*Note: All graphs made in Excel from SQL results. Dates reformatted in Excel for graphs.*

**PART 1: Basic Contract and Project Information**

**QUERY 1: Non-financial Summary of each Project**

**Business need**: An overview of each project the organisation has run: key people, dates, detailed descriptions.

Table 1: Non-financial Summary of Each Project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Project Number** | **Project Name** | **Start Date** | **Completion Date** | **Current Project Manager** | **Project Description** |
| Proj\_001 | Titirangi Major Safety Upgrade | 1/04/2021 | 31/03/2023 | Beatrice Baker | Scoping reports, major roading upgrades, construction and management of heritage assets on main road - Memorial drive which includes two sub-roads. |
| Proj\_002 | Titirangi safety upgrade remediation | 20/10/2022 | 31/03/2023 | John Smith | Scoping and remedy of issues with proj\_001 for areas not covered by contract make-good terms |
| Proj\_003 | Residential Resealing | 15/07/2021 | 31/12/2022 | Joanna Plumber | Planned residential resealing in sleepy Street |
| Proj\_003 | Residential Resealing | 15/07/2021 | 31/12/2022 | Joanna Plumber | Sinkhole remediation following inspection on Bustling Road |
| Proj\_005 | Audit and Forensics | 18/06/2022 | 31/03/2023 | David Bosman | Budget Placeholder: Ongoing audit and forensic costs related to irregularities with projects managed by EMP\_00586c during 2021/22, Proj\_003 and Proj\_004 and contracts investigation. |
| Proj\_006 | Storm Response Urgent | 21/09/2022 | 11/02/2023 | John Smith | Urgent response to major storm in September 2021 -- earthworks, road rebuild and resealing, all physical roads in area |
| Proj\_007 | Cyclone Response Urgent | 16/02/2023 | 31/03/2023 | Sandra Ananda | Urgent response to cyclone in February 2023 -- earthworks, road rebuild and resealing, all physical roads in area |

**QUERY 2: Summary of projects for each road**

**Business need**: A snapshot to link projects to all of the roads that are covered by the project.

**SQL Skills:** [JOIN for Many-to-Many]

Table 2: List of Roads and Projects connected to each road

| **Road ID** | **Project Number** | **Project Name** | **Start Date** | **End Date** |
| --- | --- | --- | --- | --- |
| RD\_001 | Proj\_001 | Titirangi Major Safety Upgrade | 1/04/2021 | 31/03/2023 |
| RD\_001 | Proj\_002 | Titirangi safety upgrade remediation | 20/10/2022 | 31/03/2023 |
| RD\_001 | Proj\_006 | Storm Response Urgent | 21/09/2022 | 11/02/2023 |
| RD\_001 | Proj\_007 | Cyclone Response Urgent | 16/02/2023 | 31/03/2023 |
| RD\_002 | Proj\_001 | Titirangi Major Safety Upgrade | 1/04/2021 | 31/03/2023 |
| RD\_002 | Proj\_002 | Titirangi safety upgrade remediation | 20/10/2022 | 31/03/2023 |
| RD\_003 | Proj\_001 | Titirangi Major Safety Upgrade | 1/04/2021 | 31/03/2023 |
| RD\_003 | Proj\_002 | Titirangi safety upgrade remediation | 20/10/2022 | 31/03/2023 |
| RD\_004 | Proj\_003 | Residential Resealing | 15/07/2021 | 31/12/2022 |
| RD\_004 | Proj\_006 | Storm Response Urgent | 21/09/2022 | 11/02/2023 |
| RD\_004 | Proj\_007 | Cyclone Response Urgent | 16/02/2023 | 31/03/2023 |
| RD\_005 | Proj\_003 | Residential Resealing | 15/07/2021 | 31/12/2022 |
| RD\_005 | Proj\_004 | Planned sinkhole Remediation | 1/06/2022 | 15/10/2022 |
| RD\_005 | Proj\_006 | Storm Response Urgent | 21/09/2022 | 11/02/2023 |
| RD\_005 | Proj\_007 | Cyclone Response Urgent | 16/02/2023 | 31/03/2023 |

**QUERY 3: Non-financial Summary of each Contract**

**Business need:** An overview of each contract, - the project it relates to, key people, dates, contractor information and detailed description.

