crashed from slidding all over the road. He has advised that the road is needing more metal. He lives right at the end of the road so he ses how muddy it is on the entire drive to his house. Please assist.</p>
3940192	07-Mar-2019 26-Sep-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Ask Us Team</p> <p>Sent: Thursday, 7 March 2019 3:42 p.m.</p> <p>To: 'mgmebaker@xtra.co.nz'</p> <p>Subject: REF RFS 3940192: Website RFS - issue type: Michael - from Michael Baker</p> <p>Tena koe Michael</p> <p>Thank you contacting the Far North District Council.</p> <p>Your correspondence has been referred to our Roothing Department to investigate and respond.</p> <p>You reference number is RFS-3940192. Please use this number in any future correspondence relating to this matter.</p> <p>If you have any further queries please feel free to contact us again.</p> <p>Nga mihi</p> <p>Jane</p> <p>Ask Us Team District Services</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Far North District Council 09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz</p> <ul style="list-style-type: none"> • Location of issue*: Church Road, Kaitaia • Issue type*: Road maintenance • How can we help?*: There are several dead pines on private land at the beginning of Church Road, (Kaitaia end). These pose a safety hazard to road traffic. Also, the road needs grading and metalling, particularly near the property at RAPID number 511. Please explain what level of maintenance the road receives and whether the FNDC plans to increase this maintenance in recognition of the road's importance as a link between SH10 and Kaitaia.
3937394	22-Feb-2019 26-Feb-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH</p> <p>Pat Brott of 449 Church Road KAITAIA has come in today to say that from her place and back into town there are some clay patches on the road that need urgent attention especialy with this bad weather all the way along the unsealed road. Some are on corners making it difficult to drive on. Can these please be investigated and metal placed where needed</p>
3936768	19-Feb-2019 26-Feb-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Peter Bevin Phone: 094067579</p> <p>Requesting grading of the untold potholes and corrugations along Church Road Kaitaia, thanks.</p>
3931471	22-Jan-2019 23-Jan-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Shane Garton 0212283527 Complaint Church Road starting at the Donald Road Junction before State Highway 10 That needs grading, there are corrugations some of the corners nearly put you off the side of the road which is quite dangerous</p>
	22-Jan-2019 23-Jan-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	<ol style="list-style-type: none"> 1. Name: - Shane Garton 2. Address: - Church Road Kaitaia 3. Contact Details: - 0212283527 4. Fault Information: - Grading and Corrugation needed 5. Fault location –(ie: nearest mailbox, rapid or culvert no): Starting at Donald Road Junction 6. Is it on a sealed or unsealed road?Unsealed 7. How big is the pothole?N/a corrugation 8. Is there a safety issue here?Yes potentail accidents 9. Additional information: -



RFS No.	Received Date	Request Type Description	Note Description
3929831	11-Jan-2019 23-Jan-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	Cushla Bradshaw 705 Church Road, Kaitaia Phone: 094082077 (leave message on answerphone) Requesting from 705 Church Road Kaitaia to the junction heading into town requires grading and and light metal to be put in place, thanks.
3925618	06-Dec-2018 01-Mar-2019	Road Repairs - Potholes, Edge Breaks, Corrugations	Alfred Nee, 0272466371 - There is a slump in the road on the left hand side between 132 and 148 Church Road, Kaitaia. The area on the roadside drain side is undermining the road and slipping away. Alfred and his wife ride motor bikes and his wife only just avoided having an accident.
3923065	22-Nov-2018 06-Dec-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	Cushla Bradshaw - 09 4082077 (leave message on answerphone) 705 Church Road, Kaitaia In dire need of grading, customer has had 6 punctures this year due to the size of the gravel, can we PLEASE recheck this stretch road. Have had issues in the past when grader goes through leaves mounds in the middle of the road. Customer would like a call as well please to discuss state of road.
	22-Nov-2018 06-Dec-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	1. Name: - Cushla Bradshaw 2. Address: - 705 Church Road, Kaitaia 3. Contact Details: - 09-408-2077 (leave message on answerphone) 4. Fault Information: - Road is n dire need of grading, customer has had 6 punctures this year due to the size of the gravel, can we PLEASE recheck this stretch road. Have had issues in the past when grader goes through leaves mounds in the middle of the road. Customer would like a call as well please to discuss state of road. 5. Fault location –(ie: nearest mailbox, rapid or culvert no): full stretch of road 6. Is it on a sealed or unsealed road? unsealed 7. How big is the pothole? Grading & size of metal is the issue 8. Is there a safety issue here? No 9. Additional information: -
3923249	22-Nov-2018 04-Dec-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	Marie Osborne Phone: 021866837 Calling in complaint of the corrugations and potholes along the middle section of Church Road and along Oturu Roads Kaitaia which sees her vehicle rattling along these roads - please inspect and deal with accordingly, thanks. Marie advises the top and bottom ends of Church Road have been graded recently but not the middle section.
3923065	22-Nov-2018 06-Dec-	Road Repairs - Potholes, Edge Breaks,	maintenance metal has been program for this month on the worst sections of church road. Closing RFS



RFS No.	Received Date	Request Type Description	Note Description
	2018	Corrugations	
3920318	07-Nov-2018 06-Dec-2018	CEO Correspondence	<p>From: Andre McDonald [mailto:andre.mcd62@gmail.com] Sent: Monday, 22 October 2018 9:51 p.m. To: Hon John Carter QSO Subject: 675 Church Road - Road Maintenance</p> <p>Hi John</p> <p>Thank you for your prompt phone call last week regarding my issue with the maintenance of my road. Further to our phone call, please find photo's attached that I had emailed to council in June.</p> <p>Your records will show that I have made regular complaints to the Far North District Council about the maintenance of the stretch of Church Road that comes off Oturu Road of which my property is no 675. I have 2 issues;</p> <ol style="list-style-type: none"> 1. The planned schedule of road grading is inadequate as corrugation and potholes become prevalent and I have called to bring this to council attention which then results in work done. 2. The size of metal laid, in particular with the last grading was larger than normal and has accounted for several punctured tyres. See attached photos below, but a more accurate representation is to simply compare driving on Oturu Road and Quarry Road, and then drive up my road and you see the marked difference. <p>I look forward to our meeting on 29th and appreciate any way to resolve these inconsistencies.</p> <p>Regards Andre McDonald.</p>
	07-Nov-2018 06-Dec-2018	CEO Correspondence	<p>From: Garreth Oien Sent: Friday, 16 November 2018 8:54 a.m. To: Elbie Serfontein Subject: Re: 675 Church Road - Road Maintenance</p> <p>Ill drive up there today then call him</p> <p>Garreth Oien Roading Engineer</p>
	07-Nov-2018 06-Dec-2018	CEO Correspondence	<p>From: Garreth Oien Sent: Friday, 16 November 2018 12:56 PM To: Glenn Rainham; Elbie Serfontein Cc: CE Office Subject: RE: 675 Church Road - Road Maintenance RFS 3920318</p> <p>We haven't got a FWP for metal overlays/ maintenance metaling, the nature of the unsealed network is such that they are to susceptible to the weather, heavy vehicle and the underlying ground to assign a "design life"</p> <p>Doing the overlay now while it is dry will result in all of the fines in the GAP 30 being turned into dust and it unravelling and becoming corrugated. Best time to undertake this type of work is after summer March to May.</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Spreading metal during summer when it is dry and hot just cause's dust and the metal to be spread out to the side's, waste of money effectively.</p> <p>The GAP 65 that is on the surface now was pulled in from the side along with the existing running course in an attempt to restore the shape of the road. It may take a few days but the loose stones will migrate back to the outside.</p> <p>I can put the 80k aside for later in the FY but it wouldn't be until March at the earliest, that or we can wet and roll it but that turns it into a 90-95k job</p> <p>Garreth Oien Roding Engineer Infrastructure & Asset Management, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494089429 m 027 807-5586 Garreth.Oien@fndc.govt.nz Website Facebook LinkedIn Careers</p>
	07-Nov-2018 06-Dec-2018	CEO Correspondence	<p>From: Garreth Oien Sent: Wednesday, 21 November 2018 3:29 PM To: Hon John Carter QSO Cc: CE Office; Elbie Serfontein Subject: RE: 675 Church Road - Road Maintenance</p> <p>Rang and spoke to Andre and explained the situation, doing the overlay of the 1.5km during summer is counterproductive as it would result in corrugations, he understood this and took it on board.</p> <p>In the worst 3 40m sections we are going to place a couple of truckloads of running course, I will organise this now</p> <p>Garreth Oien Roding Engineer Infrastructure & Asset Management, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494089429 m 027 807-5586 Garreth.Oien@fndc.govt.nz Website Facebook LinkedIn Careers</p>
3913495	28-Sep-2018 12-Nov-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH</p> <p>Andre McDonald of 675 Church Road Kaitaia has come in to request that Church Road the metal part be graded from Oturu Road towards SH 10 please as it needs to be graded.</p>
3911919	19-Sep-2018 20-Sep-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Kushla Bradshaw from 705 Church road kaitaia -09-408-2077 has reported a huge pot hole on Donald road heading into town from Oturu road, just before you go over the bridge on donald road on the left hand side is a huge pothole needing to be fixed, also she advised that opposite the marae on 223 oturu road the road is breaking up , she advised this has just been fixed not long ago, she is asking for this road to be fixed properly and not a half pie job, the road is very dangerous she advises and wants this fixed.phone her on 09-4082077</p>



