



Te Henga Road

Flood Recovery Status Update

MONTHLY UPDATE ON WORK COMPLETED

Issued by: Programme Controller | Month: November 2024

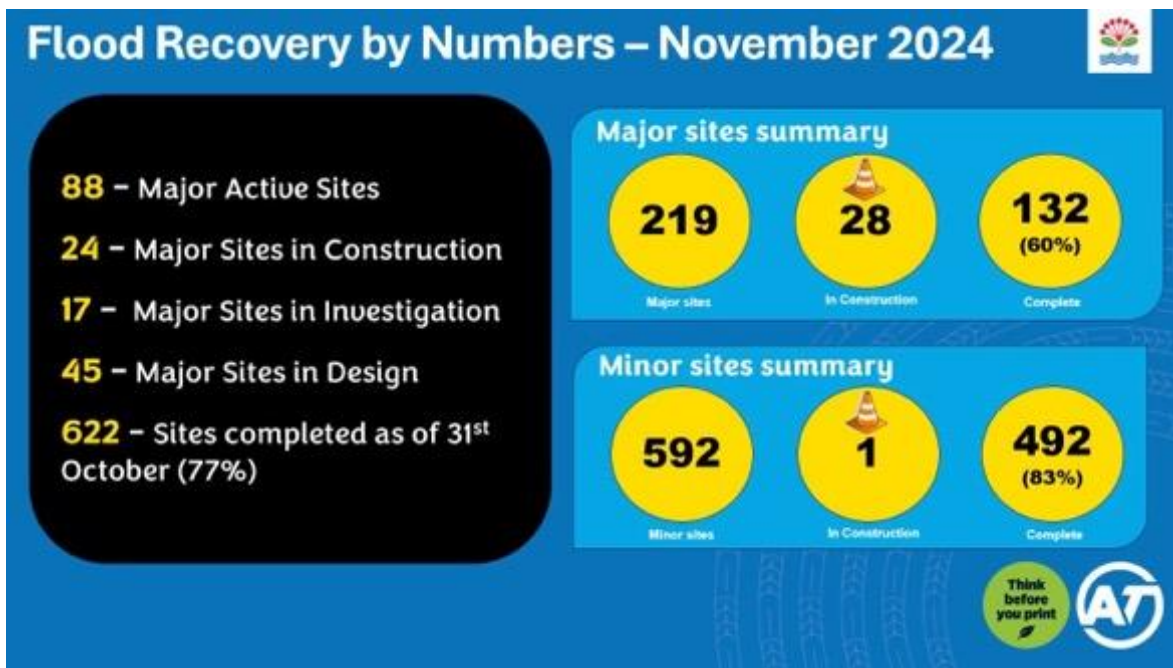
Contents

Overview	3
Project Overall Statistics.....	3
Road Status.....	4
Media and Communications	4
Area: North Urban.....	5
Area: North Rural.....	9
Area: South Rural & urban	13
Area: West	15
Area: Central (Urban)/ Waiheke & Rakino Islands/ Great Barrier Island.....	29
Appendix 1 - Region-Wide Detailed Site Information	31

OVERVIEW

The Recovery Team is focusing on providing information on key priorities as follows:

- ▶ Continue responding to our community's needs, in particular isolated communities.
- ▶ Consolidate updates from contractors across Auckland Region with focus on full road closures updates, damage assessment report and budget.
- ▶ Coordinating geotechnical assessments with key operational functions, prioritizing safety of staff and communities.
- ▶ Provide a map overview and statistics showcasing the response to road closures across all regions.
- ▶ Updating AT websites with current information on the work in progress.



PROJECT OVERALL STATISTICS

By Region						
	North Rural	North Urban	West	South Rural	South Urban	Central/ GBI/ WI & Rakino
Total no. of Major Projects **	73	38	74	21	1	13
Major Active Projects	14	16	44	7	0	5
Major Projects Completed	59	22	28	15	1	8
Projects in Investigation stage	2	2	11	2	0	0
Projects in Design stage	6	8	23	4	0	4
Projects in Construction stage	6	6	10	1	0	1
No. of projects expected to be completed by end of FY24-25	13++	16	44	7	0	5

++ 1 project to be completed in FY25-26 Mill Flat Road Bridge

** : These figures are correct at the time of issuing this report and are subject to change.

ROAD STATUS

Currently there are **11** local roads with full closures in place, **16** roads open to single lane, **1** road open under restrictions, and **5** roads closed – (residents’ access only). This remains fluid and will change depending on the road work requirements.

MEDIA AND COMMUNICATIONS

This month, we:

- Produced another [Flood Recovery Status Update](#) and [Flood Recovery Highlights e-news](#).
- Created more site completion stories for internal and external distribution:
 - [Pohutukawa Glade](#),
 - Awhitu Road/Peninsula (awaiting publication by Auckland Council)
 - [Takatu Road](#) (Tawharanui Peninsula)
 - Twin Wharf (DRAFT) pending video completion.
- Contributed items to Auckland Council’s Flood Recovery newsletter.
- Updated and extended the Flood Recovery power point presentation for the P&P Whole Team Meeting (6 November) showcasing the flood recovery programme work to date.
- Video interviewed North Rural Project Manager & Herald Island Environmental Society spokesperson at Herald Island during onsite planting.
- Produced media tiles to inform the public about the work being carried out on [Hibiscus Coast Highway \(Hatfields Beach\)](#), Pine Valley Road (Albany), Duck Creek Road (Stillwater update), Rahu (Greenhithe) and Smyth Road (Dome Valley/Warkworth).
- Prepared update for Ahuroa Road community (pending final works to be completed).
- Supported AT’s IPWEA Public Works Engineering Excellence Awards submission for the Oakley Creek Slip Remediation Project.
- The West team produced videos to showcase:
 - The work AT is doing to repair slips on Karekare Road and Lone Kauri Road in the Waitakere Ranges - [Work on Karekare Road and Lone Kauri Road in the Waitakere](#)
 - The scale of works happening on Scenic Drive - [Behind the Scenes - Repairing storm damaged roads across Auckland](#)
- AT’s social media team received content to profile:
 - The above videos
 - The latest Flood Recovery statistics
 - AT’s collaboration with KiwiRail at Tahekeroa following the opening of the NAL north of Helensville: [Kiwi Rail collaboration with AT at Tahekeroa site](#)

AREA: NORTH URBAN

WORK COMPLETED IN THE LAST MONTH

- Spur Road, Stillwater
- Twin Wharf Road, Herald Island (2 of 3 parts)

PROJECTS IN CONSTRUCTION PHASE

SITE NAME	ESTIMATED COMPLETION DATE
Duck Creek Road, Stillwater (2 projects)	February 2025
Hibiscus Coast Highway, Hatfields Beach	February 2025
Masterton Road, Rothesay Bay	November 2024
Rahui Road, Greenhithe	November 2024
Twin Wharf Road, Herald Island	December 2024

Upcoming sites include Lonely Track Road (Albany) and John Brian Drive (Site 2), both expected to start in November 2024.

