

Hi everyone,
I'm Remy, I'm from Fulton Hogan Canterbury, and I'm the Contracts Admin for our electrical department.
Thank you for the opportunity to be here and speak to you all today as a silver sponsor for SNUG 2026

What have we been up too?

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It’s been a couple years since FH spoke at SNUG, our dept manager Philip is usually the one to be here but he’s away so I’m filling in.
so I’d like to present some of the work FH Electrical has done over the last 2 years



FH have a team of more than 7,800 people across NZ and Aus, and our people are at the heart of everything we do – which means their safety working on, and maintaining our roads, plant and networks has remained a top priority.

In July 2024, FH replaced our standard orange safety clothing to bright-yellow high-vis as part of our health and safety strategy Living Safely 2.0. The purpose of this was to differentiate our people from the sea of orange cones and signs in our worksites, making them more visible to road users.

Safety Moment – Yellow Hi-Vis

See video – use link on SNUG website (FH video 1)

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Electrical Install – Roydon Quarry, Christchurch

Click video link below on the SNUG website (FH video 2)

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FH Electrical department core works is ITS & Traffic Signals Maintenance and infrastructure upgrades, but we're also involved in distribution and industrial electrical work.

March last year, FH opened Roydon Quarry, just outside of Christchurch – NZs largest capacity alluvial quarry. Our electrical team was heavily involved during the install, with our electricians splitting off to complete the electrical at Roydon, while the rest continued working in Traffic Signals. The electrical install involved 3,338 hours of electrical team alone



In May, FH wrapped up the major upgrade of Halswell Road in Christchurch for NZTA – delivering the full programme of works 5 months ahead of schedule!

For our electrical department, this work included
TS upgrades at two existing intersections of Dunbars/Halswell and Augustine/Monsaraz

4 new TS installs at Tankerville Road, Rowley Ave, Warren Crescent and Adianfield Drive

9 new ITS cabinets and CCTV sites

52 traffic signal poles

132 new street lights

As well as the project team delivering 6000m of ducting/trenching for utilities

NZTA's SH75 Halswell Road Improvements Project was part of the Roads of

Regional Significance programme, one of the largest NZTA programmes being delivered by the region - over the past 25 months, approximately 984 people have been inducted onto the site, contributing around 275,000 work hours to safely deliver the project.

Crossing Relocation – Brougham St Bridge Install

To view video, click link to video below (FH video 4)

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In October last year, we kicked off construction of the Brougham St Bridge Install – this is a new High Truss walking and cycling bridge between Collins St and Simeon St, removing the existing signalized crossing, and separating the approximate 1200 daily pedestrians and cyclists from one of Christchurch's busiest corridors.

Our scope of works for the traffic signals involved relocating poles, removing CM mast arms and moving the controller cabinet to its new location at the crossing to make way for work site to be established and the piles of the bridge to be constructed.

By June this year, the truss was lowered into position with two 250 tonne cranes

Traffic Signals & Over Head Mastarms – Ajax St House Relocation



June last year we were involved in a highly publicized event of the relocation of a 140 year old villa in Burwood, 1.2km down to its new permanent location.

In our line of work, we know that house moving companies aren't always kind to traffic signals – and we often get the call to straighten OH mast arms, or repair OH lanterns, or do the bolts up correctly on hinge poles.

So this was a great opportunity for FH to deploy our skillsets in working in traffic signals.

There were many stakeholders involved, and we were presented with some unique challenges:

The homeowner had engaged with another Traffic Signal company to temporarily remove some poles at one intersection to make way for the truck and trailer, and that company ceased operation

The house moving company that was initially moving the house, the owner and ops managers wife sadly lost her battle to cancer right before the move – so they

had to pull out of the job and a new company step in

The controller cabinet at the intersection of Averill and North parade had been upgraded from the old beige PSC controller cabinet since the job was initially scoped, so instead of the truck trailer having enough clearance to pass over the cabinet, this now had to be removed with the poles.