RFS No.	Received Date	Request Type Description	Note Description
3901829	26-Jul-2018 02-Aug-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	Cushla Bradshaw 705 Church Road, Kaitaia (work needs to be done at her end of the road) Metal was laid but was a pretty rough job, is in need of grading to flatten out the built up metal in the middle part of the road, cars are bottoming out along this part. She said it would be much appreciated if our contractors could look at doing a touch up along this road. Thanks
3898302	06-Jul-2018 20-Sep-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	Kahu Collier - 021 1917405 Address: 1541 Church Road, Kaingaroa Customer has called and advised that their road was graded on 03/07/2018 and there has been a big hump that it left at her drive way, customer has advised that it is very difficult to get into her drive and it is scrapping under car. Please can this be fixed. Thank-You
3898302	06-Jul-2018 20-Sep-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: CE Office Sent: Friday, 10 August 2018 12:15 p.m. To: Glenn Rainham Cc: Andy Finch; Shaun Clarke; Shaylah Hohaia; CE Office Subject: FW: RFS: 3877939 for 1541 Church Rd, Kaingaroa Importance: High</p> <p>Good afternoon Glenn,</p> <p>Further to my email of this morning, Felicity has comprehensively explained the situation that requires action. Can we have a d&p.</p> <p>I note RFS: 3898302 (operational) was closed by the contractor and the customer Kahu Collier was not advised.</p> <p>Kind regards,</p> <p>Bev Mitchell</p> <p>From: Felicity Foy Sent: Friday, 10 August 2018 11:48 a.m. To: CE Office Subject: RE: RFS: 3877939 for 1541 Church Rd, Kaingaroa</p> <p>Good morning Beverly.</p> <p>In our one on one meeting with Shaun, I raised a new rfs about the grading of church road and how the grader had "stolen" all the gravel from the base of the vehicle crossing at 1541 church road, so that it has a huge drop off and that the bumper's of car's using the crossing place we're getting crushed due to the steep drop created by the grader doing this to the entrance points.</p> <p>Further along church road the grader then pushed metal up onto other crossing places and created huge humps. I witnessed these other residents digging out the hump so that they could drive their car over it.</p> <p>I could see that the grader was doing it to make a groove on the side of the road to catch water and to make more of a camber on the road carriageway,</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>however the grader did not lift up the grader blade at the private crossing place onto the road, which made each private driveway very hard to use and cause potential damage to the residents cars.</p> <p>The driveway at 1541 church road needs the metal to be put back from a metal truck as it has a huge drop and the other private driveways need the humps taken off them. I don't know how this can be done with a grader- it probably needs to be fixed with a small Digger on each driveway crossing place?</p> <p>The rfs number of the previous lodged rfs from a local resident is Ref# 3898302.</p> <p>This was lodged on the 6th of July but nothing has been done to fix it! This is very disappointing.</p> <p>Regards,</p> <p>Cr. Felicity Foy</p>
3898302	06-Jul-2018 20-Sep-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Hon John Carter QSO <John.Carter@fndc.govt.nz> Date: Wednesday, 19 Sep 2018, 3:01 PM To: Felicity Foy <Felicity.Foy@fndc.govt.nz>, Garreth Oien <Garreth.Oien@fndc.govt.nz> Cc: Shaun Clarke <Shaun.Clarke@fndc.govt.nz>, Adele Thomson <Adele.Thomson@fndc.govt.nz>, CE Office <ceoffice@fndc.govt.nz> Subject: Church Road on-site visit</p> <p>Thanks to both of you for the on-site visit on Church road.</p> <p>It was very helpful and gave me a better understanding of how we are doing with our roading issues.</p> <p>Cheers J C</p> <p>Hon John Carter QSO Mayor</p>
3898302	06-Jul-2018 20-Sep-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Felicity Foy Sent: Wednesday, 19 September 2018 6:02 p.m. To: Hon John Carter QSO; Garreth Oien Cc: Shaun Clarke; Adele Thomson; CE Office Subject: RE: Church Road on-site visit</p> <p>Thank you to Garreth and John fo coming to the site Visit today.</p> <p>I also agree that the site visit gave a "hands on" understanding about the difference between normal maintenance of the road and ordered works, in terms of the new contract.</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>I am very happy to hear that 2 new roading inspectors are being employed per area, in order to monitor the roading contractors, such that they meet the new contract. I was also very happy to see a small Digger clearing Stormwater flow paths from the carriageway of the road along church road (and hopefully working their way around every road).</p> <p>Thank you for your time and effort to improving our rural roading network.</p> <p>Regards, Cr. Felicity Foy</p>
3897632	04-Jul-2018 25-Jul-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Email from Neldie Dryburgh</p> <p>Our road was recently graded but is now worse than it was before. Unfortunately the state of Church road has been worsening since I moved here a couple of years ago.</p> <p>It seems that there is not enough metal on the road, so lately when it is graded, it ends up with massive rocks all over the road and rifts in the middle. Our cars are not able to cope with the big rocks and the corrugation. Is there any way that we can get more metal on this road please?</p> <p>Email neldiemcd@gmail.com</p>
3897887	04-Jul-2018 11-Jul-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>marie osbourne -094081400 has advised grader has graded church road today in kaitaia and has done a terrible job, she advised that there is a ridge in the middle of the road now and it needs to be fixed.</p>
3893828	13-Jun-2018 11-Jul-2018	CEO Correspondence	<p>From: Felicity Foy Sent: Tuesday, 12 June 2018 2:15 PM To: Beverly Mitchell Subject: Rfs for pot holes church road, Kaingaroa</p> <p>Hi there. Please can you lodge an rfs for the pot holes at the Intersection of church road, outside the driveway of 1541 Church Road Kaingaroa, plus just around the first corner near 1421 Church Road.</p> <p>Regards, Felicity Foy</p> <p>Sent with BlackBerry Work (www.blackberry.com)</p>
	13-Jun-2018 11-Jul-2018	CEO Correspondence	<p>From: Beverly Mitchell Sent: Thursday, 14 June 2018 11:09 AM To: Felicity Foy Subject: RFS 3893828 for pot holes Church Road, Kaingaroa</p> <p>Good morning Cr Foy,</p> <p>On behalf of the Chief Executive Office I acknowledgement receipt of your email. On your behalf a request for service, reference RFS:3893828 has been lodged.</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>I have referred your correspondence to our IAMs group for response.</p> <p>Kind regards</p> <p>Beverly Mitchell Executive Liaison Chief Executive Office, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015350 m 027 354-2630 Beverly.Mitchell@fndc.govt.nz Website Facebook LinkedIn Careers</p>
	13-Jun-2018 11-Jul-2018	CEO Correspondence	<p>From: Beverly Mitchell Sent: Tuesday, 19 June 2018 1:53 PM To: Felicity Foy Subject: RE: RFS 3893828 for pot holes Church Road, Kaingaroa</p> <p>Good afternoon Cr Foy,</p> <p>Our contractor has inspected and advised this is well within spec. This RFS is with their maintenance crew and will be repaired when the crew is in this area - by 7/7/2018.</p> <p>Kind regards,</p> <p>Beverly Mitchell Executive Liaison Chief Executive Office, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015350 m 027 354-2630 Beverly.Mitchell@fndc.govt.nz Website Facebook LinkedIn Careers</p>
	13-Jun-2018 11-Jul-2018	CEO Correspondence	<p>From: Felicity Foy Sent: Tuesday, 19 June 2018 9:27 p.m. To: Beverly Mitchell Subject: RE: RFS 3893828 for pot holes Church Road, Kaingaroa</p> <p>Good evening Beverly.</p> <p>Please can you detail what "welol with spec" means? Sorry, I do not understand this comment in this context?</p> <p>The potholes on the road mean that a 4x4 truck physically bumps/juts upwards due to the depth of the pot holes.</p> <p>Also, please can you get an update form andy finch about what will be happening with the road side drains? Will they be machine cleaned? As they do not currently even exist more much of the road and also also covered/heaped with metalled that the grader has pushed to the side of the road into a heap.</p> <p>Felicity.</p>



RFS No.	Received Date	Request Type Description	Note Description
	13-Jun-2018 11-Jul-2018	CEO Correspondence	<p>From: CE Office Sent: Friday, 6 July 2018 10:44 AM To: Felicity Foy Subject: RE: 1541 Church Road Kaingaroa road standard RFS:3893828</p> <p>Good morning Cr Foy,</p> <p>I acknowledge receipt of your email. On your behalf this request for service has been combined into RFS: 3893828 which is with our IAMs group.</p> <p>Kind regards</p> <p>Beverly Mitchell Executive Liaison Chief Executive Office, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015350 m 027 354-2630 Beverly.Mitchell@fndc.govt.nz Website Facebook LinkedIn Careers</p> <p>From: Felicity Foy Sent: Thursday, 5 July 2018 12:11 PM To: Beverly Mitchell Subject: 1541 Church Road Kaingaroa road standard</p> <p>Please can an rfs be raised for church road Kaingaroa. The Road has just been graded and it is now like the road is all mud and it seems like there is not enough road metal on the road, plus there are large (100mm) metal chucks now on the road.</p> <p>It is particularly bad for the first 1km to the first corner of church road (by the aerials).</p> <p>Please can more metal be put on the road so that it is not just formed in mud and huge metal chucks.</p> <p>Please may an rfs be raised for this?</p> <p>Regards, Felicity Foy 0274988131</p>
3893735	12-Jun-2018 25-Jun-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>North Cushla Maree Bradshaw from 705 Church Road, Kaitaia called to advise her road needs urgent attention especially outside her property - the potholes are very large</p>
3893294	11-Jun-2018	Roading Correspondence	<p>165285 09/06/2018 13:12:33 Cheryl 021 538-438 Church Road Rd 2 Kaitaia Called to advised there is a storm water man hole lid that is in the middle of</p>



RFS No.	Received Date	Request Type Description	Note Description
	11-Jun-2018		the road outside approx 5 Church Road Kaitaia. Relayed details to Fulton Hogan. al
3892110	05-Jun-2018 21-Jun-2018	CEO Correspondence	<p>From: Felicity Foy Sent: Monday, 4 June 2018 3:00 PM To: Beverly Mitchell Cc: Hon John Carter QSO; Andy Finch Subject: Church road (Kaitaia) slip that needs urgent attention</p> <p>I noted this Facebook post about a slip on church road. Church road is the back up access for Kaitaia through to State Highway 10 in times of flood and when the state highway is closed.</p> <p>Please may an engineer urgently visit this site as it appears that the site will create a large slip which may result in the road not being cut off and not allowing vehicles to pass.</p> <p>Please urgently raise an rfs for this.</p> <p>Regards,</p> <p>Cr. Felicity Foy</p>
	05-Jun-2018 21-Jun-2018	CEO Correspondence	<p>From: Beverly Mitchell Sent: Tuesday, 5 June 2018 9:46 AM To: Felicity Foy Cc: Hon John Carter QSO; Andy Finch Subject: RE: Church road (Kaitaia) slip that needs urgent attention</p> <p>Good morning Cr Foy,</p> <p>On behalf of the Chief Executive Office I acknowledgement receipt of your email. On your behalf a request for service, reference RFS:3892110 has been lodged.</p> <p>I have referred your correspondence directly to IAMs group and Fulton Hogan.</p> <p>Kind regards,</p> <p>Beverly Mitchell Executive Liaison Chief Executive Office, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015350 m 027 354-2630 Beverly.Mitchell@fndc.govt.nz Website Facebook LinkedIn Careers</p>
3892181	05-Jun-2018 29-Jun-2018	Roading Correspondence	165215 05/06/2018 08:16:49 Bella Stevenson 09 408-1300 55 Church Road Kaitaia 0410 Customer advised there is a hole outside of her driveway, customer advised she can see pipes. Location: Driveway, foot path, and power pole is close to hole. Customer is concerned about safety for children. Rang



RFS No.	Received Date	Request Type Description	Note Description
			Northern / North West : Fulton Hogan spoke with Russell, relayed details, confirmed received.
3891879	01-Jun-2018 04-Jul-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	North Andre McDonald of 675 Church Road KAITAIA has come in to say that his Road got graded yesterday, but he is not happy as some of the metal is rocks the size of his fits and is not good on the cars. Can tis be looked at and fixed as he is not happy with the work done. Please contact Andre 0211606314 in relation to this query if you require more information
3889027	17-May-2018 21-May-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Kia ora Jane,</p> <p>Thank you for contacting the Far North District Council.</p> <p>Your request for services has been forwarded to our roading Department to action, investigate and respond. Reference number is RFS-3889027</p> <p>Naku noa</p> <p>Ben Sula</p> <p>Ask Us Team District Services Far North District Council 09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz</p> <p>-----Original Message----- From: grayzfarm@xtra.co.nz [mailto:grayzfarm@xtra.co.nz] Sent: Wednesday, 16 May 2018 8:19:33 p.m. To: Ask Us Team Subject: ROADING MAINTENANCE REQUEST</p> <p>Hi there</p> <p>Can someone please take a look at the bridge approach to the one way bridge on south end of Clough Road.</p> <p>This really needs tarsealing from the entrance of State Highway 1 to the bridge itself as despite numerous attempts at filling the potholes they never last for more than a week and I am so sick of trying to negotiate at least five holes across the breadth of the road which is impossible to navigate. I now have to crawl across this section to avoid serious damage to my vehicle.</p> <p>Please can you forward this request on for consideration in your road planning upgrades. It is only a very short section but this road is used heavily (also it must be noted that it is the only other access into Kaitaia should the road be closed for any reason between Clough Road and the township).</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Ideally the whole of Clough Road and Church Road should be tarsealed but I guess we are dreaming.</p> <p>I look forward to your response.</p> <p>Regards</p> <p>Jane Gray 144 Snelgar Road RD 2 Kaitaia 0482 021 0812 7441</p>
3888411	15-May-2018 23-May-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Tyler Hauraki from Northland Waste, Kaitaia - 027-3385-340</p> <p>Calling in to advise of fairly decent pothole down Church Road, near Kaitaia Clubrooms. She advised that it stops traffic and people move to oncoming traffic to avoid it.</p>
3886801	07-May-2018 31-May-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH</p> <p>Andre McDonald of 675 Church Road KAITAIA has come in requesting that Church Road is graded please pretty much all of the road needs attention.</p>
3881557	06-Apr-2018 13-Apr-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH</p> <p>Mr Keene of 3 Tahuna Rd Kaitaia uses Church Rd everyday and said he noticed that Fulton Hogan has filled the pot holes on the first few hole on Church Rd Kaitaia just off the sealed part of Church Road, but he is wanting to know when the rest will be done as he uses this road and there are quite a few more along the gravel part of Chruch Road. Can all of th gravel part of Chruch Road be checked, pot holes filled, gravel and corrugation please.</p>