Table 3: Non-financial Summary of each Contract

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Contract Number** | **Contract Name** | **Council Contract Manager** | **Start Date** | **End Date** | **Name of Contractor** | **Contractor's contact person** | **Contract Description** |
| Con\_001 | Titirangi Safe scoping Report | Carlos Carpenter | 5/04/2021 | 30/11/2021 | Asparagus Analysis Ltd | Gus LeChat | Report to Council: Identify major safety works required in Titirangi Area |
| Con\_002 | Titirangi Major safety upgrade | Carlos Carpenter | 1/12/2021 | 28/10/2022 | Mungo Jerry Roading Ltd | John Smith Senior | Construction: Complete major safety works based on recommendations from Con\_001 report |
| Con\_003 | Titirangi Memorial Management during upgrade | Sandra Ananda | 11/06/2021 | 28/02/2023 | Deutoronomy Heritage Ltd | Rumpole TZaar | Memorials works and Report: Supporting Con\_002, a specialist heritage firm will manage and secure the heritage value of assets that may be impacted by Con\_002 |
| Con\_004 | Titirangi Upgrade remediation | Elise Davis | 1/11/2022 | 25/03/2023 | Jellicle Roads Inc | Jellicle Katz | Construction: Complete remediation of flaws identified after completion of Con\_002 |
| Con\_005 | Planned Residential Resealing | Carlos Carpenter | 15/07/2021 | 9/11/2022 | Modern Roading Specialists Ltd | Jean Moderne | Planned resealing on Sleepy Street RD\_004 and Busling Road RD\_005 |
| Con\_006 | Rimutaka Sinkhole Remediation | Carlos Carpenter | 2/06/2022 | 31/10/2022 | Jellicle Roads Inc | Jellicle Katz | Repair Problem Sinkhole identified by on-site inspection in response to resident phone call |
| Con\_007 | Forensic analysis of spend | David Bosman | 18/06/2022 | 31/03/2023 | Felid Forensic Accountants Inc | Johan Hunter | Forensic analysis of payments made and investigate in relation to Proj\_003, Proj\_004 |
| Con\_008 | Storm Response urgent earthworks and road repairs | Sandra Ananda | 22/09/2022 | 11/10/2022 | McCavity Excavations Ltd | Gato McCavity | Emergency earthworks and roading rebuild following storm |
| Con\_009 | Storm Response urgent earthworks and road repairs | Carlos Carpenter | 23/09/2022 | 9/02/2023 | Modern Roading Specialists Ltd | Jean Moderne | Emergency earthworks and roading rebuild following storm |
| Con\_010 | Cyclone Response urgent works | Elise Davis | 16/02/2023 | 31/03/2023 | New Diggers Inc | Bill Williamson | Emergency earthworks and roading rebuild following cyclone |
| Con\_011 | Cyclone Response urgent works | Sandra Ananda | 17/02/2023 | 7/03/2023 | Modern Roading Specialists Ltd | Jean Moderne | Emergency earthworks and roading rebuild following cyclone |

**PART 2 Financial Summaries**

**QUERY 4: Financial summary for each contract**

**Business need:** Show how contract spend performed against budget, and quantify over/ under spend

**SQL Skills:** [Sub-Query] [Aggregate] [FORMAT and CAST]

**Results:** The largest Contract was the major safety upgrade (Con\_002). While it was only 5% over its budget of $5million, there was also a further $225 thousand dollars spent on remediation works related to the same works. Residential resealing (Con\_005) also was completed substantially over-budget.