We had to pivot and deploy TM for the week leading up to the house move at Averill/North Parade, so that the controller cabinet, 2 poles and a streetlight could be taken down, while maintaining adequate Ped protection to the school located at this site

Despite our best efforts, we weren't able to utilize our traffic management plan for accessing the mast arms as this wasn't feasible for the client, so we had to operate under the house movers TTM

This job was being filmed by Moving Houses on TVNZ, and social media was already buzzing and expected many people to turn out on the night to watch

Traffic Signals & Over Head Mastarms – Ajax St House Relocation

To watch view, click link below on SNUG website (FH video 5)

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On the freezing cold night of the house move, our electricians using our EWP, and FH's Hiab operator to move ahead of the house trailer to:
supply power to one intersection so the Lines company could disconnect the OH power lines and keep the signals running

unbolt and swing two OH mast arms and lower a hinge pole with 2x 6asp lanterns, then get these back into place once the house passed through

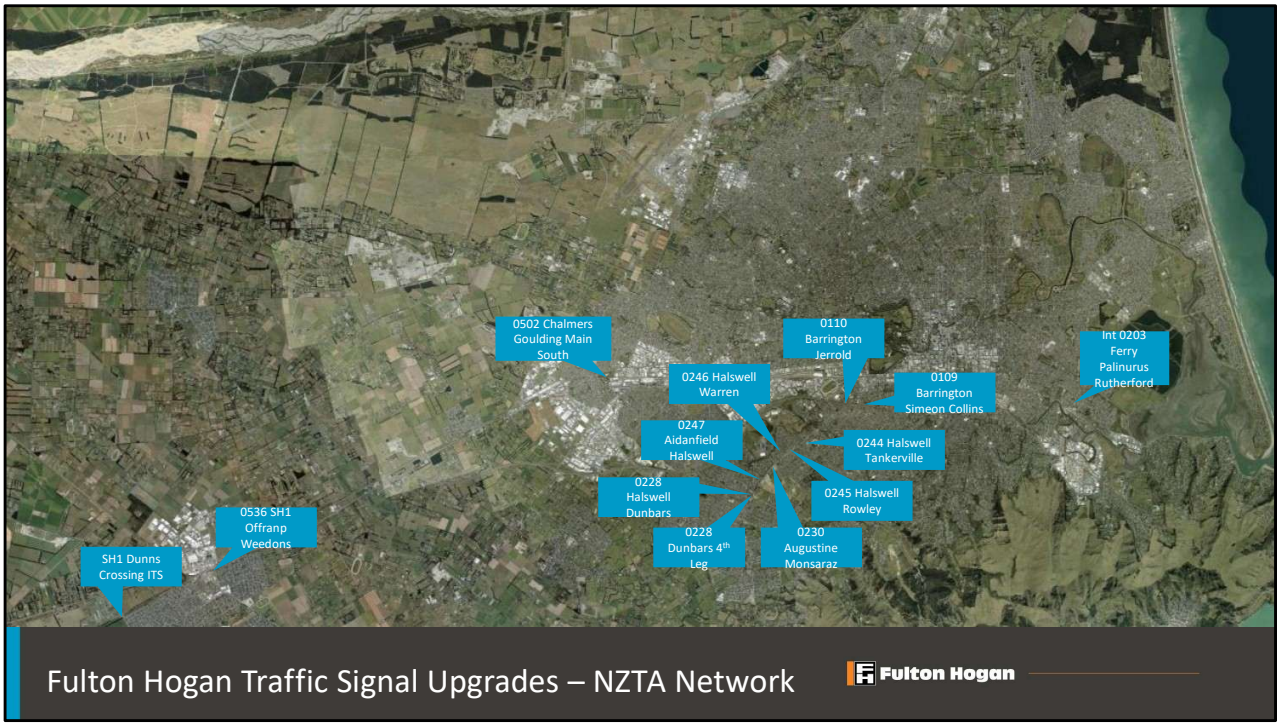
Unbolt and swing *another* OH mast arm at a crossing further down the road and reinstate its position.