RFS No.	Received Date	Request Type Description	Note Description
3879170	23-Mar-2018 18-May-2018	CEO Correspondence	<p>From: Nicole Wooster Sent: Friday, 23 March 2018 9:38 a.m. To: Felicity Foy Cc: Andy Finch; Tim Elliott; Wil Pille; Kirsty Farrow; 'Jacqui.Hori-Hoult@nzta.govt.nz'; peter.thomson@wdc.govt.nz Subject: RE: Resilience Planning for Transport in the Kaitaia area - RFS 3879170</p> <p>Good morning Cr Foy</p> <p>On behalf of the Chief Executive Office I acknowledge receipt of your meeting request dated 22 March 2018. I have transferred this meeting request into RFS 3879170.</p> <p>Cr Foy, I have, discussed this matter with Andy Finch, General Manager – Infrastructure & Asset Management on your behalf. It has been requested that a site meeting be arranged with the following attendees:</p> <p>Cr Felicity Foy Andy Finch, FNDC Tim Elliott or Wil Pille, FNDC NZTA representative to be arranged through Jacqui Hori-Hoult NTA representative to be arranged through Peter Thomson</p> <p>The meeting is to respond to the concerns that Church Road is being used an alternative route when State Highway 1/or 10 is closed due to vehicle accidents. It will also address what are we going to do about it.</p> <p>It is requested that this meeting be arranged for mid – late April. Please forward confirmation of availability to Kirsty Farrow who will arrange this appointment from Andy Finch's diary.</p> <p>Regards Nicole</p> <p>Nicole Wooster Executive Assistant to the Chief Executive Officer Corporate Services, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015211 m 021458611 Nicole.Wooster@fndc.govt.nz Website Facebook LinkedIn Careers</p> <p>From: Felicity Foy Sent: Thursday, 22 March 2018 5:31 p.m. To: Nicole Wooster Cc: Andy Finch Subject: Resilience Planning for Transport in the Kaitaia area</p> <p>Hi Nicole. Please put in an rfs for keith Kent to meet with me about resilience</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Transport Planning for the Kaitaia area.</p> <p>The state highway has been closed twice in the last few months due to fatalities and church road had to be used by all of the users of State Highway 10 and also users of state highway 1.</p> <p>This is a huge volume of vehicles using this local road, which is not formed to a good standard or sealed.</p> <p>Please can a meeting be arranged about this matter, as th standard of church road was a huge concern with the large freight vehicles using it and all the vechiles that got diverted from the state highway.</p> <p>Further to this, this road was in the 2014 road strategy to be sealed to provide for an alternative route for the resilience of Kaitaia (in case of a hazard event and also for traffic diversions).</p> <p>Please can an rfs be provided and this meeting arranged? A site visit would be preferable, to show the Transport Planner the standard of the road and the issues that the community faces.</p> <p>Regards,</p> <p>Cr. Felicity Foy</p> <p>Sent with BlackBerry Work (www.blackberry.com)</p>
	23-Mar-2018 18-May-2018	CEO Correspondence	<p>From: Kirsty Farrow Sent: Wednesday, 4 April 2018 1:53 p.m. To: Felicity Foy Cc: Andy Finch; Tim Elliott; Wil Pille; 'Jacqui.Hori-Hoult@nzta.govt.nz'; peter.thomson@wdc.govt.nz; Nicole Wooster; 'Sue OShea'; Keith Kent Subject: RE: Resilience Planning for Transport in the Kaitaia area - RFS 3879170</p> <p>Afternoon Cr Foy,</p> <p>As per the below email communication/s I have arranged an onsite meeting for Tuesday, 10th April 2018 at 12.30pm.</p> <p>Please can we meet at the Te Ahu Centre and then travel to Church road for the onsite meeting.</p> <p>I have sent the calendar invite to all concerned and included you on said invite.</p> <p>Many thanks,</p> <p>Kind regards</p>



RFS No.	Received Date	Request Type Description	Note Description
			Kirsty
	23-Mar-2018 18-May-2018	CEO Correspondence	<p>From: Keith Kent Sent: Monday, 9 April 2018 3:46 PM To: Andy Finch; Tim Elliott; Wil Pille; Andy Brown Subject: FW: Resilience Planning for Transport in the Kaitaia area - RFS 3879170</p> <p>Gents, I'd prepared some notes for our meeting at Church Road Kaitaia which is now cancelled. My approach was going to be around District Prioritisation of resilience / diversion routes. This will now be reviewed by NTA. The comparison below suggests that Church Road may not be top priority for us.</p> <p>Church Road</p> <ul style="list-style-type: none"> • 14.8km long @ \$250,000/km to seal = \$3,700,000 min • ONRC Cat 3 Secondary Collector • 150 ADT • 6500 AADT diverted flow potential • Min width 4.8m <p>Ruapekapeka Road</p> <ul style="list-style-type: none"> • 14.0km long @ \$250,000/km to seal = \$3,500,000 min • ONRC Cat 3 Secondary Collector • 200 AADT • 7000 AADT, 12% Heavy diverted potential • Min width 3.7m <p>Regards Keith Kent Transport Planner</p>



RFS No.	Received Date	Request Type Description	Note Description
3877939	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>Hi Nic sorry I did one and thought it was Fiona King not Felicity but now I know it was Felicity sorry RFS 3877939 for this one let me know if I need to find the other one ta</p> <p>Donna</p> <p>-----Original Message----- From: F King [mailto:flick.king@xtra.co.nz] Sent: Thursday, 15 March 2018 10:17:30 p.m. To: Ask Us Team Subject: Rfs for 1541 church rd, Kaingaroa</p> <p>Pleas lodge an rfs for church road. I put in an rfs a few days ago, and since then the grader has come. However, the grader has pushed the metal from the road into the water table drains.</p> <p>The water table drains now are just full of metal and the culverts are full of metal and cannot flow anywhere.</p> <p>I request that a small Digger is bought in to dig out the water table drains on each side of church road, just like Kumi rd has had done, and then the culverts cleared out and the water table drains cleared to be able to drain through the overland flow paths on adjoining properties- currently on the "Taipa side" of church road, the water table drains are block to flow through the adjacent sites and therefore do not allow water to flow away.</p> <p>I also please request that new metal is trailed on the carriageway and parking rest area along the last km of the road that adjoins the state highway, in particular the last 50m of the road with the state highway intersection. Lots of people park here and school buses and parents use this intersection. This last 50m of the road is terrible- it has lots of patched tar seal and the seal only is approx 5m from the state highway. It is now down to the dirt on the "Kaitaia side" of the carriageway of church road. This is because this is a heavy use intersection and the metal is pushed out onto the state highway daily, as the local road is not tar sealed a sufficient distance down church road.</p> <p>Please call me about any queries in this email. I am also happy to undertake a site visit with the maintenance engineer or the safety engineer. The fact that this intersection is a bus stop area for school buses is a serious safety concern.</p> <p>My number is 0274988131.</p> <p>Regards, Felicity Foy</p>



RFS No.	Received Date	Request Type Description	Note Description
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>Good morning Wil</p> <p>Another one for you to look into. I have noted below my email of acknowledgement for your reference. In this case I have assumed Felicity Foy is contacting us as a member of public not as an elected member so I will leave this in roadings hands to resolve going forward (no update to the CE Office is required).</p> <p>-----Original Message----- From: Nicole Wooster Sent: Friday, 23 March 2018 11:39 a.m. To: 'flick.king@xtra.co.nz' Subject: RE: RFS 3877939 - Church Road (Feedback on Grader Works/ Traffic Safety Concerns)</p> <p>Good morning Felicity</p> <p>I acknowledge receipt of your request for service of 15 March 2018. Please accept our apologies as when this was originally received our Ask Us service incorrectly raised this to Fiona King. This has since been corrected and I can confirm your reference number as being 3877939.</p> <p>I have reassigned your request to Wil Pille, Manager - Transport Operations and Capital Works for his attention and investigation. I have assumed since you have emailed under a private account that you are progressing this as a member of public, not an elected member. Therefore, I will leave this in the hands of Wil to manage with you direct. Wil, will contact you to provide you with a date and promise of when a response will be provided. I have highlighted your offer to meet onsite with a member of staff.</p> <p>Regards Nicole</p> <p>Nicole Wooster Executive Assistant to the Chief Executive Officer Corporate Services, Far North District Council +6494015211 Nicole.Wooster@fndc.govt.nz www.fndc.govt.nz</p>
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>Full email attached in memo dated 20 May 2018</p> <p>From: Felicity Foy Sent: Sunday, 20 May 2018 2:56 PM To: Beverly Mitchell Cc: Andy Finch Subject: RE: RFS: 3877939 for 1541 Church Rd, Kaingaroa</p> <p>Please see the attached pictures of the non-existent water table drains along church road.</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>I Personally took Andy on a site visit to show him how bad it was and that there was not point in clearing out culverts when they have no where to flow and when there are no properly formed and maintained water table drains.</p> <p>Do not close this rfs. I will not stop raising this issue. It should not be me who needs to spend my own personal funds to put in water table drains along side the legal road carriageway.</p> <p>Please arrange a contractor to machine create/clean the water table drains along church road.</p> <p>Felicity Foy</p> <p>Sent with BlackBerry Work (www.blackberry.com)</p>
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>From: Felicity Foy Sent: Friday, 10 August 2018 11:48 a.m. To: CE Office Subject: RE: RFS: 3877939 for 1541 Church Rd, Kaingaroa</p> <p>Good morning Beverly.</p> <p>In our one on one meeting with Shaun, I raised a new rfs about the grading of church road and how the grader had "stolen" all the gravel from the base of the vehicle crossing at 1541 church road, so that it has a huge drop off and that the bumper's of car's using the crossing place we're getting crushed due to the steep drop created by the grader doing this to the entrance points.</p> <p>Further along church road the grader then pushed metal up onto other crossing places and created huge humps. I witnessed these other residents digging out the hump so that they could drive their car over it.</p> <p>I could see that the grader was doing it to make a groove on the side of the road to catch water and to make more of a camber on the road carriageway, however the grader did not lift up the grader blade at the private crossing place onto the road, which made each private driveway very hard to use and cause potential damage to the residents cars.</p> <p>The driveway at 1541 church road needs the metal to be put back from a metal truck as it has a huge drop and the other private driveways need the humps taken off them. I don't know how this can be done with a grader- it probably needs to be fixed with a small Digger on each driveway crossing place?</p> <p>The rfs number of the previous lodged rfs from a local resident is</p> <p>Ref# 3898302.</p> <p>This was lodged on the 6th of July but nothing has been done to fix it! This is very disappointing.</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>Regards,</p> <p>Cr. Felicity Foy</p>
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>From: Jewel Eketone Sent: Monday, 3 September 2018 11:42 a.m. To: Garreth Oien; Wil Pille Cc: Elbie Serfontein; Glenn Rainham Subject: RFS 3877939 and 3898302 - 1541 Church Rd, Kaingaroa Importance: High</p> <p>Good morning all,</p> <p>The last notes recorded against the above RFS on 10 Aug 2018 would indicate that there are still issues outstanding – in particular the driveway at 1541 church road needs the metal to be put back from a metal truck as it has a huge drop and the other private driveways need the humps taken off them. I'm also not sure if the water tables here have been addressed</p> <p>Can we please have a D&P set by Wednesday and an update on the progress that has been made to date.</p>
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>From: Hon John Carter QSO <John.Carter@fndc.govt.nz> Date: Wednesday, 19 Sep 2018, 3:01 PM To: Felicity Foy <Felicity.Foy@fndc.govt.nz>, Garreth Oien <Garreth.Oien@fndc.govt.nz> Cc: Shaun Clarke <Shaun.Clarke@fndc.govt.nz>, Adele Thomson <Adele.Thomson@fndc.govt.nz>, CE Office <ceoffice@fndc.govt.nz> Subject: Church Road on-site visit</p> <p>Thanks to both of you for the on-site visit on Church road.</p> <p>It was very helpful and gave me a better understanding of how we are doing with our roading issues.</p> <p>Cheers J C</p> <p>Hon John Carter QSO Mayor</p>
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>From: Felicity Foy Sent: Wednesday, 19 September 2018 6:02 p.m. To: Hon John Carter QSO; Garreth Oien Cc: Shaun Clarke; Adele Thomson; CE Office Subject: RE: Church Road on-site visit</p> <p>Thank you to Garreth and John for coming to the site Visit today.</p> <p>I also agree that the site visit gave a "hands on" understanding about the difference between normal maintenance of the road and ordered works, in</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>terms of the new contract.</p> <p>I am very happy to hear that 2 new roading inspectors are being employed per area, in order to monitor the roading contractors, such that they meet the new contract. I was also very happy to see a small Digger clearing Stormwater flow paths from the carriageway of the road along church road (and hopefully working their way around every road).</p> <p>Thank you for your time and effort to improving our rural roading network.</p> <p>Regards, Cr. Felicity Foy</p>
	16-Mar-2018 20-Sep-2018	CEO Correspondence	<p>From: Andy Finch Sent: Thursday, 20 September 2018 7:06 a.m. To: Garreth Oien Cc: Neil Cook (neil.cook@wdc.govt.nz); Neil Cook; Glenn Rainham; Wil Pille Subject: FW: Church Road on-site visit</p> <p>Great job Garreth- thanks.</p> <p>Andy</p>
3876743	12-Mar-2018 14-Mar-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH Felicity Ellen Foy of 1541 Church Road, Kaingaroa 0482 has reported that there are pot holes & lack of metal on the road and that dirt is starting to come through in areas at the end of Church Rd and State Highway 10 end. Can this please be checked out and fixed.</p>
3876743	12-Mar-2018 14-Mar-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>As Church Road was graded in the last 3 weeks, and other roads need to be graded as well, I will try to get a grader there when one becomes available.</p>
3875290	05-Mar-2018 14-Mar-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Andre McDonald 675 Church Road Kaitaia ph 0211 606 314 , road needs grading from Oturu Road intersection, unsure how far towards Kaingaroa end but definitely to his rapid, severe corrugations and potholes.</p>
3867213	19-Jan-2018 23-Jan-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Felicity Foy of 1421 Church Road, RD2, Kaitaia is asking for maintenance for about the 1st km of Church Road. She is advising a lot of deep potholes that need filling, corrugations and that part of the road needs grading. Can we assess please.</p>
3866753	17-Jan-2018 23-Jan-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH Mr Andre McDonald of 675 Church Road Kaitaia has come in requesting that Church Road needs grading as the road is getting bad again, this is all of Church road and now this is corrugated quite badly.</p>
3864861	04-Jan-2018 23-Jan-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Brett Hodgson 021943963 Church Road, Kaitaia Road need a grade and haven't been done for months. Could this be followed through for customer please</p>