CONSTRUCTION PROGRESS UPDATE

- **DUCK CREEK ROAD:** The first retaining wall on the south side now complete and traffic has switched over to enable work on the southern side walls. Vegetation clearance, moving of overhead lines and survey work is underway to date.



- **HIBISCUS COAST HIGHWAY:** Repair work got underway on 14 October with some minor drainage repairs and new kerb and channel on the eastern side of the road. The team then switched to the western side of the road, with steel barriers installed. The road is operating as a single lane with traffic lights in this location. Over the next two months, the team will construct a 53m long reinforced concrete in-ground palisade wall with capping beam. Footpath works are included.



- **MASTERTON ROAD:** Work got underway on 11 September and has progressed quickly. Work on the retaining wall is now complete and the team will start reinstatement of the roadway early in November.



- **RAHUI ROAD:** Slip repair work on Rahui Road got underway on 14 October 2024. Because of the narrow road area, Rahui Road is closed in the work area. Work to repair the under-slip includes construction of a 45m long timber retaining wall, road pavement repairs and new guardrail.



- **TWIN WHARF ROAD:** Stage 1 and 2 work is now complete Twin Wharf Road in Herald Island. New pavement and replacement planting in conjunction with a local environmental group took place during October. Work on the new staircase will begin over the next few months.



- **SPUR ROAD:** Work also got underway at the start of September to repair the slip / slump along Spur Road in Stillwater and was completed on programme at the end of October. A new timber pile retaining wall now supports the road in this location.



ROAD STATUS

CLOSED

- None.

OPEN – SINGLE LANE

- Duck Creek Road, Stillwater
- Wade River Road, Wade Heads
- Hibiscus Coast Highway, Hadfields Beach

OPEN – UNDER RESTRICTION

- None.

CLOSED – RESIDENTS ACCESS ONLY

- Masterton Road, Rothesay Bay (cul-de-sac end)
- Rahui Road, Greenhithe (closed in the middle)

AREA: NORTH RURAL

WORK COMPLETED IN THE LAST MONTH

- Ridge Road, Riverhead (Second of 2 sites)
- Pinchgut Road, Kaukapapa (Site 1 of 4)
- Wishart Road, Helensville (Phase 1 now monitoring)

PROJECTS IN CONSTRUCTION PHASE

SITE NAME	ESTIMATED COMPLETION DATE
Ahuroa Road, Puhoi (7784)	On hold pending details for anchors
Leigh Road, Leigh	December 2024
Pinchgut Road, Kaukapapa (site 2 of 4)	November 2024
Pine Valley Road, Dairy Flat	December 2024
West Road, Kaukapakapa (271)	November 2024

Upcoming sites include Smyth Road, Warkworth (11 November 2024) and Takatu Road, Tawharanui Peninsula (4 November 2024).

CONSTRUCTION PROGRESS UPDATE

- **AHUROA ROAD:** All piles have been constructed at the slip site east of J Tolhopf (Site RP7784). The site team has temporarily disestablished from site while the details for the anchors are addressed. A lane closure with stop/go traffic signals remains in place. Ongoing sealing and drainage works are taking place as part of AT's maintenance programme.
- **LEIGH ROAD:** Slip repair work on Leigh Road started on 7 October 2024. The team created a bench below the road from which to work on the new retaining wall. The team have installed the steel I beams and are now installing lagging and backfilling as they go. Traffic is currently running on a single lane.



- **PINCHGUT ROAD:** Slip repair work near 171 Pinchgut Road started on Monday 23 September and was completed during October. This work involved the construction of a retaining wall and shoulder repair. Slip repair work near 111 Pinchgut Road began on 29 October and is expected to be completed within one month.



- **RIDGE ROAD:** Work started on Ridge Road on 5 August 2024 to construct two retaining walls and repair the road shoulder. Work is now largely complete in this location.



- **PINE VALLEY ROAD:** The three month slip repair work on Pine Valley Road started on 2 September and is progressing very well. The large box culvert is now installed and the team have commenced backfilling the road area. The road is currently closed with detours in place.



- **WEST ROAD:** Work on this site restarted on 26 September 2024, with the retaining wall now constructed, backfilled and chip sealing work complete. Guardrail installation is planned.



- **MILL FLAT ROAD BRIDGE:** AT's construction team have picked up the reins from the design team who have now completed their part. During October, ecologists undertook monitoring for bats, native skinks & lizards as well as native bird nests in the area we will work in. Prior to removal of any trees, they were checked for nests. No bats, skinks, lizards or native bird nests were found. Monitoring for skinks and lizards will be ongoing throughout construction. We are still working with Vector to determine a start date for their work. A preferred contractor for the work is also yet to be confirmed.



- **WISHART ROAD:** Work started on Wednesday 11 September and was completed early October. The work involved the installation of a drainage system to redirect water from the slip area and surrounds. This site will now be actively monitored for an initial period of 3 months. If movement is detected, we will need to undertake further repair work.



ROAD STATUS

CLOSED

- Red Hill, Te Arai

OPEN – SINGLE LANE

- Ahuroa Road, Puhoi
- Leigh Road, Leigh
- Pinchgut Road, Kaukapakapa
- Takatu Road, Tawharanui Peninsula
- West Road, Kaukapakapa

OPEN – UNDER RESTRICTION

- None

CLOSED – RESIDENTS ACCESS ONLY

- Pine Valley Road, Dairy Flat

AREA: SOUTH RURAL & URBAN

WORK COMPLETED IN THE LAST MONTH

- McNicol Road, Clevedon

PROJECTS IN CONSTRUCTION PHASE

SITE NAME	ESTIMATED COMPLETION DATE
Hunua Gorge Road, Hunua	November 2024
Union Road, Mauku	November 2024

Upcoming sites include Te Tero Road, Pollock. This is expected to start in mid-November and will take about 6 weeks to complete. The road will be open for the holiday traffic.