ITS & Traffic Signals

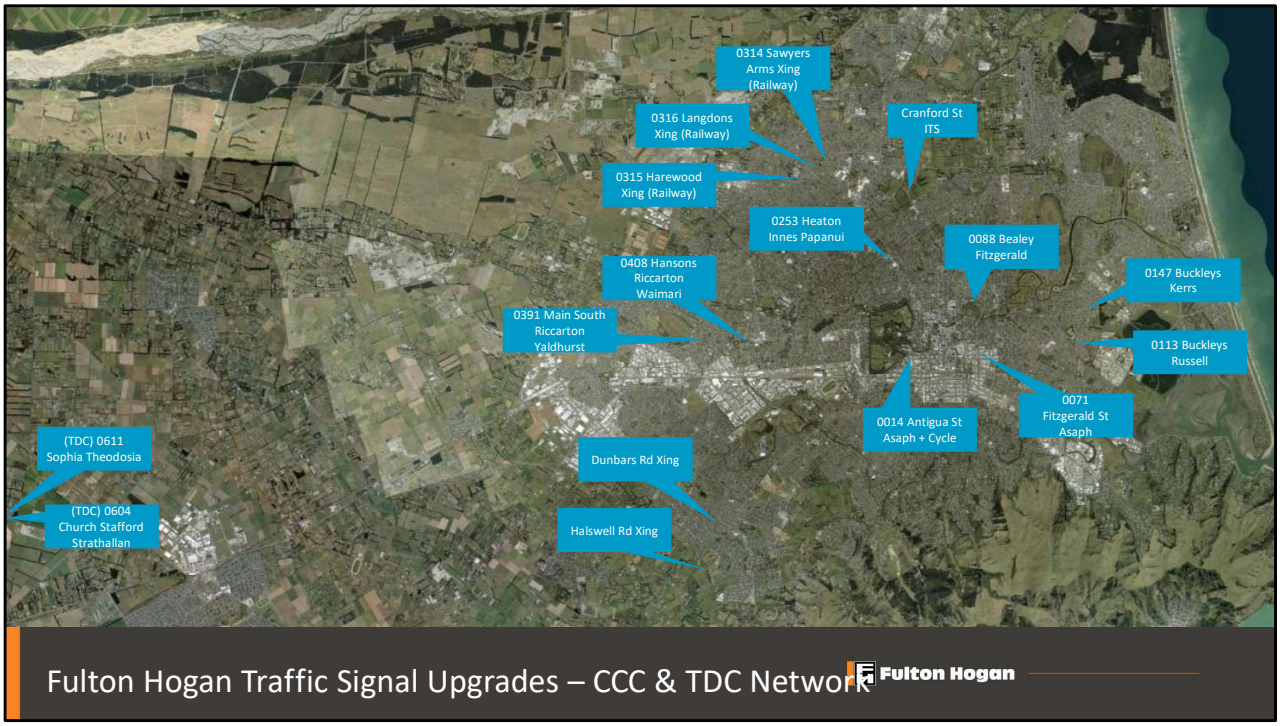
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Moving on to ITS and Traffic Signals – here's a snip of a new cabinet install at the intersection upgrade of Brougham Opawa that we had wrapped



This is an overview of some of the TS and ITS installs and upgrades our Electrical Dept has done over the last year and a bit

We've also be a part of the ITSN network transformations, and we've transformed a couple dozen sites now