RFS No.	Received Date	Request Type Description	Note Description
3864350	21-Dec-2017 04-Jan-2018	Road Repairs - Potholes, Edge Breaks, Corrugations	160943 21/12/2017 12:44:05 Nanook Kinnear 022 166-1362 Church Road Kaitaia 0410 "E-mailed on 21-Dec-2017 at 12:46 by Annaliestje Penman Customer is calling to advise that road at the lower end of Church Road Kaitaia is really bad and there are pot holes. Customer would like this looked in to. AMP " Roads
3841627	10-Aug-2017 18-Aug-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	Ivana Foy 1424 Church Road Kaitaia ph 4067736 would like to request filling & compacting of potholes at SH 10 end of Church Road. Road has been recently graded but this has not eliminated the potholes, people using the road are now going onto wrong side of road to avoid potholes creating risks.
3841379	09-Aug-2017 18-Aug-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	Felicity Foy of 1541 Church Road, Kaingaroa is asking for road maintenance of Church Road. She advises from SH 10 up to 1421 where the main problem of pot holes are. She also advises the road is mushy and is lacking metal. She advises a large pothole adjacent to slip after first corner where she has to drive on wrong side of the road. Tel : 0274988131
3840674	05-Aug-2017 18-Aug-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Good afternoon Adrian,</p> <p>Thank you for contacting the Far North District Council.</p> <p>Your maintenance request has been forwarded to our Infrastructure & Asset Department for a response. Reference number is RFS- 3840674.</p> <p>We will notify you of the outcome of your request once a response has been received.</p> <p>Kind regards</p> <p>Donna Smith Team Leader - Customer Contact Centre District Services, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015213 donna.smith@fndc.govt.nz Website Facebook LinkedIn Careers From: aj@coffeenews.co.nz [mailto:aj@coffeenews.co.nz] Sent: Saturday, 5 August 2017 1:25 a.m. To: Ask Us Team Subject: Website RFS - issue type: Adrian - from Adrian Dermer</p> <p>A Request For Service (RFS) has been received from . The following request has been submitted: Request details</p> <ul style="list-style-type: none"> • Location of issue*: Intersection of Church Road and Te Ahu Street, Kaitaia 0410. • Issue type*: Road maintenance • How can we help?*: There are very large / deep potholes in the road which are causing havoc and damaging peoples vehicles... When I go around the corner and hit this pothole it damn near kicks my ute of course. It's extremely dangerous. they need to be fixed immediately. I have attached images for reference.



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			<ul style="list-style-type: none"> • Attach a file or photo: No file uploaded • Attach a file or photo: No file uploaded • Attach a file or photo: No file uploaded <p>Your details</p> <ul style="list-style-type: none"> • First name*: Adrian • Surname*: Dermer • Email address*: aj@coffeenews.co.nz • Postal address: 59 Church Road, Kaitaia 0410 • Phone*: 021 127 8685 <p>Further information</p> <ul style="list-style-type: none"> • Have you contacted us before about this issue?*: No • RFS number: • How would you like us to respond?*: Phone
3835406	10-Jul-2017 21-Jul-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	Kaitaia end of Church Road was graded the other week, road with rain has turn slush and potholes have developed can some metal be laid.
3834168	03-Jul-2017 05-Jul-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	Mike 408 0629; grader is grading at the moment and made a total mess of the road, there is no metal and the road is now bog, this is the worst Mike has seen it in many year. Please fix asap. Church Road Kaitaia
3833700	29-Jun-2017 25-Oct-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Ask Us Team Sent: Thursday, 29 June 2017 11:32 a.m. To: Garreth Oien; Felicity Foy Cc: Ask Us Team Subject: REF RFS 3833699/3833700/3833701 : Rfs for fixing Church road Kaingaroa</p> <p>Good morning, Felicity and Garreth.</p> <p>Thank you for contacting us at the Far North District Council.</p> <p>I have logged 3 RFS as requested by Garreth:</p> <p>RFS 3833699 for issue 1 RFS 3833700 for issue 2 and RFS 3833701 for issue 3.</p> <p>Kind Regards Anja</p> <p>Ask Us Team District Services Far North District Council 09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz Website Facebook LinkedIn Careers</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>From: Garreth Oien Sent: Wednesday, 28 June 2017 1:19 p.m. To: Ask Us Team Cc: Felicity Foy Subject: RE: Rfs for fixing Church road Kaingaroa</p> <p>This needs to be split into 3 RFS</p> <ol style="list-style-type: none"> 1) General pavement/ Drainage mtce to be assigned to FH as the service provider I will liaise with them to prioritise any ordered works 2) Slip on Church Rd to be sent to Dave Morrison to check against the approved Slip list 3) Intersection Improvements of Church and SH 10 to be sent to NZTA, I am happy for my name to be put on the request as a point of contact as there are a number of intersection needing improvement. <p>Thanks</p> <p>Garreth Oien Roading Engineer Infrastructure & Asset Management, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494089429 m 027 807-5586 Garreth.Oien@fndc.govt.nz Website Facebook LinkedIn Careers</p> <p>From: Felicity Foy Sent: Wednesday, 28 June 2017 9:55 a.m. To: Ask Us Team Cc: Garreth Oien Subject: Rfs for fixing Church road Kaingaroa</p> <p>Good morning.</p> <p>I am contacting Council to please put in an rfs about the carriageway of church road along the first 2km of the road from state highway 10 and mainly near the intersection with the state highway. Also the stormwater water table drains are not sprayed or dug out- when will this maintenance be done?</p> <p>There is a slip after the first corner of the road that had not moved into the carriageway of the road and is affecting where a vehicle tyre on the road is located. This is very concerning for safety, as the school bus uses this road and it is very narrow now adjacent to this slip area.</p> <p>The road has potholes and is rutted and looks to need more metal and the pot holes filled in. The rally was on this part of the road recently and also means that the starting place for the rally has some rutts created from spinning tyres at the start line.</p> <p>Please can more metal be put onto the road and can works be done to fix the slip that is now affecting the carriageway of the road.</p> <p>I would like to see the interesting sealed further back into the road to reduce the amount of maintenance required for the metal near the state highway and to reduce metal being flung onto the state highway and creating a safety</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>issue.</p> <p>Regards,</p> <p>Cr. Felicity Foy 0274988131</p> <p>Felicity Foy Councillor Far North District Council, Te Hiku Ward 09 401 5200 or 0800 920 029 Felicity.Foy@fndc.govt.nz Website Facebook LinkedIn Careers</p>
3833699	29-Jun-2017 30-Jun-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Ask Us Team Sent: Thursday, 29 June 2017 11:32 a.m. To: Garreth Oien; Felicity Foy Cc: Ask Us Team Subject: REF RFS 3833699/3833700/3833701 : Rfs for fixing Church road Kaingaroa</p> <p>Good morning, Felicity and Garreth.</p> <p>Thank you for contacting us at the Far North District Council.</p> <p>I have logged 3 RFS as requested by Garreth:</p> <p>RFS 3833699 for issue 1 RFS 3833700 for issue 2 and RFS 3833701 for issue 3.</p> <p>Kind Regards Anja</p> <p>Ask Us Team District Services Far North District Council 09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz Website Facebook LinkedIn Careers</p> <p>From: Garreth Oien Sent: Wednesday, 28 June 2017 1:19 p.m. To: Ask Us Team Cc: Felicity Foy Subject: RE: Rfs for fixing Church road Kaingaroa</p> <p>This needs to be split into 3 RFS 1) General pavement/ Drainage mtce to be assigned to FH as the service provider I will liaise with them to prioritise any ordered works 2) Slip on Church Rd to be sent to Dave Morrison to check against the approved Slip list</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>3) Intersection Improvements of Church and SH 10 to be sent to NZTA, I am happy for my name to be put on the request as a point of contact as there are a number of intersection needing improvement.</p> <p>Thanks</p> <p>Garreth Oien Roading Engineer Infrastructure & Asset Management, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494089429 m 027 807-5586 Garreth.Oien@fndc.govt.nz Website Facebook LinkedIn Careers</p> <p>From: Felicity Foy Sent: Wednesday, 28 June 2017 9:55 a.m. To: Ask Us Team Cc: Garreth Oien Subject: Rfs for fixing Church road Kaingaroa</p> <p>Good morning.</p> <p>I am contacting Council to please put in an rfs about the carriageway of church road along the first 2km of the road from state highway 10 and mainly near the intersection with the state highway. Also the stormwater water table drains are not sprayed or dug out- when will this maintenance be done?</p> <p>There is a slip after the first corner of the road that had not moved into the carriageway of the road and is affecting where a vehicle tyre on the road is located. This is very concerning for safety, as the school bus uses this road and it is very narrow now adjacent to this slip area.</p> <p>The road has potholes and is rutted and looks to need more metal and the pot holes filled in. The rally was on this part of the road recently and also means that the starting place for the rally has some rutts created from spinning tyres at the start line.</p> <p>Please can more metal be put onto the road and can works be done to fix the slip that is now affecting the carriageway of the road.</p> <p>I would like to see the interesting sealed further back into the road to reduce the amount of maintenance required for the metal near the state highway and to reduce metal being flung onto the state highway and creating a safety issue.</p> <p>Regards,</p> <p>Cr. Felicity Foy 0274988131</p> <p>Felicity Foy Councillor Far North District Council, Te Hiku Ward 09 401 5200 or 0800 920 029 Felicity.Foy@fndc.govt.nz Website </p>



RFS No.	Received Date	Request Type Description	Note Description
			Facebook LinkedIn Careers
3833700	29-Jun-2017 25-Oct-2017	Roading Correspondence	<p>From: Selina Topia Sent: Thursday, 13 July 2017 1:44 p.m. To: Felicity Foy Subject: RFS3833700 - Church Road, Kaitaia</p> <p>Kia ora Councillor Felicity Foy,</p> <p>This is an acknowledgement of your request for service that has been logged with the Far North District Council. This has been forwarded to our Slips Engineer who will make an assessment and we will endeavour to reply back to you before the 2nd August, 2017.</p>
3831168	15-Jun-2017 22-Jun-2017	Roading Miscellaneous - NOT TO BE USED BY CSO	<p>Good afternoon Judi,</p> <p>Thank you for contacting the Far North District Council.</p> <p>Your roading query has been forwarded to our Infrastructure & Asset Department for a response. Reference number is RFS- 3831168.</p> <p>We will notify you of the outcome of your request once a response has been received.</p> <p>Kind regards</p> <p>Donna Smith Team Leader - Customer Contact Centre District Services, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015213 donna.smith@fndc.govt.nz Website Facebook LinkedIn Careers From: gandjrogers@clear.net.nz [mailto:gandjrogers@clear.net.nz] Sent: Tuesday, 13 June 2017 10:55 a.m. To: Ask Us Team Subject: Website submitted email from Judi Rogers</p> <p>A website submitted email has been received from Judi Rogers. The following message has been submitted: Your Details</p> <ul style="list-style-type: none"> • Title: Mrs • Other title: • First name*: Judi • Surname*: Rogers • Email address*: gandjrogers@clear.net.nz • Re-enter email address*: gandjrogers@clear.net.nz • Full postal address*: 6 Dykin Road RD2 Kaitaia • Post code: 0482 • Phone Daytime: 09 408 9108 • Phone Evening: • Mobile Phone: 021 224 1743 • Fax:



RFS No.	Received Date	Request Type Description	Note Description
			<ul style="list-style-type: none"> • Company: Your enquiry • Enquiry details: I was just enquiring when the East Coast End of Church Road is scheduled to be tar sealed. • Attach a document: No file uploaded
3826774	22-May-2017 30-May-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>From: Kim Mackereth Sent: Monday, 22 May 2017 11:09 a.m. To: Ask Us Team Subject: Customer issue re Roading Potholes Church Road Kaitaia</p> <p>Can someone please raise an RFS of some sort as Mr Alec Rumble has called about the continual large and unrepaired potholes on Church Road Kaitaia where the tarseal meets the metal and would like something done about it please.</p> <p>He comes up once a month and is quite happy to meet someone on site if necessary, he would make a special trip if required. RTZ 2404730 Phone 094238999 and leave a message if not available. Email scrumble@xtra.co.nz</p> <p>He is quite unhappy about the situation.</p> <p>Thank you very much for your assistance.</p> <p>Regards Kim</p> <p>Kim Mackereth Rates Officer Corporate Services, Far North District Council 24-hour Contact Centre 0800 920 029 ddi +6494015346 Kim.Mackereth@fndc.govt.nz Website Facebook LinkedIn Careers</p>
3823203	02-May-2017 01-Jun-2017	Roading Correspondence	<p>From: Ask Us Team Sent: Tuesday, 2 May 2017 2:35 p.m. To: 'pauloseanu1984@gmail.com' Cc: Ask Us Team Subject: REF RFS 3823203: Website RFS - issue type: anu - from anu paulose</p> <p>Good afternoon, Anu.</p> <p>Thank you for contacting us at the Far North District Council.</p> <p>I have forwarded your request to the Infrastructure and Asset Management Department for a response – your correspondence number is RFS 3823203.</p> <p>Kind Regards Anja</p> <p>Ask Us Team District Services Far North District Council</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>09 401 5200 or 24-hour Contact Centre 0800 920 029 ask.us@fndc.govt.nz Website Facebook LinkedIn Careers</p> <p>From: pauloseanu1984@gmail.com [mailto:pauloseanu1984@gmail.com] Sent: Friday, 28 April 2017 10:29 p.m. To: Ask Us Team Subject: Website RFS - issue type: anu - from anu paulose</p> <p>A Request For Service (RFS) has been received from . The following request has been submitted: Request details</p> <ul style="list-style-type: none"> • Location of issue*: 75 Church Road , Kaitaia • Issue type*: Street lighting • How can we help?*: Hi there;; I was wondering if it is possible to have street lighting in front of my property plzzz.Also to let you know that I am not in a financial state to pay for the same. • Attach a file or photo: No file uploaded • Attach a file or photo: No file uploaded • Attach a file or photo: No file uploaded <p>Your details</p> <ul style="list-style-type: none"> • First name*: anu • Surname*: paulose • Email address*: pauloseanu1984@gmail.com• Postal address: 75 Church Road Kaitaia 0410 • Phone*: 02102475603 <p>Further information</p> <ul style="list-style-type: none"> • Have you contacted us before about this issue?*: No • RFS number: • How would you like us to respond?*: Email
3821108	20-Apr-2017 21-Apr-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH</p> <p>Felicity Foy of 1421 Church Road has come in to say that at the intersection of Church Rd and State Highway 10 Kaingaroa there are pot holes that need attention please investigate and advise when they will be fixed</p>
3821109	20-Apr-2017 21-Apr-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>NORTH</p> <p>Felicity Foy of 1421 Church Road has come in to say that Fisher-Riley Rd, Kaitaia needs urgent attention by grading and metal and is now to the point of being dangerous to drive on. Please investigate and advise</p>
3815863	21-Mar-2017 23-Mar-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Shane Garton 0212283527 Church Road, Kaitaia</p> <p>Badly washed out road from water from two weeks ago. There is bad corrugation which is very dangerous for road users. Customer feels that it may need a grader. Could roading please investigate this situation?</p>
3813004	08-Mar-2017 22-Mar-2017	Road Repairs - Potholes, Edge Breaks, Corrugations	<p>Paula ph 0220852919 has called to advise the corrugations on Church Road (especially from Otiri to Church then the intersection to approx 600 Church) are so bad it has cracked her windscreen the road requires grading and possibly metal</p>



RFS No.	Received Date	Request Type Description	Note Description
3770962	26-Jul-2016 29-Jul-2016	Road Repairs - Potholes, Edge Breaks, Corrugations	Mr Richard Keene ph 4082064 would like to request repairs to Church Road from end of tarseal through to Oturu Road, road has lot of potholes progressively getting worse.
3739920	11-Feb-2016 12-Feb-2016	Road Repairs - Potholes, Edge Breaks, Corrugations	Tania Petricevich (phone: 408-2411) from Petricevich Buses phoned requesting that both ends (from town to the crossroads and from SH10 to Kaingaroa) of Church Road to be graded as they have school buses running these routes.
3739379	09-Feb-2016 10-Feb-2016	Road Repairs- Potholes, NOT TO BE USED BY CSO	NORTH Alec Rumble has a property Pt Lot 1, Church Road, Kaitaia 0410 and has come in to complain about the road just passed the Oturu Maeare where the tarseal meets the metal is a big pot hole about a meter wide that needs urgent attention as he was driving up there today and reckons he did not see it until his tyre went in and he nearly flipped his ute. Could someone please investigate and have the holes metaled.
3738381	03-Feb-2016 11-Feb-2016	Road Repairs - Potholes, Edge Breaks, Corrugations	NORTH Andre McDonald 675 Church Road, Kaitaia has come in to advise that Church Road needs corrugation and grading urgently from Oturu intersection to state highway 10 in particular. Could someone please investigate and advise.
3736520	22-Jan-2016 11-Feb-2016	Road Repairs- Potholes, NOT TO BE USED BY CSO	NORTH Neldie McDonald of 675 Church Road Kaitaia has come in to say that the Road from there property all the way to the seal on Church Road and then Oturu Road from the Church Rd junction to the Marae on Oturu Rd also needs attention for corrugations and grading. Could someone please investigate and advise when these roads can be graded.
3736532	22-Jan-2016 11-Feb-2016	Road Repairs- Potholes, NOT TO BE USED BY CSO	Tracey Lianne Tearle from 309 Puriri Block Road, Kaitaia. Has rung to advise that the roads are really bad from here to church road there is alot of pot holes and corrugations-can we assisit please. phone - 022 6531813 (
3716273	24-Sep-2015 12-Oct-2015	Road Repairs - Potholes, Edge Breaks, Corrugations	Raymond Harris – 0275218992 Church road, mangamuka Calling to request somebody come out and have a look at church road, he says towards the end of the road (it is a dead end road) the road is getting really narrow and a slip on the river side is occurring he says this is very dangerous and needs to be looked at before the road is totally cut off.
3694507	02-Jun-2015 06-Jul-2015	Road Repairs- Potholes, NOT TO BE USED BY CSO	Kerrie Horan 44 Puriri Block Road Kaitaia ph 09 4067486 would like to request urgent attention to Church Road from the western intersection of Church Road and Puriri Block Road for approximately 2km towards SH10. The road has become bogged and is sludgy up to the axle of her car making it impassable for her at the moment. She would like a call as soon as road has been attended to as she is unable to drive out until this has been attended to. She would prefer to not have to use the alternate route has she has previously had a very serious car accident on this end of road and is very afraid to use the road particularly on her return trip as this places her on the gully side were the accident occurred.



RFS No.	Received Date	Request Type Description	Note Description
3693769	27-May-2015 01-Oct-2015	Roadings Correspondence	Darrell Jecenth - Letter scanned and attached - Drainage on boundary of 321 Church Road Kaitaia
3645718	12-Jul-2014 22-Jul-2014	Road Repairs - Potholes, Edge Breaks, Corrugations	123118 11/07/2014 17:15:41 Collin Park 09 406-7327 Roads Last lot of rain there was a 2metre (length) road slip on Church Road, Kaitaia. He advised that the road is down to one lane which you can drive through but there's only one road works cone there, he thinks it would be safer if there was 2 cones on that road during the night instead of just 1. Also supplied a Colvant number: 10002. Advised Fulton Hogan @ 6.03pm. tp Fulton Hogan
3639328	29-May-2014 01-Aug-2014	Roadings Correspondence	Marius reply: This guy is asking for stats on accidents on unsealed roads, he has a personal interest in that he doesn't want the roads graded. My only real stat is that I get more complaints about roads not graded than I do on roads where a person does not want the road graded. He rides a bike on Church road which is unsealed and can avoid potholes easier than cars thus the request to leave it smooth. Maybe Justin or Wil have the time to answer this request. Have reassigned to Wil.
3570941	23-Jan-2013 24-Jan-2013	Road Repairs- Potholes, NOT TO BE USED BY CSO	Hi, Wendy Parks of 965 Church Road, Kaitaia has phoned to advise that the intersection of Church Road is in desperate repairs as corrugations, ruts, potholes, big stones have come through. Wendy can be contacted on 09-406-7327. Please have a Contractor inspect and repair, thanks.
3539740	18-May-2012 25-May-2012	DO NOT USE - Roads- Metal - Maintenance - Potholes	NORTH Mrs Susan Panther, of 1109 Church Road, Kaitaia has come in to say that just down from Darren Foy place of 1425 Church Road there is part of the road left hand side going up Kainagroa end of Church Rd has slipped away, also the road is in urgent need of attention for grading and possibly metaling because of all the heavy rain. Could someone please investigate this matter
3524496	17-Jan-2012 03-Feb-2012	Roadings Correspondence	Dangerous Trees in Church Road Kaitaia
3522630	20-Dec-2011 10-Jan-2012	Roadings Miscellaneous - NOT TO BE USED BY CSO	Mr Robert Forrester of Church Road, previously came in requesting signage to warn motorists of the pending danger where the road quickly narrows, reducing to single lane, near the Puriri Block intersection between and at both ends of Puriri Blks Rd area and also near Mark Johnstone's 917 Church Road address. Some of the signs have since been damaged / removed and need repairing / replacing ASAP esp. where the sign that was attached to Mr Forresters fence post, as stock likely to get out now (he is unable to repair himself as he has just come out of hospital) The Puriri Road sign post was also down. He is also concerned about how to ensure drivers know to slow down esp, where the road narrows to a single lane. Many thanks Nina



RFS No.	Received Date	Request Type Description	Note Description
3522100	15-Dec-2011 23-Jan-2012	DO NOT USE - Roads- Metal - Maintenance - Potholes	Colin Park 965 Church Road Kaitaia ph 4067327, Kaingaroa, would like to meet with roading engineer at Church Road to discuss drainage from overland flow path, water is scouring across road and gouging out road. He has previously complained, a lady visited him at the site said that culverts would be installed, one was installed but this has improved things in the one spot only. He feels further culverts are required.
3507283	10-Aug-2011 22-Aug-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	Customer advising that on Church Road there are potholes and corigation between State Highway 1 and 10.
3503576	15-Jul-2011 19-Jul-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	Wendy Davies phoned in again re her previous RFS# 3501526 and said that there are still potholes and corrugation on most of Church Road, Kaingaroa. Can we please investigate and carry out maintenance. FYI - Contact Ph# 09 406 7327. Thanks. BJM
3502750	07-Jul-2011 08-Jul-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	North Mrs Bradshaw from 705 Church Road KTA has an ongoing issue with her road client advised there is a big drop from the tarseal to the metal not from from Donald road and church road intersection client would like to know if this can be fixed as it is wrecking her vehicle 09 408 2077
3492814	08-Apr-2011 15-Apr-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	Carol Johnson phoned to say that slip on Church Road has not been tended to since her husband Mark Johnson reported slip on 3 February 2011 (refer to RFS 3484918). Only one vehicle can pass that area and if matter is not tended to as soon as possible and slip worsens that no vehicles will be able to pass. Please investigate and sort matter as soon as possible.
3488343	02-Mar-2011 08-Mar-2011	DO NOT USE Roads - Sealed - Maintenance - Potholes	Caller phoned from Church Road between 232 and 246 has not been sealed but the rest of the road has been caller would like to no if this part of the road will be sealed, if not why not Estel 09 4080160
3486679	16-Feb-2011 04-Mar-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	North Mark Johnson from 917 Church Road KTA called to advised Church road is to narrow and hard to pass on coming logging trucks and buses client would like to be contacted to discuss can we please follow up 09 408 7171
3486413	15-Feb-2011 16-Feb-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	OTURU ROAD - KAITAIA- NORTH reported by Ian Bilby 4082550says last section of road where it joins Church Road is really badly corrugated says now dangerous for road users has been metalled recently but requires a deep grading thanks
3486533	15-Feb-2011 28-Feb-2011	DO NOT USE Roads - Sealed - Maintenance - Potholes	North Otururu to Church Road from SH 10 client advised the road is a very big mess and needs assistance can we please assist Wendy Davis 09 406 7327
3484918	03-Feb-2011 04-Feb-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	Slip on the road inside 917 Church Road it is becoming quite dangerous please can this be cleared there are also alot of logging trucks on the road and there are no signs warning the cars of the activity on road, Mark Johnson 4087171