CONSTRUCTION PROGRESS UPDATE

- **HUNUA GORGE ROAD:** Work got underway at the start of October on Hunua Gorge Road. The slip will be repaired using a soil-nail retaining wall with shotcrete. This is expected to be completed by mid-November.



- **MCNICOL ROAD:** Work started early September on two small retaining walls and rock armour protection to repair the slip on this road. Work on this road was completed in early October.



- **UNION ROAD:** Work also got underway at the start of October on Union Road. The team constructed a new gabion retaining wall and a new large pipe to replace the old broken pipe. Work also includes the installation of the sight rail.



ROAD STATUS

CLOSED

- Manukau Heads Road, Manukau Heads

OPEN – SINGLE LANE

- Hunua Gorge Road, Hunua
- East Coast Road, Whakatiwai

OPEN – UNDER RESTRICTION

- None

CLOSED – RESIDENTS ACCESS ONLY

- McNicol Road, Clevedon

AREA: WEST

WORK COMPLETED IN THE LAST MONTH

- Forest Hill Road, Waiaatarua
- Karekare Road, RP0.984
- Scenic Drive, North Swanson
- Takahe Road, Titirangi

CONSTRUCTION PHASE – NEXT 7 MONTHS

SITE NAME	ESTIMATED COMPLETION DATE
Huia Road, 6 Sites	June 2025 (RP12.55 TBC)
Karekare Road, Karekare, 2 Sites – RP0.583 and overslip at RP0.15	December 2024
Kay Road, Swanson	June 2025
Kellys Road, Oratia	December 2024
Konini Road, Titirangi	June 2025
Lone Kauri Road, Piha	February 2025
Mountain Road, Henderson Valley multiple sites (8)	December 2024
Paturoa Road, Titirangi	TBC
73 Piha Road, Stage 2	February 2025
Scenic Drive, 'Elevation' Waiaatarua	TBC
Scenic Drive, Titirangi, 1 site and 1 embankment	December 2024
Scenic Drive, Arataki, 2 sites (RP6.75 and RP6.58)	February 2025
Scenic Drive /Shaw Road	TBC
Simpson Road, Henderson Valley	December
Takahe Rd, Titirangi	October 2024
Tanekaha Road, Titirangi	TBC
Te Henga Road, Waitakere	October 2024
Wairere Road, S bend past Caton	January 2025
West Coast Road, Oratia	February 2025
Whatipu Road, Whatipu	March 2025
Woodlands Park Road	June 2025

CONSTRUCTION PROGRESS UPDATE

- **TE HENGA ROAD:** Work began on Te Henga Road slip between number 60 and 66 Te Henga Road on 19 August 2024. This section of the road is fully closed during works, with access being maintained for residents within the closed area. A retaining wall will be constructed to support the road. We completed the vegetation clearance and the excavation of the site and established the piling platform. Wet weather early in the programme made work at this site challenging, with additional ground water to deal with. This water led to instability in the batter slope, so we had to install a temporary sheet pile wall to protect the site. We have installed the UC piles and are working on the last layers of the GSC Wall. The programme has been extended largely due to the delays caused with the ground water and the batter slope, and we are working towards getting the road open mid to late November 2024.



Slip repairs underway on Te Henga Road, temporary sheet pile wall installed central to the picture.

- **HUIA ROAD, SIX SITES:** There are 6 sites on Huia Road which will begin works in the coming months pending completion of Scenic Drive, Titirangi, and completion of all the design work. Following is a brief update for each of these 6 sites.
- **HUIA ROAD (RPO.916) OUTSIDE 81 HUIA ROAD** The design is completed, and construction works will commence once Scenic Drive, Titirangi is open to traffic. We expect this work to start in early January 2025.



- **HUIA ROAD (RP4.072), 370 HUIA ROAD** Design work is underway on this repair. This repair includes a piled retaining wall.



Slip located near 370 Huia Road, this is past the roundabout at Minnehaha/Woodlands Park Intersection, and prior to Victory Road.

- **HUIA ROAD (RP6.8), 634 HUIA ROAD** We are working on finalizing the design for this site, and plan to start construction in the second quarter of 2025.



Slip located near 634 Huia Road

- **HUIA ROAD RP 11.347, 100M PAST CORNWALLIS ROAD** The design has been completed and is being reviewed. Construction is programmed to start in early 2025 for this site.



Slip located approx. 100m past Cornwallis Road intersection.

- **HUIA ROAD (RP12.55), PAST KAITARAKIHI ROAD** We are working through the design options and making further investigation into the storm water line that runs through this site. Investigation works have identified some significant issues with drainage and ground conditions so the construction date for this site is currently being reviewed.



Site RP12.55, currently there are retaining walls on each side of the road, large upstream catchment and existing stream.

- **HUIA ROAD RP13.70, NEAR 1105 HUIA ROAD, HUIA** We have recently completed some investigation drilling which is used to develop design options. The Options Report has now been completed with the preferred option confirmed, this is now under review.



Slip located near 1105 Huia Road

- **KELLYS ROAD, ORATIA:** The repair on this site began on 2 October 2024. We expect works to be complete by the middle of December. Vector was on site first to isolate the powerlines above this slip to make the site safe for excavation and construction. We have installed a temporary retaining wall to support the machinery and site and have started the construction of the permanent wall. This repair includes drainage works, and pavement repair. Due to the narrow nature of the road, and the nature of the works, the road will be fully closed at this location during the works.





Slip site on Kellys Road Oratia, works underway in October 2024.

- **KAREKARE ROAD AND LONE KAURI ROAD, KAREKARE:** On the 19 of August moved back to Karekare Road where we will be working on two under slips and reviewing overslips until December 2024. Following Karekare Road completion, Lone Kauri Road will then be closed again in January 2025 to complete one more site (L4). Karekare Road is fully closed during works, all traffic must go via Lone Kauri Road. When there is access available to residents after work hours each day on Karekare Road, the contractor can let the community know through their community WhatsApp group.
- **KAREKARE ROAD (RPO.582): 582 METERS FROM PIHA ROAD: (K5):** Works started in September on this site on Karekare Road and have progressed in October with drainage and working on the installation of the rediblock wall, which is anchored into place. This site is on track for completion in December 2024.



Slip site RPO.582 Karekare Road, installation of the rediblock wall underway in October

- **KAREKARE ROAD (RPo.98o), (98oM FROM PIHA ROAD) (K4):** Works have now been completed with final asphalt surfacing, drainage, line marking, and guardrail installation now completed.