Table 4: Financial Summary for each Contract

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contract Number** | **Contract Name** | **Contract Budget** | **Actual Cost** | **Amount Over/(Under) Budget** | **Percent Over/ Under(-) Budget** |
| Con\_001 | Titirangi Safe scoping Report | $35,000 | $42,500 | $7,500 | 21.43% |
| Con\_002 | Titirangi Major safety upgrade | $5,000,000 | $5,239,000 | $239,000 | 4.78% |
| Con\_003 | Titirangi Memorial Management during upgrade | $35,000 | $35,400 | $400 | 1.14% |
| Con\_004 | Titirangi Upgrade remediation | $150,000 | $224,500 | $74,500 | 49.67% |
| Con\_005 | Planned Residential Resealing | $600,000 | $726,700 | $126,700 | 21.12% |
| Con\_006 | Rimutaka Sinkhole Remediation | $72,000 | $73,500 | $1,500 | 2.08% |
| Con\_007 | Forensic analysis of spend | $10,000 | $8,900 | -$1,100 | -11% |
| Con\_008 | Storm Response urgent earthworks and road repairs | $60,000 | $59,500 | -$500 | -0.83% |
| Con\_009 | Storm Response urgent earthworks and road repairs | $400,000 | $329,200 | -$70,800 | -17.70% |
| Con\_010 | Cyclone Response urgent works | $200,000 | $210,500 | $10,500 | 5.25% |
| Con\_011 | Cyclone Response urgent works | $50,000 | $53,500 | $3,500 | 7% |

**QUERY 5: Financial summary for each Project**

**Business Need:** Show the budgets and actual spend for each project, and quantify over/ under spend.

**SQL Skills:** [CTE] [Sub-Query] [Aggregate] [FORMAT and CAST]

**Results:** The largest project by Far is Proj\_001 with a budget nine times larger than the next largest. Proj\_001 had a large overspend in dollar terms of $246,900 (4.87% over budget). This was compounded by the $74,500 overspend on Proj\_002 which was remediation works needed after Proj\_001. Proj\_003 also had $126,7000 in overspend – more than 20% of the initial budget.

Better news was that Proj\_006, which was urgent works following the 2022 storm, came in under budget by $71,300.

The Pie Chart shows the absolute values of all over/ under budget amounts (a total variance of $536,000) It is broken down by project, showing that the largest parts of the total variance were overspend on Proj\_001 and Proj\_003 and underspend on Proj\_006

Table 5: Financial Summary for Each Project

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Project Number** | **Project Name** | **Project Budget** | **Actual Cost** | **Amount Over/(Under) Budget** | **Percent Over/Under(-) Budget** |
| Proj\_001 | Titirangi Major Safety Upgrade | $5,070,000 | $5,316,900 | $246,900.00 | 4.87% |
| Proj\_002 | Titirangi safety upgrade remediation | $150,000 | $224,500 | $74,500.00 | 49.67% |
| Proj\_003 | Residential Resealing | $600,000 | $726,700 | $126,700.00 | 21.12% |
| Proj\_004 | Planned sinkhole Remediation | $72,000 | $73,500 | $1,500.00 | 2.08% |
| Proj\_005 | Audit and Forensics | $10,000 | $8,900 | -$1,100.00 | -11% |
| Proj\_006 | Storm Response Urgent | $460,000 | $388,700 | -$71,300.00 | -15.50% |
| Proj\_007 | Cyclone Response Urgent | $250,000 | $264,000 | $14,000.00 | 5.60% |

**QUERY 6: Overview of payments by month for whole spend**

**Business Need:** To see an overview of how much money is being spent, month-by-month

**SQL Skills:** [DATEPART] [Aggregate]

**Results:** 79 payments were made between May 2021 and April 2023, and average of 3.4 payments per month. Average Monthly payments were $304,487.

The largest monthly total for payments was $787,500 for November 2022, being 7 payments. Between January 2022 and March 2022, Payments total of around $600,000 were made each month, but with only 3 payments per month.