RFS No.	Received Date	Request Type Description	Note Description
3481622	06-Jan-2011 15-Feb-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	<p>From: ask.us@fndc.govt.nz Sent: Thursday, 6 January 2011 2:03 p.m. To: 'zl1fc@xtra.co.nz' Cc: ask.us@fndc.govt.nz Subject: REF RFS 3481622 RSAR: Website Request For Service (RFS) from Owen Brott</p> <p>Good afternoon Owen Thank you for contacting us at the Far North District Council. I have lodged a Request for Service (number 3481622), which has been sent to our Roothing Department for action. We will notify you of the outcome of your request once a response has been received. Kind regards Sally Ask Us Customer Services Team</p> <hr/> <p>From: zl1fc@xtra.co.nz [mailto:zl1fc@xtra.co.nz] Sent: Wednesday, 5 January 2011 6:23 p.m. To: ask.us@fndc.govt.nz Subject: Website Request For Service (RFS) from Owen Brott</p> <p>A Request For Service (RFS) has been received from Owen Brott.</p> <p>The following request has been submitted:</p> <p>Location Details Location of issue: Extremely bad, dangerous corrugations in road for about the last 80mtrs of Oтуру Road, where it meets Church Road in Kaitaia Community area of district: Entire District Property address:</p> <p>Rate account number and/or property legal description:</p> <p>RFS number:</p> <p>Request Details Request type: Road Maintenance How can we help?: dangerous road</p>
	06-Jan-2011 15-Feb-2011	DO NOT USE - Roads- Metal - Maintenance - Potholes	<p>The client has called back to say that Fultong Hogan's crew came out and Graded Watereed and rolled Church Road but did not do the stretch of road that was requested which is about 300 metres from the work which took place. The client is not happy that this still has not happened as the road is in very bad condition and is dangerous to road users. He has asked for this to be done ASAP</p>



RFS No.	Received Date	Request Type Description	Note Description
	30-Nov-2010 07-Dec-2010	Roading Miscellaneous - NOT TO BE USED BY CSO	NORTH: Hi Robert can you please check this one out for me. Thanks Robert Albert Wilson, ph 4082977 and 4080670 has called to say that Fulton Hogan, chopped through tar sealing on about 170-16ish Church Road, Kaitaia end, repairs are continually being done on the same sections of road. Mr Wilson is not happy to see it being done so many times. he's done roading himself and says they are digging large holes, filling with rocks but not putting drainage material within, so jobs need redoing so often.
3475459	08-Nov-2010 08-Nov-2010	DO NOT USE - Roads- Metal - Maintenance - Potholes	Colin Park from 965 Church Road, RD 2, Kaitaia phoned in and advised that the suspension on his car may have been damaged due to a large ditch across the road, he said that he was driving 30km but it still shook the car up and says he will be charging Council for any damage to his car. The ditch is about 3km onto the loose metal from the end of the tarseal (coming from Kaitaia end of the road). He is wanting to know why there is no road signage warning of the ditch and there is no sign saying to drive at a lower speed rate. He is very upset and would like something put up please. FYI - Contact Ph# 09 4067327. Many thanks. BJM
3474343	28-Oct-2010 01-Nov-2010	Roading Miscellaneous - NOT TO BE USED BY CSO	After Hours 28/10/10, Ref# 85354, Edward Foster from 246 Church road, Kaitaia, Ph# 021 228-3119, Message: Slip between 232 and 246 Church Road, Kaitaia, has been cleared, is not blocking road however is very dusty and a nuisance to neighbouring homes. Caller advises the gravel being put on it is not helping at all, is not an emergency callout. Advise caller his query will be logged. rme.
3469351	13-Sep-2010 22-Sep-2010	DO NOT USE - Roads- Metal - Maintenance - Potholes	ah 12/09/2010 08.51 84120 Slip in between 232 and 246 Church Road Kaitaia getting alot worse. Transfield Roding advised of the situation 8.09am. nxe
3468985	08-Sep-2010 09-Sep-2010	DO NOT USE Roads - Sealed - Maintenance - Potholes	North Client advising Church road needs attention for Potholes also there is a slip by 998 Church Road needs attention can we please assist. Wendy Davis 09 406 7327
3454808	14-May-2010 17-May-2010	DO NOT USE Roads - Sealed - Maintenance - Potholes	North Tom 09 408 2873 called to advised From Church Road to Oturu Road needs meatl and sealing also Spains Road KTA needs grading can we please assist
3454808	14-May-2010 17-May-2010	DO NOT USE Roads - Sealed - Maintenance - Potholes	Metal has been laid were required on Church road, Spains road will be graded in next round.
3453999	10-May-2010 10-May-2010	DO NOT USE - Roads- Metal - Maintenance - Potholes	On Church Road Kaitaia from Rapid 1146 to 1159 there is a need for metal along this area due to the road being sludgy, there is no metal on the road at present.



RFS No.	Received Date	Request Type Description	Note Description
3425846	18-Aug-2009 19-Aug-2009	DO NOT USE Roads - Sealed - Maintenance - Potholes	Mr Waters ph 4080870 would like to request the repair of Matthews Avenue Kaitaia, large number of potholes from Church Road right through to Allen Bell Drive. He feels this is particularly dangerous for any cyclists using the road.
3418661	19-Jun-2009 06-Jul-2009	DO NOT USE - Roads- Metal - Maintenance - Potholes	On Church road at the Kaingaroa end there is several potholes for approx 2 1/2 km the road will need grading and metal as well.
3418002	12-Jun-2009 12-Jun-2009	DO NOT USE Roads - Sealed - Maintenance - Potholes	At church road Kaitaia there is a surface cover missing from the stormwater drain, near the school outside the Kaitaia Bowling club, pls investigate. very dangerous for school kids.
3416743	29-May-2009 03-Jun-2009	Roading Correspondence	<p>From: ask.us@fndc.govt.nz Sent: Wednesday, 3 June 2009 11:03 a.m. To: 'paul@northhire.co.nz' Cc: ask.us@fndc.govt.nz Subject: REF RFS 3416743 RSRR Website Request For Service (RFS) from paul stewart</p> <p>Good morning.</p> <p>I have received the following response from Robert Srhoj in the Roads and Stormwater Department:</p> <p>The Draft Long Term Community Council Plan (LTCCP) indicates the seal extension programme that Council proposes to implement over the next three years. It does not include Church Road because sealing it is not seen as a priority at this time.</p> <p>By way of explanation, Council relies heavily on funding assistance from central government through the National Land Transport Fund to pay improvements, such as seal extensions, as well as maintenance on its road network. Improvement projects for which funding assistance is sought are prioritised on the basis of seriousness and urgency, effectiveness and efficiency against other improvement projects from across New Zealand. The efficiency of the project, measured by its benefit / cost ratio, is the most influential of the three criteria used for prioritising projects. Because of the relatively low volume of traffic using Church Road it is very unlikely that a project to seal it will have a sufficiently high priority to qualify for funding assistance.</p> <p>A small part of the seal extension programme shown in Council's Draft LTCCP is not dependant on funding assistance. The types of projects in this part of the programme are seal extensions mostly on urban streets or outside public facilities such as community halls and marae. These are also prioritised, mainly on the basis of greatest benefit.</p> <p>I trust this explains why sealing Church Road has not been proposed in the Draft LTCCP. I would also add that the adverse economic climate is putting</p>



RFS No.	Received Date	Request Type Description	Note Description
			<p>pressure on the availability of Council's income from rates as well as from funding assistance and there is currently a good deal of uncertainty as to whether or not even the seal extension programme shown in the Draft LTCCP can be completed over the next three years.</p> <p>Kind Regards Anja</p>
3414350	06-May-2009 07-May-2009	DO NOT USE - Roads- Metal - Maintenance - Potholes	Andrew Foster calling to advise that the grader has been through to do some work on Church road, he advises that the guy driving the grader is a digger driver not a grader driver and feels that the work that was done was absolutely useless, the metal was moved around not cutting the base and removing corrugation, waste of rate payers money, please have corrugation removed and the job done properly, the area he is talking about is the middle part of the road.
3401574	16-Dec-2008 23-Dec-2008	DO NOT USE Roads - Sealed - Maintenance - Potholes	North Caller has advised that Church Road from the Kaingaroa side Kaitaia the road is a mess it has bad corrugation ripples and potholes and Rutts please investigate.
3394699	06-Oct-2008 10-Oct-2008	DO NOT USE - Roads- Metal - Maintenance - Potholes	Ah 64733 04/10/08 10:12 Caller wanting to advise Church Road and Peria Block Road the Road is potentially dangerous and needs to be dealt with.pdh
3390437	25-Aug-2008 10-Sep-2008	DO NOT USE - Roads- Metal - Maintenance - Potholes	On Church road, the middle part of the road requires a grader as it has potholes and requires metalling, the grader does both ends of the road but does not do the middle part of the road.
3378815	07-May-2008 13-May-2008	DO NOT USE - Roads- Metal - Maintenance - Potholes	Caller advises that near 1220 Church Road (2 areas between St Hwy 10 and up Church Road approx 2-3 kms ...recent rains have caused severe damage to the road surface/water table.. Please check and repair as he says it is dangerous
3372313	13-Feb-2008 15-Feb-2008	DO NOT USE - Roads- Metal - Maintenance - Potholes	Puri block right thru to Kaingaroa - Church road, Kaitaia needs grading and metalling. customer states that the road has only been graded once. please investigate. Customer is not happy with the timeframe that it has taken to get this request actioned. Andrew Foster - 094067755
3350094	20-Mar-2007 05-Apr-2007	DO NOT USE - Roads- Metal - Maintenance - Potholes	Peter Beaven said that the northern end of Church Road is in shocking state and needs attention asap. he said it's very corrugated and needs a very good cut back, not just a grade.
3346723	22-Jan-2007 28-Feb-2007	DO NOT USE Roads - Sealed - Maintenance - Potholes	Fulton Hogan do not maintain this road way to the bowling club. This is not actually on Okahu Road, it is located on Church Road. Please close.
3337531	17-Aug-2006 11-Sep-	DO NOT USE - Roads- Metal - Maintenance -	Due to rally held in July, Church Road, Kaingaroa is atrocious, and many potholes need fixing.