Site completed on Karekare Road, Karekare

- **KONINI ROAD, TITIRANGI:** The final design is being finalized for this site. Construction is programmed to start in January 2025 once Scenic Drive is open at the Titirangi end. Konini Road currently provides a detour route for Scenic Drive closure.



Slip site on Konini Road, Titirangi

- **MOUNTAIN ROAD:** Work on Mountain Road is continuing to progress well, with roadworks underway. This includes soil nailing, and shotcreting and work is expected to continue until end of 2024. We have completed 3 sites and are currently working on the next 7 sites concurrently. Work on Mountain Road is restricted by the narrow width of the road. Logistics involved with transporting equipment can restrict how many repair activities can be carried out at the same time. We have identified some additional ground issues at one of the sites which is currently under review and whilst it is intended that works at this site are complete prior to Christmas there is a risk that some reinstatement works will extend into the new year.
- **147 MOUNTAIN ROAD:** Most of the retaining works are now complete at this site. All drilling work is completed, and soil nails are installed as well as the mesh on the slope face. The concrete capping beam was poured on the 22nd of October and shotcreting was completed at the end of October. The next crew will move to this site in November for the pavement improvements and drainage upgrades.



Work on 147 Mountain Road – image shows the soil nailing and mesh on the face of the slip before the shotcreting.

- **144 MOUNTAIN ROAD:** Works on the slip face work have been completed along with the pavement upgrades and drainage works. The final asphalt will be completed in conjunction with other sites.



Work at 144 Mountain Road – images show the work underway during October.

- **94 MOUNTAIN ROAD:** All drilling work is completed, and soil nails installed, and mesh is currently being installed. No fines concrete was poured on 23 October. The slope preparation and shotcreting was completed at the end of the month. In November the next crew will be onsite to complete the pavement repairs and drainage work.



Work at 94 Mountain Road – images show the slope works which include soil nailing, grouting and mesh, before the shotcrete was applied.

- **PATUROA ROAD, TITIRANGI:** Design plans are underway with the contractor to provide the final plans for AT to review. This site is one of the most challenging locations, the road and the bank and the previous retaining wall have all slipped. An existing timber pole retaining wall adjacent to the large slip is also failing and needs to be repaired to make it safe for machinery to access the large slip to complete the repair. This second wall is in the design option review stage.



- **SCENIC DRIVE, NORTH SWANSON:** Repairs have been completed on the carriageway and the drainage on this section of the road were completed in October. This included swale construction, footpath construction, drainage and pavement repair. There has also been long term monitoring of the bore holes at this site to monitor any further movement, and this location has been very stable.



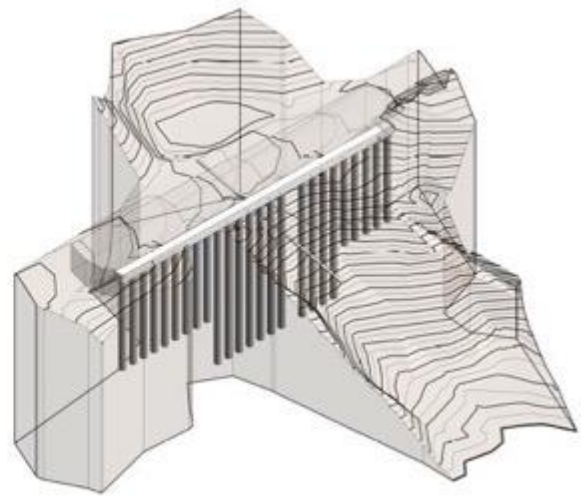
Works on Scenic Drive, North Swanson

- **SCENIC DRIVE (RP 6.73), BETWEEN ARATAKI AND WEST COAST ROAD:** Construction commenced on 21 October 2024. Works began with vegetation clearing and earthworks. The installation of a temporary retaining wall prior to permanent works installation. This temporary retaining wall will support the machinery and stabilize this section while the machinery is on site to build the permanent retaining wall.



Site from above prior to clearing and enabling works. Excavation works underway.

- **SCENIC DRIVE (RP 6.58), BETWEEN ARATAKI AND WEST COAST ROAD:** The design for this repair is concrete piled tied back wall. We are programmed to start construction in November. This repair will require full road closures, with access only to residents, from the West Coast Road side of the closure.



Site ready to start works in early November. The 3D model of the repair shows the slip path and the repair design, which retains the road and pins it back.

- **SCENIC DRIVE, TITIRANGI (RPo.85)** We started work in this section of road on 27 February 2024. There have been three major underslips to repair in this section, two are completed and the third - RPo.85 is underway. Additional to this we have had some over slips occur and some – rocks falling from above, so we are currently working to complete stabilization and repairs to the embankment.

In October on the third underslip RPo.85, we have installed the remaining 1/3 of the piles and have been installing the panels and the anchors. We have begun the backfill. The drainage works are ongoing.





RP0.85 Scenic Drive Titirangi (Piling completed – back filing and drainage underway)

We had earlier completed Rock scaling on the embankment above the road to remove any loose rocks, and hydroseeding of parts of the embankment. The seeding has started to flourish. In October we completed the design for the repair to the embankment overslip at RPo.85, we engaged with the property owners and installed a temporary wall to protect staff working opposite. We have begun the permanent repairs which are programmed to be completed by the end of December, weather dependent. The completion date of this work is late December 2024. The road and the pedestrian access will remain closed until then.



Scenic Drive Titirangi – Images show the embankment after the seeding, and then again after the seeding has grown.

- **SIMPSON ROAD, HENDERSON VALLEY:** There is a slip outside 163 Simpson Road. It extends approximately 107m, with 77m of significantly affected carriageway. The retaining wall is along the edge of the road, on the downslope side. This will include some repair works to the existing drainage and lagging. Works to repair the slip are scheduled to start on 11 November. There will be a full road closure in place.



Slip on Simpson Road, outside 163 Simpson Road.

- **TAKAHE ROAD, TITIRANGI:** Works to repair the slip on Takahe Road began on Monday 17 June. The road was fully closed during the works around number 32. The repair included a block retaining wall and drainage improvements, pavement repairs, and planting. Works were completed in October, with only a few minor snags to tidy up in early November. Community members contacted the contractor and AT passing on their thanks for the work and for the positive attitudes of the crew on site every day.



The block wall, and the road open, along with a before photo of the slip.