Table 6: Numbers of Payments and Amounts of Payments to contractors each month

| **Month** | **Year** | **Number of Payments** | **Total Monthly Payments** |
| --- | --- | --- | --- |
| 5 | 2021 | 1 | $3,000 |
| 7 | 2021 | 2 | $10,000 |
| 8 | 2021 | 3 | $42,400 |
| 9 | 2021 | 2 | $201,400 |
| 10 | 2021 | 3 | $217,900 |
| 11 | 2021 | 2 | $36,400 |
| 12 | 2021 | 3 | $43,400 |
| 1 | 2022 | 3 | $558,400 |
| 2 | 2022 | 3 | $684,400 |
| 3 | 2022 | 3 | $663,400 |
| 4 | 2022 | 3 | $574,400 |
| 5 | 2022 | 3 | $292,400 |
| 6 | 2022 | 4 | $622,400 |
| 7 | 2022 | 4 | $539,500 |
| 8 | 2022 | 5 | $141,200 |
| 9 | 2022 | 4 | $501,000 |
| 10 | 2022 | 6 | $412,000 |
| 11 | 2022 | 7 | $785,700 |
| 12 | 2022 | 4 | $83,200 |
| 1 | 2023 | 3 | $101,500 |
| 2 | 2023 | 3 | $86,000 |
| 3 | 2023 | 4 | $213,500 |
| 4 | 2023 | 4 | $189,700 |

**Query 7: Total payments made on those contracts that had a count of more than 10 payments**

Business Need: A snapshot of the contracts that had a large number of payments.

**SQL Skills:** [HAVING]

Table 7: Contracts with more than 10 payments: amount and average.

|  |  |  |  |
| --- | --- | --- | --- |
| Contracts with more than 10 payments | Number of Payments | Total Payments | Average Payment |
| Con\_002 | 11 | $5,239,000 | $476,273 |
| Con\_003 | 21 | $35,400 | $1,686 |
| Con\_005 | 16 | $726,700 | $45,419 |

**Query 8: Finding the largest/ smallest 5 payments**

**Business Need:** A snapshot of the biggest and smallest payments

**SQL Skills**: [ORDER BY] [TOP / LIMIT] [ASC / DESC]

**Results:** Because the results in table 8.1 all relate to one very large Contract Con\_002 (major Titirangi safety upgrade), Table 8.3 has been added to show the 5 largest payments NOT connected to that contract.

Table 8.1: The largest 5 payments

|  |  |  |  |
| --- | --- | --- | --- |
| **Payment\_No** | **Payment Amount** | **Contract\_No** | **Payment\_Date** |
| Pay\_0020 | $648,000 | Con\_002 | 20/02/2022 |
| Pay\_0025 | $627,000 | Con\_002 | 22/03/2022 |
| Pay\_0061 | $582,000 | Con\_002 | 28/11/2022 |
| Pay\_0032 | $577,000 | Con\_002 | 20/06/2022 |
| Pay\_0026 | $538,000 | Con\_002 | 20/04/2022 |

Table 8.2: The smallest 5 payments

|  |  |  |  |
| --- | --- | --- | --- |
| **Payment\_No** | **Payment Amount** | **Contract\_No** | **Payment\_Date** |
| Pay\_0039 | $1,000 | Con\_005 | 28/07/2022 |
| Pay\_0041 | $1,000 | Con\_007 | 20/08/2022 |
| Pay\_0044 | $1,200 | Con\_005 | 26/08/2022 |
| Pay\_0004 | $1,400 | Con\_003 | 20/08/2021 |
| Pay\_0007 | $1,400 | Con\_003 | 20/09/2021 |

Table 8.3: The largest 5 payments NOT from Con\_002

|  |  |  |  |
| --- | --- | --- | --- |
| **Payment\_No** | **Payment Amount** | **Contract\_No** | **Payment\_Date** |
| Pay\_0008 | $200,000 | Con\_005 | 20/09/2021 |
| Pay\_0010 | $200,000 | Con\_005 | 20/10/2021 |
| Pay\_0075 | $136,500 | Con\_010 | 20/03/2023 |
| Pay\_0056 | $95,000 | Con\_009 | 20/11/2022 |
| Pay\_0068 | $78,000 | Con\_009 | 20/01/2023 |

**QUERY 9: Find all payments related to the employee who is under suspicion**

The original project at Uni asked for past contract roles - the requirements were clunky.

For this project I chose to leave in just 1 set of past roles, for a specific purpose.