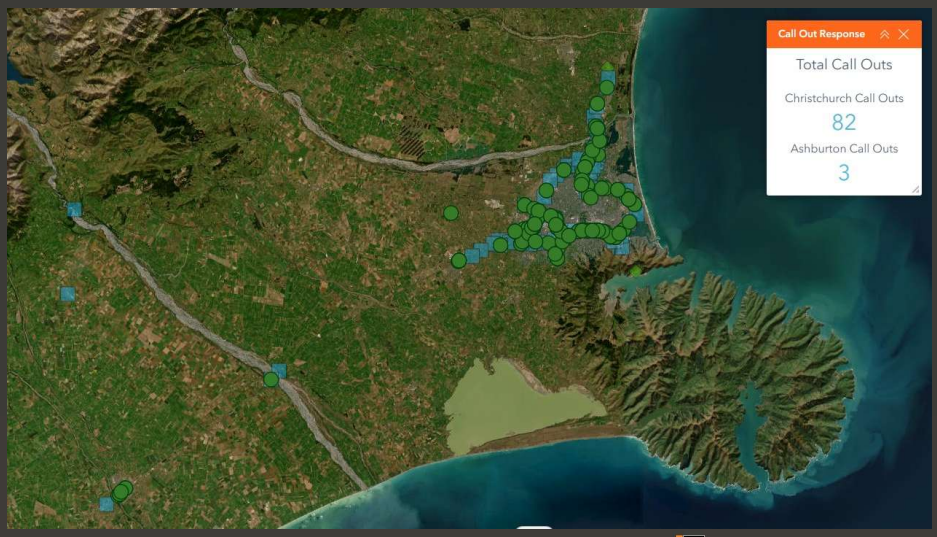


And some more for the regional councils – CCC and TDC



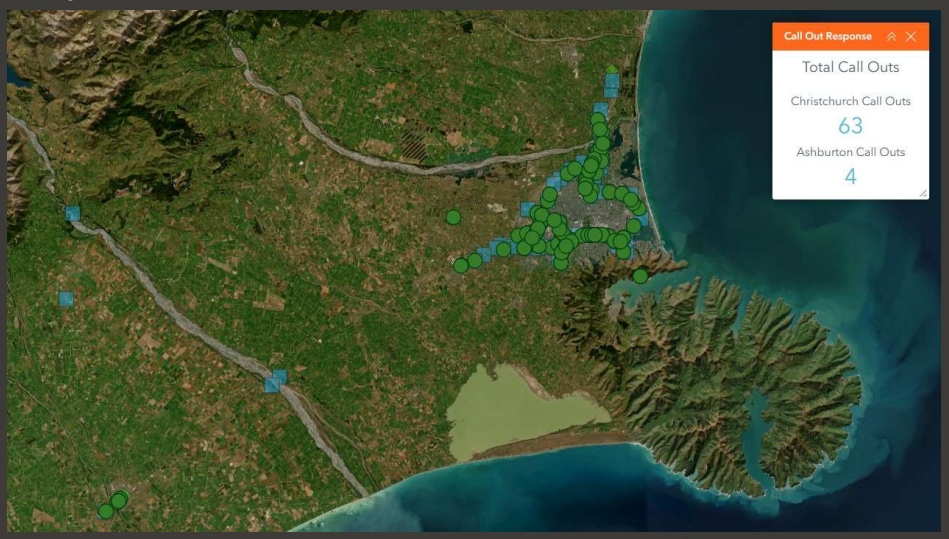
I look after the admin and coordinating for our Maintenance contract with NZTA - Taking a look at what the last year of the NZTA Maintenance Contract looks like:

Canterbury ITS and TS Maintenance – 2025 Call Outs

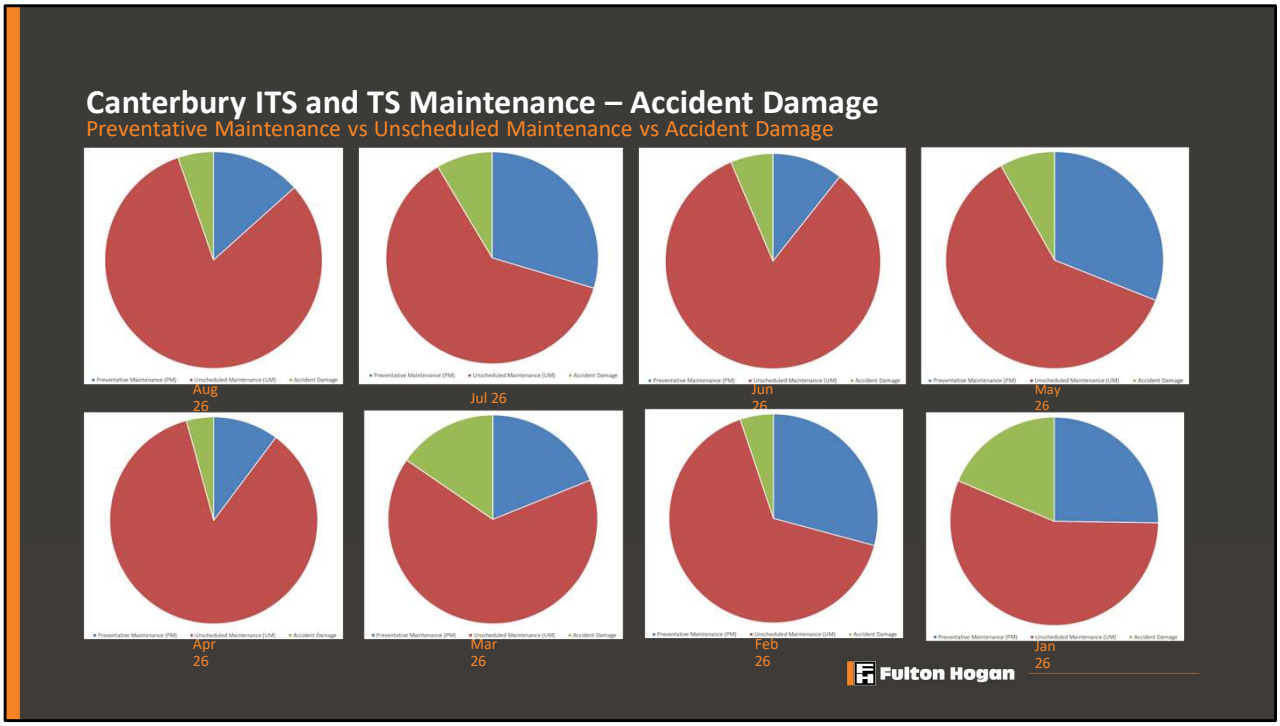


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Canterbury ITS and TS Maintenance – 2026 Call Outs

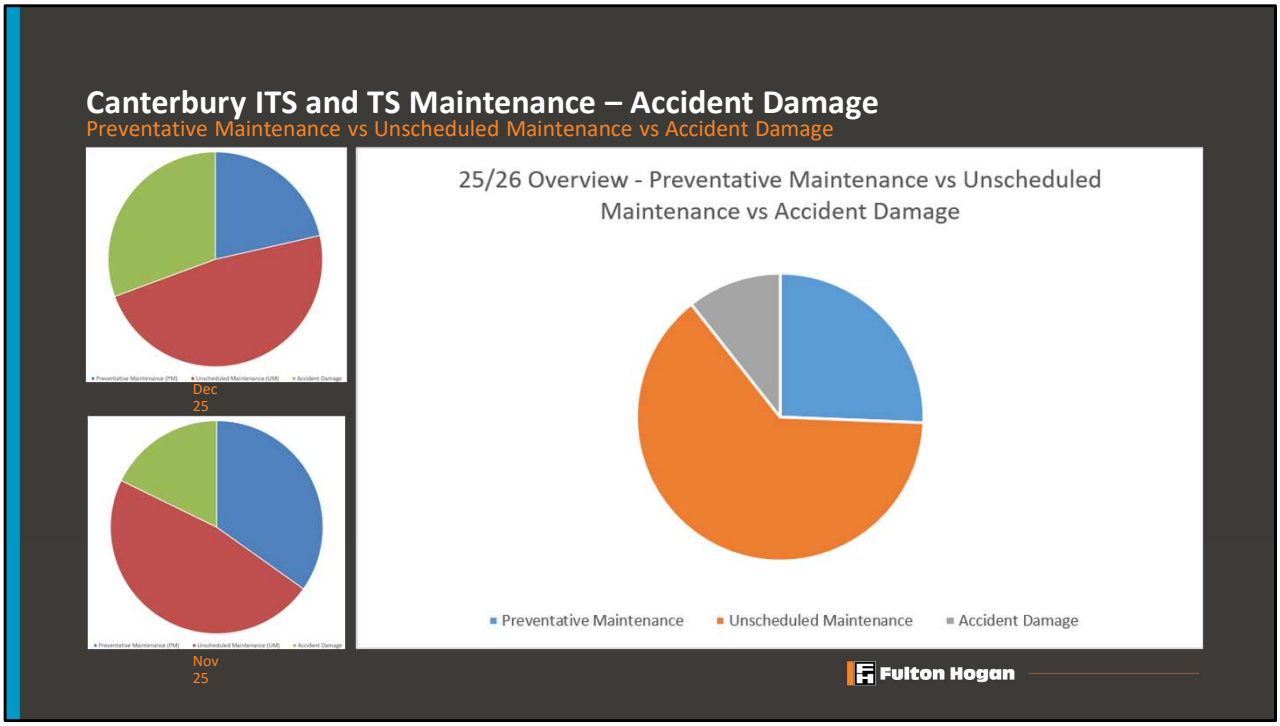


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For a while now, we've been tracking what proportion of our monthly claim to NZTA is attributed to accident damage, represented by the green in each graph