- **WAIRERE ROAD: 2 SLIPS AT 349 WAIRERE ROAD:** Works started 14 October and have progressed well with over 80 soil anchors now installed. The team are now focusing on installing the remaining anchors after which they will be preparing for mesh and shotcrete. With the road under full road closure communication with the local neighbourhood and public has been important. We have had the road open at set times throughout the day with the road fully closed outside of these times, this all is working fine with positive communication daily. Going into November we anticipate having the road open one-lane at most times with full closure to move equipment or to apply shotcrete.
- The information provided to the community is available here: [wairere-road-repair-frequently-asked-questions.pdf \(at.govt.nz\)](#)



Wairere Road slip site 349 Wairere Road

- **WEST COAST ROAD, ORATIA** Work is programmed to start on West Coast Road in late November 2024. We anticipate we will be able to maintain two-lanes through parts of the programme, pending TMP approval, and at times this may be reduced to one-lane to enable safe work environment. There will be a retaining wall built, and drainage improvements to both sides of the road.



West Coast Road, Oratia slip site, located between Parker Road and Carter Road.

- **WOODLANDS PARK ROAD, WAIMA:** We are in the final stages of the design work for this repair. As this road is currently a part of the detour route for the works on Scenic Drive, the repair work will be scheduled once Scenic Drive, Titirangi is completed. We expect to start this repair in January 2025. We plan to engage with the community in Waima/Woodlands Park in the last quarter of 2024 around the works in preparation for the start of works. This section of the road is in the stream path/bed. It is ideal that these works begin at the driest time of the year.



Woodlands Park Road Slip Site

ROAD STATUS

CLOSED

- Kay Road, Waitakere
- Paturoa Road 17, Titirangi
- Scenic Drive, Titirangi, Woodlands Park Road to Titirangi
- Scenic Drive, Waiatarua, West Coast Road to Arataki Visitors Centre
- Kohu Road, Titirangi, Western End
- Te Henga Road, Bethells, near #60
- Karekare Road, Karekare
- Simpson Road, Henderson Valley (from November)
- Karekare Road, Piha
- Kellys Road, Oratia

OPEN – SINGLE LANE

- Huia Road, Titirangi
- Huia Road, Piha
- Huia Road 634, Titirangi
- Konini Road 157, Titirangi
- Tanekaha Road 28, Titirangi
- Tasman View Road, Te Henga
- Taunton Road 45, Blockhouse
- Woodlands Park Road, Waima

OPEN – UNDER RESTRICTION

- Rayner Road, Piha

CLOSED – OPEN TO RESIDENTS ONLY

- Mountain Road, Henderson Valley
- Scenic Dr, Waiatarua Scenic Drive West Coast Road to Arataki.

AREA: CENTRAL (URBAN)/ WAIHEKE & RAKINO ISLANDS/ GREAT BARRIER ISLAND

WORK COMPLETED IN THE LAST MONTH

- Hekerua Road, Waiheke Island
- South Pacific Road, Rakino Island
- Jane York Place, Rakino Island

PROJECTS IN CONSTRUCTION PHASE

SITE NAME	ESTIMATED COMPLETION DATE
Bassett Road, Remuera	December 2024

CONSTRUCTION PROGRESS UPDATE

- **BASSETT ROAD, REMUERA:** Slip Repair work on Bassett Road got underway on 28 October 2024. To date vegetation clearance works have been undertaken. Concrete piles and rock wall as the repair methodology here.



- **HEKERUA ROAD, WAIHEKE ISLAND:** On Hekerua Road, work got underway in early October and was completed by the end of the month. The team installed 9m long steel piles to create the retaining wall to stabilise the slip in this location. New safety fencing and drainage has also been installed.



- **JANE YORK PLACE, RAKINO ISLAND:** New subsoil drainage, concrete dish channel drain and stabilising planting was completed on Jane York Place during October.



- **PURIRI BAY ROAD, AOTEA GREAT BARRIER ISLAND:** Total of 9 slips had been identified. Repairs have been completed on 5 sites. The remaining 4 sites (RP1091, RP1774, RP2477 & RP2685) had been completed in Oct 2024.
- **SOUTH PACIFIC ROAD, RAKINO ISLAND:** During the last week of October, South Pacific Road was repaired with a and a new rock buttress wall installed to protect from further erosion by the sea in this location.



ROAD STATUS

CLOSED

- None

OPEN – SINGLE LANE – STOP/GO

- Bassett Road, Remuera

OPEN – UNDER RESTRICTION

- None

CLOSED – RESIDENTS ACCESS ONLY

- None

APPENDIX 1 - REGION-WIDE DETAILED SITE INFORMATION

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
Central Urban	Hillsborough	Waikowhai Road	200	Under slip	Open - Single Lane	Complete
GBI	Shoal Bay	Shoal Bay Road	2292	Under slip	Open - Single Lane	Design
GBI	Tryphena	Cape Barrier Road	1522	Under slip	Open - Normal	Complete
GBI	Awana #1	Aotea Road	8274	Under slip	Open - Normal	Construction
GBI	Awana #2	Aotea Road	8638	Under slip	Open - Single Lane	Design
GBI	Awana #3	Aotea Road	19498	Under slip	Open - Single Lane	Design
GBI	Whangaparapara	Whangaparapara Road	2922	Under slip	Open - Single Lane	Complete
Waiheke Island	Cowes Bay	203-231 Orapiu Road	1995	Under slip	Open - Single Lane	Complete
Waiheke Island	Little Oneroa	40 Hekerua Road	175	Under slip	Open - Single Lane	Complete
Waiheke Island	Ostend	Wharf Road / Waitai Road	460	Under slip	Open - Normal	Complete
Rakino	Rakino Island	South Pacific Road	0	Under slip	Open - Single Lane	Complete
Rakino	Rakino Island	Jane York Place	100	Under slip	Open - Single Lane	Complete
Waiheke Island	Oneroa	The Esplanade Seawall (opp 46 Moa Ave)	170	Scouring	Open - Normal	Design
North Rural	Coatesville	Mill Flat Road Bridge	0	Bridge/structure Failure	Closed	Construction
North Rural	Puhoi	Ahuroa Rd	8710	Under slip	Closed	Complete
North Rural	Puhoi	Ahuroa Rd (Hill)-Realignment	8200-8600	Under slip	Closed	Complete
North Rural	Kaukapakapa	West Rd (Kaukapakapa)	271	Under slip	Open - Normal	Complete
North Rural	Puhoi	Ahuroa Rd (Hill)-Realignment	8330	Under slip	Closed	Complete
North Rural	Puhoi	Ahuroa Rd (Included In The July/Aug23)	7540	Under slip	Open - Normal	Complete
North Rural	Kaukapakapa	Pinchgut Road	1673	Under slip	Open - Normal	Complete
North Rural	Helensville	Wishart Road	961	Under slip	Open - Normal	Design
North Rural	Kaukapakapa	Pinchgut Road	1015	Under slip	Open - Normal	Construction
North Rural	Te Arai	Red Hill Road	1155	Under slip	Open - Normal	Design
North Rural	Leigh	Ashton Road	1350	Under slip	Open - Normal	Complete
North Rural	Coatesville	Potter Road	1259	Under slip	Open - Normal	Scoping
North Rural	Kaukapakapa	Pinchgut Road	1339	Under slip	Open - Normal	Design
North Rural	Kumeu	Coatesville-Riverhead Highway	1178	Under slip	Open - Normal	Complete
North Rural	Leigh	Goat Island Rd	133	Under slip	Open - Single Lane	Complete
North Rural	Wainui	Haruru Road	9536	Under slip	Open - Normal	Complete
North Rural	Wainui	Haruru Road	2000	Under slip	Open - Normal	Complete