RFS No.	Received Date	Request Type Description	Note Description
	2006	Potholes	
3337537	17-Aug-2006 23-Aug-2006	DO NOT USE - Roads- Metal - Maintenance - Potholes	Rally held in July left Church Road, Kaingaroa in atrocious condition. Potholes need fixing
3328772	28-Feb-2006 13-Mar-2006	DO NOT USE - Roads- Metal - Maintenance - Potholes	Advises there is about a 30m stretch of Church Road that is down to bare earth - no metal at all.
3324613	21-Nov-2005 06-Dec-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Susan Panther - Church Road RD 2 KAITAIA Phone 09 408 7151. Reports that there are 3 very large potholes plus other holes on Church Road on the Kaingaroa end near McKinnons Hill or on this Hill. When you drive on this road you have to drive on the other side to avoid the holes. There is also concern that the school bus carrying the school children could be a safety issue. Would someone please investigate this area and repair as soon as possible. Thank you,
3324553	18-Nov-2005 13-Dec-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Robert Wilson 09 408 2977 Church Road advises that Kai Iwi off Larmers Road on the left before Bellingham Quarries Kaitaia Awaroa Road needs grading. There are ruts and corrugations that are quite deep and need filling. Please investigate and grade as soon as possible.
3318637	08-Jul-2005 22-Jul-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Damage to road 20mts back from 857 Church Road, Kaitaia. Colvert is falling away and road may be collapsing.
3314219	12-Apr-2005 05-May-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Gladys Hassan (4067388) rptd that Church Road (especially State Hwy 10 end) badly needs grading. Please advise.
3313940	08-Apr-2005 22-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Snelgar Road, Clough Road and Church Road are all badly corrugated and need maintenance badly - please attend to asap
3313782	06-Apr-2005 28-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Church road,Kaitaia - very rough, hardly any metal, very bumpb needs to be graded
171224	18-Mar-2005 28-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Church Road is in needed grading from main road to at lease 468 Church Road which is Craigs place
154099	24-Feb-2004 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Left on a How to Improve Service From Cncl Card Church Road needs a grader, metal and digger for proper drains. There are corrugations



RFS No.	Received Date	Request Type Description	Note Description
153290	10-Feb-2004 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	MR MCKINNON ANGRY THE METAL ROAD AT CHURCH ROAD NEEDS MAINTAINING, UPGRADING REGULARLY. THE DRAINS ARE NON EXISTANT. WASHOUT ALSO OVER 1FT X 1MTR WIDE.PLSE C MORE
153631	09-Feb-2004 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Sue complaining about the state of Church Road. No wat er tables, full of pot holes. needs maintenance and on place that is worst is McKinnon's Hill where there is
153156	09-Feb-2004 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Sue complaining about the state of Church Road. No wat er tables, full of pot holes. needs maintenance and on place that is worst is McKinnon's Hill where there is
153156	09-Feb-2004 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	G General - other than S,R,or C Brenda Thompson 09 406 7768 is also complaining about the state of Church Road in exactly the same place as Sue Panther and confirms that the two way road is also down to almost one way. Is concerned re safety.
153156	09-Feb-2004 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	G General - other than S,R,or C telephoned Sue and advised Programme. Sue still insists Church Road needs to be visited by an engineer there are numerous slips that have never been attended to (e.g. outside Mark Johnsons place and 1 4 km from beginning of church Road since last winter and fresh slips have occurred. Sue is happy to be present i f advised Wk 408 1450 or at home. Please investigate further.
144068	31-Jul-2003 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Colin reports 3 slips on church road near his place out side rapid no 965 chrch rd Kaingaroa Kaitaia Plse see over for detailed events. Thanks
141991	20-May-2003 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CHURCH ROAD NEEDS A GRADE SINCE THE LAST HEAVY RAINFALL PLS CHECK FURTHER AS ROAD IS DIFFICULT TO DRIVE ON AS PER SUE PANTHER.
138737	13-Mar-2003 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	REPORTED THAT THE WHOLE OF CHURCH ROAD REQUIRES GRADING AND METALLING - AS IT IS VERY CORROGATED. THANKS
138452	05-Mar-2003 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	REPORTED THAT THE WHOLE OF CHURCH ROAD REQUIRES GRADING AND METALLING - AS IT IS VERY CORROGATED. THANKS
135848	07-Jan-2003 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	1.1/2 KM'S DOWN CHURCH ROAD NEEDS TO BE METALLED & IN FRONT OF HER HOUSE.
131941	19-Sep-2002 01-Apr-	DO NOT USE - Roads- Metal - Maintenance -	Church Road needs maintenance - grading and metal. Please investigate. Thanks, Heidi.



RFS No.	Received Date	Request Type Description	Note Description
	2005	Potholes	
131463	09-Sep-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CUSTOMER PHONED COMPLAINING ABOUT CHURCH ROAD REPAIRS ADVISING THAT ROAD HAS NOT BEEN GRADED, HOWEVER HAS 85% METAL-RESULTING IN POTHoles BECOMING DEEPER.NINA
131463	09-Sep-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	G General - other than S,R,or C Hi Nina, Bill Whitehorn inspected site and reports as follows. The road does n ot need grading. No section of Church Road failed the specification requiremen t regarding the number of potholes. Road rated as being in good condition. N o further action required. Please close off this RFS. Thanks :)
131463	09-Sep-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	RA Reactivate RFS Record RANG MR MACDONALD - HE SAID THE GRADER DID NOT GRADE ALL OF CHURCH ROAD. THE AREA FROM STATE HIGHWAY 10 TO NEIL PANTHERS PLACE IS REALLY BAD HE SAID - CAN THIS PLEASE BE DEALT WITH -ALSO VERY HIT AND MISS IN AREAS OF THE REST OF THE ROAD - THANKS
130707	20-Aug-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	PLEASE CAN CHURCH ROAD HAVE SOME MAINTENANCE WORK DONE. NEEDS METAL AND GRADING. THANKS, HEIDI.
128763	09-Jul-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Church Road and Puriri Block Road need potholes filled and metal put on please. Thanks, Heidi.
127733	20-Jun-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	G General - other than S,R,or C GREG PHONED BACK TO ADVISE THERE WAS SOME METAL PUT DOWN, BUT NOT ENOUGH. PLEASE CAN THE WHOLE ROAD BE METALLED AND GRADED (PURIRI BLOCK ROAD AND CHURCH ROAD). THANKS, HEIDI.
127194	11-Jun-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	church road badly potholed, needs early grading. Please maintain.
125558	01-May-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	C Customer Contact-Completes RFS PHONED MR MACDONALD WHO SAID THANKS FOR THE SPRAYING - WAS WONDERING ABOUT THE GRADING HE ALSO ASKED FOR? STATES HE HAS BROKEN 7 VERTEBRAE IN HIS BACK AND IS LUCKY TO BE WALKING BUT FINDS THE POTHoles IN THE ROAD REALLY BAD. CAN ROAD BE GRADED ESPECIALLY IN THE AREA OF CHURCH ROAD WHERE DONALD ROAD GOES INTO I T AND UP TO CALIFORNIA HILL - THANKS
124699	08-Apr-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CLIENT HAS REPORTED THAT CHURCH ROAD FROM THE END OF THE TAR SEAL TO AT LEAST THE RIDING FOR THE DISABLED PREMISES REQUIRES METAL AS IT IS DOWN TO MUD IN PLACES
124734	08-Apr-2002 01-Apr-	DO NOT USE - Roads- Metal - Maintenance -	G General - other than S,R,or C MR HILL PHONED TO ADVISE CHURCH ROAD NEEDS URGENT MAINTENANCE. CAN'T GET TO CHURCH ON THEIR CARS. IT IS ROAD OFF WAIRAHORAH ROAD. NEEDS URGENT ATTENTION.

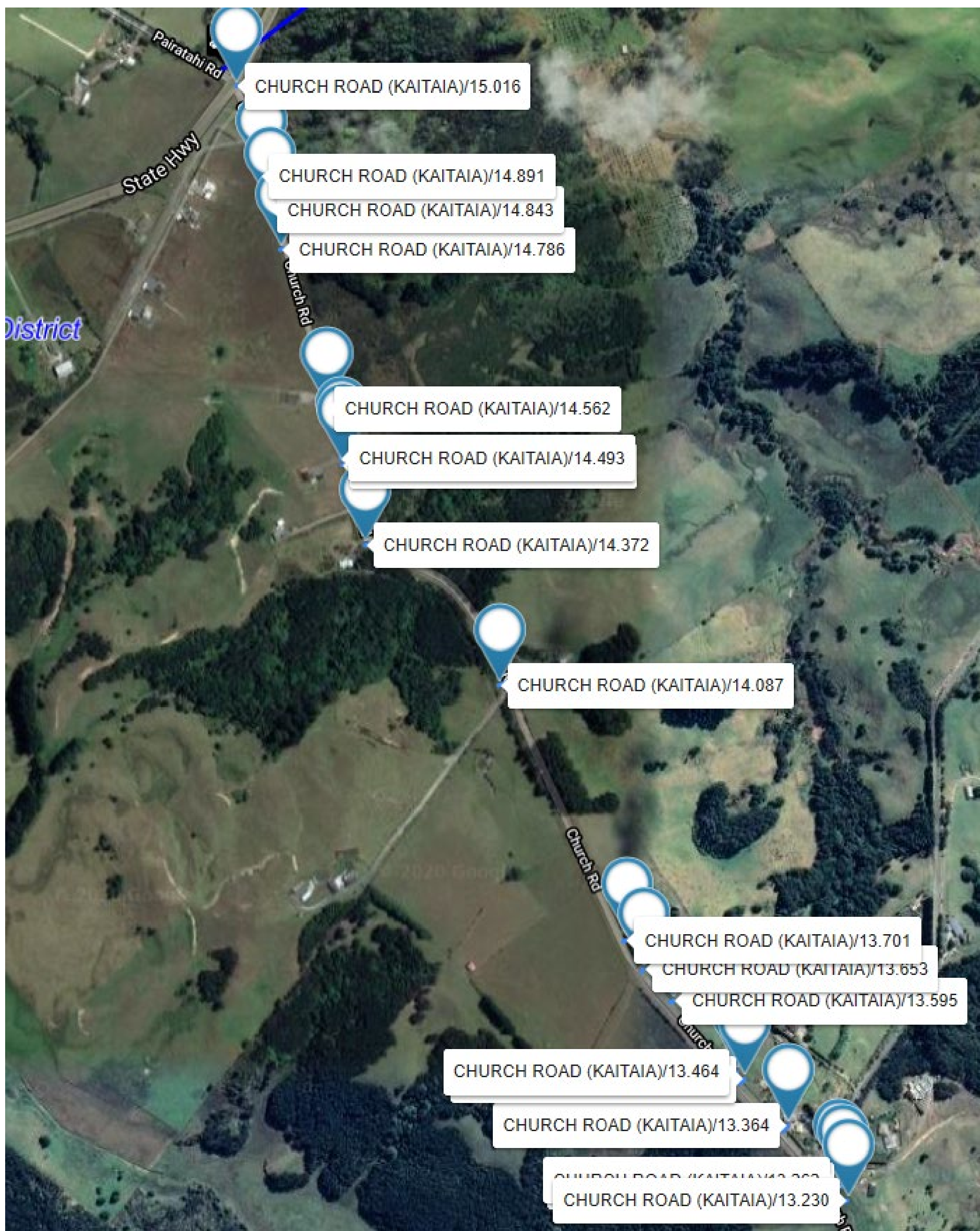


RFS No.	Received Date	Request Type Description	Note Description
	2005	Potholes	
122495	05-Feb-2002 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	RA Reactivate RFS Record MRS PANTHER ADVISED 4KMS UP FROM KAINGAROA END OF CHURCH ROAD THERE ARE STILL MUD PATCHES WHERE MAINTENANCE NEEDS TO BE DONE. COULD YOU LOOK INTO THIS PLEASE. THANKS TASH.
119038	19-Nov-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CHURCH ROAD NEEDS GRADING. ALOT OF POTHLES AND WASHOUT DUE TO RAIN. COULD YOU PLEASE LOOK INTO THIS. THANKS TASH.
119017	16-Nov-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	C Customer Contact-Completes RFS SPOKE TO JOHN AND HE SAID A REALLY GOOD JOB HAD BEEN DONE ON CHURCH ROAD'
118499	06-Nov-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	ON CHURCH ROAD NORTHERN END FROM STATE HIGHWAY 10 TO OTURU ROAD WATER CROSSFLOWING LEAVING POT HOLES ALL OVER THE ROAD. PLEASE COULD YOU CHECK THIS OUT.
114624	20-Jul-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Church road needs metal and grading please.
113089	24-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Road is badly corrugated though it has been recently graded - needs metal. Church Road - Kaitia end.
113000	22-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	Wants Church Road graded from the Primary School end potholes are large and getting dangerous
112868	18-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	S Send - Starts Stage 1 Would like Church Road graded from primary school end up to the small sealed section and beyond. Has dangerous potholes.
112894	18-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CHURCH ROAD BADLY CORRUGATED AND POTHOLED NEEDS GRADING AND METALLING
112835	17-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	REPORTED THAT CHURCH ROAD & OTURU ROAD REQUIRE GRADING METALLING AND ROLLING OF THE METAL PLEASE -
112835	17-May-2001 01-Apr-	DO NOT USE - Roads- Metal - Maintenance -	S Send - Starts Stage 1 ALSO MRS BONNEY SAID THAT APPROX 1 KM OR SO PAST PURIRI BLOCK TURN OFF ON CHURCH ROAD THAT THE ROAD HAS SUNK AND MAY REQUIRE SOME MAINTENANCE IN THAT PARTICULAR AREA