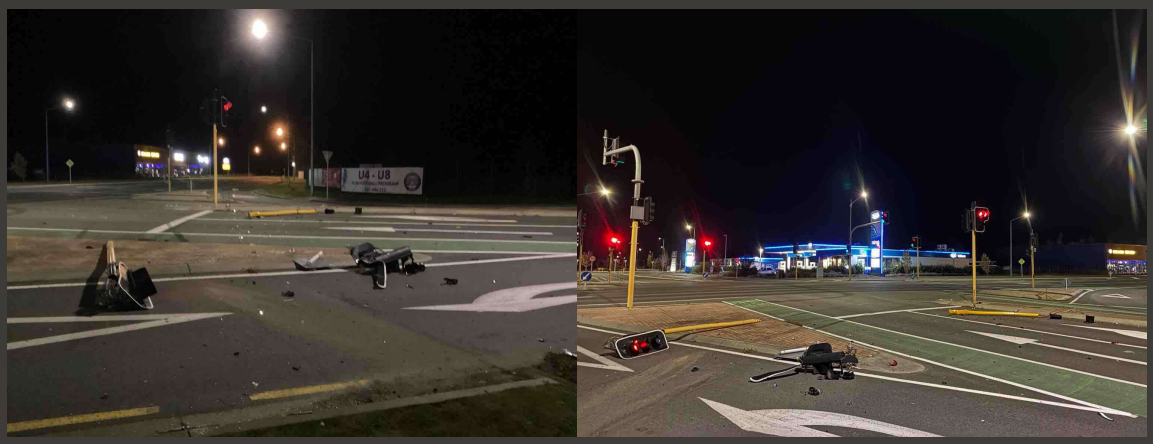
Blue is the proportion of the claim attributed to TS and ITS Preventative Maintenance, and the Red is unscheduled maintenance



You can see between Nov Dec Jan, the accident damage increases – which is what we typically expect for the silly season but it's good to have that graphed out and validates what we all come to expect at that time of year.

Canterbury Car vs. Pole – Call Out Response

0416 Yaldhurst John McKenzie



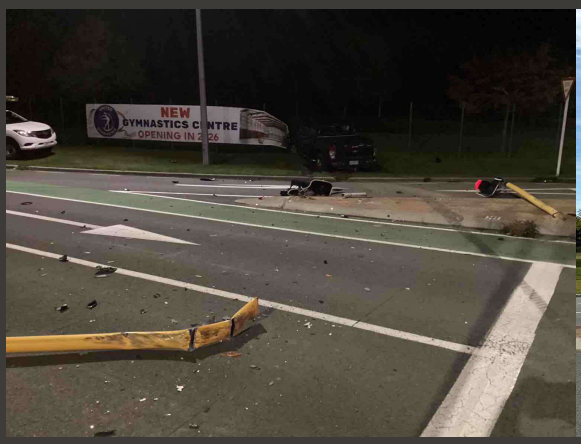
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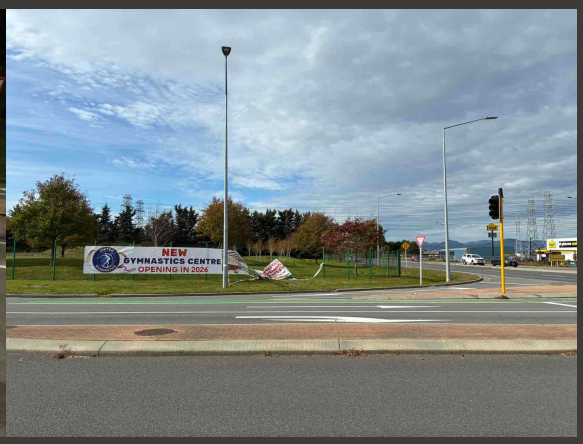
I'd like to wrap up this presentation some of our more memorable call outs in the last year, just to illustrate the severity of some of the damage and what our electricians can face when turning up to site. Thankfully, no one was seriously hurt, they managed to walk away.