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
North Rural	Riverhead	Ridge Road	1672	Under slip	Open - Normal	Complete
North Rural	Kaukapakapa	Pinchgut Road	1673	Under slip	Open - Normal	Design
North Rural	Dairy Flat	Pine Valley Rd	1790	Under slip	Closed	Construction
North Rural	Makarau	Jordan Rd (Makarau)	1453	Under slip	Open - Normal	Complete
North Rural	Waitoki	Kahikatea Flat Rd	1877	Under slip	Open - Normal	Complete
North Rural	Puhoi	Krippner Rd	2400	Under slip	Open - Normal	Complete
North Rural	Puhoi	Krippner Rd	1821	Under slip	Open - Normal	Complete
North Rural	Dome Forest	Smyth Rd	2301	Under slip	Open - Single Lane	Design
North Rural	Puhoi	Krippner Rd	1550	Under slip	Open - Single Lane	Complete
North Rural	Puhoi	Krippner Rd	2550	Under slip	Open - Normal	Complete
North Rural	Puhoi	Krippner Rd	2351	Under slip	Open - Normal	Complete
North Rural	Puhoi	Krippner Rd	2214	Under slip	Open - Normal	Complete
North Rural	Puhoi	Krippner Rd	2656	Under slip	Open - Normal	Complete
North Rural	Puhoi	Krippner Rd (This Is Not A Duplicate!)	2584	Under slip	Open - Normal	Complete
North Rural	Snells Beach	Mahurangi East Rd	1450	Under slip	Open - Normal	Complete
North Rural	Makarau	Makarau Rd	4740	Under slip	Open - Normal	Complete
North Rural	Makarau	Makarau Rd	4740	Under slip		Complete
North Rural	Matakana	Matakana Valley Rd	7330-7257	Under slip	Open - Normal	Complete
North Rural	Matakana	Matakana Valley Rd	5990	Under slip	Open - Normal	Complete
North Rural	Matakana	Matakana Valley Rd	7500	Under slip	Open - Normal	Complete
North Rural	Matakana	Matakana Valley Rd	7730	Under slip	Open - Normal	Complete
North Rural	Leigh	Leigh Rd	5577	Under slip	Open - Normal	Construction
North Rural	Matakana	Matakana Valley Rd	7037	Under slip	Open - Single Lane	Complete
North Rural	Matakana	Matakana Valley Rd (Apart of RP7037)	7091 (7037)	Under slip	Open - Single Lane	Complete
North Rural	Matakana	Matakana Valley Rd(Not A Duplicate)	5875	Under slip	Open - Normal	Complete
North Rural	Matakana	Matakana Valley Road	5900	Under slip	Open - Normal	Complete
North Rural	Matakana	Takatu Rd	6109	Under slip	Open - Single Lane	Construction
North Rural	Puhoi	Weranui Road	6280	Under slip	Open - Normal	Complete
North Rural	Dairy Flat	Dairy Flat Highway/6634	6634	Under slip	Open - Normal	Investigation & Design
North Rural	Matakana	Matakana Valley Road	4900	Drain-Scour Damages		Complete
North Rural	Warkworth	Moir Hill Rd	2317	Under slip	Open - Normal	Complete
North Rural	Warkworth	Moir Hill Rd	111	Under slip	Open - Normal	Complete

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
North Rural	Warkworth	Moir Hill Rd	198	Under slip	Open - Normal	Complete
North Rural	Warkworth	Moir Hill Rd	279	Under slip	Open - Normal	Complete
North Rural	Warkworth	Moir Hill Rd	1531	Under slip	Open - Normal	Complete
North Rural	Puhoi	Ahuroa Rd/7784	7784	Under slip	Open - Single Lane	Construction
North Rural	Matakana	Takatu Rd	7852	Under slip	Open - Normal	Design
North Rural	Warkworth	Moir Hill Rd	162	Under slip	Open - Normal	Complete
North Rural	Leigh	Pakiri Rd	4218	Under slip	Open - Normal	Complete
North Rural	Leigh	Pakiri Rd	12395	Under slip	Open - Normal	Complete
North Rural	Leigh	Pakiri Rd	12768	Under slip	Open - Normal	Complete
North Rural	South Head	South Head Road	23717	Under slip	Open - Normal	Complete
North Rural	Tahekeroa	Tahekeroa Rd	3610	Under slip	Open - Normal	Complete
North Rural	Tahekeroa	Tahekeroa Rd (Kiwi Rail)	0	Under slip	Open - Normal	Complete
North Rural	Matakana	Takatu Rd	8290-8381	Under slip	Open - Normal	Complete
North Rural	Matakana	Takatu Rd	8281	Under slip	Open - Normal	Complete
North Rural	Matakana	Takatu Rd	8300	Under slip	Open - Normal	Complete
North Rural	Matakana	Takatu Rd	8350	Under slip	Open - Normal	Complete
North Rural	Kaipara Flats	Tauhoa Rd	9516	Under slip	Open - Single Lane	Complete
North Rural	Wainui	Wainui Rd (Albert Su-July/Aug23 Storm)	7960	Under slip	Open - Normal	Complete
North Rural	Wainui	Wainui Road	7960-8115	Under slip	Open - Normal	Complete
North Rural	Dome Valley	Waiwhiu Rd	498	Under slip	Open - Normal	Complete
North Rural	Puhoi	Weranui Road	7312	Under slip	Open - Normal	Complete
North Rural	Woodcocks	West Coast Rd (Woodcocks)	10429 (11900)	Under slip	Open - Normal	Complete
North Rural	Woodcocks	West Coast Rd (Woodcocks)	13570	Under slip	Open - Normal	Complete
North Rural	Warkworth	Moir Hill	150	Under slip	Open - Normal	Complete
North Urban	Birkenhead	Hinemoa Tce	11	Under slip	Open - Normal	Complete
North Urban	Redvale	John Brian Dr	30	Under slip	Open - Under Restrictions	Complete
North Urban	Albany	Bush Rd	33	Under slip	Open - Normal	Investigation
North Urban	Herald Island	Twin Wharf Rd	149	Under slip	Open - Single Lane	Construction
North Urban	Lucas Creek	Paremoremo Rd Site #1	166	Under slip	Open - Normal	Complete
North Urban	Bayswater	Sir Peter Blake Pde	180	Under slip	Open - Normal	Complete
North Urban	Northcote	Raymond Tce	230	Under slip	Open - Normal	Design
North Urban	Redvale	John Brian Dr	240	Under slip	Open - Under Restrictions	Design
North Urban	Birkenhead	Inkster St	267	Under slip	Open - Normal	Complete