**Business Need**: There is an employee (EMP\_00586c, Sylvester Chandler) who has allegedly made wrongful payments. There is a credible case so that employee has been removed from duties. An audit firm has been engaged to investigate these claims. The auditors have asked for a list of payments during the time when the employee was either project manager or contract manager.

**SQL Skills:** [CTE – filtering by CTEs]

**Results**: Two Payments stand out: Pay\_0008 and Pay\_0009 because aside from a very large, unrelated contract (Con\_002), those two payments were far-and-away the largest payments made (see Table 8.3 above).

Table 9: Payments made during periods when contracts or projects were managed by Sylvester Chandler

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Payment\_No** | **Contract\_No** | **Contract\_Name** | **Contractor\_Name** | **Payment\_Date** | **Amount** |
| Pay\_0005 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/08/2021 | $35,000 |
| Pay\_0008 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/09/2021 | $200,000 |
| Pay\_0010 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/10/2021 | $200,000 |
| Pay\_0013 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/11/2021 | $35,000 |
| Pay\_0015 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/12/2021 | $30,000 |
| Pay\_0019 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/01/2022 | $30,000 |
| Pay\_0022 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/02/2022 | $35,000 |
| Pay\_0024 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/03/2022 | $35,000 |
| Pay\_0028 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/04/2022 | $35,000 |
| Pay\_0030 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/05/2022 | $35,000 |
| Pay\_0034 | Con\_005 | Planned Residential Resealing | Modern Roading Specialists Ltd | 20/06/2022 | $35,000 |
| Pay\_0035 | Con\_006 | Rimutaka Sinkhole Remediation | Jellicle Roads Inc | 21/06/2022 | $9,000 |

**PART 3: Formatted Text and recursive lists**

**Query 10: Formatted contractor list - emergency contacts in last 2 months**

**Business Need:** For staff to be able to rapidly print a list that shows emergency contacts for contractors who may be on-site at each road. This includes two groups: Contractors for current contracts (after start and before end dates) and also contractors who have had an invoice paid in the last 2 months (to catch contractors who are likely to revisit a site).

**SQL Skills:** [CTE] [Filter by Date] [DATEADD] [GETDATE]

Note: because database data is historic, the query is run as at 24 April 2023. The query also runs with GETDATE.

**Results:**

Table 10: Emergency contact list for current Contractors and recently finished Contractors

|  |  |  |  |
| --- | --- | --- | --- |
| **Road Name** | **Contractor** | **Contact Name** | **Contact Details** |
| Bustling Road | Modern Roading Specialists Ltd | Jean Moderne | 023498821, Jean.Mod@modern.co.nz |
| Bustling Road | New Diggers Inc | Bill Williamson | 027786544, Billtheboss@newdiggers.co.bnz |
| Memorial Drive | Deutoronomy Heritage Ltd | Rumpole TZaar | 02258720502, Fax: 09 5673928 |
| Memorial Drive | Jellicle Roads Inc | Jellicle Katz | 02139284924, JCKatz@jellicleball.com |
| Memorial Drive | Modern Roading Specialists Ltd | Jean Moderne | 023498821, Jean.Mod@modern.co.nz |
| Memorial Drive | New Diggers Inc | Bill Williamson | 027786544, Billtheboss@newdiggers.co.bnz |
| Sleepy Street | Modern Roading Specialists Ltd | Jean Moderne | 023498821, Jean.Mod@modern.co.nz |
| Sleepy Street | New Diggers Inc | Bill Williamson | 027786544, Billtheboss@newdiggers.co.bnz |
| WW1 Parade | Deutoronomy Heritage Ltd | Rumpole TZaar | 02258720502, Fax: 09 5673928 |
| WW1 Parade | Jellicle Roads Inc | Jellicle Katz | 02139284924, JCKatz@jellicleball.com |
| WW2 Promenade | Deutoronomy Heritage Ltd | Rumpole TZaar | 02258720502, Fax: 09 5673928 |
| WW2 Promenade | Jellicle Roads Inc | Jellicle Katz | 02139284924, JCKatz@jellicleball.com |

**Query 11: Roads inside roads**

**Business Need:** The road structure for this database allows one road to be nested inside another road: e.g. if a main road has a small section which is a special war memorial in the centre of town.