This was a good one, this driver had been at a wedding that evening, and was on his way to work early hours the next morning… and managed to take 2 poles out here at this site. Our electrician Paul attended this one, pole 4 was thrown 10m away, every lantern and pole top wrecked.
And somehow the site remained operating

Canterbury Car vs. Pole – Call Out Response

0416 Yaldhurst John McKenzie



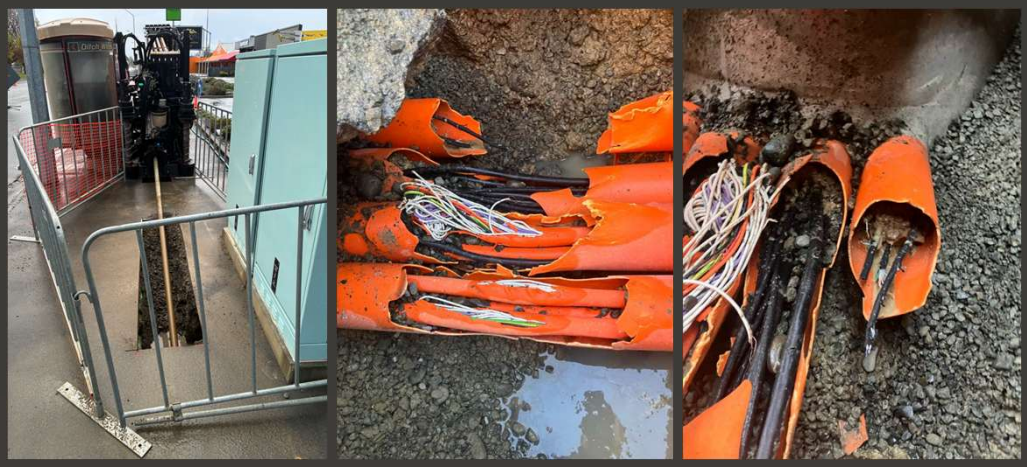


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This is where the drivers vehicle ended up through the fence here
You can see the following morning the damage to the fencing.
Despite the extensive damage – our electrician replaced both poles, lanterns, cabling a pole tops to make the site safe again

Service Strike - Ashburton

0557 Angus Archibald Lagmhor



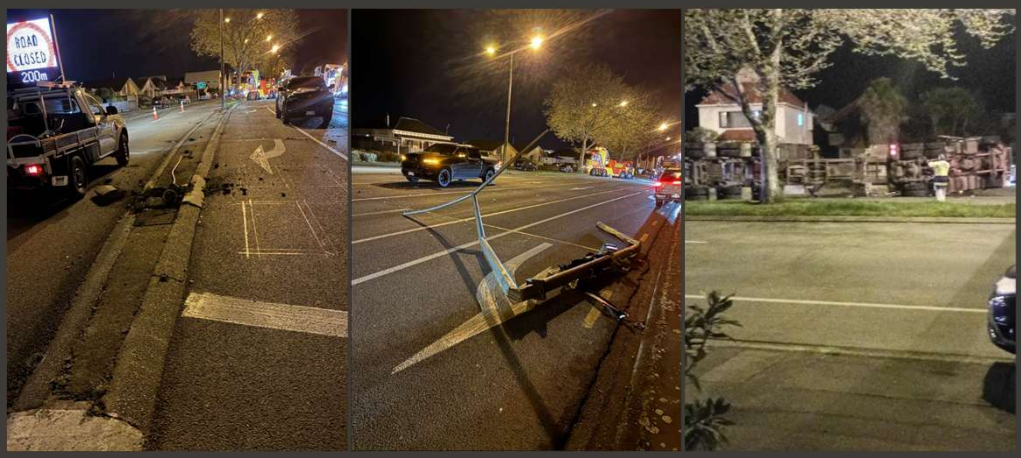
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So this was Tuesday this week, we received a call out for CCTV being down at a site in Ashburton – come to find there was a pretty evident reason for this.

Another contractor has been trenching right in front of the controller cabinet and ripped right through the ducting and cat6 cable at this NZTA site, so we're currently tending to this at the moment

Canterbury Car vs. Pole – Major Incident Response

0107 Antigua Brougham Strickland



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Ngā mihi | Thanks!

Remy Edwards

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