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
North Urban	Greenhithe	Rahui Rd	304	Under slip	Open - Normal	Construction
North Urban	Stanmore Bay	Riverhaven Drive	358	Under slip	Open - Normal	Complete
North Urban	Albany Heights	Albany Heights Road	545	Under slip	Open - Normal	Design
North Urban	Albany	Gills Road	591	Under slip	Open - Normal	Complete
North Urban	Rothesay Bay	Masterton Road	663	Under slip	Open - Under Restrictions	Construction
North Urban	Greenhithe	Tauhinu Rd	723	Under slip	Open - Normal	Complete
North Urban	Stanmore Bay	Scott Road	920	Under slip	Open - Normal	Complete
North Urban	Glenfield	Kaipatiki Rd (Rp1077)	1077	Under slip	Open - Normal	Complete
North Urban	Riverhead	Ridge Road	1160	Under slip	Open - Normal	Complete
North Urban	Riverhead	Ridge Road	1188	Under slip	Open - Normal	Complete
North Urban	Riverhead	Ridge Road	1234	Under slip	Open - Normal	Complete
North Urban	Whangaparoa	Wade River Rd	1615	Under slip	Open - Single Lane	Design
North Urban	Albany	Lonely Track Road	1930	Under slip	Open - Normal	Design
North Urban	Stillwater	Spur Rd	2465	Under slip	Open - Under Restrictions	Complete
North Urban	Stillwater	Duck Creek Road Emergency Works	2503	Under slip	Open - Normal	Construction
North Urban	Paremoremo	Paremoremo Rd Site #2	2794	Under slip	Open - Normal	Complete
North Urban	Torbay	Glenvar Road	3030	Under Slip	Open - Normal	Complete
North Urban	Paremoremo	Paremoremo Rd Site #3	3275	Under slip	Open - Normal	Complete
North Urban	Whenuapai	Brigham Creek Road	3655	Under slip	Open - Normal	Investigation
North Urban	Albany Heights	Dairy Flat Highway #2	4252	Under slip	Open - Normal	Complete
North Urban	Stillwater	Duck Creek Road	4400	Under slip	Open - Normal	Complete
North Urban	Albany Heights	Dairy Flat Highway #1	4784	Under slip	Open - Normal	Complete
North Urban	Hadfields Beach	Hibiscus Coast Hwy	6155	Under slip	Open - Normal	Construction
North Urban	Redvale	East Coast Road	9916	Under slip	Open - Normal	Design
North Urban	Birkenhead	Huka Road	80	Under slip	Open - Normal	Design
North Urban	Stillwater	Duck Creek Rd Improvements	2630	Under slip	Open - Normal	Construction
North Urban	Whangaparoa	Hobbs Rd	127	Under slip	Open - Normal	Complete
North Urban	Birkdale	Lanigan Street	260	Under slip	Open - Normal	Design
North Urban	Paremoremo	Paremoremo Road (site4)	3773	Under slip	Open - Normal	Complete
South Rural	Karaka	Linwood Rd 1	9100	Under slip	Open - Normal	Complete
South Rural	Karaka	Linwood Rd 2	8750	Under slip	Open - Normal	Complete
South Rural	Manukau Heads	Manukau Heads Rd	6960	Under slip	Closed	Design
South Rural	Clevedon	Monument Rd	6000	Under slip	Open - Normal	Complete

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
South Rural	Clevedon	Monument Rd	6400	Under slip	Open - Normal	Complete
South Rural	Clevedon	Otau Mountain Rd	3300	Under slip	Open - Normal	Complete
South Rural	Awhitu Rural	Awhitu Rd	23454	Over Slip	Open - Normal	Complete
South Rural	Wiauku	Kohekohe Kariotahi	3500	Under slip	Open - Normal	Design
South Rural	Pukekohe	East St (Pukekohe)	285	Over Slip	Open - Normal	Complete
South Rural	Awhitu Rural	1966 Awhitu Road	23750	Under slip	Open - Normal	Complete
South Rural	Mauku	Union Road	2346	Under slip	Open - Normal	Complete
South Rural	Awhitu	Kemp Road	3455	Under slip	Open - Normal	Design
South Rural	Awhitu	Te Toro Road	740	Under slip	Open - Normal	Design
South Rural	Karaka	Urquhart Road	295	Under slip	Open - Normal	Investigation
South Rural	Manukau Heads	Grahams Beach Road	780	Under slip	Open - Normal	Complete
South Rural	Hunua	Hunua Gorge Road	2098	Under slip	Open - Single Lane	Construction
South Rural	Patumahoe	Kingseat Road	2680	Under slip	Open - Normal	Complete
South Rural	Hunua	Skyhigh Road	2575	Under slip	Open - Normal	Complete
South Rural	Clevedon	McNicoll Road	0	Under slip	Open - Residents Only	Complete
South Rural	Cockle Bay	Marine Parade	392	Under slip	Open - Normal	Complete
South Rural	Whakatiwai	East Coast Road		Over Slip	Open - Single Lane	Investigation
South Urban	Mellons Bay	Marine Pde (Cockle Bay)	392	Under slip	Open - Normal	Complete
West	Titirangi	40 Otitori Bay Road	270	Under slip	Open - Normal	Complete
West	Waitakere	Bethells Road	3790	Under slip	Open - Normal	Complete
West	Waitakere	Bethells Road	2799	Under slip	Open - Normal	Complete
West	Waitakere	Bethells Road	9315	Under slip	Open - Normal	Complete
West	Waitakere	Bethells Road	11036	Under slip	Open - Normal	Complete
West	Waitakere	Caton Road 16	91	Under slip	Open - Normal	Complete
West	Piha	Glenesk Road	61	Under slip	Open - Normal	Complete
West	Piha	Glenesk Road	178	Under slip	Open - Normal	Complete
West	Piha	Huia Road	12500	Under slip	Open - Single Lane	Investigation
West	Titirangi	Huia Road	4072	Under slip	Open - Single Lane - Traffic Lights	Design
West	Piha	Huia Road	11347	Under slip	Open - Single Lane	Design
West	Titirangi	Huia Road	13700	Under slip	Open - Normal	Investigation
West	Titirangi	Huia Road 81-85	916	Under Slip	Open - Single Lane	Design
West	Piha	Karekare Road	555	Under slip	Closed - Residents Only	Construction
West	Piha	Karekare Road	1260	Under slip	Closed	Complete