RFS No.	Received Date	Request Type Description	Note Description
	2005	Potholes	- PLEASE ALSO CHECK THIS OUT TOO. THANKS
112835	17-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	G General - other than S,R,or C RANG CUSTOMER - SAID THAT OTURU ROAD HAS BEEN DONE - HOWEVER CHURCH ROAD HAS NOT BEEN TOUCHED AS YET - CAN YOU PLEASE LOOK INTO THIS - THANKS WILL NOT CLOSE OFF AT THIS TIME
112835	17-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	G General - other than S,R,or C SORRY TO HAVE TO SAY THIS - RANG THE CUSTOMER AND HE SAID ONLY THE POTHOLES HAVE BEEN FILLED - NO GRADING DONE - SAID NEEDS GRADING AND METALLING FROM OTURU/DONALDS ROAD TURN OFF INTO CHURCH ROAD TO END OF ROAD KAINGAROA END THANKS
112269	04-May-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	MAINTENANCE NEEDED ON CHURCH ROAD. VERY SLIPPERY WITH MUD ESPECIALLY ON STEEP HILL. VEGETATION ALSO ENCROACHING AND EFFECTING VISIBILITY ON CORNERS.
110099	20-Feb-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CHURCH ROAD IS VERY DANGEROUS AND DOWN TO CLAY IN LOTS OF PLACES - SCHOOL BUS DRIVER HAS REPORTED THAT IT IS NOT SAFE TO DRIVE A BUS BACK UP THERE TODAY
110122	20-Feb-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CAN CHURCH ROAD HAVE SOME METAL PUT ON IT PLEASE. AND A GRADE - IT IS VERY MUSHY. AND CARS ARE FINDING IT HARD GOING TO TRAVEL ON IT.
110027	19-Feb-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	REPORTED THAT CHURCH ROAD IS A SEA OF MUD & CLAY FULL OF CORROGATION - REQUIRES METALLING AND THE METAL ROLLED IN PLEASE - ALSO A GRADE
109984	16-Feb-2001 01-Apr-2005	DO NOT USE - Roads- Metal - Maintenance - Potholes	CHURCH ROAD REQUIRES MAINT. CLAY COMING THROUGH. NEEDS METAL. BAD CORRUGATIONS AND POTHOLES. PLEASE METAL AND GRADE

Appendix 3 – Map of the Route, Potential Mitigation Length and House Locations



Church Road – RP 13,080 to RP 15,017 (SH10) – 1.94km

**Appendix 4 - Dust Assessment using the NZTA General Circular Investment:
No 16/04**



Church Road (RP 13,080 -15,0.17) Dust Risk Assessment (from NZTA General Circular Investment: No 16/04):

Traffic

- 5 Day AADT = 185 vpd (count date 28/09/2019)
- HCV% = 33%
- 5 Day HCV AADT = 61 HCV/day
- 5 Day LDV AADT = 124 LDV/day

Receptors

- Houses = 12 houses within 80m of road over 1.94km or 6.2 houses per km.

Site Characteristics

- Some land features likely to slow wind.
- Rainfall – less than one event every two weeks.
- Longevity – is a minor logging route but the bulk of the HCVs are from other sources (e.g. agriculture etc.) so longer than 3 years.

Site Dust Risk Factors and Scores

Risk factor/score	0	1	2	3	4	5
Traffic						
5 day AADT of HCVs	0	1-5	6-10	11-25	26-50	More than 50
Speed limit of HCVs (km/h)	No HCVs	20 km/hr	50 km/h or greater			
5 day AADT of LDVs	Less than 100	101-300	More than 300			
Speed of LDVs (km/h)	Less than 50	50-70	Greater than 70			
Receptors (within 80m of roadway)						
Number of dwellings (houses/km)	0	1	2-4	5-7	8-10	More than 10
Other locations where people are likely to be exposed. (e.g. schools, marae, or hospitals) (sensitive locations/km)	None	1-2	3 or more			
Ecologically sensitive areas such as rare species habitats or wetlands (sensitive locations/km)	None	1-2	3 or more			
Horticultural sensitive areas such as fruit orchards (sensitive locations/km)	None	1-2	3 or more			
Site characteristics						
Location of roadway	Open plains or coastal area	Some land features likely to slow winds	Inland enclosed valley			
Frequency of rain days (>5mm)	More than 2 events per week	0-1 events per week	Less than one event every two weeks			
Longevity of logging route use	Not a logging route	1-2 years	Longer than 3 years			

Total Dust Risk Score = **18**

Dust Risk Category and Action to be Taken

Total dust risk score	Dust risk category	Potential benefit from dust mitigation	Action to be taken
0 to 9	Low	Little or no benefit from mitigation.	End of decision-making process.
10 to 19	Medium	There may some benefit from mitigation.	Return to and repeat the 'Site dust risk factors and scores' with refined site- specific information.
20 to 28	High	There is likely to be a benefit from mitigation.	Complete assessment of suitable mitigation options.

Based on a score of **18** the site has a Dust Risk Category of Medium/High.

This requires a return and repeat of the 'Site Dust Risk Factors and Scores' with refined site-specific information. However, NZTA Research Report 590 *Impacts of exposure to dust from unsealed roads* [April 2017] provides further guidance of this and recommends that an assessment can be undertaken to compare the site specific information

of the site under consideration to that of the site that was monitored in the research report, namely Mataraua Road in the Far North District:

Section 7.3 Medium dust risk:

'A more detailed site-specific assessment of the dust risk would consider how the site being assessed for dust risk differs from (or is similar to) Mataraua Road. Given this comparison the site dust risk score can be re-assessed and move into either the high- or low-risk category. If after the refined assessment, the site dust risk moves into the high-risk or remains in the medium-risk category it is recommended the high dust risk route in the assessment pathway be taken'

This is the approach we have adopted as we cannot further refine the factors in the Site Dust Risk Factors and Score Table.

A comparison has also been undertaken with Pipiwai Road which is the site assessed in the April 2019 report *Health Impacts of PM₁₀ from Unsealed Roads in Northland* (Emission Impossible Ltd) prepared for the Ministry of Health.

Site specific comparison to Mataraua Road and Pipiwai Road sites

Site	Houses per km	AADT – all vehicles	AADT - Trucks	No. Days > PM ₁₀ NES	Dust Risk Score	Notes
Pipiwai Road		117	32	27 (7%)	18	One exceedance of the 24-hour NES for PM ₁₀ is permitted within any 12-month period
Mataraua Road (NZTA Circular 590)	8-10	>300	>50		20	Dust Risk Score adjusted to exclude score of 2 for 'Nuisance effects for residents (complaints/year)'
Church Road	6	185	61		18	Dust Risk Score adjusted to include score of 2 for 'Longevity'

Key conclusions of the *Health Impacts of PM₁₀ from Unsealed Roads in Northland* (Emission Impossible Ltd) report regarding PM₁₀ exposure are:

- The monitoring recorded 27 exceedances of the 24-hour NES for PM₁₀ (one exceedance is permitted within any 12-month period).
- Rainfall measured during the monitoring period suggests that the Pipiwai dataset may not represent worst-case conditions for dust generation.
- Overall, the monitoring at Pipiwai Road suggests that there is a significant risk of exceedance of PM₁₀ NES near unsealed roads with more than 40 trucks per day.
- It should be noted that this threshold is based on **PEAK** daily traffic, not annual average daily traffic. For example, over the monitoring period at Pipiwai Road, the annual average daily traffic for trucks was 32. However, over the same time period there were 101 days with more than 40 trucks per day and there were 27 exceedances of the PM₁₀ NES.
- The findings at Pipiwai are consistent with the results of previous monitoring of PM₁₀ near unsealed roads in New Zealand, which has also revealed multiple exceedances of health-based air quality criteria (Northland Regional Council, 2013, Watercare Laboratory Services, 2016, Bluett *et al.*, 2016).

NZTA Research Report 590 *Impacts of exposure to dust from unsealed roads* [April 2017] states that:

'If after the refined assessment, the site dust risk moves into the high-risk or remains in the medium-risk category it is recommended the high dust risk route in the assessment pathway be taken'

Church Road has an ADT of 61 trucks per day. This well exceeds the Phippai Road ADT of 32 trucks per day that resulted in 27 exceedances of the PM₁₀ NES. It is therefore highly likely that there would be a significant number of days on Church Road with exceedances of the PM₁₀ NES. This strongly supports the recommendation that dust mitigation is required to protect the health of the adjacent residents.

High Dust Risk Score Process

Table 7.3 Assessment criteria for defining suitable dust mitigation options

Mitigation option	Permitted or discretionary activity under the relevant regional resource management plan	Suitable traffic volume	Longevity of the dust mitigation option	Rainfall frequency and intensity
Sealing the road	Yes ✓	High – unlimited ✓	10+ years ✓	✓
Magnesium chloride	To be confirmed ✓	Medium ~250 AADT ✓	Medium – three to four months ✓	Duration of effectiveness is reduced in high rainfall areas. Roadway can become slippery. ✓
Lignin sulphate	To be confirmed	Light <100 AADT ✗	Short – requires frequent refreshing	Duration of effectiveness is reduced in high rainfall areas.
Synthetic polymer emulsions	To be confirmed	Light <100 AADT ✗	Short – requires frequent refreshing	Duration of effectiveness is reduced in high rainfall areas.

On the basis of this assessment, only two options are considered feasible as follows:

- Sealing the road; and
- Dust suppression using Magnesium Chloride.

The Lignin Sulphate and Synthetic Polymer Emulsions dust suppression options have not been considered further due to being unsuitable given the traffic volumes on the site.



Far North
District Council

Appendix 5 – Traffic Count Data

Classification Count

CHURCH ROAD (KAITAIA)		SH 10			Site:	1.0109										
All Lanes		9/28/2019	-	10/4/2019												
Vehicle Class		V. SHORT	Short	Car Towing	Medium			LONG 3 TO 7 AXLE TRUCKS				VERY LONG TRUCKS			Un	
		< 2m	2 - 5.5m		5.5 - 11m			11 - 17m				>17m			Classified	24 Hour
Date	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	15	
9/30/2019	Mon	4	109	5	19	20	1	19	0	0	0	0	0	0	0	177
10/1/2019	Tue	2	128	2	27	17	0	7	1	0	0	0	0	0	0	184
10/2/2019	Wed	2	138	5	21	13	2	2	1	0	0	0	0	0	0	184
10/3/2019	Thu	0	117	8	30	15	1	4	3	0	0	0	0	0	0	178
10/4/2019	Fri	3	118	9	22	16	0	6	0	0	0	0	0	0	0	174
9/28/2019	Sat	5	94	6	29	37	1	27	5	0	2	0	0	0	0	206
9/29/2019	Sun	15	93	5	25	29	0	19	3	0	0	0	0	0	0	189
SUMMARY																
5 Day Ave		2	122	6	24	16	1	8	1	0	0	0	0	0	0	179
7 Day Ave		4	114	6	25	21	1	12	2	0	0	0	0	0	0	185
% of Total		2.40%	61.69%	3.10%	13.39%	11.38%	0.39%	6.50%	1.01%	0.00%	0.15%	0.00%	0.00%	0.00%	0.00%	100.00%
			LCVs	67%										33%	HCVs	
				124										61		



HCV Peak Distribution

Peak Hours	All Lanes																				
	Day																				
	Monday			Tuesday			Wednesday			Thursday			Friday			Saturday			Sunday		
	9/30/2019			10/1/2019			10/2/2019			10/3/2019			10/4/2019			9/28/2019			9/29/2019		
Hour End	Class 1 - 3	Class 4 - 13	Un classified	Class 1 - 3	Class 4 - 13	Un classified	Class 1 - 3	Class 4 - 13	Un classified	Class 1 - 3	Class 4 - 13	Un classified	Class 1 - 3	Class 4 - 13	Un classified	Class 1 - 3	Class 4 - 13	Un classified	Class 1 - 3	Class 4 - 13	Un classified
6-7	7	1	0	5	2	0	4	1	0	7	1	0	5	0	0	2	0	0	1	1	0
7-8	6	5	0	10	8	0	9	3	0	11	1	0	12	3	0	1	1	0	1	1	0
8-9	8	2	0	10	9	0	6	2	0	9	5	0	8	5	0	3	0	0	4	2	0
9-10	6	3	0	8	2	0	8	2	0	9	6	0	6	2	0	8	2	0	8	2	0
11-12	5	3	0	8	2	0	16	2	0	5	1	0	11	5	0	9	2	0	5	0	0
12-13	6	1	0	9	7	0	11	1	0	6	1	0	13	6	0	9	7	0	20	5	0
13-14	12	1	0	6	2	0	16	3	0	11	0	0	7	1	0	8	3	0	4	6	0
15-16	3	0	0	7	1	0	7	0	0	10	3	0	8	4	0	4	23	0	8	4	0
16-17	12	2	0	12	2	0	11	1	0	15	5	0	10	1	0	7	0	0	5	1	0
17-18	18	31	0	16	3	0	18	9	0	13	5	0	14	5	0	7	19	0	3	5	0
18-19	7	1	0	6	3	0	7	7	0	5	3	0	6	2	0	13	24	0	24	29	0
24 Hour	118	59	0	132	52	0	145	39	0	125	53	0	130	44	0	105	101	0	113	76	0