To identify these, this returns the short list of roads that are physically part of another road.

Table 11: Roads inside Roads

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID inside road** | **Name of inside road** | **Inside Road Category** | **ID outside road** | **Name of outside road** | **Outside Road Category** |
| RD\_002 | WW1 Parade | Ceremonial or memorial features: e.g. a small named memorial section of a main road | RD\_001 | Memorial Drive | Main Road |
| RD\_003 | WW2 Promenade | Ceremonial or memorial features: e.g. a small named memorial section of a main road | RD\_001 | Memorial Drive | Main Road |

**Query 12: formatted text string for road start and end coordinates**

**Business Need:** This is from own my experience working with contractors using GIS data - being able to send out coordinates quickly that will plug straight into Google maps is a common need... believe me!!

**SQL Skills:** [Concatenation]

Table 12: Road Start and End coordinates ready for Google Maps

|  |  |  |  |
| --- | --- | --- | --- |
| Road ID | Road Name | Road Start coordinates | Road End coordinates |
| RD\_001 | Memorial Drive | -36.93833426, 174.6540298 | -36.9339703, 174.5786296 |
| RD\_002 | WW1 Parade | -36.93833426, 174.6540298 | -36.93724234, 174.6448316 |
| RD\_003 | WW2 Promenade | -36.93724234, 174.6448316 | -36.93833426, 174.6540298 |
| RD\_004 | Sleepy Street | -36.93833426, 174.6540298 | -36.93724234, 174.6448316 |
| RD\_005 | Bustling Road | -36.93731097, 174.6446012 | -36.942021, 174.6366035 |

**Query 13: search for employee by name**

**Business Need:** Someone in accounts couldn’t read their own handwriting – they asked for name of an employee whose surname started with the letters ‘ana’.

**SQL Skills:** [LIKE] [text search]

Table 13: Identify staff member whose surname starts with ‘ana’

|  |  |  |
| --- | --- | --- |
| Employee\_ID | Full Name | Reports To |
| EMP\_00326s | Sandra Ananda | Carlos Carpenter |

**Query 14: Formatted employee list including reports to**

**Business Need:** Summary list of employee information

**SQL Skills:** [recursive join] [LEFT JOIN]

Table 14: Employee List

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Employee\_ID** | **Full Name** | **Address** | **Mobile Phone** | **Work Email** | **Reports To** | **Start Date** | **End Date** |
| EMP\_00167t | David Bosman | 136 Laingholm Drive, Laingholm, Auckland | 0213478824 | d.bosman@arc.org.nz | NULL | 23/02/2013 | NULL |
| EMP\_00429c | Carlos Carpenter | 1 The Strand Takapuna | 02204823562 | c.carpenter@arc.org.nz | David Bosman | 1/07/2019 | NULL |
| EMP\_00387x | Joanna Plumber | 24 Close Crescent, St Heliers | 021876762 | j.plumber@arc.org.nz | David Bosman | 7/01/2017 | NULL |
| EMP\_00264b | Beatrice Baker | 18 Smith Street, Avondale, Auckland | 0223458762 | b.baker@arc.org.nz | Joanna Plumber | 17/02/2017 | NULL |
| EMP\_00586c | Sylvester Chandler | Apartment 12, 141 Vincent St, Auckland CBD | 0216547892 | s.chandler@arc.org.nz | Joanna Plumber | 25/10/2016 | NULL |
| EMP\_00138a | John Smith | 121 Woontons Lane, Titirangi, Auckland | 0273456823 | j.smith@arc.org.nz | Joanna Plumber | 2/01/2018 | NULL |
| EMP\_00326s | Sandra Ananda | 264 New North Rd, Eden Terrace | 02034920054 | s.ananda@arc.org.nz | Carlos Carpenter | 26/06/2021 | NULL |
| EMP\_00434p | Elise Davis | 27 Richmond Ave, Northcote | 02177384576 | s.davis@arc.org.nz | Carlos Carpenter | 26/01/2022 | NULL |