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
West	Piha	Karekare Road	1143	Under slip	Closed	Complete
West	Piha	Karekare Road	941	Under slip	Closed	Complete
West	Piha	Karekare Road	150	Under slip	Closed	Complete
West	Waitakere	Kay Road	1090	Under slip	Closed	Design
West	Glen Eden or Oratia	Kellys Road	240	Under slip	Open - Single Lane	Construction
West	Titirangi	Konini Road 157	1501	Under slip	Footpath closed	Design
West	Laingholm	Laingholm Drive	0	Bridge/structure Failure	Open - Normal	Investigation
West	Piha	Lone Kauri Road	2085	Under slip	Closed - Residents Only	Complete
West	Piha	Lone Kauri Road	600	Under slip	Closed - Residents Only	Complete
West	Piha	Lone Kauri Road	2500	Under slip	Closed - Residents Only	Design
West	Piha	Lone Kauri Road	5170	Under slip	Closed - Residents Only	Complete
West	Henderson Valley	Mountain Road	655 (No. 177)	Under slip	Closed - Residents Only	Complete
West	Henderson Valley	Mountain Road	712	Under slip	Closed - Residents Only	Complete
West	Henderson Valley	Mountain Road	899	Under slip	Closed - Residents Only	Design
West	Henderson Valley	Mountain Road	1318	Under slip	Closed - Residents Only	Design
West	Henderson Valley	Mountain Road	636	Under slip	Closed - Residents Only	Complete
West	Henderson Valley	Mountain Road	1387	Under slip	Closed - Residents Only	Design
West	Henderson Valley	Mountain Road	1468	Under slip	Closed - Residents Only	Design
West	Henderson Valley	Mountain Road	2775	Under slip	Closed - Residents Only	Construction
West	Henderson Valley	Mountain Road	1664	Under slip	Closed - Residents Only	Construction
West	Henderson Valley	Mountain Road	1833	Under slip	Closed - Residents Only	Construction
West	Titirangi	Ngaio Road	25	Over Slip	Open - Normal	Investigation
West	Henderson Valley	Opanuku Road	1280	Under slip	Open - Normal	Investigation
West	Henderson Valley	Opanuku Road	1550	Under slip	Open - Normal	Investigation
West	Titirangi	Paturoa Rd 15	0.224	Over slip	Closed	On Hold
West	Titirangi	Paturoa Road 15	262	Failing retaining Wall	Closed	Design
West	Titirangi	Paturoa Road 17	260	Under slip	Closed	Design
West	Titirangi	Paturoa Road 15	230	Overslip	Closed	Design on hold
West	Piha	Piha Road	12755	Under slip	Open	Design
West	Piha	Rayner Road	560	Under Slip and Over Slip	Open - Under Restrictions	Investigation
West	Massey	Red Hills Road	2150	Under slip	Open - Normal	Design
West	Waiaatarua	Scenic Dr	6580	Under slip	Open - Single Lane/ Residents only	Design

Area	Suburb	Road Name	Fault RP	Failure type	Road status	Stage
West	Waiatarua	Scenic Dr	6735	Under slip	Open - Single Lane/ Residents only	Construction
West	Swanson	Scenic Dr	12500	Road Surface	Open - Normal	Complete
West	Titirangi	Scenic Dr	900	Under slip	Closed	Complete
West	Titirangi	Scenic Dr	750	Under slip	Closed	Complete
West	Waiatarua	Scenic Dr	9500	Under slip	Open - Normal	Design
West	Waiatarua	Scenic Dr	8250	Under slip	Closed	Complete
West	Waiatarua	Scenic Dr	850	Under slip	Closed	Construction
West	Waiatarua	Scenic Drive North	1658	Under slip	Open - Normal	Complete
West	Oratia	Shaw Rd	3720	Road Surface	Open - Normal	Design
West	Henderson Valley	Simpson Road	1850	Bridge/structure Failure	Open - Normal	Design
West	Waitakere	Stoney Creek Drive	775	Over Slip	Open - Normal	Investigation
West	Waitakere	Stoney Creek Drive	850	Under slip	Open - Normal	Investigation
West	Titirangi	Takahe Rd	261	Under slip	Closed	Construction
West	Titirangi	Tanekaha Road 28	530	Under slip	Priority giveway	Investigation
West	Te Henga	Tasman View Road	65	Under slip	Open - Normal	Investigation
West	Waitakere	Te Henga Road	1600	Under slip	Closed	Construction
West	Titirangi	Titirangi Beach Rd	375	Under slip	Open - Normal	Complete
West	Titirangi	Titirangi Beach Rd	735	Under slip	Open - Normal	Complete
West	Titirangi	Titirangi Road	4246 (418)	Under slip	Open - Normal	Complete
West	Te Kauwhata	Vineyard Road	615	Under slip	Open - Normal	Complete
West	Waitakere	Wairere Road	3427	Under slip	Open - Single Lane	Construction
West	Oratia	West Coast Road	5267	Under slip	Open - Normal	Design
West	Titirangi	Woodlands Park Road	1511	Under slip	Traffic light Priority give- away	Design
West	Massey	Yelash Road	538	Under slip	Open - Normal	Complete
West	Blockhouse Bay	Taunton Road 45	119	Under slip	Open - Single Lane	Design
West	Huia	Whatipu Road	3762	Under slip	Open - Single Lane	Design
West	Titirangi	Huia Road 634	680	Open - Normal	Open - Single Lane	Design